Volume 3 \$ ALLEGHENY COUNTY HEALTH DEPARTMENT * * * * '* UNITED STATES STEEL : . CORPORATION, a Delaware corporation, : : Appellant, : Appeal of : Enforcement Order #180601 versus : ALLEGHENY COUNTY HEALTH : DEPARTMENT, Air Quality : : Program, 1.1 Appellee. : * * * * * Verbatim record of hearing held at At Clack Health Center, Building 7, 301 39th Street, Pittsburgh, Pennsylvania, on December 5, 2018 at 9:00 a.m. BEFORE: MAX SLATER, ESQUIRE, Hearing Officer ADELMAN REPORTERS 302 Torrey Pine Drive Mars, Pennsylvania 16046 Phone 724-625-9101; Fax 724-625-9133

1 APPEARANCES:

```
JASON K. WILLIS, JR., ESQUIRE - Assistant Solicitor
2
    Allegheny County Health Department
    Building 7, 301 39th Street
3
    Pittsburgh, PA 15201
 4
       For - Allegheny County Health Department
5
    MARK K. DAUSCH, ESQUIRE
    MICHAEL H. WINEK, ESQUIRE
6
    Babst Calland
7
    Two Gateway Center
    603 Stanwix Street, 6th Floor
    Pittsburgh, PA 15222
8
       For - U.S. Steel Corporation
9
    DAVID W. HACKER, ESQUIRE
10
    U.S. Steel Corporation
    600 Grant Street, Suite 1500
11
    Pittsburgh, PA 15219
12
       For - U.S. Steel Corporation
13
    Also Present: Michael Parker, Esquire
14
15
16
17
18
19
20
21
22
23
24
25
```

1	INDEX TO WITNESSES	
2		
3	Witness:	Page
4	Angela Crowley Direct examination by Mr. Willis	561
5	Cross-examination by Mr. Dausch Redirect examination by Mr. Willis	618 659
6	Recross-examination by Mr. Dausch Redirect examination by Mr. Willis	666 667
7	Recross-examination by Mr. Dausch Redirect examination (cont'd) by Mr. Willis	668 670
8	Brian Harrington	C 7 1
9 10	Direct examination by Mr. Willis Cross-examination by Mr. Dausch Redirect examination by Mr. Willis	697 701
11	Walter Greenewald Direct examination by Mr. Willis	703
12	Cross-examination by Mr. Dausch	716
13	Edward Cherpko Direct examination by Mr. Dausch	719
14 15	Melissa Hallas Direct examination by Mr. Dausch Cross-examination by Mr. Willis	723 726
16	Mark Dvorsky	700
17	Direct examination by Mr. Dausch Cross-examination by Mr. Willis	739
10	Gary Downard Direct examination by Mr. Dausch	741
20	Cross-examination by Mr. Willis	791
21		
22		
23		
24		
25		

1	INDEX TO EXHIBITS		
2	Exhibits:	Offered	Admitted
4	ACHD Exhibits:	550	617
5	Collective exhibit	550	017
6	Exhibit 26 - E-mail & attachment	688	694
7 8	Exhibit 27 - E-mail	694	697
9	(Exhibits were not provided to court	reporte	er)
11			
12			
13			
14			
15			
17			
18			
19			
20 21			
22			
23			
24			
25			

1 A 7. Sum a tor-year secondary, with the there we a secondary secondary secondary, with a secondary secondary, balance development of the backet, build particulate the totage on the recent. 1 1 A 7. Sum a tor-year secondary, with a secondary, build particulate the totage on the recent. 2 1 1 A 7. Sum a tor-year secondary, with a secondary, balance backets. 1 3 1. Subject on the secondary secondary secondary secondary secondary secondary secondary. 4 0. The same, secondary second			561			563
1 1 11 11 11 12 2 <td>1</td> <td>PROCEEDINGS OF DECEMBER 5, 2018</td> <td>001</td> <td>1</td> <td>A. It was a two-year associate, and then there was a</td> <td></td>	1	PROCEEDINGS OF DECEMBER 5, 2018	001	1	A. It was a two-year associate, and then there was a	
1 The isothereday, Journaler Sth, 2016. This is day three 3 was to CME and got — 4 at the hosting, fulled Educes Deel Corporation variants 3 1 5 Alloging Corport [soting Parameter. 4 5 1. If an earty, what is 50%? 6 Soti for the hosting, fulled Educes Deel Corporation variants 5 4. If an earty, what is 50%? 7 Soti for the hosting, fulled Educes Deel Corporation variants 6 1. If an earty, what is 50%? 8 Soti for the hosting, fulled Educes Deel Corporation variants 6 1. If an earty, what is 50%? 9 Soties for the hosting, fulled Educes Deel Corporation variants 6 1. If an earty, what is 50%? 10 Sot, Different Kind of Barner, Hander Deel Corporation variants 1. If an earty, what is 50%? 11 Interpret Marking, Different Kind of Deel Corporation variants 1. If an earty is Marking, Doration is Importions, Doration of the team is Marking and Deel Corporation variants was the state Soties Deel Corporation variants and waters was the barking Deel Corporation variants was state Soties Townshow that it an earty is Marking Deel Corporation variants and the hosting Deel Corporation variants and variants in Deel Corporation variants and the Soties Deel Corporation variants and Deel Corp	2	HEARING OFFICER SLATER: Let's go on the record.		2	practicum attached to that two-year associate, which I	
4 cf. 1% brack, United Status Stand Corporation weres 5 A. Jack Status Stand Corporation weres 5 A. Jack Status Stand Corporation Weres 6 Out for the meaning could counsel plasme 7 Ideality theoremain Status For the meaning counsel functions 9 Health Department. 9 Health Department. 10 Health Department. 11 Health Department. 12 Health Department. 13 Health Department. 14 Health Department. 15 Health Department. 16 Health Department. 17 Health Department. 18 Health Department. 19 Health Department. 10 Health Department. 11 Health Department. 12 Health Department. 13 Health Department. 14 Health Department. 15 Out the department. 16 A. Take an except. Concell. 17 Department. 18 Health Department. 19 Free theory Depare	3	It is Wednesday, December 5th, 2018. This is day three		3	went to CHMR and got	
5 Allegeny Costy Health Department. 5 A. I don't washes what it scally devide from both of the bot	4	of the hearing, United States Steel Corporation versus		4	Q. I'm sorry, what is CHMR?	
6 But for the meaning could coursel please 6 If these of a financial is set to do do fit 7 identify thread.wa? 6 If these of a financial is set to do do fit 9 Bits, HL135 description 7 identify thread.wa? 7 9 Bits, HL135 description 7 identify thread.wa? 7 10 Me, N2011 Bits Bits of do do fit 7 identify thread.wa? 7 11 water and thread th	5	Allegheny County Health Department.		5	A. I don't remember what it actually stands for, but	
1 identify themaleus? 7 research follity bits they stands during runts 8 Me, HLLBP : Jacob Millis for Allaghery County 6 training for a practican for modify multiplication. 10 Me, HLDP: Hard hards for U.S. Steel. 10 a lot of stack impactions, calls impactions, 11 HERDER (MART hards for U.S. Steel. 10 a lot of stack impactions, calls impactions, 12 HERDER (MART hards for U.S. Steel. 10 a lot of stack impactions, calls impactions, 13 astern in. 11 userstack and the modify during the stack. 10 14 Dill potential withmes. 11 0. And what is BURKER? 11 15 court reportar. 15 0. To it as account, the stack and the stack inspections, and the stack and the stack and the stack and the stack inspections. 11 16 A. The stack inspections. 11 <td< td=""><td>6</td><td>Just for the record, could counsel please</td><td></td><td>6</td><td>it was out of Harmarville and it was the old Gulf</td><td></td></td<>	6	Just for the record, could counsel please		6	it was out of Harmarville and it was the old Gulf	
9 MM, WILLIS, Lawn WILLis for Allegbory County 9 9 9 Beath Department. 9 position, and that minicide MOXON, true importance, with importance, and i	7	identify themselves?		7	research facility that they started doing onsite	
9 Health Department. 9 position, and the smalled MORERS, text all supportions, 10 10 10 He. RUGH: Acta Date for U.S. Steel. 10 1	8	MR. WILLIS: Jason Willis for Allegheny County		8	training for a practicum for an environmental technician	
10 MA, DAUGELL Mark Boach for U.S. Steal. 10 a lot of stack impactions, oratic impactions, oratic impactions, 11 Impact Corrects, SUPERA WILL any different who is a second in the oratic instance, since instanc	9	Health Department.		9	position, and that entailed HAZWOPER, tank inspections,	
11 imputing CITCLE SLATER: Will any witness who is 11 imputing CITCLE SLATER: Will any witness who is 12 testifying today, please raise their right hand to be 13 C. And with is MoRCHERS 13 own in . 13 C. And with is MORCHERS 14 (All potential witnesses were subjected by the 14 A. T day't manuface what it stands for. 15 Could reporter.) 15 Q. Is is an account 16 WORTHOW CONTERS HATCHER IN, willing, you may chill 16 A. T day't manuface what it stands for. 17 your first willness. 17 Q. Own, you got of COUCE, what did you do 17 your first Willing. The Stand COULE, what did you do 16 18 MRLACS: I would call Angels Coulday, please. 19 A. I dad not. 1 got got output we born? 20 previously score, testified as follow: 20 Q. when kind of environmetal work. 21 O, Nee, Coulday, can you store your full mane for the 23 Q. Week ching of environmetal work. 22 A. A spina Coulday. 25 at bas of seationmetal work. 11 23 Q. Week work of your output work work you dating? 4 A. Satter angeling. 1	10	MR. DAUSCH: Mark Dausch for U.S. Steel.		10	a lot of stack inspections, onsite inspections,	
12 testifying today, plasse raise their right hand to be 12 There were all different kind of parameters. 13 acom in. 13 Q. Ind stat is M3000897 14 WAI preshiel witnesses were doly seem by the 14 A. To's an acompte stat is thank for. 15 coart reporter.) 14 A. To's an acompte stat is thank for. 15 coart reporter.) 14 A. To's an acompte, correct. 16 HE. WILLIS: I would call Angela Cooley, plasse. 18 17 Q. Gay, One ogo yoo go co of COC, whit did yes do 18 HE. WILLIS: I would call Angela Cooley, plasse. 18 21 offer. Millis: 20 data is of conversally work. 22 offer. Millis: 21 Q. Wack that of environmental work. 23 Q. Wack Cooley, on you atore your full name for the 23 Q. Wack that of environmental work. 24 record, plasse? 23 Q. Wack that or environmental work were you obing? 24 A. don's work were work obing? 2 A. when I had sance organy would that have been? 25 A. angela conday. 1 A data that A. wach offer demonstrate. 25 A. bagela conday.	11	HEARING OFFICER SLATER: Will any witness who is		11	wastewater treatment, water treatment, groundwater.	
13 actors in. 13 Q. And what is MERCHER? 14 GLI potential witnesses were duly soom by the 14 A. I don't summary what is MERCHER? 15 COLL reporter.) 15 16 A. I's an accorpt. Correct. 17 your first Witness. 16 A. I's an accorpt. Correct. 17 18 NE. WILLES I would call Angela Creader, planes. 17 Q. day. Oras you got out of COC, what did you do 19 METHIC CONTEXT, called as a witness, being 19 A. I's an accorpt. Correct. 18 20 provincely servi, testified as follows: 20 Asc. Consulvation would that have been? 21 Q. Wat: Consulvation would that have been? 21 Q. Wat: Consulvation would that have been? 22 A. USE. Eliter. 21 Q. Wat: kind of environmental work wates you doing? 22 W ME. Willis? 22 A. Social consulvation. 23 Q. Wat: kind of environmental work wates you doing? 23 Q. Wat: Not consulvation. 23 Q. Wat: kind of environmental work wates you doing? 24 A. Was I had consulvation. 364 24 A order-be-be-be. 25 A. Social consulvatin the consulvat. 364	12	testifying today, please raise their right hand to be		12	There were all different kind of parameters.	
14 0.11 potential witnesses were duly soon by the 14 A. T don't manaber what it stands for. 15 court reports	13	sworn in.		13	Q. And what is HAZWOPER?	
15 Q. Is it as account? 16 ERRIG GFEIDE SLETER MY, Willis, you may call 16 A. Tvia an account? 17 your first witness. 17 Q. Osay. One you got of CKQ, what did you do 18 MS. WILLIS: I would call Angela Crockey, please. 18 fm theory? Did you continue with your education? 19 ANEA CONDEY, celled as a different being 19 A. I dat not. I got equipation with a company that 20 previously score, testified as follows: 20 did a lot of environmental work. 21 O. Hat. Condey, can you state your full rame for the 23 Q. What. Condey, can you state your full rame for the 24 A. Use, Bilser. 23 Q. Hat. Condey, can you state your full rame for the 25 a. Wan I had a lot of genomentation. 24 record, please? 1 Act than I did a lot of genomentation. 1 25 A. Deck-Ow-LeeY. 2 add than event maily. I got cestified and did a 4 4 Liepheny Country? 6 A. Wan I had a lot of genomentation. 7 562 . Os you one? 6 A. Wan You would have have them? 8 6 Q. Wan you on high achool? 1 Act th	14	(All potential witnesses were duly sworn by the		14	A. I don't remember what it stands for.	
1 BRAINS OFFICER SLATER: Mr. Willie, you may call 16 A. Re's an accord, constr. 17 your first witness. 17 Q. (Wey. One you go to COXC, what did you do 18 MR. WILLIS: I would call Arguela Cooley, please. 18 from there? Did you continue with your construct. 19 M.W. ACLA COMEY, called as a diress, being 19 A. I did not. I got exployers with a company would that have been? 21 DIMON WILLIS: 20 did a lot of environmental work. 22 W.W. WILLIS: 21 Q. Wat. Cooley, can you state your full name for the 23 22 R.W.W. WILLIS: 22 A. Wat. I had there with your would that have been? 22 23 Q. Wat. Cooley, can you state your full name for the 23 Q. Wat. Kind G environmental work were you dury? 24 record, please? 25 A. Magia Creadey. 26 25 A. A key were you a resident of 3 A. Wat. I had the work willing. I were you dury? 25 A. A key were you a resident of 3 A when were you dury? 26 A. One you ayou have you as a resident of 3 A when were were you dury? 2 did a lot of whowere maping. 14 <	15	court reporter.)		15	Q. Is it an acronym?	
17 your first witness. 17 Q. Gay. One you got out of CSQ, what did you do 18 MR. WILLES: 19 A. I did not. I got employment with a company that 19 DIFFIC GUILLOW, called as a withness, baing 19 A. I did not. I got employment with a company that 21 DIFFIC GUILLOW, called as a withness, baing 19 A. I did not. I got employment with a company that 21 DIFFIC GUILLOW (CALLE) 0. What company sould that have been? 21 22 File. WILLES: 20 A. J gain a company sould that have been? 22 23 O. Ho. Condey, can you state your full name for the 23 A. Wen. I had stated with them, I we just doing? 24 A. Nepala Condey. 25 site specific work, doing desenvations. 25 A. Again Condey. 26 A. Wen I had stated with them, I we just doing? 25 A. Nepala Condey. 26 A. Wen I had stated with them, I we just doing? 26 A. Condey. Condey on a post late name? 2 A. Wen I had stated with them, I we just doing? 2 A. Condey. Set you a condewise state name? 2 did a lot of wave monitors. 3 3 A. Machageneroboxing. 3 Ad the	16	HEARING OFFICER SLATER: Mr. Willis, you may call		16	A. It's an acronym, connect.	
19 Mit. WILLIS: 1 would call Angela Creakey, please. 19 NEEDA CREAKEY, called as a witness, being 19 A. Tida net. T get englowers with a company that 20 previously sorm, testified as follow: 19 A. Ud. Piletar 21 DEECT EXMINUTEN 20 (di a let of environmental work. 22 BY MR. WILLIS: 20 (di a let of environmental work were you doing? 23 Q. No. Croakey, can you state your full name for the 21 Q. Wat doing would that have been? 24 record, please? 24 A. Wen i had standed with Men. Yae just doing? 24 record, please? 25 at the or with you. Yae just doing? 25 at Convet.please? 26 A then i did a let of started with Men. Yae just doing? 24 A. No. 26 1 Act then I did a let of started with Men. Yae just doing? 25 at A the provide would with you reductions. 1 Act then I did a let of started with Men. Yae just doing? 25 at A the provide would wou	17	vour first witness		17	Q. Okay. Once you got out of CCAC, what did you do	
 A function of the second sec	18	MR WILLIS. I would call Angela Crowley, please.		18	from there? Did you continue with your education?	
10 Protocol volume, volu	10	INCELL COMPEN called as a witness being		19	A. I did not. I got employment with a company that	
1 Diget Solution and and the second of t	20	providually supro testified as follows:		20	did a lot of environmental work.	
1 Lines (Direction of the second	20	DIDECT FYAMINATION		21	O. What company would that have been?	
22 a) R. N. Kullet a) C. See, Condey, can you state your full name for the 23 Q. Watk kind of environmental work were you doing? 24 record, please? 24 A. Wen I had started with them, I wes just doing 25 A. Megala Condey. 25 at the neutron of the started with them, I wes just doing 25 A. Megala Condey. 26 at the neutron of the started with them, I wes just doing 26 A. Graco-W-Jeby. 26 at the neutron of the started with them, I wes just doing 26 A. Graco-W-Jeby. 26 did a lot of groundwater sempling. 1 2 A. Graco-W-Jeby. 2 did a lot of water sempling. 1 2 3 Q. Thank you. Ns. Crowley, are you a resident of 3 Not than eventually. I got cartified and did a 4 lot of V machings. 6 A. Valuation emainscone doeswations. 7 5 A. No. 5 Q. By Vb, you mean? 6 A. Valuation at an eventually. I got cartified and did a 4 lot of V machings. 7 Q. Thank you. And how long did you work there? 8 A. Valuation at an eventually. I got cartified and the anter the started with the instanter sempling. 1 A. Water did you go to high	21	DY MD WITTIG.		22	A. U.S. Filter.	
23 Q. fish (10009), Gai you show you in the nor the field in the field in the field with them, I was just duing 24 Fectory, Diass? 25 A. Angula Croadey. 562 1 7 A. Geto-W-Last. 8 C. Can you spell your last name? 9 A. Wath You. Ms. Crowley, are you a resident of 4 A. Wath You. Ms. Crowley, are you a resident of 4 A. Wath You. Ms. Crowley, are you a resident of 4 A. Wath You. Ms. Crowley, are you a resident of 4 A. Wath You. Ms. Crowley, are you a resident of 4 A. Wath You. Ms. Crowley, are you a resident of 5 A. No. 6 Q. Water do you live? 7 A. Wath You. And how long did you work there? 8 Q. Okay. Did you go to high school in Penneylvania? 9 A. Yes. 10 Q. Water did you go to high school? 11 A. Secharization after high 12 Q. Water was the name when you finally left? 13 ach yous? 14 A. Water 15 Q. Or? 16 A. 1996. 17 <td< td=""><td>22</td><td>O Mo Graview can you state your full name for the</td><td></td><td>23</td><td>O. What kind of environmental work were you doing?</td><td></td></td<>	22	O Mo Graview can you state your full name for the		23	O. What kind of environmental work were you doing?	
21 Headmin, junctions 25 A. Argala Cooleg. 562 562 562 562 1 Q. Can you spell your last name? 2 2 A. Cacourt, act. 3 Q. Thank you. Ms. Crowley, are you a resident of 3 4 Allegherry County? 4 5 A. No. 5 6 Q. Where do you live? 6 7 A. Washington County. 8 8 Q. Okay. Did you go to high school in Pennsylvania? 9 9 A. Yee. 9 10 Q. Watere did you go to high school? 10 11 A. South Rills Bigh School. 11 12 Q. Did you have any formal education after high 12 13 school? 13 14 A. Yee. 16 15 Q. Mare did you go? 16 16 A. Wash 11 17 Q. Or? 12 18 A. Company County. 16 19 Q. Coky. And you so from there? 19 Q. Coky? <td>23</td> <td>Q. MS. CLOWLEY, Can you state your full name for the</td> <td></td> <td>24</td> <td>A. When I had started with them, I was just doing</td> <td></td>	23	Q. MS. CLOWLEY, Can you state your full name for the		24	A. When I had started with them, I was just doing	
23 A. Falgua Linkay. 10 And then I did a lot of groundestee capling. I 562 1 Q. Can you spell your last name? 1 And then I did a lot of groundestee capling. I 2 2 A. Ore-W-L-D-Y. 2 did a lot of water capling. I And then I did a lot of groundestee capling. I 3 Q. Thank you. Ms. Crowley, are you a resident of 3 And then workshily. I get cartified and did a 4 Allegheny County? 4 lot of Vie readings. 5 5 A. No. 5 Q. By Vie, you mean? 6 6 Q. Water do you live? 7 A Wathington County. 7 A. Nakhington County. 7 Q. Thank you. And how long did you work there? 8 Q. Okay. Did you go to high school in Pennsylvania? 8 A. Wath that company? 9 A. Yee. 9 Q. Yees. 10 A. I worked for then for 10 years, but they had 11 A. South Rule High School. 11 changed name over the years. 12 13 at balane did you go form there? 13 A. I balane Wate you finally left? 13 at balane did you go from there? 15 <td>24</td> <td>A local contract</td> <td></td> <td>25</td> <td>site-specific work, doing observations,</td> <td></td>	24	A local contract		25	site-specific work, doing observations,	
5625641Q. Can you spell your last name?1And then 1 did a lot of groundwatter sampling. I2A. Ore-O-H-JE-Y.2did a lot of water sampling.3Q. Thank you. Ms. Crowley, are you a resident of3And then overhally. I got cartified and did a4Milegheny County?4lot of Wz reachings.5A. No.5Q. By VZ, you nean?6Q. Where do you live?6A. Vathile emianions observations.7A. Washington County.6A. Wathile emianions observations.8Q. Ckay. Did you go to high school in Fennsylvania?8A. With that company?9A. Xes.9Q. Yes.10Q. Where did you go to high school?10A. I worked for them for 10 years, but they hed13school?13A. I baliewe Wealia.14A. Yes.13A. I baliewe Wealia.15ord?14Q. Okay. And you asid you worked for them for 1015ord?15years. When did you as of they had16A. Commuting College.16A. 1998.17Q. Or?19Q. Now, what was your position there?18A. Allegheny County.19Q. Now, what was your position there when you19Q. Or?19Q. Now, what was your position there when you19Q. Or?19Q. Now, what was your position there when you20A. Yes.20Yes, ma*an.21Q. Did you finish with an associate's deg				-		
1 Q. Can you spell your last name? 1 And then I did a lot of groundwater sempling. I 2 A. CHO-W-T-B-Y. 2 did a lot of water sempling. 3 Q. Thank you. Ms. Crowley, are you a resident of 3 And then I did a lot of water sempling. 4 Allegheny County? 4 lot of Vs readings. 5 A. No. 5 Q. By VE, you mean? 6 Q. Where do you live? 6 A. Vinible emissions doeswations. 7 A. Weakington County. 7 Q. Thank you. And how long did you work there? 8 Q. Okay. Did you go to high school in Pernsylvania? 8 A. With thet company? 9 A. Yee. 9 Q. Yee. 9 10 Q. Where did you go to high school? 10 A. I worked for them for 10 years, but they had 13 school? 13 A. I believe Vealia. 11 14 A. Yee. 14 Q. Okay. And you said you worked for them for 10 15 years. When did you go? 15 years. When did you go from there? 16 A. Commuty College. 17 Q. And where did you go from there? 18 A. Alleghe			562			564
2 A. Crevowstrev. 2 did a lot of water sempling. 3 Q. Thank you. Ms. Crowley, are you a resident of 3 And then eventually, I got certified and did a 4 Allegheny County? 4 lot of Wirzendings. 5 A. No. 5 Q. By VE, you mean? 6 Q. Where do you live? 6 A. Vinible emissions doeswations. 7 A. Weshington County. 7 Q. Thank you. And how long did you work there? 8 Q. Okay. Did you go to high school in Penneylvania? 8 A. With that company? 9 A. Yee. 9 Q. Yees. 10 Q. Where did you go to high school? 10 A. I worked for them for 10 years, but they hed 11 A. South Bills Bigh School. 11 charged names over the years. 12 Q. Did you have any formal education after high 12 Q. What was the name when you finally left? 13 school? 13 A. I believe Vealia. 10 14 A. Yee. 14 Q. Okay. And you said you worked for them for 10 15 years. 16 A. 1998. 17 17 Q. of? 17	1	Q. Can you spell your last name?		1	And then I did a lot of groundwater sampling. I	
3 Q. Thank you. Ms. Crowley, are you a resident of 3 And then eventually, I got certified and did a 4 Allegheny County? 4 lot of V2 residings. 5 A. No. 5 Q. By VE, you mean? 6 Q. Where do you live? 7 Q. Thank you. And how long did you work there? 8 Q. Okay. Did you go to high school in Pennsylvania? 8 A. Wath that company? 9 A. Yes. 9 Q. Yes. 10 Q. Where did you go to high school? 10 A. I worked for them for 10 years, but they had 11 A. South Bills High School. 11 charged names over the years. 12 Q. Did you have any formal education after high 12 Q. What was the name when you finally left? 13 school? 13 A. I baliesen Veolia. 14 14 A. Yes. 15 years. When did you ago from there? 15 Q. Maree did you go? 15 years. When did you go from there? 16 A. Commity College. 16 A. 1998. 17 Q. Of? 17 Q. And where did you go from there when you 18 A. Allegheny County Mealab Tepartmen	2	A. C-R-O-W-L-E-Y.		2	did a lot of water sampling.	
4 Allegheny County? 4 Lot of VE reachings. 5 A. No. 5 Q. By VE, you mean? 6 Q. Where do you live? 6 A. Visible emissions deservations. 7 A. Washington County. 7 Q. Trank you. And how long did you work there? 8 Q. Okay. Did you go to high school in Pennaylvania? 8 A. With that company? 9 A. Yes. 9 Q. Yes. 10 Q. Where did you go to high school? 10 A. I worked for them for 10 years, but thay had 11 A. South Hills High School. 11 charged names over the years. 12 Q. Did you have any formal education after high 12 Q. What was the name when you finally left? 13 school? 13 A. I believe Veolia. 11 14 A. Ves. 14 Q. Okay. And you said you worked for them for 10 15 Q. Where did you go? 15 years. When did you go from there? 16 A. Subjerny County. 18 A. The Allegheny County Health Department. 19 Q. Or? 19 Q. Now, what was your position there when you 21 A. My position with the Hea	3	${\sf Q}.$ Thank you. Ms. Crowley, are you a resident of		3	And then eventually, I got certified and did a	
5 A. No. 5 Q. By VE, you mean? 6 Q. Where do you live? 6 A. Visible emissions docervations. 7 A. Washington County. 7 Q. Thank you. And how long did you work there? 8 Q. Okay. Did you go to high school in Pennsylvania? 8 A. With that company? 9 A. Yee. 9 Q. Yes. 10 Q. Where did you go to high school? 10 A. I worked for them for 10 years, but they hed 11 A. South Hills High School. 11 charged names over the years. 12 Q. Did you have any formal education after high 12 Q. What was the name when you finally left? 13 schcol? 13 A. I believe Veolia. 14 A. Yee. 14 Q. Okay. And you said you worked for them for 10 15 years. When did you go? 15 years. When did you go from there? 16 A. Ormanity College. 16 A. 1998. 17 Q. Of? 19 Q. Now, what was your position there when you 18 A. Alaghany Conty. 18 A. The Alleghany Conty Health Department? 19 Q. Did you finish with an associate's degree there?	4	Allegheny County?		4	lot of VE readings.	
6Q.Where do you live?6A.Visible emissions deservations.7A.Weshington County.7Q.Thank you. And how long did you work there?8Q.Okay. Did you go to high school in Pennsylvania?8A.With that company?9A.Yes.9Q. Yes.10Q.Where did you go to high school?10A.I worked for them for 10 years, but they had11A.South Hills High School.11changed names over the years.12Q.Did you have any formal education after high12Q.What was the name when you finally left?13school?13A.I believe Vealia.14A.Yee.14Q.Okay. And you said you worked for them for 1015Q.Of?15years.When did you go from there?16A.Comunity College.16A.1996.17Q.CAC?19Q.Now, what was your position there when you20A.Yee.20started with the Health Department?21Q.Did you finish with an associate's degree there?21A.My position with the Health Department?22A.Yee.23A.Oke oven processing technician.23Q.In what?23A.Oke oven processing technician.24A.Environmental technician.24Q.Is that your current position now?25Q.What did that entai	5	A. No.		5	Q. By VE, you mean?	
7 A. Washington County. 7 Q. Thank you. And how long did you work there? 8 Q. Okay. Did you go to high school in Pennsylvania? 8 A. With that company? 9 A. Yee. 9 Q. Yes. 10 Q. Where did you go to high school? 10 A. I worked for them for 10 years, but they had 11 A. South Hills High School. 11 changed names over the years. 12 Q. Did you have any formal education after high 12 Q. What was the name when you finally left? 13 school? 13 A. I believe Veolia. 14 A. Yee. 14 Q. Okay. And you said you worked for them for 10 15 Q. Where did you go? 15 years. When did you go from there? 16 A. Ommunity College. 16 A. 1998. 17 Q. Of? 18 A. The Allephary County Health Department. 19 Q. CCAC? 19 Q. Now, what was your position there when you 20 A. Yee. 22 Q. Yes, ma'am. 23 Q. In what? 23 A. Cole oven processing technician. 24 Q. What did that entail? 25 A. Correct. <td>6</td> <td>Q. Where do you live?</td> <td></td> <td>6</td> <td>A. Visible emissions observations.</td> <td></td>	6	Q. Where do you live?		6	A. Visible emissions observations.	
8 Q. Okay. Did you go to high school in Pennsylvania? 8 A. With that company? 9 A. Yes. 9 Q. Yes. 10 Q. Where did you go to high school? 10 A. I worked for them for 10 years, but they had 11 A. South Hills High School. 11 changed names over the years. 12 Q. Did you have any formal education after high 12 Q. What was the name when you finally left? 13 school? 13 A. I believe Veolia. 14 A. Yes. 14 Q. Okay. And you said you worked for them for 10 15 Q. Where did you go? 15 years. When did you go from there for 10 16 A. Ormanity Collegs. 16 A. 1996. 17 Q. Of? 18 A. The Alleghary County Balth Department. 19 Q. CCAC? 19 Q. Now, what was your position there when you 20 A. Yes. 21 A. My position with the Balth Department? 21 Q. Did you finish with an associate's degree there? 21 A. My position with the Balth Department? 22 A. Yes. 22 Q. Yes, ma'am. 23 A. Cohe oven processing technician. <t< td=""><td>7</td><td>A. Washington County.</td><td></td><td>7</td><td>Q. Thank you. And how long did you work there?</td><td></td></t<>	7	A. Washington County.		7	Q. Thank you. And how long did you work there?	
9A. Yas.9Q. Yas.10Q. Where did you go to high school?10A. I worked for them for 10 years, but they had11A. South Hills High School.11charged names over the years.12Q. Did you have any formal education after high12Q. What was the name when you finally left?13school?13A. I believe Veolia.14A. Yas.14Q. Okay. And you said you worked for them for 1015Q. Where did you go?15years. When did you leave?16A. Ommarity College.16A. 1998.17Q. Of?18A. Te Alleghery Courty Health Department.19Q. Ocar?19Q. Now, what was your position there?20A. Yas.20started with the Health Department?21Q. Did you finish with an associate's degree there?21A. My position with the Health Department?22A. Yas.23A. Coke oven processing technician.23Q. In what?23A. Coke oven processing technician.24A. Stoircomental technician.24Q. Is that your current position now?25Q. What did that entail?25A. Correct.	8	${f Q}.$ Okay. Did you go to high school in Pennsylvania?		8	A. With that company?	
10Q. Where did you go to high school?10A. I worked for them for 10 years, but they had11A. South Kills High School.11changed names over the years.12Q. bid you have any formal education after high12Q. What was the name when you finally left?13school?13A. I believe Veolia.14A. Yee.14Q. Okay. And you said you worked for them for 1015Q. Where did you go?15years. When did you leave?16A. Comunity College.16A. 1998.17Q. of?17Q. And where did you go from there?18A. Allegheny County.18A. The Allegheny County Health Department.19Q. ocAc?19Q. Now, what was your position there when you20A. Yee.20started with the Health Department?21Q. bid you finish with an associate's degree there?21A. My position with the Health Department?22A. Yee.22Q. Yes, ma'am.23Q. In what?23A. Coke oven processing technician.24A. Environmental technician.24Q. Is that your current position now?25Q. What did that entail?25A. Connect.	9	A. Yes.		9	Q. Yes.	
11A. south Hills High School.11changed names over the years.12Q. Did you have any formal education after high12Q. What was the name when you finally left?13school?13A. I believe Veolia.14A. Yees.14Q. Okay. And you said you worked for them for 1015Q. Where did you go?15years. When did you leave?16A. Community College.16A. 1996.17Q. Of?17Q. And where did you go from there?18A. Allegheny County.18A. The Allegheny County Health Department.19Q. CCAC?19Q. Now, what was your position there when you20A. Yee.20started with the Health Department?21Q. Did you finish with an associate's degree there?21A. My position with the Health Department?23Q. In what?23A. Coke oven processing technician.24A. Environmental technician.24Q. Is that your current position now?25Q. What did that entail?25A. Correct.	10	Q. Where did you go to high school?		10	A. I worked for them for 10 years, but they had	
12 Q. Did you have any formal education after high 12 Q. What was the name when you finally left? 13 school? 13 A. I believe Veolia. 14 A. Yes. 14 Q. Okay. And you said you worked for them for 10 15 Q. Where did you go? 15 years. When did you leave? 16 A. community college. 16 A. 1998. 17 Q. Of? 17 Q. And where did you go from there? 18 A. allegheny county. 18 A. The Allegheny County Health Department. 19 Q. OxAC? 19 Q. Now, what was your position there when you 21 Q. Did you finish with an associate's degree there? 21 A. My position with the Health Department? 22 A. Yes. 22 Q. Yes, ma'am. 23 Q. In what? 23 A. Coke oven processing technician. 24 A. Environmental technician. 24 Q. Is that your current position now? 25 Q. What did that entail? 25 A. Correct.	11	A. South Hills High School.		11	changed names over the years.	
13school?13A. I believe Veolia.14A. Yes.14Q. Okay. And you said you worked for them for 1015Q. Where did you go?15years. When did you leave?16A. Comunity Collegs.16A. 1998.17Q. Of?17Q. And where did you go from there?18A. Allegheny County.18A. The Allegheny County Health Department.19Q. CCAC?19Q. Now, what was your position there when you20A. Yes.20started with the Health Department?21Q. Did you finish with an associate's degree there?21A. My position with the Health Department?23Q. In what?23A. Coke oven processing technician.24A. Environmental technician.25A. Courtect.	12	${\sf Q}.$ Did you have any formal education after high		12	Q. What was the name when you finally left?	
14A. Yes.14Q. Okay. And you said you worked for them for 1015Q. Where did you go?15years. When did you leave?16A. Comunity College.16A. 1998.17Q. Of?17Q. And where did you go from there?18A. Allegheny County.18A. The Allegheny County Health Department.19Q. CCAC?19Q. Now, what was your position there when you20A. Yes.20started with the Health Department?21Q. Did you finish with an associate's degree there?21A. My position with the Health Department?23Q. In what?23A. Coke oven processing technician.24A. Environmental technician.24Q. Is that your current position now?25Q. What did that entail?25A. Commental technician.	13	school?		13	A. I believe Veolia.	
15Q. Where did you go?15years. When did you leave?16A. Ommunity College.16A. 1996.17Q. Of?17Q. And where did you go from there?18A. Allegheny County.18A. The Allegheny County Bealth Department.19Q. CCAC?19Q. Now, what was your position there when you20A. Yes.20started with the Health Department?21Q. Did you finish with an associate's degree there?21A. My position with the Health Department?22A. Yes.22Q. Yes, ma'am.23Q. In what?23A. Coke oven processing technician.24A. Environmental technician.24Q. Is that your current position now?25Q. What did that entail?25A. Correct.	14	A. Yes.		14	Q. Okay. And you said you worked for them for 10	
16A. Community College.16A. 1998.17Q. of?Q. And where did you go from there?18A. Allegheny County.18A. The Allegheny County Health Department.19Q. CCAC?19Q. Now, what was your position there when you20A. Yes.20started with the Health Department?21Q. Did you finish with an associate's degree there?21A. My position with the Health Department?22A. Yes.22Q. Yes, ma'am.23Q. In what?23A. Coke oven processing technician.24A. Environmental technician.24Q. Is that your current position now?25Q. What did that entail?25A. Connect.	15	Q. Where did you go?		15	years. When did you leave?	
17Q. Of?17Q. And where did you go from there?18A. Allegheny County.18A. The Allegheny County Health Department.19Q. CCAC?19Q. Now, what was your position there when you20A. Yes.20started with the Health Department?21Q. Did you finish with an associate's degree there?21A. My position with the Health Department?22A. Yes.22Q. Yes, ma'am.23Q. In what?23A. Coke oven processing technician.24A. Environmental technician.24Q. Is that your current position now?25Q. What did that entail?25A. Correct.	16	A. Community College.		16	A. 1998.	
18A. Allegheny County.18A. The Allegheny County Health Department.19Q. CCAC?19Q. Now, what was your position there when you20A. Yes.20started with the Health Department?21Q. Did you finish with an associate's degree there?21A. My position with the Health Department?22A. Yes.22Q. Yes, ma'am.23Q. In what?23A. Coke oven processing technician.24A. Environmental technician.24Q. Is that your current position now?25Q. What did that entail?25A. Correct.	17	Q. Of?		17	Q. And where did you go from there?	
19Q. CCAC?19Q. Now, what was your position there when you20A. Yes.20started with the Health Department?21Q. Did you finish with an associate's degree there?21A. My position with the Health Department?22A. Yes.22Q. Yes, ma'am.23Q. In what?23A. Coke oven processing technician.24A. Environmental technician.24Q. Is that your current position now?25Q. What did that entail?25A. Correct.	18	A. Allegheny County.		18	A. The Allegheny County Health Department.	
20A. Yes.20started with the Health Department?21Q. Did you finish with an associate's degree there?21A. My position with the Health Department?22A. Yes.22Q. Yes, ma'am.23Q. In what?23A. Coke oven processing technician.24A. Environmental technician.24Q. Is that your current position now?25Q. What did that entail?25A. Correct.	19	Q. CCAC?		19	Q_{\ast} Now, what was your position there when you	
21Q. Did you finish with an associate's degree there?21A. My position with the Health Department?22A. Yee.22Q. Yes, ma'am.23Q. In what?23A. Coke oven processing technician.24A. Environmental technician.24Q. Is that your current position now?25Q. What did that entail?25A. Correct.	20	A. Yes.		20	started with the Health Department?	
22A. Yes.22Q. Yes, ma'am.23Q. In what?23A. Coke oven processing technician.24A. Environmental technician.24Q. Is that your current position now?25Q. What did that entail?25A. Correct.	21	Q_{\star} Did you finish with an associate's degree there?		21	A. My position with the Health Department?	
23Q. In what?23A. Coke oven processing technician.24A. Environmental technician.24Q. Is that your current position now?25Q. What did that entail?25A. Correct.				22	O. Yes, ma'am,	
24 A. Environmental technician. 24 Q. Is that your current position now? 25 Q. What did that entail? 25 A. Correct.	22	A. Yes.				
25 Q. What did that entail? 25 A. Correct.	22 23	A. Yes. Q. In what?		23	A. Coke oven processing technician.	
	22 23 24	A. Yes.Q. In what?A. Environmental technician.		23 24	A. Coke oven processing technician.Q. Is that your current position now?	

	565			567
1	Q. And so you have been a coke oven processing	1	A. I start off, wake up, gather my personal and	
2	technician since 1998 with the county?	2	protective equipment. I gather documents. I load my	
3	A. 2008 with the county.	3	vehicle up. I drive to the facility. I swipe into	
4	Q. 2008 with the county?	4	their general office building.	
5	A. Yes. Let me - I started with Veolia/US Filter	5	I put my first layer of protective gear on, my	
6	in '98 and left in 2008. Sorry about that.	6	second layer of protective gear on. I don't put a	
7	Q. Okay. All right. Are you familiar with the	7	respirator and hat on until I actually go into the coke	
8	certification method for Method 303?	8	plant facility.	
9	A. Yes.	9	I talk to an escort. I review a couple documents	
10	Q. Are you Method 303 certified?	10	to see where I'm going to go for today, maybe get some	
11	A. Yes.	11	pertinent information about if there's an outage or	
12	Q. Could you tell me what that means to be certified	12	anything going on that I need to know about so I don't	
13	in Method 303?	13	have to go through that area.	
14	A. You go through a training through Crowder	14	Once I talk to them, we drive in. I sign into	
15	Environmental. And then after you go through the	15	a — they sign into an office building. We go up to the	
16	training, you get certified by three panel members, EPA	16	facility and I start my inspections.	
17	303 panel members.	17	I can start I can start with pushing, soaking,	
18	Q. Okay.	18	topside, doors, any one of those depending on where they	
19	A. And you inspect coke oven batteries.	19	are in the operations.	
20	Q. And are these panel members individuals with	20	After I complete an inspection, we sign out. I	
21	certain expertise in Method 303?	21	meet them back up at the GOD. I make copies. I give	
22	A. Yes.	22	them the copies of everything and ask if there is	
23	Q. Have you ever been a panel member?	23	anything they need to know, that they could see	
24	A. Iama panal maniber.	24	everything, if they agree to it, any questions.	
25	Q. You're currently a panel member?	25	And I tidy up my day by getting cleaned up and	
1	566			568
1	A. Connect.	1	having a lunch.	
2	Q. And does that mean that you have certified other	2	Q. Okay, I'm going to back up a little bit. You	
3	inspectors for Method 303?	3	went through a lot in a very short discussion there.	
4	A. Yes.	4	What time do you get in?	
5	Q. Have you done that?	5	A. About seven o'alock.	
6	A. Yes.	6	Q. So you are on site at seven a.m.?	
7	O. Okay. It's my understanding that you currently	7	A. Correct.	
8	do visible emission inspections at Clairton Coke Works;	8	Q. Do you ever work overnight?	
9	is that correct?	9	A. No.	
10	A. Correct.	10	Q. Just during the day?	
11	O. Have you done visible emission inspections for	11	A. Correct.	
12	any other facility?	12	Q. When do you get off of work, what time?	
13	A. Yes.	13	A. About three o'clock.	

15

16

17

18

19

20

21

22

23

24

25

Q. Is that every day?

Q. Five days a week?

Q. Do you do that week to week?

Q. And what you've just described, is that something

A. Yes.

A. Yes.

A. Yes.

A. Yes.

A. Yes.

that you do every day?

Q. Month to month?

Q. Quarter to quarter?

- 13 A. Yes.
- 14 Q. Which ones?
- 15 A. Piper Thompson (phonetic), Irvin. I can't
- 16 remember any more other than Clairton.
- Q. You can't remember anything beyond U.S. Steel 17
- 18 facilities?
- 19 A. Correct.
- 20 ${\sf Q}.$ Okay. Did you ever do any vision emission
- inspections at Shenango? 21
- 22 A. Yes, yes, yes.
- Q. Okay. Could you walk me through a typical day 23
- 24 for you in terms of your position with the county? How
- 25 does your day go?

		5.60			
1	A. Yes	569	1	volu to wear a respirator?	571
2	0. You mentioned that you have to wear personal		2	A. Correct.	
3	protective equipment?		3	O. I see. You're outside when you have to wear that	
4	A. Correct.		4	respirator though, right? This isn't inside the	
5	O. Is that otherwise known as "PPE"?		5	facility?	
6	A. Correct.		6	A. It's a facility, but the facility is outside.	
7	O. Does the personal protective equipment, or PPE,		7	O. Oh, there's no cover over the batteries?	
8	involve the use of a respirator? I think you mentioned		8	A. No. no.	
9	that?		9	O. So you're outside the entire time?	
10	A. Yes, it does.		10	A. Yes.	
11	Q. When do you put that on?		11	Q. Now, you mentioned, or maybe you didn't mention,	
12	A. When do I put it on?		12	but is there somebody that goes along with you to make	
13	Q. Yeah, you mentioned you don't put it on as soon		13	sure that you are safe in terms of I know it's a	
14	as you come into the facility.		14	pretty dangerous facility. Do you have, like, an escort	
15	A. No, not until I reach the regulated area that		15	to make sure that you are doing your job safely?	
16	requires you to wear a respirator.		16	A. Yes.	
17	Q. Is that an Article 21 regulation that requires		17	Q. Is there one person that escorts you throughout	
18	you to wear a respirator?		18	that facility?	
19	A. Yes.		19	A. One per day, but the person changes daily.	
20	Q. Okay. Has anybody at U.S. Steel told you to put		20	Q. Is there one person in particular that walks with	
21	on your respirator before?		21	you more than any other?	
22	A. Yes.		22	A. It is always a Veolia personnel, but the	
23	Q. Could you tell me about that?		23	personnel changes throughout their company. It's not	
24	A. Yes. I wasn't wearing a respirator for a moment		24	always the same person.	
25	for whatever reason. I don't know. I know when it's		25	Q. I see. Was there ever a time when U.S. Steel	
1 2	cold out, a lot of time, it freezes to my face and causes a lot of $$ like, if I didn't have makeup on, I	570	1 2	personnel escorted you through? A. Yes.	572
1 2 3 4 5 6 7 8 9 10 11 12 13	cold out, a lot of time, it freezes to my face and causes a lot of - like, if I dich't have makeup on, I have a lot of skin damage from a frozen respirator on it. And the guy that walked up, he was quite concerned about my health and safety and said about wearing a respirator, and I thanked him very much. And then not long after that, I don't know how long after that, but Mike Dzurinko had me go into a safety training about wearing a respirator and why we wear a respirator in a regulated area. Q. And what's your understanding as to why you wear a respirator in a regulated area?	570	1 2 3 4 5 6 7 8 9 10 11 12 13	 personnel escorted you through? A. Yes. Q. Do you remember who that would have been? A. There were quite a few U.S. Steel personnels. Do you want actual names, or Q. If you remember any. A. There was a Bob Smith. He was a U.S. Steel union personnel with a lot of years and experience. There was an environmental engineer, Coleen Davis. I believe Mike Dzurinko came out with me once. I believe Jonelle Scheetz came out with me a few times. Q. But it seems as though Veolia employees are the ones that are escorting you now; is that correct? 	572
1 2 3 4 5 6 7 8 9 10 11 12 13 14	<pre>cold out, a lot of time, it freezes to my face and causes a lot of like, if I dich't have makeup on, I have a lot of skin damage from a frozen respirator on it. And the guy that walked up, he was quite concerned about my health and safety and said about wearing a respirator, and I thanked him very much. And then not long after that, I don't know how long after that, but Mike Dzurinko had me go into a safety training about wearing a respirator and why we wear a respirator in a regulated area. Q. And what's your understanding as to why you wear a respirator in a regulated area? A. The man that was training, he actually said there is a lot of nexty staff art them and I area in a set of nexty staff art is new of I area.</pre>	570	1 2 3 4 5 6 7 8 9 10 11 12 13 14	 personnel escorted you through? A. Yes. Q. Do you remember who that would have been? A. There were quite a few U.S. Steel personnels. Do you want actual names, or Q. If you remember any. A. There was a Bob Smith. He was a U.S. Steel union personnel with a lot of years and experience. There was an environmental engineer, Coleen Davis. I believe Mike Dzurinko came out with me once. I believe Jonelle Scheetz came out with me a few times. Q. But it seems as though Veolia employees are the ones that are escorting you now; is that correct? A. Correct. 	572
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	<pre>cold out, a lot of time, it freezes to my face and causes a lot of like, if I didn't have makeup on, I have a lot of skin damage from a frozen respirator on it. And the guy that walked up, he was quite concerned about my health and safety and said about wearing a respirator, and I thanked him very much. And then not long after that, I don't know how long after that, but Mike Dzurinko had me go into a safety training about wearing a respirator and why we wear a respirator in a regulated area. Q. And what's your understanding as to why you wear a respirator in a regulated area? A. The man that was training, he actually said there is a lot of nasty stuff out there and I need to wear a respirator and he elaborated to the whole class that</pre>	570	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 personnel escorted you through? A. Yes. Q. Do you remember who that would have been? A. There were quite a few U.S. Steel personnels. Do you want actual names, or Q. If you remember any. A. There was a Bob Smith. He was a U.S. Steel union personnel with a lot of years and experience. There was an environmental engineer, Coleen Davis. I believe Mike Dzurinko came out with me once. I believe Jonelle Scheetz came out with me a few times. Q. But it seems as though Veolia employees are the ones that are escorting you now; is that correct? A. Correct. Q. At some point, U.S. Steel employees stopped escorting you through the facility? 	572
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	cold out, a lot of time, it freezes to my face and causes a lot of — like, if I dich't have makeup on, I have a lot of skin damage from a frozen respirator on it. And the guy that walked up, he was quite concerned about my health and safety and said about wearing a respirator, and I thanked him very much. And then not long after that, I don't know how long after that, but Mike Dzurinko had me go into a safety training about wearing a respirator and why we wear a respirator in a regulated area. Q. And what's your understanding as to why you wear a respirator in a regulated area? A. The man that was training, he actually said there is a lot of nasty stuff out there and I need to wear a respirator, and he elaborated to the whole class about, you have the you wear a merimeter. He wert into even	570	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 personnel escorted you through? A. Yes. Q. Do you remember who that would have been? A. There ware quite a few U.S. Steel personnels. Do you want actual names, or Q. If you remember any. A. There was a Bob Smith. He was a U.S. Steel union personnel with a lot of years and experience. There was an environmental engineer, Coleen Davis. I believe Mike Dzurinko came out with me once. I believe Jonelle Scheetz came out with me a few times. Q. But it seems as though Veolia employees are the ones that are escorting you now; is that correct? A. Correct. Q. At some point, U.S. Steel employees stopped escorting you through the facility? 	572
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	<pre>cold out, a lot of time, it freezes to my face and causes a lot of like, if I dich't have makeup on, I have a lot of skin damage from a frozen respirator on it. And the guy that walked up, he was quite concerned about my health and safety and said about wearing a respirator, and I thanked him very much. And then not long after that, I don't know how long after that, but Mike Dzurinko had me go into a safety training about wearing a respirator and why we wear a respirator in a regulated area. Q. And what's your understanding as to why you wear a respirator in a regulated area? A. The man that was training, he actually said there is a lot of nasty stuff out there and I need to wear a respirator, and he elaborated to the whole class about, you know, why you wear a respirator. He went into some detail.</pre>	570	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 personnel escorted you through? A. Yes. Q. Do you remember who that would have been? A. There were quite a few U.S. Steel personnels. Do you want actual names, or Q. If you remember any. A. There was a Bob Smith. He was a U.S. Steel union personnel with a lot of years and experience. There was an environmental engineer, Coleen Davis. I believe Mike Dzurinko came out with me once. I believe Jonelle Scheetz came out with me a few times. Q. But it seems as though Veolia employees are the ones that are escorting you now; is that correct? A. Correct. Q. At some point, U.S. Steel employees stopped escorting you through the facility? A. Correct. Q. Was there any particular reason why? 	572
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	<pre>cold out, a lot of time, it freezes to my face and causes a lot of like, if I didn't have makeup on, I have a lot of skin damage from a frozen respirator on it. And the guy that walked up, he was quite concerned about my health and safety and said about wearing a respirator, and I thanked him very much. And then not long after that, I don't know how long after that, but Mike Dzurinko had me go into a safety training about wearing a respirator and why we wear a respirator in a regulated area. Q. And what's your understanding as to why you wear a respirator in a regulated area? A. The man that was training, he actually said there is a lot of nasty stuff out there and I need to wear a respirator, and he elaborated to the whole class about, you know, why you wear a respirator. He went into some detail. I don't really recell all the details. But the</pre>	570	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 personnel escorted you through? A. Yes. Q. Do you remember who that would have been? A. There were quite a few U.S. Steel personnels. Do you want actual names, or Q. If you remember any. A. There was a Bob Smith. He was a U.S. Steel union personnel with a lot of years and experience. There was an environmental engineer, Coleen Davis. I believe Mike Dzurinko came out with me once. I believe Jonelle Scheetz came out with me a few times. Q. But it seems as though Veolia employees are the ones that are escorting you now; is that correct? A. Correct. Q. At some point, U.S. Steel employees stopped escorting you through the facility? A. Correct. Q. Was there any particular reason why? A. I really don't understand why. I don't understand why. 	572
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	<pre>cold out, a lot of time, it freezes to my face and causes a lot of like, if I dich't have makeup on, I have a lot of skin damage from a frozen respirator on it. And the guy that walked up, he was quite concerned about my health and safety and said about wearing a respirator, and I thanked him very much. And then not long after that, I don't know how long after that, but Mike Dzurinko had me go into a safety training about wearing a respirator and why we wear a respirator in a regulated area. Q. And what's your understanding as to why you wear a respirator in a regulated area? A. The man that was training, he actually said there is a lot of nasty stuff out there and I need to wear a respirator, and he elaborated to the whole class about, you know, why you wear a respirator. He went into some detail. I don't really recall all the details. But the takeavay from that was you about down you wear area respirator.</pre>	570	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 personnel escorted you through? A. Yes. Q. Do you remember who that would have been? A. There ware quite a few U.S. Steel personnels. Do you want actual names, or Q. If you remember any. A. There was a Bob Smith. He was a U.S. Steel union personnel with a lot of years and experience. There was an environmental engineer, Coleen Davis. I believe Mike Dzurinko came out with me once. I believe Jonelle Scheetz came out with me a few times. Q. But it seems as though Veolia employees are the ones that are escorting you now; is that correct? A. Correct. Q. At some point, U.S. Steel employees stopped escorting you through the facility? A. Correct. Q. Was there any particular reason why? A. I really don't understand why. I don't know if I ever did understand why. 	572
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 cold out, a lot of time, it freezes to my face and causes a lot of like, if I dich't have makeup on, I have a lot of skin damage from a frozen respirator on it. And the guy that walked up, he was quite concerned about my health and safety and said about wearing a respirator, and I thanked him very much. And then not long after that, I don't know how long after that, but Mike Dzurinko had me go into a safety training about wearing a respirator in a regulated area. Q. And what's your understanding as to why you wear a respirator in a regulated area? A. The man that was training, he actually said there is a lot of nasty stuff out there and I need to wear a respirator, and he elaborated to the whole class about, you know, why you wear a respirator. He went into some detail. I don't really recall all the details. But the takeaway from that was you should wear your mean "nasty" 	570	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 personnel escorted you through? A. Yes. Q. Do you remember who that would have been? A. There were quite a few U.S. Steel personnels. Do you want actual names, or Q. If you remember any. A. There was a Bob Smith. He was a U.S. Steel union personnel with a lot of years and experience. There was an environmental engineer, Coleen Davis. I believe Mike Dzurinko came out with me once. I believe Jonelle Scheetz came out with me a few times. Q. But it seems as though Veolia employees are the ones that are escorting you now; is that correct? A. Correct. Q. Mas there any particular reason why? A. I really don't understand why. I don't know if I ever did understand why. Q. Do you remember when that storped harpening? 	572
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 cold out, a lot of time, it freezes to my face and causes a lot of like, if I dich't have makeup on, I have a lot of skin damage from a frozen respirator on it. And the guy that walked up, he was quite concerned about my health and safety and said about wearing a respirator, and I thanked him very much. And then not long after that, I don't know how long after that, but Mike Dzurinko had me go into a safety training about wearing a respirator and why we wear a respirator in a regulated area. Q. And what's your understanding as to why you wear a respirator in a regulated area? A. The man that was training, he actually said there is a lot of nasty stuff out there and I need to wear a respirator, and he elaborated to the whole class about, you know, why you wear a respirator. He went into some detail. I don't really recall all the details. But the takeaway from that was you should wear your respirator. Q. You said "nasty stuff." What do you mean "nasty stuff"? 	570	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 personnel escorted you through? A. Yes. Q. Do you remember who that would have been? A. There were quite a few U.S. Steel personnels. Do you want actual names, or Q. If you remember any. A. There was a Bob Smith. He was a U.S. Steel union personnel with a lot of years and experience. There was an environmental engineer, Coleen Davis. I believe Mike Dzurinko came out with me once. I believe Jonelle Scheetz came out with me a few times. Q. But it seems as though Veolia employees are the ones that are escorting you now; is that correct? A. Correct. Q. At some point, U.S. Steel employees stopped escorting you through the facility? A. Correct. Q. Was there any particular reason why? A. I really don't understand why. I don't know if I ever did understand why. Q. Do you remember when that stopped happening? A. I want to say maybe about three. for years are 	572
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 cold out, a lot of time, it freezes to my face and causes a lot of like, if I didn't have makeup on, I have a lot of skin damage from a frozen respirator on it. And the guy that walked up, he was quite concerned about my health and safety and said about wearing a respirator, and I thanked him very much. And then not long after that, I don't know how long after that, but Mike Dzurinko had me go into a safety training about wearing a respirator and why we wear a respirator in a regulated area. Q. And what's your understanding as to why you wear a respirator in a regulated area? A. The man that was training, he actually said there is a lot of nasty stuff out there and I need to wear a respirator, and he elaborated to the whole class about, you know, why you wear a respirator. He went into some detail. I don't really recall all the details. But the takeaway from that was you should wear your respirator. Q. You said "nasty stuff." What do you mean "nasty stuff"? 	570	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 personnel escorted you through? A. Yes. Q. Do you remember who that would have been? A. There were quite a few U.S. Steel personnels. Do you want actual names, or Q. If you remember any. A. There was a Bob Smith. He was a U.S. Steel union personnel with a lot of years and experience. There was an environmental engineer, Coleen Davis. I believe Mike Dzurinko came out with me once. I believe Jonelle Scheetz came out with me a few times. Q. But it seems as though Veolia employees are the ones that are escorting you now; is that correct? A. Correct. Q. At some point, U.S. Steel employees stopped escorting you through the facility? A. Correct. Q. Was there any particular reason why? A. I really don't understand why. I don't know if I ever did understand why. Q. Do you remember when that stopped happening? A. I want to say maybe about three, four years ago. Q. Three, four years ago. Oftentimes. you will see 	572
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 cold out, a lot of time, it freezes to my face and causes a lot of like, if I dich't have makeup on, I have a lot of skin damage from a frozen respirator on it. And the guy that walked up, he was quite concerned about my health and safety and said about wearing a respirator, and I thanked him very much. And then not long after that, I don't know how long after that, but Mike Dzurinko had me go into a safety training about wearing a respirator and why we wear a respirator in a regulated area. Q. And what's your understanding as to why you wear a respirator in a regulated area? A. The man that was training, he actually said there is a lot of nasty stuff out there and I need to wear a respirator, and he elaborated to the whole class about, you know, why you wear a respirator. He went into some detail. I don't really recall all the details. But the takeaway from that was you should wear your respirator. Q. You said "nasty stuff." What do you mean "nasty stuff"? 	570	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 personnel escorted you through? A. Yes. Q. Do you remember who that would have been? A. There were quite a few U.S. Steel personnels. Do you want actual names, or Q. If you remember any. A. There was a Bob Smith. He was a U.S. Steel union personnel with a lot of years and experience. There was an environmental engineer, Coleen Davis. I believe Mike Dzurinko came out with me once. I believe Jonelle Scheetz came out with me a few times. Q. But it seems as though Veolia employees are the ones that are escorting you now; is that correct? A. Correct. Q. At some point, U.S. Steel employees stopped escorting you through the facility? A. Correct. Q. Was there any particular reason why? A. I really don't understand why. I don't know if I ever did understand why. Q. Do you remember when that stopped happening? A. I want to say maybe about three, four years ago. Q. Three, four years ago. Oftentimes, you will see an exceedance or you'll see a smoke event from one of 	572
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 cold out, a lot of time, it freezes to my face and causes a lot of like, if I didn't have makeup on, I have a lot of skin denage from a frozen respirator on it. And the guy that walked up, he was quite concerned about my health and safety and said about wearing a respirator, and I thanked him very much. And then not long after that, I don't know how long after that, but Mike Dzurinko had me go into a safety training about wearing a respirator and why we wear a respirator in a regulated area. Q. And what's your understanding as to why you wear a respirator in a regulated area? A. The man that was training, he actually said there is a lot of nasty stuff out there and I need to wear a respirator, and he elaborated to the whole class about, you know, why you wear a respirator. He went into some detail. I don't really recall all the details. But the takesway from that was you should wear your negarator. Q. You said "nasty stuff." What do you mean "nasty stuff"? A. He just said a lot of nasty stuff out there from the raw coke oven gases and being in a battery area. 	570	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 personnel escorted you through? A. Yes. Q. Do you remember who that would have been? A. There were quite a few U.S. Steel personnels. Do you want actual names, or Q. If you remember any. A. There was a Bob Smith. He was a U.S. Steel union personnel with a lot of years and experience. There was an environmental engineer, Coleen Davis. I believe Mike Dzurinko came out with me once. I believe Jonelle Scheetz came out with me a few times. Q. But it seems as though Veolia employees are the ones that are escorting you now; is that correct? A. Correct. Q. At some point, U.S. Steel employees stopped escorting you through the facility? A. Correct. Q. Was there any particular reason why? A. I really don't understand why. I don't know if I ever did understand why. Q. Do you remember when that stopped happening? A. I want to say maybe about three, four years ago. Q. Three, four years ago. Oftentimes, you will see an exceedance or you'll see a smoke event from one of the batteries. Do you convey that to the escort as 	572

		573			575
1	that's happening?		1	have been a while, but can you recall when the last time	
2	A. Yes.		2	it was that you interacted with Coleen Davis as an	
3	Q. Do you ever get confirmation with respect to what		3	escort?	
4	you are seeing from them?		4	A. It's been years.	
5	A. Yes.		5	Q. More than two?	
6	Q_{\ast} So when you say, "Hey" and correct me if I'm		6	A. Convect.	
7	wrong, but you will see something and you will say		7	Q. Now, you mentioned something about a drapery on	
8	something and they will confirm what you are seeing?		8	the shed. Are we talking about Battery B?	
9	A. Connect.		9	A. B Battery shed, connect.	
10	${\sf Q}.~$ Any time when they disagree with what you are	1	10	Q. What kind of drapery are we talking about?	
11	seeing?	1	11	A. I don't know what it was made out of, but it	
12	A. There has been a few times.	1	12	seemed to hang at the open area where the machine goes	
13	Q. When have you noticed the I'll withdraw	1	13	in and out under the shed and it seems that, like, any	
14	that question, sorry.	1	L4	time any emissions would come out of that area, that	
15	If you alerted the U.S. Steel employees about an	1	L5	curtain or that drapery would, like, deflect it and it	
16	issue that you saw with respect to any of the batteries	1	16	wouldn't come out of that area.	
17	and any of the emissions coming from those batteries,	1	17	But when it would start to deteriorate or fall	
18	did you find them to be proactive?	1	18	down, you would start seeing emissions coming out of	
19	A. Yes and no. Sometimes if I would mention it,	1	9	that area. And in talking to her, she would talk to	
20	they would respond. Like, if it was a push exceedance	2	20	someone; and a lot of times, they would have that fixed.	
21	that I wasn't able to record but I seen an event coming	2	21	Q. Is that drapery or curtain there now?	
22	from the push and I mantioned it to a manager, I don't	2	22	A. I haven't seen it in a long time.	
23	know what they do when I'm mentioning that, but then	2	23	${\sf Q}.~$ Do you remember the last time you saw that there?	
24	another one would happen and you would see a lot of	2	4	A. No, I do not.	
25	smoke but I wouldn't be able to record it. So I would	2	25	Q. Has it been a number of years?	
1	say no, they weren't.		1	A. Correct.	
2	Other times, I would; and yes, they would. They		2	Q. Can you describe this drapery, 'cause I'm having	
3	would maybe call over there and they would go down for		3	a hard time visualizing? Do you know what kind of	
4	an extended coking time. They wouldn't operate for		4	material it was? Was it plastic? Was it cloth? Was it	
5	maybe an hour or a few hours for a corrective action.		5	metal?	
6	${f Q}.$ Any particular employees you thought were		6	A. To me, it looked like it was some kind of heavy	
7	particularly proactive versus any other ones?		7	canvas, like flame-resistant canvas. I never touched	
8	A. I thought Colean Davis was very proactive.		8	it. I never got close enough to it. But it moved in	
9	Q. How so?		9	the wind.	
10	A. It just seemed like, you know, any time we had	1	0	You know, it wasn't like stationary and hard. It	
11	something to say as an inspector, she would react on it	1	1	kind of like, you know, flowed like it would be a heavy	
12	as quickly as possible. She would maybe want more	1	2	canvas or some kind of flame-resistant material.	
13	detail. An example would be if I had seen maybe a	1	3	Q. Can you give me an idea of how big it is?	
14	little bit of smoke coming off a battery, even though it	1	4	A. It was huge. It was the width of the shed, but	
15	wasn't an exceedance, she would want to know more detail	1	5	it didn't come all the way down the shed opening because	
16	about it so she could get it resolved as quickly as	1	6	there was machinery that moved in and out of there.	
17	possibly.	1	7	But that opening, if you would look at a garage	
18	One of the examples is they used to have like a	1	8	door or look at a door like this, it kind of, like, hung	
19	drapery down the one end of the shed and it was starting	1	9	over top of it all the way across the width of it but	
20	to deteriorate and move and fall down. And when a lot	2	0	not all the way the length, not all the way, you know,	
21	of emissions would come out of that area, she would want	2	1	up and down, just across it on the top part of it.	
22	to know about it so she could get that curtain fixed.	2:	2	${\sf Q}.$ Okay. From your observations of that drapery or	
23	And it seemed like it had gotten fixed in a short amount	23	3	curtain, did it look as though it was effectively	
24	of time.	2	4	keeping the emissions from going out from under the	
25	Q. Okay. When was the last time I know it may	2	5	shed?	

		577			579
1	A. It seemed like it, yes.		1	it was structurally connected, I guess it would expand	
2	Q. But since that's been gone, have you seen		2	and contract and it would break off maybe. I'm not an	
3	emissions caming out from under the shed?		3	engineer. But you could see the area of the shed coming	
4	A. Yes. And it's not under the shed, it's out the		4	to the battery on the coke side.	
5	side of the shed.		5	${\sf Q}. \ $ And the top of the shed, does that hang over top	
6	Q. Oh, okay. Could you describe I need a little		6	of the battery doors?	
7	bit better description of the shed. I mean, these		7	A. Connect, or part - the shed - if you look at	
8	batteries are not the size of a car garage; is that		8	the shed and it's connected to the coke side of the	
9	fair?		9	battery, everything from the doors up over the traction	
10	A. That's fair.		10	roll tracks over to the other side of the traction roll	
11	Q. About how big are these batteries in terms of		11	tracks. It covers all that.	
12	height?		12	Q. What's a traction roll track?	
13	A. Meters, three meters, maybe more.		13	A. Traction larry car sorry, hot car traction	
14	Q. Off the ground?		14	roll tracks, it's where the hot car moves up and down to	
15	A. Correct.		15	go and get quenched for the hot coke.	
16	Q. From the ground to the top?		16	${\bf Q}.~$ And so just so I'm clear, just as in terms of the	
17	A. Correct.		17	process, the coke is pushed out into a rail car?	
18	${\sf Q}.$ Okay. And the shed, could you describe how the		18	A. Correct.	
19	shed is connected to the battery?		19	Q. That's on a rail like a train rail?	
20	A. It's higher than the battery. It's the length of		20	A. Connect.	
21	the battery. I would say wider than this room and much		21	${\sf Q}.~$ And then that car is pushed out to the quench	
22	longer than this room, several football fields long.		22	tower, correct?	
23	I'm not real good at length when it comes to that.		23	A. Correct.	
24	$Q.\ $ Well, a football field is about 100 yards from		24	${\sf Q}.\ $ Where water is dropped on top of the hot coke to	
25	field goal to field goal.		25	cool the coke to quench the coke?	
1	 A. Yesh. I would say maybe a football field. O. Okav. 	578	1	 A. To quench the coke. O. You mentioned seeing emissions coming out of the 	580
1 2 3	 A. Yeah. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's 	578	1 2 3	 A. To quench the coke. Q. You mentioned seeing emissions coming out of the side of the shed. Have you ever seen emissions coming 	580
1 2 3 4	 A. Yeah. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. 	578	1 2 3 4	 A. To quench the coke. Q. You mentioned seeing emissions caming out of the side of the shed. Have you ever seen emissions caming up fram the top of the shed? 	580
1 2 3 4 5	 A. Yeah. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or 	578	1 2 3 4 5	 A. To quench the coke. Q. You mentioned seeing emissions caming out of the side of the shed. Have you ever seen emissions caming up from the top of the shed? A. Yes. 	580
1 2 3 4 5 6	 A. Yeeh. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? 	578	1 2 3 4 5 6	 A. To quench the coke. Q. You mentioned seeing emissions caming out of the side of the shed. Have you ever seen emissions caming up from the top of the shed? A. Yes. Q. From the battery doors? 	580
1 2 3 4 5 6 7	 A. Yeah. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? A. It's angled. 	578	1 2 3 4 5 6 7	 A. To quench the coke. Q. You mentioned seeing emissions coming out of the side of the shed. Have you ever seen emissions coming up from the top of the shed? A. Yes. Q. From the battery doors? A. You would see emissions closest to the doors on 	580
1 2 3 4 5 6 7 8	 A. Yeah. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? A. It's angled. Q. It's angled. Does the shed wall connect to the 	578	1 2 3 4 5 6 7 8	 A. To quench the coke. Q. You mentioned seeing emissions caming out of the side of the shed. Have you ever seen emissions caming up from the top of the shed? A. Yes. Q. From the battery doors? A. You would see emissions closest to the doors on that part of the shed. I imagine if there's enough of 	580
1 2 3 4 5 6 7 8 9	 A. Yeeh. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? A. It's angled. Q. It's angled. Does the shed wall connect to the ground on the side? 	578	1 2 3 4 5 6 7 8 9	 A. To quench the coke. Q. You mentioned seeing emissions coming out of the side of the shed. Have you ever seen emissions coming up from the top of the shed? A. Yes. Q. From the battery doors? A. You would see emissions closest to the doors on that part of the shed. I imagine if there's enough of it, it would travel all the way to the top of the shed; 	580
1 2 3 4 5 6 7 8 9	 A. Yeah. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? A. It's angled. Q. It's angled. Does the shed wall connect to the ground on the side? A. It's up off the ground. There's openings from 	578	1 2 3 4 5 6 7 8 9	 A. To quanch the coke. Q. You mentioned seeing emissions coming out of the side of the shed. Have you ever seen emissions coming up from the top of the shed? A. Yes. Q. From the battery doors? A. You would see emissions closest to the doors on that part of the shed. I imagine if there's enough of it, it would travel all the way to the top of the shed; but you see more of it closest to where the doors are 	580
1 2 3 4 5 6 7 8 9 10	 A. Yeeh. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? A. It's angled. Q. It's angled. Does the shed wall connect to the ground on the side? A. It's up off the ground. There's openings from the ground on the coke side and then the push the 	578	1 2 3 4 5 6 7 8 9 10	 A. To quench the coke. Q. You mentioned seeing emissions caming out of the side of the shed. Have you ever seen emissions caming up fram the top of the shed? A. Yes. Q. Fram the battery doors? A. You would see emissions closest to the doors on that part of the shed. I imagine if there's enough of it, it would travel all the way to the top of the shed; but you see more of it closest to where the doors are where the shed area is. 	580
1 2 3 4 5 6 7 8 9 10 11 12	 A. Yeeh. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? A. It's angled. Q. It's angled. Does the shed wall connect to the ground on the side? A. It's up off the ground. There's openings from the ground on the coke side and then the push the side closest to the battery kind of connects to the 	578	1 2 3 4 5 6 7 8 9 10 11 12	 A. To quench the coke. Q. You mentioned seeing emissions coming out of the side of the shed. Have you ever seen emissions coming up from the top of the shed? A. Yes. Q. From the battery doors? A. You would see emissions closest to the doors on that part of the shed. I imagine if there's enough of it, it would travel all the way to the top of the shed; but you see more of it closest to where the shed area is. Q. And what's the characteristic of the emissions 	580
1 2 3 4 5 6 7 8 9 10 11 12 13	 A. Yeah. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? A. It's angled. Q. It's angled. Does the shed wall connect to the ground on the side? A. It's up off the ground. There's openings from the ground on the coke side and then the push the side closest to the battery kind of connects to the battery and then it angles up and over and back down to 	578	1 2 3 4 5 6 7 8 9 10 11 12 13	 A. To quench the coke. Q. You mentioned seeing emissions coming out of the side of the shed. Have you ever seen emissions coming up from the top of the shed? A. Yes. Q. From the battery doors? A. You would see emissions closest to the doors on that part of the shed. I imagine if there's enough of it, it would travel all the way to the top of the shed; but you see more of it closest to where the doors are where the shed area is. Q. And what's the characteristic of the emissions that you're seeing? Is it puffy, slow smoke? Is it 	580
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 A. Yeeh. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? A. It's angled. Q. It's angled. Does the shed wall connect to the ground on the side? A. It's up off the ground. There's openings from the ground on the coke side and then the push the side closest to the battery kind of connects to the battery and then it angles up and over and back down to the ground. And then, like, if you're standing at one 	578	1 2 3 4 5 6 7 8 9 10 11 12 13 14	 A. To quench the coke. Q. You mentioned seeing emissions coming out of the side of the shed. Have you ever seen emissions coming up from the top of the shed? A. Yes. Q. From the battery doors? A. You would see emissions closest to the doors on that part of the shed. I imagine if there's enough of it, it would travel all the way to the top of the shed; but you see more of it closest to where the doors are where the shed area is. Q. And what's the characteristic of the emissions that you're seeing? Is it puffy, slow smoke? Is it pushed up quickly? What is it white smoke, black 	580
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 A. Yeeh. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? A. It's angled. Q. It's angled. Does the shed wall connect to the ground on the side? A. It's up off the ground. There's openings from the ground on the coke side and then the push the side closest to the battery kind of connects to the battery and then it angles up and over and back down to the ground. And then, like, if you're standing at one end, you can see all the way through to the other end. 	578	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 A. To quench the coke. Q. You mentioned seeing emissions coming out of the side of the shed. Have you ever seen emissions coming up from the top of the shed? A. Yes. Q. From the battery doors? A. You would see emissions closest to the doors on that part of the shed. I imagine if there's enough of it, it would travel all the way to the top of the shed; but you see more of it closest to where the shed area is. Q. And what's the characteristic of the emissions that you're seeing? Is it puffy, slow smoke? Is it pushed up quickly? What is it white smoke, black smoke? What are the characteristics? 	580
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 A. Yeeh. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? A. It's angled. Q. It's angled. Does the shed wall connect to the ground on the side? A. It's up off the ground. There's openings from the ground on the coke side and then the push the side closest to the battery kind of connects to the battery and then it angles up and over and back down to the ground. And then, like, if you're standing at one end, you can see all the way through to the other end. Q. And at the top of the shed, is that connected to 	578	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 A. To quench the coke. Q. You mentioned seeing emissions coming out of the side of the shed. Have you ever seen emissions coming up from the top of the shed? A. Yes. Q. From the battery doors? A. You would see emissions closest to the doors on that part of the shed. I imagine if there's enough of it, it would travel all the way to the top of the shed; but you see more of it closest to where the doors are where the shed area is. Q. And what's the characteristic of the emissions that you're seeing? Is it puffy, slow smoke? Is it pushed up quickly? What is it white smoke, black smoke? What are the characteristics? A. It's a dark yellow, and it doesn't look like it 	580
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 A. Yeeh. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? A. It's angled. Q. It's angled. Does the shed wall connect to the ground on the side? A. It's up off the ground. There's openings from the ground on the coke side and then the push the side closest to the battery kind of connects to the battery and then it angles up and over and back down to the ground. And then, like, if you're standing at one end, you can see all the way through to the other end. Q. And at the top of the shed, is that connected to the topside of the battery? 	578	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 A. To quench the coke. Q. You mentioned seeing emissions coming out of the side of the shed. Have you ever seen emissions coming up from the top of the shed? A. Yes. Q. From the battery doors? A. You would see emissions closest to the doors on that part of the shed. I imagine if there's enough of it, it would travel all the way to the top of the shed; but you see more of it closest to where the doors are where the shed area is. Q. And what's the characteristic of the emissions that you're seeing? Is it puffy, slow smoke? Is it pushed up quickly? What is it white smoke, black smoke? What are the characteristics? A. It's a dark yellow, and it doesn't look like it has like a lot of force when it's coming up and it's 	580
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. Yeeh. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? A. It's angled. Q. It's angled. Does the shed wall connect to the ground on the side? A. It's up off the ground. There's openings from the ground on the coke side and then the push the side closest to the battery kind of connects to the battery and then it angles up and over and back down to the ground. And then, like, if you're standing at one end, you can see all the way through to the other end. Q. And at the top of the shed, is that connected to the topside of the battery? 	578	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. To quench the coke. Q. You mentioned seeing emissions coming out of the side of the shed. Have you ever seen emissions coming up from the top of the shed? A. Yes. Q. From the battery doors? A. You would see emissions closest to the doors on that part of the shed. I imagine if there's enough of it, it would travel all the way to the top of the shed; but you see more of it closest to where the doors are where the shed area is. Q. And what's the characteristic of the emissions that you're seeing? Is it puffy, slow smoke? Is it pushed up quickly? What is it white smoke, black smoke? What are the characteristics? A. It's a dark yellow, and it doesn't look like it has like a lot of force when it's coming up and it's isolated to an area. 	580
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 A. Yeeh. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? A. It's angled. Q. It's angled. Does the shed wall connect to the ground on the side? A. It's up off the ground. There's openings from the ground on the coke side and then the push the side closest to the battery kind of connects to the battery and then it angles up and over and back down to the ground. And then, like, if you're standing at one end, you can see all the way through to the other end. Q. And at the top of the shed, is that connected to the topside of the battery? A. The side of the part of the side of the shed would be connected to the battery or closest to the 	578	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 A. To quench the coke. Q. You mentioned seeing emissions coming out of the side of the shed. Have you ever seen emissions coming up from the top of the shed? A. Yes. Q. From the battery doors? A. You would see emissions closest to the doors on that part of the shed. I imagine if there's enough of it, it would travel all the way to the top of the shed; but you see more of it closest to where the doors are where the shed area is. Q. And what's the characteristic of the emissions that you're seeing? Is it puffy, slow smoke? Is it pushed up quickly? What is it white smoke, black snoke? What are the characteristics? A. It's a dark yellow, and it doesn't look like it is slike a lot of force when it's coming up and it's isolated to an area. Mat in that area, if they were pushing in a 	580
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 A. Yeeh. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? A. It's angled. Q. It's angled. Does the shed wall connect to the ground on the side? A. It's up off the ground. There's openings from the ground on the coke side and then the push the side closest to the battery kind of connects to the battery and then it angles up and over and back down to the ground. And then, like, if you're standing at one end, you can see all the way through to the other end. Q. And at the top of the shed, is that connected to the topside of the battery or closest to the battery with I know there's, like, expansion gaps 	578	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 A. To quench the coke. Q. You mentioned seeing emissions coming out of the side of the shed. Have you ever seen emissions coming up from the top of the shed? A. Yes. Q. From the battery doors? A. You would see emissions closest to the doors on that part of the shed. I imagine if there's enough of it, it would travel all the way to the top of the shed? but you see more of it closest to where the doors are where the shed area is. Q. And what's the characteristic of the emissions that you're seeing? Is it puffy, slow smoke? Is it pushed up quickly? What is it white smoke, black smoke? What are the characteristics? A. It's a dark yellow, and it doesn't look like it has like a lot of force when it's coming up and it's isolated to an area. M. In that area, if they were pushing in a certain area, you would kind of see it in that area; or 	580
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 A. Yeeh. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? A. It's angled. Q. It's angled. Does the shed wall connect to the ground on the side? A. It's up off the ground. There's openings from the ground on the coke side and then the push the side closest to the battery kind of connects to the battery and then it angles up and over and back down to the ground. And then, like, if you're standing at one end, you can see all the way through to the other end. Q. And at the top of the shed, is that connected to the topside of the battery or closest to the battery with I know there's, like, expansion gaps that you can actually, like, have it, like, all the way 	578	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 A. To quench the coke. Q. You mentioned seeing emissions coming out of the side of the shed. Have you ever seen emissions coming up from the top of the shed? A. Yes. Q. From the battery doors? A. You would see emissions closest to the doors on that part of the shed. I imagine if there's enough of it, it would travel all the way to the top of the shed; but you see more of it closest to where the doors are where the shed area is. Q. And what's the characteristic of the emissions that you're seeing? Is it puffy, slow smoke? Is it pushed up quickly? What is it white smoke, black smoke? What are the characteristics? A. It's a dark yellow, and it doesn't look like it has like a lot of force when it's coming up and it's isolated to an area. Mod in that area, if they were pushing in a certain area, you would kind of see it in that area; or if they were charging in that area, you would kind of 	580
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 22	 A. Yeah. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? A. It's angled. Q. It's angled. Does the shed wall connect to the ground on the side? A. It's up off the ground. There's openings from the ground on the coke side and then the push the side closest to the battery kind of connects to the battery and then it angles up and over and back down to the ground. And then, like, if you're standing at one end, you can see all the way through to the other end. Q. And at the top of the shed, is that connected to the topside of the battery or closest to the battery with - I know there's, like, expension gaps that you can actually, like, have it, like, all the way to the battery. 	578	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 A. To quench the coke. Q. You mentioned seeing emissions coming out of the side of the shed. Have you ever seen emissions coming up from the top of the shed? A. Yes. Q. From the battery doors? A. You would see emissions closest to the doors on that part of the shed. I imagine if there's enough of it, it would travel all the way to the top of the shed; but you see more of it closest to where the doors are where the shed area is. Q. And what's the characteristic of the emissions that you're seeing? Is it puffy, slow smoke? Is it pushed up quickly? What is it white smoke, black smoke? What are the characteristics? A. It's a dark yellow, and it doesn't look like it has like a lot of force when it's coming up and it's isolated to an area. Med in that area, if they were pushing in a fortain area, you would kind of see it in that area; or if they were charging in that area, you would kind of the 	580
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 A. Yeeh. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? A. It's angled. Q. It's angled. Does the shed wall connect to the ground on the side? A. It's up off the ground. There's openings from the ground on the coke side and then the push the side closest to the battery kind of connects to the battery and then it angles up and over and back down to the ground. And then, like, if you're standing at one end, you can see all the way through to the other end. Q. And at the top of the shed, is that connected to the topside of the battery or closest to the battery with I know there's, like, expansion gaps that you can actually, like, have it, like, all the way to the battery. 	578	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 A. To quench the coke. Q. You mentioned seeing emissions coming out of the side of the shed. Have you ever seen emissions coming up from the top of the shed? A. Yes. Q. From the battery doors? A. You would see emissions closest to the doors on that part of the shed. I imagine if there's enough of it, it would travel all the way to the top of the shed; but you see more of it closest to where the doors are where the shed area is. Q. And what's the characteristic of the emissions that you're seeing? Is it puffy, slow smoke? Is it pushed up quickly? What is it white smoke, black smoke? What are the characteristics? A. It's a dark yellow, and it doesn't look like it has like a lot of force when it's coming up and it's isolated to an area. Mn in that area, if they were pushing in a fortain area, you would kind of see it in that area; or if they were charging in that area, you would kind of see it in that area; or if they were charging in that area, you would kind of see it in that area but not necessarily all of the areas, because all of the areas don't have holes in the bareas. 	580
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 A. Yeeh. I would say maybe a football field. Q. Okay. A. And the shed is much bigger than it because it's a lot higher than it from the ground up. Q. Is the shed on an angle in terms of the roof or is it a flat roof? A. It's angled. Q. It's angled. Does the shed wall connect to the ground on the side? A. It's up off the ground. There's openings from the ground on the coke side and then the push the side closest to the battery kind of connects to the battery and then it angles up and over and back down to the ground. And then, like, if you're standing at ore end, you can see all the way through to the other end. Q. And at the top of the shed, is that connected to the topside of the battery or closest to the battery with I know there's, like, expansion gaps that you can actually, like, have it, like, all the way to the battery, I know they, like, cover it up with material. 	578	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 A. To quench the coke. Q. You mentioned seeing emissions coming out of the side of the shed. Have you ever seen emissions coming up from the top of the shed? A. Yes. Q. From the battery doors? A. You would see emissions closest to the doors on that part of the shed. I imagine if there's enough of it, it would travel all the way to the top of the shed; but you see more of it closest to where the doors are where the shed area is. Q. And what's the characteristic of the emissions that you're seeing? Is it puffy, slow smoke? Is it pushed up quickly? What is it white smoke, black smoke? What are the characteristics? A. It's a dark yellow, and it doesn't look like it has like a lot of force when it's coming up and it's isolated to an area. Mod in that area, if they were pushing in a fortain area, you would kind of see it in that area; or if they were changing in that area, you would kind of see it in that area, if they were pushing in a fortain area but not necessarily all of the areas, because all of the areas don't have holes in the shed, just certain areas have holes in the shed. 	580

		C 0 1			500
1	halos on the tenside?	186	1	reint?	283
	notes on the topside?				
2	A. Yean. If you're looking at the shed and it's			A. IOU can.	
	connected to the costs side of the battery and you look			Q. Okay. Could you explain to me what a flue cap is	
4	benund the standpupes, closest to the standpupe, closest		4	A This a here used for a crea that has more fluer	
3	to the doors, you will see emissions coming up from		5	A. It's a term used for an area that has many rives	
6	those areas because the standpipe — which right below		6	to heat an oven, and a flue cap - it's the term used to	
	those standpupes, the doors are on the coke side.			heat an oven. A flue, it's a part of the battery.	
8	Q. Okay. Does the shed have any access doors or		8	They have a series of flues that heat each oven,	
9	routes from the underside to the exterior?		9	and each oven has a series of flues on each side of the	
10	A. Okay. If you're on the coke side of the shed and		10	oven. And the adjacent flues heat the adjacent ovens,	
11	you look up at the shed, there are two access doors with		11	so on and so forth. So the flue cap is what covers the	
12	steps going up to them. They look like man doors, you		12	flue.	
13	know, personnel can go in and out of those doors.		13	${\sf Q}.$ Okay. Have you ever seen flue caps open during	
14	${\sf Q}.~$ And would that door lead you to the topside of		14	an emissions event?	
15	the battery?		15	A. I've seen emissions coming out of them, the open	
16	A. I don't know where those doors go, honestly.		16	flue cap, yes.	
17	I've never been through those doors.		17	${\sf Q}.$ You typically would not see emissions coming out	
18	Q. Have you ever seen those doors open?		18	of a flue cap when it's closed?	
19	A. Yes.		19	A. I've seen emissions coming out of a flue cap when	
20	${\sf Q}.$ Have you ever seen those doors open during an		20	it's closed.	
21	emissions event?		21	${f Q}.$ Oh, okay. Have you ever asked anybody about why	
22	A. Yes.		22	there are emissions coming out of a closed flue cap?	
23	Q. You've seen many coke pushes throughout your time		23	A. Yes.	
24	at U.S. Steel Clairton Works, correct?		24	Q. What was your understanding as to why?	
25	A. Yes.	- 1.13	25	A. They didn't know.	
-					
			11		
	0	582			584
1	Q. Have you seen any pushes without exceedances?	582	1	Q. They didn't know?	584
1 2	Q. Have you seen any pushes without exceedances? A. Yes.	582	1 2	Q. They didn't know? A. No.	584
1 2 3	Q. Have you seen any pushes without exceedances?A. Yes.Q. Your understanding of how the coke battery	582	1 2 3	<pre>Q. They didn't know? A. No. Q. How many times have you asked about that?</pre>	584
1 2 3 4	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that 	582	1 2 3 4	 Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. 	584
1 2 3 4 5	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? 	582	1 2 3 4 5	 Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? 	584
1 2 3 4 5 6	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Coked cut pushed. 	582	1 2 3 4 5 6	 Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. 	584
1 2 3 4 5 6 7	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Coked out pushed. Q. What does coked out mean? 	582	1 2 3 4 5 6 7	 Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. Q. U.S. Steel personnel? 	584
1 2 3 4 5 6 7 8	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Coked out pushed. Q. What does coked out mean? A. No more burning off of the coke. It's left with 	582	1 2 3 4 5 6 7 8	 Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. Q. U.S. Steel personnel? A. Yes. 	584
1 2 3 4 5 6 7 8 9	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Coked out pushed. Q. What does coked out mean? A. No more burning off of the coke. It's left with the carbon as the byproduct or as the waste product. 	582	1 2 3 4 5 6 7 8 9	<pre>Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. Q. U.S. Steel personnel? A. Yes. Q. Veolia personnel?</pre>	584
1 2 3 4 5 6 7 8 9 10	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Coked out pushed. Q. What does coked out mean? A. No more burning off of the coke. It's left with the cation as the byproduct or as the waste product. Q. So if something if the doors were open prior 	582	1 2 3 4 5 6 7 8 9 10	<pre>Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. Q. U.S. Steel personnel? A. Yes. Q. Veolia personnel? A. Yes.</pre>	584
1 2 3 4 5 6 7 8 9 10 11	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Coked out pushed. Q. What does coked out mean? A. No more burning off of the coke. It's left with the carbon as the byproduct or as the waste product. Q. So if something if the doors were open prior to the coke or coal at that point still not being 	582	1 2 3 4 5 6 7 8 9 10 11	<pre>Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. Q. U.S. Steel personnel? A. Yes. Q. Veolia personnel? A. Yes. Q. And nobody knew?</pre>	584
1 2 3 4 5 6 7 8 9 10 11 12	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Coked out pushed. Q. What does coked out mean? A. No more burning off of the coke. It's left with the cachen as the byproduct or as the waste product. Q. So if something if the doors were open prior to the coke or coal at that point still not being fully coked out, as you say, would you anticipate to see 	582	1 2 3 4 5 6 7 8 9 10 11 12	 Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. Q. U.S. Steel personnel? A. Yes. Q. Veolia personnel? A. Yes. Q. And nobody knew? A. They didn't have an answer at that time. 	584
1 2 3 4 5 6 7 8 9 10 11 12 13	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Coked out pushed. Q. What does coked out mean? A. No more burning off of the coke. It's left with the cation as the byproduct or as the waste product. Q. So if something if the doors were open prior to the coke or coal at that point still not being fully coked out, as you say, would you anticipate to see emissions from that? 	582	1 2 3 4 5 6 7 8 9 10 11 12 13	 Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. Q. U.S. Steel personnel? A. Yes. Q. Veolia personnel? A. Yes. Q. And nobody knew? A. They didn't have an answer at that time. Q. Have you had occasion to discuss the maintenance 	584
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Coked cut pushed. Q. What does coked out mean? A. No more burning off of the coke. It's left with the cation as the byproduct or as the waste product. Q. So if something if the doors were open prior to the coke or coal at that point still not being fully coked out, as you say, would you anticipate to see emissions from that? A. I don't anticipate it 'cause I wouldn't know it 	582	1 2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. Q. U.S. Steel personnel? A. Yes. Q. Veolia personnel? A. Yes. Q. And nobody knew? A. They didn't have an answer at that time. Q. Have you had occasion to discuss the maintenance and operation with any of the employees of U.S. Steel 	584
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Coked out pushed. Q. What does coked out mean? A. No more burning off of the coke. It's left with the carbon as the byproduct or as the waste product. Q. So if something if the doors were open prior to the coke or coal at that point still not being fully coked out, as you say, would you anticipate to see emissions from that? A. I don't anticipate it 'cause I wouldn't know it wasn't coked out until I seen the emissions. And then 	582	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. Q. U.S. Steel personnel? A. Yes. Q. Veolia personnel? A. Yes. Q. And nobody knew? A. They didn't have an answer at that time. Q. Have you had occasion to discuss the maintenance and operation with any of the employees of U.S. Steel with respect to Clairton Coke Works? 	584
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Coked out pushed. Q. What does coked out mean? A. No more burning off of the coke. It's left with the cachen as the byproduct or as the waste product. Q. So if something if the doors were open prior to the coke or coal at that point still not being fully coked out, as you say, would you anticipate to see emissions from that? A. I don't anticipate it 'cause I wouldn't know it wasn't coked out until I seen the emissions. And then if I was able to look down at the larry car and I see it 	582	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. Q. U.S. Steel personnel? A. Yes. Q. Veolia personnel? A. Yes. Q. And nobody knew? A. They didn't have an answer at that time. Q. Have you had occasion to discuss the maintenance and operation with any of the employees of U.S. Steel with respect to Clairton Coke Works? A. Operation and maintenance? 	584
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Ooked out pushed. Q. What does coked out mean? A. No more burning off of the coke. It's left with the carbon as the byproduct or as the waste product. Q. So if something if the doors were open prior to the coke or coal at that point still not being fully coked out, as you say, would you anticipate to see emissions from that? A. I don't anticipate it 'cause I wouldn't know it wasn't coked out until I seen the emissions. And then if I was able to look down at the larry car and I see it is still burning or smoldering or black, but I wouldn't 	582	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. Q. U.S. Steel personnel? A. Yes. Q. Veolia personnel? A. Yes. Q. And nobody knew? A. They didn't have an answer at that time. Q. Have you had occasion to discuss the maintenance and operation with any of the employees of U.S. Steel with respect to Clairton Coke Works? A. Operation and maintenance? Q. Yes. 	584
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Coked out pushed. Q. What does coked out mean? A. No more burning off of the coke. It's left with the carbon as the byproduct or as the waste product. Q. So if something if the doors were open prior to the coke or coal at that point still not being fully coked out, as you say, would you anticipate to see emissions from that? A. I don't anticipate it 'cause I wouldn't know it wasn't coked out until I seen the emissions. And then if I was able to look down at the larry car and I see it is still burning or smoldering or black, but I wouldn't anticipate it being out or seeing an exceedence. I 	582	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. Q. U.S. Steel personnel? A. Yees. Q. Veolia personnel? A. Yees. Q. And nobody knew? A. They didn't have an answer at that time. Q. Have you had occasion to discuss the maintenance and operation with any of the employees of U.S. Steel with respect to Clairton Coke Works? A. Operation and maintenance? Q. Yes. A. Yee. 	584
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Coked out pushed. Q. What does coked out mean? A. No more burning off of the coke. It's left with the cachen as the byproduct or as the waste product. Q. So if something if the doors were open prior to the coke or coal at that point still not being fully coked out, as you say, would you anticipate to see emissions from that? A. I don't anticipate it 'cause I wouldn't know it wasn't coked out until I seen the emissions. And then if I was able to look down at the larry car and I see it is still burning or smoldering or black, but I wouldn't anticipate it being out or seeing an exceedance. I mean 	582	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. Q. U.S. Steel personnel? A. Yes. Q. Veolia personnel? A. Yes. Q. And nobody knew? A. They didn't have an answer at that time. Q. Have you had occasion to discuss the maintenance and operation with any of the employees of U.S. Steel with respect to Clairton Coke Works? A. Operation and maintenance? Q. Yes. A. Yee. Q. Have you witnessed maintenance of the facility?	584
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Coked out pushed. Q. What does coked out mean? A. No more burning off of the coke. It's left with the carbon as the byproduct or as the waste product. Q. So if something if the doors were open prior to the coke or coal at that point still not being fully coked out, as you say, would you anticipate to see emissions from that? A. I don't anticipate it 'cause I wouldn't know it wasn't coked out until I seen the emissions. And then if I was able to look down at the larry car and I see it is still burning or smoldering or black, but I wouldn't anticipate it being out or seeing an exceedance. I mean Q. So let's say there's you've seen coke pushes 	582	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. Q. U.S. Steel personnel? A. Yes. Q. Veolia personnel? A. Yes. Q. And nobody knew? A. They didn't have an answer at that time. Q. Have you had occasion to discuss the maintenance and operation with any of the employees of U.S. Steel with respect to Clairton Coke Works? A. Yes. 	584
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Ooked out pushed. Q. What does coked out mean? A. No more burning off of the coke. It's left with the carbon as the byproduct or as the waste product. Q. So if something if the doors were open prior to the coke or coal at that point still not being fully coked out, as you say, would you anticipate to see emissions from that? A. I don't anticipate it 'cause I wouldn't know it wasn't coked out until I seen the emissions. And then if I was able to look down at the larry car and I see it is still burning or smoldering or black, but I wouldn't anticipate it being out or seeing an exceedance. I mean Q. So let's say there's you've seen coke pushes that have occurred after a coking time of less than 18 	582	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. Q. U.S. Steel personnel? A. Yes. Q. Veolia personnel? A. Yes. Q. And nobody knew? A. They didn't have an answer at that time. Q. Have you had occasion to discuss the maintenance and operation with any of the employees of U.S. Steel with respect to Clairton Coke Works? A. Yes. A. Yee. Q. Yes. A. Yee. Q. Have you witnessed maintenance of the facility? A. Yee. Q. In terms of the coke batteries?	584
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Coked out pushed. Q. What does coked out mean? A. No more burning off of the coke. It's left with the carbon as the byproduct or as the waste product. Q. So if something if the doors were open prior to the coke or coal at that point still not being fully coked out, as you say, would you anticipate to see emissions from that? A. I don't anticipate it 'cause I wouldn't know it wasn't coked out until I seen the emissions. And then if I was able to look down at the larry car and I see it is still burning or smoldering or black, but I wouldn't anticipate it being out or seeing an exceedance. I mean Q. So let's say there's you've seen coke pushes that have occurred after a coking time of less than 18 hours? 	582	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. Q. U.S. Steel personnel? A. Yes. Q. Veolia personnel? A. Yes. Q. And nobody knew? A. They didn't have an answer at that time. Q. Have you had occasion to discuss the maintenance and operation with any of the employees of U.S. Steel. with respect to Clairton Coke Works? A. Yes. Q. Have you witnessed maintenance of the facility? A. Yes. Q. In terms of the coke batteries? A. Yes. 	584
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Coked out pushed. Q. What does coked out mean? A. No more burning off of the coke. It's left with the centon as the byproduct or as the waste product. Q. So if something if the doors were open prior to the coke or coal at that point still not being fully coked out, as you say, would you anticipate to see emissions from that? A. I don't anticipate it 'cause I wouldn't know it wasn't coked out until I seen the emissions. And then if I was able to look down at the larry car and I see it is still burning or smoldering or black, but I wouldn't anticipate it being out or seeing an exceedance. I mean Q. So let's say there's you've seen coke pushes that have occurred after a coking time of less than 18 hours? A. Correct. 	582	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. Q. U.S. Steel personnel? A. Yes. Q. Veolia personnel? A. Yes. Q. And nobody knew? A. They didn't have an answer at that time. Q. Have you had occasion to discuss the maintenance and operation with any of the employees of U.S. Steel with respect to Clairton Coke Works? A. Yes. Q. Yes. A. Yes. Q. Have you witnessed maintenance of the facility? A. Yes. Q. In terms of the coke batteries? A. Yes. Q. And you've been doing this since 2008, is that 	584
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Q. Have you seen any pushes without exceedances? A. Yes. Q. Your understanding of how the coke battery operates, what are the conditions which would allow that to happen, for a push to occur without any emissions? A. Coked out pushed. Q. What does coked out mean? A. No more burning off of the coke. It's left with the carbon as the byproduct or as the waste product. Q. So if something if the doors were open prior to the coke or coal at that point still not being fully coked out, as you say, would you anticipate to see emissions from that? A. I don't anticipate it 'cause I wouldn't know it wasn't coked out until I seen the emissions. And then if I was able to look down at the larry car and I see it is still burning or smoldering or black, but I wouldn't anticipate it being out or seeing an exceedance. I mean Q. So let's say there's you've seen coke pushes that have occurred after a coking time of less than 18 hours? A. Correct. Q. And the coke door is opened and the coke is 	582	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Q. They didn't know? A. No. Q. How many times have you asked about that? A. A few times. Q. Different personnel? A. Correct. Q. U.S. Steel personnel? A. Yes. Q. Veolia personnel? A. Yes. Q. And nobody knew? A. They didn't have an answer at that time. Q. Have you had occasion to discuss the maintenance and operation with any of the employees of U.S. Steel with respect to Clairton Coke Works? A. Yes. Q. Yes. A. Yes. Q. Have you witnessed maintenance of the facility? A. Yes. Q. In terms of the coke batteries? A. Yes. Q. And you've been doing this since 2008, is that correct, at Clairton Coke Works, your inspections? 	584

1		585			587
1	${f Q}.$ Which is to say that prior to the county, you		1	activity?	
2	were doing inspections at Clairton Coke Works for		2	A. A little bit more, yes.	
3	samebody else?		3	Q. You're referring to the door shop? There's like	
4	A. Yes.		4	a specific shop for	
5	Q. Who would that have been?		5	A. Connect.	
6	A. US Filter, Veolia.		6	Q the repair of doors?	
7	${\sf Q}.$ Veolia. How long were you doing those		7	A. Correct.	
8	inspections for Veolia?		8	${\sf Q}.$ Have you seen the new doors being brought in or	
9	HEARING OFFICER SLATER: Are US Filter and Veolia		9	have you ever been down to the door shop to see how they	
10	the same company?		10	do the door repairs or if new doors are being purchased?	
11	MS. CROWLEY: Yeah, they changed names over my		11	A. I've never been into the shop. I ride past the	
12	career,		12	shop and I see more activity now down there. And when	
13	HEARING OFFICER SLATER: Okay. So they used to		13	they are near the batteries and they change out doors,	
14	be US Filter and now they are Veolia?		14	I'm seeing a little bit more of that again.	
15	MS. CROWLEY: They were US Filter, Vivendi, then		15	$Q.\ $ Okay. Now, I accept that there are quite a	
16	Veolia Water North America, then I believe they are		16	number of employees at U.S. Steel and you are not really	
17	Veolia now. I think that's how it went.		17	in the best position to do head counts down there; but	
18	HEARING OFFICER SLATER: Okay, I just wanted to		18	as a general proposition, would you say that there are	
19	clarify. Thank you.		19	more or less more or fewer employees at U.S. Steel	
20	BY MR. WILLIS:		20	from the date you started your inspections until now?	
21	${\sf Q}.~$ So you have been inspecting U.S. Steel for close		21	Are there fewer employees or more employees now?	
22	to 20 years?		22	A. I wouldn't even know how to answer that,	
23	A. Correct.		23	hanestly.	
24	${\sf Q}.$ And with respect to that 20 years of exposure and		24	Q. Have you ever noticed any fluctuations?	
25	having discussed and witnessed the maintenance at the		25	A. I noticed recently that they are hiring a lot of	
1	facility over that time, what's your assessment as in	586	1	new employees.	588
1	facility over that time, what's your assessment as in	586	1	new employees. O. And by "recently." when, what timeframe?	588
1 2 3	facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have	586	1 2 3	Dew employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It	588
1 2 3 4	facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less?	586	1 2 3 4	new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It	588
1 2 3 4 5	facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I	586	1 2 3 4 5	new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009. did you right around the time	588
1 2 3 4 5 6	<pre>facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I mean, there's — you know, like right now, they are doing parts of batteries that they are constanting</pre>	586	1 2 3 4 5	<pre>new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009, did you right around the time of the recession. do you recall when the batteries</pre>	588
1 2 3 4 5 6 7	<pre>facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I mean, there's — you know, like right now, they are doing parts of batteries that they are constructing. There are other parts of maintenance that they fix some.</pre>	586	1 2 3 4 5 6 7	<pre>new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009, did you right around the time of the recession, do you recall when the batteries there were four batteries that went idle. went to bot</pre>	588
1 2 3 4 5 6 7 8	<pre>facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I mean, there's — you know, like right now, they are doing parts of batteries that they are constructing. There are other parts of maintenance that they fix some, quenching times, maybe machinery, maybe larry car tracks</pre>	586	1 2 3 4 5 6 7 8	 new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009, did you right around the time of the recession, do you recall when the batteries there were four batteries that went idle, went to hot idle. Were you an inspector there when those batteries. 	588
1 2 3 4 5 6 7 8 9	<pre>facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I mean, there's — you know, like right now, they are doing parts of batteries that they are constructing. There are other parts of maintenance that they fix some, quenching times, maybe machinery, maybe larry car tracks or hot rails, stuff like that. There's a lot of</pre>	586	1 2 3 4 5 6 7 8 9	 new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009, did you right around the time of the recession, do you recall when the batteries there were four batteries that went idle, went to hot idle. Were you an inspector there when those batteries went to bot idle? 	588
1 2 3 4 5 6 7 8 9	facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I mean, there's — you know, like right now, they are doing parts of batteries that they are constructing. There are other parts of maintenance that they fix some, quenching tires, maybe machinery, maybe larry car tracks or hot rails, stuff like that. There's a lot of different things at various times that op on throughout.	586	1 2 3 4 5 6 7 8 9	 new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009, did you right around the time of the recession, do you recall when the batteries there were four batteries that went idle, went to hot idle. Were you an inspector there when those batteries went to hot idle? A. I was an inspector there when three of the 	588
1 2 3 4 5 6 7 8 9 10	facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I mean, there's — you know, like right now, they are doing parts of betteries that they are constructing. There are other parts of maintenance that they fix some, quenching tires, maybe machinery, maybe larry car tracks or hot rails, stuff like that. There's a lot of different things at various times that go on throughout the facility over the years.	586	1 2 3 4 5 6 7 8 9 10 11	 new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009, did you right around the time of the recession, do you recall when the batteries there were four batteries that went idle, went to hot idle. Were you an inspector there when those batteries went to hot idle? A. I was an inspector there when three of the batteries went hot idle, 7, 8 and 9 Battery. 	588
1 2 3 4 5 6 7 8 9 10 11 12	facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I mean, there's — you know, like right now, they are doing parts of batteries that they are constructing. There are other parts of maintenance that they fix some, quenching tires, maybe machinery, maybe larry car tracks or hot rails, stuff like that. There's a lot of different things at various times that go on throughout the facility over the years. O. How about with respect to oven doors?	586	1 2 3 4 5 6 7 8 9 10 11 12	 new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009, did you right around the time of the recession, do you recall when the batteries there were four batteries that went idle, went to hot idle. Were you an inspector there when those batteries went to hot idle? A. I was an inspector there when three of the batteries went hot idle, 7, 8 and 9 Battery. Q. Okay. And were there more or less employees 	588
1 2 3 4 5 6 7 8 9 10 11 12 13	facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I mean, there's — you know, like right now, they are doing parts of batteries that they are constructing. There are other parts of maintenance that they fix some, quenching tires, maybe machinery, maybe larry car tracks or hot rails, stuff like that. There's a lot of different things at various times that go on throughout the facility over the years. Q. How about with respect to oven doors? A. Maintenance?	586	1 2 3 4 5 6 7 8 9 10 11 12 13	 new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009, did you right around the time of the recession, do you recall when the batteries there were four batteries that went idle, went to hot idle. Were you an inspector there when those batteries went to hot idle? A. I was an inspector there when three of the batteries went hot idle, 7, 9 and 9 Battery. Q. Okay. And were there more or less employees working up there at that time? 	588
1 2 3 4 5 6 7 8 9 10 11 12 13 14	facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I mean, there's — you know, like right now, they are doing parts of batteries that they are constructing. There are other parts of maintenance that they fix some, quenching tires, maybe machinery, maybe larry car tracks or hot rails, stuff like that. There's a lot of different things at various times that go on throughout the facility over the years. Q. How about with respect to oven doors? A. Maintenance? Q. Yes. Have you seen more or less maintenance with	586	1 2 3 4 5 6 7 8 9 10 11 12 13 14	 new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009, did you right around the time of the recession, do you recall when the batteries there were four batteries that went idle, went to hot idle. Were you an inspector there when those batteries went to hot idle? A. I was an inspector there when three of the batteries went hot idle, 7, 8 and 9 Battery. Q. Okay. And were there more or less employees working up there at that time? A. More, I believe, 'cause I believe the whole unit 	588
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	<pre>facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I mean, there's — you know, like right now, they are doing parts of batteries that they are constructing. There are other parts of maintenance that they fix some, quenching tires, maybe machinery, maybe larry car tracks or hot rails, stuff like that. There's a lot of different things at various times that go on throughout the facility over the years. Q. How about with respect to oven doors? A. Maintenance? Q. Yes. Have you seen more or less maintenance with respect to oven doors?</pre>	586	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009, did you right around the time of the recession, do you recall when the batteries there were four batteries that went idle, went to hot idle. Were you an inspector there when those batteries went to hot idle? A. I was an inspector there when three of the batteries went hot idle, 7, 8 and 9 Battery. Q. Okay. And were there more or less employees working up there at that time? A. More, I believe, 'cause I believe the whole unit went down. I don't believe it was hot idle. I believe 	588
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	<pre>facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I mean, there's — you know, like right now, they are doing parts of batteries that they are constructing. There are other parts of maintenance that they fix some, quenching tires, maybe machinery, maybe larry car tracks or hot rails, stuff like that. There's a lot of different things at various times that go on throughout the facility over the years. Q. How about with respect to oven doors? A. Maintenance? Q. Yes. Have you seen more or less maintenance with respect to oven doors? A. There's a period of time that I dich't — like,</pre>	586	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009, did you right around the time of the recession, do you recall when the batteries there were four batteries that went idle, went to hot idle. Were you an inspector there when those batteries went to hot idle? A. I was an inspector there when three of the batteries went hot idle, 7, 8 and 9 Battery. Q. Okay. And were there more or less employees working up there at that time? A. More, I believe, 'cause I believe the whole unit went down. I don't believe it was hot idle. I believe it was shut down totally in that year of 2009, '07, '08, 	588
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	<pre>facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I mean, there's — you know, like right now, they are doing parts of betteries that they are constructing. There are other parts of maintenance that they fix some, quenching tires, maybe machinery, maybe larry car tracks or hot rails, stuff like that. There's a lot of different things at various times that go on throughout the facility over the years. Q. How about with respect to oven doors? A. Maintenance? Q. Yes. Have you seen more or less maintenance with respect to oven doors? A. There's a period of time that I dich't — like, when you go into the facility, there's another facility</pre>	586	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009, did you right around the time of the recession, do you recall when the batteries there were four batteries that went idle, went to hot idle. Were you an inspector there when those batteries went to hot idle? A. I was an inspector there when three of the batteries went hot idle, 7, 8 and 9 Battery. Q. Okay. And were there more or less employees working up there at that time? A. More, I believe, 'cause I believe the whole unit went down. I don't believe it was hot idle. I believe it was shut down totally in that year of 2009, '07, '08, and '09. 	588
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	<pre>facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I mean, there's — you know, like right now, they are doing parts of batteries that they are constructing. There are other parts of maintenance that they fix some, quenching tires, maybe machinery, maybe larry car tracks or hot rails, stuff like that. There's a lot of different things at various times that go on throughout the facility over the years. Q. How about with respect to oven doors? A. Maintenance? Q. Yes. Have you seen more or less maintenance with respect to oven doors? A. There's a period of time that I dich't — like, when you go into the facility, there's another facility that I believe they maintain and fix the doors. And for</pre>	586	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009, did you right around the time of the recession, do you recall when the batteries there were four batteries that went idle, went to hot idle. Were you an inspector there when those batteries went to hot idle? A. I was an inspector there when three of the batteries went hot idle, 7, 8 and 9 Battery. Q. Okay. And were there more or less employees working up there at that time? A. More, I believe, 'cause I believe the whole unit went down. I don't believe it was hot idle. I believe it was shut down totally in that year of 2009, '07, '08, and '09. Q. You're talking about when they replaced C? 	588
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I mean, there's - you know, like right now, they are doing parts of batteries that they are constructing. There are other parts of maintenance that they fix some, quenching tires, maybe machinery, maybe larry car tracks or hot rails, stuff like that. There's a lot of different things at various times that go on throughout the facility over the years. Q. How about with respect to oven doors? A. Maintenance? Q. Yes. Have you seen more or less maintenance with respect to oven doors? A. There's a period of time that I dich't like, when you go into the facility, there's another facility that I believe they maintain and fix the doors. And for a period of time, I dich't see a lot of activity in that 	586	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009, did you right around the time of the recession, do you recall when the batteries there were four batteries that went idle, went to hot idle. Were you an inspector there when those batteries went to hot idle? A. I was an inspector there when three of the batteries went hot idle, 7, 8 and 9 Battery. Q. Okay. And were there more or less employees working up there at that time? A. More, I believe, 'cause I believe the whole unit went down. I don't believe it was hot idle. I believe it was hot idle. Q. You're talking about when they replaced C? A. Correct. 	588
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	<pre>facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I mean, there's — you know, like right now, they are doing parts of batteries that they are constructing. There are other parts of maintenance that they fix some, quenching tires, maybe machinery, maybe larry car tracks or hot rails, stuff like that. There's a lot of different things at various times that go on throughout the facility over the years. Q. How about with respect to oven doors? A. Maintenance? Q. Yes. Have you seen more or less maintenance with respect to oven doors? A. There's a period of time that I dich't — like, when you go into the facility, there's another facility that I believe they maintain and fix the doors. And for a period of time, I dich't see a lot of activity in that area, like changing out doors, fixing doors.</pre>	586	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009, did you right around the time of the recession, do you recall when the batteries there were four batteries that went idle, went to hot idle. Were you an inspector there when those batteries went to hot idle? A. I was an inspector there when three of the batteries went hot idle, 7, 8 and 9 Battery. Q. Okay. And were there more or less employees working up there at that time? A. More, I believe, 'cause I believe the whole unit went down. I don't believe it was hot idle. I believe it was shut down totally in that year of 2009, '07, '08, and '09. Q. You're talking about when they replaced C? A. Correct. Q. Those employees were no longer working in 7, 8, 9 	588
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I mean, there's - you know, like right now, they are doing parts of batteries that they are constructing. There are other parts of maintenance that they fix some, quenching tires, maybe machinery, maybe larry car tracks or hot rails, stuff like that. There's a lot of different things at various times that go on throughout the facility over the years. Q. How about with respect to oven doors? A. Maintenance? Q. Yes. Have you seen more or less maintenance with respect to oven doors? A. There's a period of time that I didn't like, when you go into the facility, there's another facility that I believe they maintain and fix the doors. And for a period of time, I didn't see a lot of activity in that area, like changing out doors, fixing doors. 	586	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009, did you right around the time of the recession, do you recall when the batteries there were four batteries that went idle, went to hot idle. Were you an inspector there when those batteries went to hot idle? A. I was an inspector there when three of the batteries went hot idle, 7, 8 and 9 Battery. Q. Okay. And were there more or less employees working up there at that time? A. More, I believe, 'cause I believe the whole unit went down. I don't believe it was hot idle. I believe it was shut down totally in that year of 2009, '07, '08, and '09. Q. You're talking about when they replaced C? A. Correct. Q. Those employees were no longer working in 7, 8, 9 	588
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I mean, there's - you know, like right now, they are doing parts of batteries that they are constructing. There are other parts of maintenance that they fix some, quenching tires, maybe machinery, maybe larry car tracks or hot rails, stuff like that. There's a lot of different things at various times that go on throughout the facility over the years. Q. How about with respect to oven doors? A. Maintenance? Q. Yes. Have you seen more or less maintenance with respect to oven doors? A. There's a period of time that I dich't like, when you go into the facility, there's another facility that I believe they maintain and fix the doors. And for a period of time, I dich't see a lot of activity in that area, like changing out doors, fixing doors. 	586	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009, did you right around the time of the recession, do you recall when the batteries there were four batteries that went idle, went to hot idle. Were you an inspector there when those batteries went to hot idle? A. I was an inspector there when three of the batteries went hot idle, 7, 8 and 9 Battery. Q. Okay. And were there more or less employees working up there at that time? A. More, I believe, 'cause I believe the whole unit went down. I don't believe it was hot idle. I believe it was hot idle. I believe it was hot idle. Q. You're talking about when they replaced C? A. Conxect. Q. Those employees were no longer working in 7, 8, 9 but then they had C. So you saw more employees by virtue of the startup of Battery C? 	588
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 facility over that time, what's your assessment as in terms of the maintenance protocols over that time? Have you seen more maintenance done recently or less? A. There's different degrees of maintenance. I mean, there's — you know, like right now, they are doing parts of batteries that they are constructing. There are other parts of maintenance that they fix some, quenching tires, maybe machinery, maybe larry car tracks or hot rails, stuff like that. There's a lot of different things at various times that go on throughout the facility over the years. Q. How about with respect to oven doors? A. Maintenance? A. There's a period of time that I dich't — like, when you go into the facility, there's another facility that I believe they maintain and fix the doors. And for a period of time, I dich't see a lot of activity in that area, like changing out doors, fixing doors. 	586	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 new employees. Q. And by "recently," when, what timeframe? A. Within a few years, maybe a year or two. It seems like a lot of new employees coming in. Q. Okay. In 2009, did you right around the time of the recession, do you recall when the batteries there were four batteries that went idle, went to hot idle. Were you an inspector there when those batteries went to hot idle? A. I was an inspector there when three of the batteries went hot idle, 7, 8 and 9 Battery. Q. Okay. And were there more or less employees working up there at that time? A. More, I believe, 'cause I believe the whole unit went down. I don't believe it was hot idle. I believe it was shut down totally in that year of 2009, '07, '08, and '09. Q. You're talking about when they replaced C? A. Correct. Q. Those employees were no longer working in 7, 8, 9 but then they had C. So you saw more employees by virtue of the startup of Battery C? A. I really couldn't answer that. I really don't 	588

 $Q. \$ So this year, you're seeing a little bit more

25

25 don't have.

1		589			591
1	Q. Okay.		1	But I will, again, Mr. Slater, go through this	
2	A. I just noticed recently, they started hiring a		2	again at the end page by page to make sure that we don't	
13	lot more people. I know they did a hiring boom back		3	have any overlap because I don't want anything that is	
4	years ago. They had a lot of new employees come in		4	not relevant to this.	
5	maybe 10, 15 years ago. But the last, I guess, maybe		5	HEARING OFFICER SLATER: Right, yeah, that's	
e	year or two, they have been hiring a lot of new		6	fine.	
7	employees.		7	MR. WILLIS: It's just an exercise.	
8	Q. You haven't noticed any attrition from 10 years		8	HEARING OFFICER SLATER: We can take care of that	
9	ago to last year?		9	at the end.	
10	A. Not really.		10	(The hearing recessed at 9:39 a.m. and	
11	Q. Okay. I have one exhibit for you today. Take		11	reconvened at 9:50 a.m.)	
12	about five minutes to look through this document.		12	MR. DAUSCH: Is there maybe a way to proceed; and	
13	MR. WILLIS: Where are we now?		13	then at our break, she can finish looking at the	
14	COURT REPORTER: You'll be at 25.		14	documents and see if there are any that are an issue?	
15	MR. WILLIS: We have time. Take about five		15	It looks like she's only looked at a portion of the	
16	minutes to look through this document.		16	stack.	
17	HEARING OFFICER SLATER: This is ACHD 25?		17	MS. CROWLEY: Yeah, I was making sure they were	
18	MR. WILLIS: Yes, sir.		18	all	
19	HEARING OFFICER SLATER: Okay.		19	MR. DAUSCH: And maybe at a break, you can	
20	BY MR. WILLIS:		20	continue that process.	
21	Q. Take about five minutes. You have time.		21	MS. CROWLEY: Oh, okay.	
22	A. Do you want me to look through every single		22	BY MR. WILLIS:	
23	document?		23	Q. Well, why don't you skim through it a little bit	
24	Q. Like I said, just take five minutes and just do a		24	faster?	
25	quick scan, if you would, to see what we are looking at		25	A. Okay.	
			1		
		590	6		592
1	so we can talk about it a little bit. I'm going to do		1	Q. Make sure what's there is there. Angela, I think	
2	the same, so		2	we can multitask as you continue to review. I don't	
3	MR. DAUSCH: Jason, is this a collection it		3		
4	representation of the second			want you to stop, but I do want to ask you a couple	
5	doesn't look like the Bates labels run consecutive. I'm		4	want you to stop, but I do want to ask you a couple questions.	
Ĩ	doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets	3	4 5	want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for	
6	doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced?		4 5 6	want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections?	
6 7	doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced? MR.WILLIS: Correct. And what I did was I		4 5 6 7	<pre>want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeah, the EPA panel member, yeah.</pre>	
6 7 8	doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced? MR.WILLIS: Correct. And what I did was I segregated the inspections to just those for the period		4 5 6 7 8	<pre>want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeah, the EPA panel member, yeah. Q. Okay. Is there anybody at the that works for</pre>	
6 7 8 9	doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced? MR. WILLIS: Correct. And what I did was I segregated the inspections to just those for the period of the enforcement order.		4 5 7 8 9	<pre>want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeah, the EPA panel member, yeah. Q. Okay. Is there anybody at the that works for Keramida, the county's third-party contractor, that you</pre>	
6 7 8 9 10	<pre>doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced? MR. WILLIS: Correct. And what I did was I segregated the inspections to just those for the period of the enforcement order. I would note, we had the same issue with at</pre>		4 5 7 8 9 10	<pre>want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeah, the EPA panel member, yeah. Q. Okay. Is there anybody at the that works for Keramida, the county's third-party contractor, that you oversaw in terms of their certification?</pre>	
6 7 8 9 10 11	doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced? MR.WILLIS: Correct. And what I did was I segregated the inspections to just those for the period of the enforcement order. I would note, we had the same issue with at least two sheets in here somewhere that either go to the		4 5 7 8 9 10 11	<pre>want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeah, the EPA panel member, yeah. Q. Okay. Is there anybody at the that works for Keramida, the county's third-party contractor, that you oversaw in terms of their certification? A. Yes.</pre>	
6 7 8 9 10 11 12	doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced? MR. WILLIS: Correct. And what I did was I segregated the inspections to just those for the period of the enforcement order. I would note, we had the same issue with at least two sheets in here somewhere that either go to the second quarter or go of 2017 or the second quarter of		4 5 7 8 9 10 11 12	<pre>want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeah, the EPA panel member, yeah. Q. Okay. Is there anybody at the that works for Keramida, the county's third-party contractor, that you oversaw in terms of their certification? A. Yes. Q. Who would that be?</pre>	
6 7 8 9 10 11 12 13	doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced? MR. WILLIS: Correct. And what I did was I segregated the inspections to just those for the period of the enforcement order. I would note, we had the same issue with at least two sheets in here somewhere that either go to the second quarter or go of 2017 or the second quarter of 2018 because they were copied on both sides of the page.		4 5 7 8 9 10 11 12 13	 want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeah, the EPA panel member, yeah. Q. Okay. Is there anybody at the that works for Keramida, the county's third-party contractor, that you oversaw in terms of their certification? A. Yes. Q. Who would that be? A. I believe it was Gradwalt Haines (phonetic.) I 	
6 7 8 9 10 11 12 13 14	doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced? MR. WILLIS: Correct. And what I did was I segregated the inspections to just those for the period of the enforcement order. I would note, we had the same issue with at least two sheets in here somewhere that either go to the second quarter or go of 2017 or the second quarter of 2018 because they were copied on both sides of the page. Like we said like we mentioned earlier, I can		4 5 7 8 9 10 11 12 13 14	 want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeah, the EPA panel member, yeah. Q. Okay. Is there anybody at the that works for Keramida, the county's third-party contractor, that you oversaw in terms of their certification? A. Yes. Q. Who would that be? A. I believe it was Gradwalt Haines (phonetic.) I don't recall Ed's last name right now. There is a lady 	
6 7 8 9 10 11 12 13 14 15	doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced? MR. WILLIS: Correct. And what I did was I segregated the inspections to just those for the period of the enforcement order. I would note, we had the same issue with at least two sheets in here somewhere that either go to the second quarter or go of 2017 or the second quarter of 2018 because they were copied on both sides of the page. Like we said like we mentioned earlier, I can certainly take some time at the end of the hearing and		4 5 7 8 9 10 11 12 13 14 15	<pre>want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeah, the EFA panel member, yeah. Q. Okay. Is there anybody at the that works for Keramida, the county's third-party contractor, that you oversaw in terms of their certification? A. Yes. Q. Who would that be? A. I believe it was Gradwalt Haines (phonetic.) I don't recall Ed's last name right now. There is a lady by the name of Melissa. I believe those ones.</pre>	
6 7 8 9 10 11 12 13 14 15 16	doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced? MR. WILLIS: Correct. And what I did was I segregated the inspections to just those for the period of the enforcement order. I would note, we had the same issue with at least two sheets in here somewhere that either go to the second quarter or go of 2017 or the second quarter of 2018 because they were copied on both sides of the page. Like we said like we mentioned earlier, I can certainly take some time at the end of the hearing and find those pages. We copied them to make sure that the		4 5 6 7 8 9 10 11 12 13 14 15 16	<pre>want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeah, the EPA panel member, yeah. Q. Okay. Is there anybody at the that works for Keramida, the county's third-party contractor, that you oversaw in terms of their certification? A. Yes. Q. Who would that be? A. I believe it was Gradwalt Haines (phonetic.) I don't recall Ed's last name right now. There is a lady by the name of Melissa. I believe those ones. Q. And were those individuals that worked for Veolia</pre>	
6 7 8 9 10 11 12 13 14 15 16 17	doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced? MR. WILLIS: Correct. And what I did was I segregated the inspections to just those for the period of the enforcement order. I would note, we had the same issue with at least two sheets in here somewhere that either go to the second quarter or go of 2017 or the second quarter of 2018 because they were copied on both sides of the page. Like we said like we mentioned earlier, I can certainly take some time at the end of the hearing and find those pages. We copied them to make sure that the proper pages are incorporated and there's nothing that		4 5 6 7 8 9 10 11 12 13 14 15 16 17	<pre>want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeah, the EPA panel member, yeah. Q. Okay. Is there anybody at the that works for Keramida, the county's third-party contractor, that you oversaw in terms of their certification? A. Yes. Q. Who would that be? A. I believe it was Gradwalt Haines (phonetic.) I don't recall Ed's last name right now. There is a lady by the name of Melissa. I believe those ones. Q. And were those individuals that worked for Veolia at one point?</pre>	
6 7 8 9 10 11 12 13 14 15 16 17 18	doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced? MR. WILLIS: Correct. And what I did was I segregated the inspections to just those for the period of the enforcement order. I would note, we had the same issue with at least two sheets in here somewhere that either go to the second quarter or go of 2017 or the second quarter of 2018 because they were copied on both sides of the page. Like we said like we mentioned earlier, I can certainly take some time at the end of the hearing and find those pages. We copied them to make sure that the proper pages are incorporated and there's nothing that goes beyond the relevant period of time.		4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeeh, the EPA panel member, yeah. Q. Okay. Is there anybody at the that works for Keramida, the county's third-party contractor, that you oversaw in terms of their certification? A. Yes. Q. Who would that be? A. I believe it was Gradwalt Haines (phonetic.) I don't recall Ed's last name right now. There is a lady by the name of Melissa. I believe those ones. Q. And were those individuals that worked for Veolia at one point? A. A few of them did, yes. 	
6 7 8 9 10 11 12 13 14 15 16 17 18 19	doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced? MR. WILLIS: Correct. And what I did was I segregated the inspections to just those for the period of the enforcement order. I would note, we had the same issue with at least two sheets in here somewhere that either go to the second quarter or go of 2017 or the second quarter of 2018 because they were copied on both sides of the page. Like we said like we mentioned earlier, I can certainly take some time at the end of the hearing and find those pages. We copied them to make sure that the proper pages are incorporated and there's nothing that goes beyond the relevant period of time. MR. DAUSCH: And I'm looking at the stack and it		4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeah, the EFA panel member, yeah. Q. Okay. Is there anybody at the that works for Keramida, the county's third-party contractor, that you oversaw in terms of their certification? A. Yea. Q. Who would that be? A. I believe it was Gradwalt Haines (phonetic.) I don't recall Ed's last name right now. There is a lady by the name of Malissa. I believe those ones. Q. And were those individuals that worked for Veolia at one point? A. A few of them did, yes. Q. Then when Veolia was no longer the third-party 	
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced? MR. WILLIS: Correct. And what I did was I segregated the inspections to just those for the period of the enforcement order. I would note, we had the same issue with at least two sheets in here somewhere that either go to the second quarter or go of 2017 or the second quarter of 2018 because they were copied on both sides of the page. Like we said like we mentioned earlier, I can certainly take some time at the end of the hearing and find those pages. We copied them to make sure that the proper pages are incorporated and there's nothing that goes beyond the relevant period of time. MR. DAUSCH: And I'm looking at the stack and it looks like every one of them has a Bates label. So I'm		4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeah, the EPA panel member, yeah. Q. Okay. Is there anybody at the that works for Keramida, the county's third-party contractor, that you oversaw in terms of their certification? A. Yes. Q. Who would that be? A. I believe it was Gradwalt Haines (phonetic.) I don't recall Ed's last name right now. There is a lady by the name of Malissa. I believe those ones. Q. And were those individuals that worked for Veolia at one point? A. A few of them did, yes. Q. Then when Veolia was no longer the third-party contractor for the county, they moved over to Keramida? 	
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced? MR. WILLIS: Correct. And what I did was I segregated the inspections to just those for the period of the enforcement order. I would note, we had the same issue with at least two sheets in here somewhere that either go to the second quarter or go of 2017 or the second quarter of 2018 because they were copied on both sides of the page. Like we said like we mentioned earlier, I can certainly take some time at the end of the hearing and find those pages. We copied them to make sure that the proper pages are incorporated and there's nothing that goes beyond the relevant period of time. MR. DAUSCH: And I'm looking at the stack and it looks like every one of them has a Bates label. So I'm assuming these are all the same documents that you		4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeah, the EFA panel member, yeah. Q. Okay. Is there anybody at the that works for Keramida, the county's third-party contractor, that you oversaw in terms of their certification? A. Yes. Q. Who would that be? A. I believe it was Gradwalt Haines (phonetic.) I don't recall Ed's last name right now. There is a lady by the name of Melissa. I believe those ones. Q. And were those individuals that worked for Veolia at one point? A. A few of them did, yes. Q. Then when Veolia was no longer the third-party contractor for the county, they moved over to Keramida? A. They got hired by Keramida, correct. 	
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	<pre>doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced?</pre>		4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeeh, the EFA panel member, yeah. Q. Okay. Is there anybody at the that works for Keramida, the county's third-party contractor, that you oversaw in terms of their certification? A. Yes. Q. Who would that be? A. I believe it was Gradwalt Haines (phonetic.) I don't recall Ed's last name right now. There is a lady by the name of Malissa. I believe those ones. Q. And were those individuals that worked for Veolia at one point? A. A few of them did, yes. Q. Then when Veolia was no longer the third-party contractor for the county, they moved over to Keramida? A. They got hired by Keramida, correct. Q. Am I correct in understanding that as part of 	
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced? MR. WILLIS: Correct. And what I did was I segregated the inspections to just those for the period of the enforcement order. I would note, we had the same issue with at least two sheets in here somewhere that either go to the second quarter or go of 2017 or the second quarter of 2018 because they were copied on both sides of the page. Like we said like we mentioned earlier, I can certainly take some time at the end of the hearing and find those pages. We copied them to make sure that the proper pages are incorporated and there's nothing that goes beyond the relevant period of time. MR. DAUSCH: And I'm looking at the stack and it looks like every one of them has a Bates label. So I'm assuming these are all the same documents that you produced in discovery? MR. WILLIS: Yeah, yeah. I mean, the Bates 		4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeah, the EPA panel member, yeah. Q. Okay. Is there anybody at the that works for Keramida, the county's third-party contractor, that you oversaw in terms of their certification? A. Yes. Q. Who would that be? A. I believe it was Gradwalt Haines (phonetic.) I don't recall Ed's last name right now. There is a lady by the name of Melissa. I believe those ones. Q. And were those individuals that worked for Veolia at one point? A. A few of them did, yes. Q. Then when Veolia was no longer the third-party contractor for the county, they moved over to Keramida? A. They got hired by Keramida, correct. Q. Am I correct in understanding that as part of your duties in terms of doing regular daily inspections, 	
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced? MR. WILLIS: Correct. And what I did was I segregated the inspections to just those for the period of the enforcement order. I would note, we had the same issue with at least two sheets in here somewhere that either go to the second quarter or go of 2017 or the second quarter of 2018 because they were copied on both sides of the page. Like we said like we mentioned earlier, I can certainly take some time at the end of the hearing and find those pages. We copied them to make sure that the proper pages are incorporated and there's nothing that goes beyond the relevant period of time. MR. DAUSCH: And I'm looking at the stack and it looks like every one of them has a Bates label. So I'm assuming these are all the same documents that you produced in discovery? MR. WILLIS: Yeah, yeah. I mean, the Bates labels, this is from the first document request because 		4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeah, the EFA panel member, yeah. Q. Okay. Is there anybody at the that works for Keramida, the county's third-party contractor, that you oversaw in terms of their certification? A. Yes. Q. Who would that be? A. I believe it was Gradwalt Haines (phonetic.) I don't recall Ed's last name right now. There is a lady by the name of Malissa. I believe those ones. Q. And were those individuals that worked for Veolia at one point? A. A few of them did, yes. Q. Then when Veolia was no longer the third-party contractor for the county, they moved over to Keramida? A. They got hired by Keramids, correct. Q. Am I correct in understanding that as part of your duties in terms of doing regular daily inspections, that you also participate in the review of stack 	
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 doesn't look like the Bates labels run consecutive. I'm assuming you just collected all the inspection sheets that were produced? MR. WILLIS: Correct. And what I did was I segregated the inspections to just those for the period of the enforcement order. I would note, we had the same issue with at least two sheets in here somewhere that either go to the second quarter or go of 2017 or the second quarter of 2018 because they were copied on both sides of the page. Like we said like we mentioned earlier, I can certainly take some time at the end of the hearing and find those pages. We copied them to make sure that the proper pages are incorporated and there's nothing that goes beyond the relevant period of time. MR. DAUSCH: And I'm looking at the stack and it looks like every one of them has a Bates label. So I'm assuming these are all the same documents that you produced in discovery? MR. WILLIS: Yeah, yeah. I mean, the Bates labels, this is from the first document request because of the Bates labels being in the low hundreds. 		4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 want you to stop, but I do want to ask you a couple questions. You mentioned that you were a panel member for the certification 303 inspections? A. Yeeh, the EFA panel member, yeah. Q. Okay. Is there anybody at the that works for Keramida, the county's third-party contractor, that you oversaw in terms of their certification? A. Yes. Q. Who would that be? A. I believe it was Gradwalt Haines (phonetic.) I don't recall Ed's last name right now. There is a lady by the name of Melissa. I believe those ones. Q. And were those individuals that worked for Veolia at one point? A. A few of them did, yes. Q. Then when Veolia was no longer the third-party contractor for the county, they moved over to Keramida? A. They got hired by Keramida, correct. Q. Am I correct in understanding that as part of your duties in terms of doing regular daily inspections, that you also participate in the review of stack testing? 	

	59	3		595
1	A. Correct.	1	A. Gary Downard.	
2	${\sf Q}.$ Is your role the same with respect to evaluating	2	${\sf Q}.$ Did Gary work with the county or begin work with	
3	emissions during a stack test?	3	the county after your start date, after you?	
4	A. Connect.	4	A. Correct.	
5	Q. As you are going through this, can you tell me	5	Q. Did you train Gary?	
6	the types the inspection types you are tasked with	6	A. Yes.	
	perioming?		Q. And as part of his training, what did you do?	
8	A. I do visible emission observations at Clairton,	В	A. Got him acclimated to the facilities that we were	
9	their 10 batteries. I will do pushing observations.	9	inspecting. We when I first took him out, I was more	
11	O that does beneficial size land	10	or less gearing towards sarety, making sure he was able	
12	Q. What does topsides involve?		to maneuver around.	
12	A. Topsides, you are looking for officate leaks.	12	And then I slowly started pitting in different	
11	Q. What's an official and the time of the time of the time	13	parts for what we do for our job as far as looking at	
15	A. An our cade are scampipes. If you have a couble	14	Charging, cirtakes, pushing, scaling at the two	
15	main system, each double main system has a series of	15	De liber we first started well with the south of	
17	un canada.	17	Q. When you first started work with the county, were	
19	if you have a single main, it only has one side	10	you doing more or less or lewer inspections than you do	
10	Batters, and use are increasing lide also during that	10		
20	Accery, an you are inspecting has also diring that	19		
20	Q What is a lid?	20	Q. Substantially rewer:	
21	A lide are write there they are evel into the are	21	A. I would say, yes.	
22	A. Lice are ports where they put coal into the oven.	22	Q. Okay. Did you ever do inspections from the	
24	and the the most second and the parts	24		
25	And then put the lid on ten of the ports?	24	• Ver many of these would you do in a given month?	
1	594			596
	A Compart	1	A Toxildalt or man a mathem. Travild our	
2	A. Correct.	1	A. I couldn't even name a number. I would say	
2	 A. Correct. Q. Is there a purpose to the lids? A. To seel up the over 	1 2 3	A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility.	
2 3 4	 A. Connect. Q. Is there a purpose to the lids? A. To seel up the oven. O. And why would you want to do that? 	1 2 3 4	A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it RMO when I	
2 3 4 5	 A. Correct. Q. Is there a purpose to the lids? A. To seel up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of 	1 2 3 4 5	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it PMIO when I was with the contractors, and I did it every time there 	
2 3 4 5 6	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. 	1 2 3 4 5 6	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it BM10 when I was with the contractors, and I did it every time there was a Stage 2 alert just about. Maybe not every time 	
2 3 4 5 6 7	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. Q. Okay. So it's a part of the process of coking 	1 2 3 4 5 6 7	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it EMIO when I was with the contractors, and I did it every time there was a Stage 2 alert just about. Maybe not every time there was one. But when it was my turn to take, I would 	
2 3 4 5 6 7 8	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. Q. Okay. So it's a part of the process of coking the coal that's inside the oven? 	1 2 3 4 5 6 7 8	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it BM10 when I was with the contractors, and I did it every time there was a Stage 2 alert just about. Maybe not every time there was one. But when it was my turn to take, I would do hillside observations of the plant. 	
2 3 4 5 6 7 8 9	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. Q. Okay. So it's a part of the process of coking the coal that's inside the oven? A. Correct. 	1 2 3 4 5 6 7 8 9	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it BMIO when I was with the contractors, and I did it every time there was a Stage 2 alert just about. Maybe not every time there was one. But when it was my turn to take, I would do hillside observations of the plant. Q. What's a sorry, I didn't mean to interrupt 	
2 3 4 5 6 7 8 9	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. Q. Okay. So it's a part of the process of coking the coal that's inside the oven? A. Correct. Q. Okay. Are you Method 9 certified? 	1 2 3 4 5 6 7 8 9 10	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it EMIO when I was with the contractors, and I did it every time there was a Stage 2 alert just about. Maybe not every time there was one. But when it was my turn to take, I would do hillside observations of the plant. Q. What's a sorry, I didn't mean to interrupt you. 	
2 3 4 5 6 7 8 9 10 11	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. Q. Okay. So it's a part of the process of coking the coal that's inside the oven? A. Correct. Q. Okay. Are you Method 9 certified? A. Yes. 	1 2 3 4 5 6 7 8 9 10 11	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it PMIO when I was with the contractors, and I did it every time there was as Stage 2 alert just about. Maybe not every time there was one. But when it was my turn to take, I would do hillside observations of the plant. Q. What's a sorry, I didn't mean to interrupt you. A. That's fine. 	
2 3 4 5 6 7 8 9 10 11 12	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. Q. Okay. So it's a part of the process of coking the coal that's inside the oven? A. Correct. Q. Okay. Are you Method 9 certified? A. Yes. Q. How long have you been certified for Method 9? 	1 2 3 4 5 6 7 8 9 10 11 12	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it BMIO when I was with the contractors, and I did it every time there was a Stage 2 alert just about. Maybe not every time there was one. But when it was my turn to take, I would do hillside observations of the plant. Q. What's a sorry, I didn't mean to interrupt you. A. That's fine. Q. What's a Stage 2 alert? 	
2 3 4 5 6 7 8 9 10 11 12 13	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. Q. Okay. So it's a part of the process of coking the coal that's inside the oven? A. Correct. Q. Okay. Are you Method 9 certified? A. Yes. Q. How long have you been certified for Method 9? A. I believe the first time I got certified was 	1 2 3 4 5 6 7 8 9 10 11 12 13	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it EMIO when I was with the contractors, and I did it every time there was a Stage 2 alert just about. Maybe not every time there was one. But when it was my turn to take, I would do hillside observations of the plant. Q. What's a sorry, I didn't mean to interrupt you. A. That's fine. Q. What's a Stage 2 alert? A. It is a EM — they call it EM2.5. I believe it 	
2 3 4 5 6 7 8 9 10 11 12 13 14	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. Q. Okay. So it's a part of the process of coking the coal that's inside the oven? A. Correct. Q. Okay. Are you Method 9 certified? A. Yes. Q. How long have you been certified for Method 9? A. I believe the first time I got certified was 	1 2 3 4 5 6 7 8 9 10 11 12 13 14	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it PMIO when I was with the contractors, and I did it every time there was a Stage 2 alert just about. Maybe not every time there was one. But when it was my turn to take, I would do hillside observations of the plant. Q. What's a sorry, I didn't mean to interrupt you. A. That's fine. Q. What's a Stage 2 alert? A. It is a BM — they call it EM2.5. I believe it was called PMIO back in the day. When there was a 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. Q. Okay. So it's a part of the process of coking the coal that's inside the oven? A. Correct. Q. Okay. Are you Method 9 certified? A. Yes. Q. How long have you been certified for Method 9? A. I believe the first time I got certified was 1999. Q. Has that certification ever lapsed? 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it EMIO when I was with the contractors, and I did it every time there was a Stage 2 alert just about. Maybe not every time there was one. But when it was my turn to take, I would do hillside observations of the plant. Q. What's a sorry, I didn't mean to interrupt you. A. That's fine. Q. What's a Stage 2 alert? A. It is a EM — they call it EM2.5. I believe it was called EMIO back in the day. When there was a temperature inversion, they would want somebody on the 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. Q. Okay. So it's a part of the process of coking the coal that's inside the oven? A. Correct. Q. Okay. Are you Method 9 certified? A. Yes. Q. How long have you been certified for Method 9? A. I believe the first time I got certified was 1999. Q. Has that certification ever lapsed? A. Never. 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it EMIO when I was with the contractors, and I did it every time there was a Stage 2 alert just about. Maybe not every time there was one. But when it was my turn to take, I would do hillside observations of the plant. Q. What's a sorry, I didn't mean to interrupt you. A. That's fine. Q. What's a Stage 2 alert? A. It is a EM — they call it EM2.5. I believe it was called EMIO back in the day. When there was a temperature inversion, they would want somebody on the hillside to monitor the facility and just write down all 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. Q. Okay. So it's a part of the process of coking the coal that's inside the oven? A. Correct. Q. Okay. Are you Method 9 certified? A. Yes. Q. How long have you been certified for Method 9? A. I believe the first time I got certified was 1999. Q. Has that certification ever lapsed? A. Never. Q. And how often do you get recertified? 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it PMO when I was with the contractors, and I did it every time there was a Stage 2 alert just about. Maybe not every time there was one. But when it was my turn to take, I would do hillside observations of the plant. Q. What's a sorry, I didn't mean to interrupt you. A. That's fine. Q. What's a Stage 2 alert? A. It is a BM — they call it EM2.5. I believe it was called PMO back in the day. When there was a temperature inversion, they would want somebody on the hillside to monitor the facility and just write down all the different emission points that you've seen, that it 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. Q. Okay. So it's a part of the process of coking the coal that's inside the oven? A. Correct. Q. Okay. Are you Method 9 certified? A. Yes. Q. How long have you been certified for Method 9? A. I believe the first time I got certified was 1999. Q. Has that certification ever lapsed? A. Never. Q. And how often do you get recertified? A. Twice a year. 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it EMIO when I was with the contractors, and I did it every time there was a Stage 2 alert just about. Maybe not every time there was one. But when it was my turn to take, I would do hillside observations of the plant. Q. What's a sorry, I didn't mean to interrupt you. A. That's fine. Q. What's a Stage 2 alert? A. It is a EM — they call it EM2.5. I believe it was called EMIO back in the day. When there was a temperature inversion, they would want somebody on the hillside to monitor the facility and just write down all the different emission points that you've seen, that it could be a bad charge on a battery, bad doors, anything 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. Q. Okay. So it's a part of the process of coking the coal that's inside the oven? A. Correct. Q. Okay. Are you Method 9 certified? A. Yes. Q. How long have you been certified for Method 9? A. I believe the first time I got certified was 1999. Q. Has that certification ever lapsed? A. Never. Q. And how often do you get recertified? A. Twice a year. Q. So you've been recertified twice a year since 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it PMIO when I was with the contractors, and I did it every time there was a Stage 2 alert just about. Maybe not every time there was one. But when it was my turn to take, I would do hillside observations of the plant. Q. What's a sorry, I didn't mean to interrupt you. A. That's fine. Q. What's a Stage 2 alert? A. It is a PM — they call it PM2.5. I believe it was called PMIO back in the day. When there was a temperature inversion, they would want somebody on the hillside to monitor the facility and just write down all the different emission points that you've seen, that it could be a bad charge on a battery, bad doors, anything that was smoking, they wanted you to report back to the 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. Q. Okay. So it's a part of the process of coking the coal that's inside the oven? A. Correct. Q. Okay. Are you Method 9 certified? A. Yes. Q. How long have you been certified for Method 9? A. I believe the first time I got certified was 1999. Q. Has that certification ever lapsed? A. Never. Q. And how often do you get recertified? A. Twice a year. Q. So you've been recertified twice a year since 1995? 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it FMO when I was with the contractors, and I did it every time there was as Stage 2 alert just about. Maybe not every time there was one. But when it was my turn to take, I would do hillside observations of the plant. Q. What's a sorry, I didn't mean to interrupt you. A. That's fine. Q. What's a Stage 2 alert? A. It is a FM — they call it FM2.5. I believe it was called PMO back in the day. When there was a temperature inversion, they would want somebody on the hillside to monitor the facility and just write down all the different emission points that you've seen, that it could be a bad charge on a battery, bad doors, anything that was smoking, they wanted you to report back to the plant and record everything on a document. 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. Q. Okay. So it's a part of the process of coking the coal that's inside the oven? A. Correct. Q. Okay. Are you Method 9 certified? A. Yes. Q. How long have you been certified for Method 9? A. I believe the first time I got certified was 1999. Q. Has that certification ever lapsed? A. Never. Q. And how often do you get recertified? A. Twice a year. Q. So you've been recertified twice a year since 1995? A. '98, I believe. 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it PMO when I was with the contractors, and I did it every time there was a Stage 2 alert just about. Maybe not every time there was one. But when it was my turn to take, I would to hillside observations of the plant. Q. What's a sorry, I didn't mean to interrupt you. A. That's fine. Q. What's a Stage 2 alert? A. It is a PM — they call it RM2.5. I believe it was called PMO back in the day. When there was a temperature inversion, they would want somebody on the hillside to monitor the facility and just write down all the different emission points that you've seen, that it could be a bad charge on a battery, bad doors, anything that was smoking, they wanted you to report back to the plant and record everything on a document. Q. Did you have a lot of occasion to do that? 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. Q. Okay. So it's a part of the process of coking the coal that's inside the oven? A. Correct. Q. Okay. Are you Method 9 certified? A. Yes. Q. How long have you been certified for Method 9? A. I believe the first time I got certified was 1999. Q. Has that certification ever lapsed? A. Never. Q. And how often do you get recertified? A. Twice a year. Q. So you've been recertified twice a year since 1995? A. '96, I believe. Q. '98? 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it PMO when I was with the contractors, and I did it every time there was as Stage 2 alert just about. Maybe not every time there was one. But when it was my turn to take, I would to hillside observations of the plant. Q. What's a sorry, I didn't mean to interrupt you. A. That's fine. Q. What's a Stage 2 alert? A. It is a PM — they call it PMO. I believe it was called PMO back in the day. When there was a temperature inversion, they would want somebody on the hillside to monitor the facility and just write down all the different emission points that you've seen, that it could be a bad charge on a battery, bad doors, anything that was smoking, they wanted you to report back to the plant and record everything on a document. Q. Did you have a lot of occasion to do that? A. Yes. 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. Q. Okay. So it's a part of the process of coking the coal that's inside the oven? A. Correct. Q. Okay. Are you Method 9 certified? A. Yes. Q. How long have you been certified for Method 9? A. I believe the first time I got certified was 1999. Q. Has that certification ever lapsed? A. Never. Q. And how often do you get recertified? A. Twice a year. Q. So you've been recertified twice a year since 1995? A. '96, I believe. Q. '98? A. Yeah. 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it FMO when I was with the contractors, and I did it every time there was as Stage 2 alert just about. Maybe not every time there was one. But when it was my turn to take, I would to hillside observations of the plant. Q. What's a sorry, I didn't mean to interrupt you. A. That's fine. Q. What's a Stage 2 alert? A. It is a FM — they call it FM2.5. I believe it was called PMO back in the day. When there was a temperature inversion, they would want somebody on the hillside to monitor the facility and just write down all the different emission points that you've seen, that it could be a bad charge on a battery, bad doors, anything that was smoking, they wanted you to report back to the plant and record everything on a document. Q. Did you have a lot of occasion to do that? A. Yes. Q. How often would you say? 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 A. Correct. Q. Is there a purpose to the lids? A. To seal up the oven. Q. And why would you want to do that? A. So no heat, emissions or anything come out of that oven so it can coke out. Q. Okay. So it's a part of the process of coking the coal that's inside the oven? A. Correct. Q. Okay. Are you Method 9 certified? A. Yes. Q. How long have you been certified for Method 9? A. I believe the first time I got certified was 1999. Q. Has that certification ever lapsed? A. Never. Q. So you've been recertified twice a year since 1995? A. '98, I believe. Q. '98? A. Yeah. Q. The county has another coke oven process 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 A. I couldn't even name a number. I would say probably at least once a day outside the facility to get an idea of what was going on in the facility. But I did hillside — they call it PMO when I was with the contractors, and I did it every time there was as Stage 2 alert just about. Maybe not every time there was one. But when it was my turn to take, I would to hillside observations of the plant. Q. What's a sorry, I didn't mean to interrupt you. A. That's fine. Q. What's a Stage 2 alert? A. It is a PM — they call it PMO. I believe it was called PMO back in the day. When there was a temperature inversion, they would want somebody on the hillside to monitor the facility and just write down all the different emission points that you've seen, that it could be a bad charge on a battery, bad doors, anything that was smoking, they wanted you to report back to the plant and record everything on a document. Q. Did you have a lot of occasion to do that? A. Yes. Q. How often would you say? A. Every time there was a Stage 2 alert. In 10 	

		597			599
1	Q. A couple dozen Stage 2 alerts?		1	they used to take turns and then it was passed on to the	
2	A. That I participated in hillside monitoring,		2	less senior employee bacause the senior employee didn't	
3	correct.		3	want to do the data entry.	
4	Q. Okay. I would just note you're taking great care		4	And then when I started, it started like that	
5	with respect to going through each inspection. Is this		5	again. I was the lesser of the senior and that person	
6	something that you typically do in your job? I mean,		6	didn't want to do it, so I did it.	
7	are you this meticulous?		7	And then we had gotten new supervisors, and he	
8	A. Yes.		8	thought it was fair for us to trade off. So if I wanted	
9	Q. Okay, let's talk about how you treat your		9	to always do it and someone else wanted to do it, they	
10	reports. When you finish your report for the day, do		10	would be allowed to take turns.	
11	you give that information to U.S. Steel?		11	Q. How long were you the less senior technician?	
12	A. They get a copy of all of my reports.		12	A. I'm trying to think when Beryl retired. I'm	
13	Q. Every day?		13	going to say he's been retired about three years, so	
14	A. Every day that I do an inspection, connect.		14	about seven years.	
15	Q. And what do you do with the reports that		15	Q. Seven years you've been doing the data entry for	
16	ultimately end up with the county?		16	both inspectors?	
17	A. I put a clip on them and then I put them into a		17	A. Correct, all the inspectors, correct.	
18	folder and then I put them into my clipboard that I		18	0. After then after Bervl is that Bervl Denne?	
19	number-banded off and I put them into a file in my		19	A. Correct.	
2.0	vehicle, and that's where they stay until I pass them on		20	\mathbf{O} . After he retired, the decision was made to	
21	to our office or my colleague for data entry.		21	alternate?	
22	O. That's something you do every week?		22	A. I don't think it was after he notired. I want to	
23	A. Every other week.		23	hark up here a little hit.	
24	O Evenu other week?		24	When Carry and hived about five years and I went	
25	A Correct		25	to say up ant a supervisory and I think around that	
20	,			o sig , as got a sign visce , and a daile about and	
					-
		598			600
1	Q. Okay, explain that process. You mentioned that		1	time, he determined — so maybe about five years I was	
2	you bring it into who? Who do you bring it to into the		2	doing it by myself.	
3	office?		3	Q. Okay. Who is your supervisor?	
4	A. I bring it in and I do the data entry and then I		4	A. Bill Rousche (phonetic.)	
5	eventually pass it on to Carl.		5	Q. So Bill Rousche decided it was more fair for you	
6	Q. Who is Carl?		6	to take turns in entering the data for both you and	
7	A. Carl Dettlinger he is right over here at		7	Gary?	
8	the office. He's - I don't know his actual title, but		8	A. Connect.	
9	he takes them after I'm done with them. I'm not sure		9	Q. And you do that on payday; is that correct?	
10	exactly what he does with them.	1	LO	A. Connect.	
11	Q. But before you give it off to Carl, what do you	1	.1	Q. So once a month you come in, and then once a	
12	do with the reports?	1	2	month he cames in?	
13	A. I enter it into a spreadsheet.	1	.3	A. Correct.	
14	Q. What do you mean by enter it in?		4	O. Garv comes in?	
15	A. I take all the data from the inspections and I	1	5	A. Correct.	
16			6	Ω . And in entering the data, have you ever caught an	
	put them into a - into the computer into a somedisheet			the first in encountry the sheat have for ever caught an	
17	put them into a - into the computer into a spreadsheet.	1	7	ermr?	
17 18	 put them into a - into the computer into a spreadsheet so each inspection gets reviewed from our office. O. And you do that just with your inspections? 	1	.7	error? A. Yes.	
17 18 19	 put them into a - into the computer into a spreadsheet so each inspection gets reviewed from our office. Q. And you do that just with your inspections? A. Mine and Gary's. 	1	.7 .8	error? A. Yes. O. Your error?	
17 18 19 20	 put them into a into the computer into a spreadsheet so each inspection gets reviewed from our office. Q. And you do that just with your inspections? A. Mine and Gary's. Q. Yours and Gary's? 	1	.7 .8 .9	error? A. Yes. Q. Your error? A. Yes.	
17 18 19 20 21	 put them into a into the computer into a spreadsheet so each inspection gets reviewed from our office. Q. And you do that just with your inspections? A. Mine and Gary's. Q. Yours and Gary's? A. Correct. 	1 1 1 2 2	.7 .8 .9	error? A. Yes. Q. Your error? A. Yes. Q. Garu's error?	
17 18 19 20 21 22	 put them into a - into the computer into a spreadsheet so each inspection gets reviewed from our office. Q. And you do that just with your inspections? A. Mine and Gary's. Q. Yours and Gary's? A. Correct. Q. Any particular reason why you would do Carv's and 	1 1 1 2 2	.7 .8 .9 10	error? A. Yes. Q. Your error? A. Yes. Q. Gary's error? A. Yes	
17 18 19 20 21 22 23	<pre>put them into a into the computer into a spreadsheet so each inspection gets reviewed from our office. Q. And you do that just with your inspections? A. Mine and Gary's. Q. Yours and Gary's? A. Correct. Q. Any particular reason why you would do Gary's as well?</pre>	1 1 1 2 2 2	.7 .8 .9 .0 .1 .2	error? A. Yes. Q. Your error? A. Yes. Q. Gary's error? A. Yes. Q. What do you do with that?	
17 18 19 20 21 22 23 24	 put them into a - into the computer into a spreadsheet so each inspection gets reviewed from our office. Q. And you do that just with your inspections? A. Mine and Gary's. Q. Yours and Gary's? A. Correct. Q. Any particular reason why you would do Gary's as well? A. There's a little mapper. Like hode is mapping. 	1 1 1 2 2 2 2 2	.7 .8 .9 .0 .1 .2 .3	error? A. Yes. Q. Your error? A. Yes. Q. Gary's error? A. Yes. Q. What do you do with that? A. If it is Gary's error. I trut to get shold of him	
17 18 19 20 21 22 23 24 25	 put them into a - into the computer into a spreadsheet so each inspection gets reviewed from our office. Q. And you do that just with your inspections? A. Mine and Gary's. Q. Yours and Gary's? A. Correct. Q. Any particular reason why you would do Gary's as well? A. There's a little reason. Like, back in my 	1 1 1 2 2 2 2 2 2 2 2	.7 .8 .9 .0 .1 .2 .3 .4	error? A. Yes. Q. Your error? A. Yes. Q. Gary's error? A. Yes. Q. What do you do with that? A. If it is Gary's error, I try to get shold of him	

		601			603
1	If it's something simple, I might go over to my		1	${\bf Q}.$ How far along are you in that packet, by the way?	
2	supervisor and ask him to watch me edit it, make a copy.		2	A. It looks like I'm almost half.	
3	And if I catch my own, I just make the connection		3	${\sf Q}_{*}$. What's the page number? At the bottom of the	
4	and pass it onto the Veolia escort with a revised copy.		4	page, you'll see an ACHD number. How far along are you?	
5	${\sf Q}.$ What kind of error would you coordinate with your		5	A. It looks like ACHD002424.	
6	supervisor over? You mentioned that you would edit it		6	${\sf Q}.$ Okay. I'm going to have you continue doing your	
7	and have him oversee that edit?		7	review of this. But for the moment, I'm going to have	
8	A. Yeah, I'm not sure. If it's something a little		8	you flip to ACHD650.	
9	bit complex, like a violation, it might be something		9	HEARING OFFICER SLATER: Is that one of the ones	
10	like that. But if it is just a simple typo, I wouldn't		10	she's already looked through?	
11	do that. And if he wasn't available, I wouldn't be able		11	MR. WILLIS: That's a good question. I don't	
12	to do that.		12	know.	
13	${\sf Q}.~$ If it's Gary's error and it was a simple typo,		13	MS. CROWLEY: There's no way I'm going to find	
14	how would you know? What kind of typo would it be?		14	this, am I? Sorry about this.	
15	A. If it was 2018 and he wrote down 2017.		15	HEARING OFFICER SLATER: Are the pages numbered?	
16	${\sf Q}.$ Oh, I see. In your inspections or as a part of		16	MR. WILLIS: They are. They are all numbered.	
17	your inspections, you do not do actual visible emission		17	They should all be sequential.	
18	observations for the coke side of Battery B?		18	HEARING OFFICER SLATER: Okay.	
19	A. Connect, I do not.		19	MR. PARKER: So what was the number again?	
20	Q. Have you ever done those observations?		20	MR. WILLIS: It is 650.	
21	A. Yes.		21	MS. CROWLEY: ACHD and the last	
22	Q. When were you doing that observation?		22	MR. WILLIS: 650.	
23	A. When I was doing Method 303 inspections with the		23	MS. CROWLEY: 650.	
2.4	contractors.		24	MR. PARKER: It should be near the bottom of your	
25	$Q.\;$ So when you were working with Veolia, you would		25	stack. Not quite that close to the bottom.	
		602			604
1	do 303?	602	1	MS. CROWLEY: 'Cause I'm coming up with 9419,	604
1 2	do 303? A. Correct.	602	1 2 3	MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So	604
1 2 3	do 303? A. Correct. Q. And to your understanding, that's what Keramida	602	1 2 3	MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this	604
1 2 3 4	do 303? A. Correct. Q. And to your understanding, that's what Keramida does now?	602	1 2 3 4	MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet.	604
1 2 3 4 5	<pre>do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. District and under the county uppying</pre>	602	1 2 3 4 5	MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q I applogize. Ms. Crowley, it looks like I	604
1 2 3 4 5 6 7	<pre>do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not does Mathed 2022</pre>	602	1 2 3 4 5 6 7	MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, Ms. Crowley, it looks like I presented that to you upsidedown. And because of the	604
1 2 3 4 5 6 7	<pre>do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not done Method 303? A. I have not</pre>	602	1 2 3 4 5 6 7 8	MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, Ms. Crowley, it looks like I presented that to you upsidedown. And because of the two-sided issue, you are working a little bit backwards	604
1 2 3 4 5 6 7 8	 do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not done Method 303? A. I have not. Q. So is doing Method 9, you do not do observations 	602	1 2 3 4 5 6 7 8 9	MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, Ms. Crowley, it looks like I presented that to you upsidedown. And because of the two-sided issue, you are working a little bit backwards from where we are.	604
1 2 3 4 5 6 7 8 9	 do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not done Method 303? A. I have not. Q. So in doing Method 9, you do not do observations on the coke side of Battery B2 	602	1 2 3 4 5 6 7 8 9	MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, Ms. Crowley, it looks like I presented that to you upsidedown. And because of the two-sided issue, you are working a little bit backwards from where we are. A. Okay, I'm on 650 now.	604
1 2 3 4 5 6 7 8 9 10	 do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not done Method 303? A. I have not. Q. So in doing Method 9, you do not do observations on the coke side of Battery B? A. Method 9? 	602	1 2 3 4 5 6 7 8 9 10 11	MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, Ms. Crowley, it looks like I presented that to you upsidedown. And because of the two-sided issue, you are working a little bit backwards from where we are. A. Okay, I'm on 650 now. Q. Okay. Could you identify this particular sheet?	604
1 2 3 4 5 6 7 8 9 10 11	 do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not done Method 303? A. I have not. Q. So in doing Method 9, you do not do observations on the coke side of Battery B? A. Method 9? Q. Yes. You don't do Method 9 observations on the 	602	1 2 3 4 5 6 7 8 9 10 11 12	MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, Ms. Crowley, it looks like I presented that to you upsidedown. And because of the two-sided issue, you are working a little bit backwards from where we are. A. Okay, I'm on 650 now. Q. Okay. Could you identify this particular sheet? A. It's a door inspection.	604
1 2 3 4 5 6 7 8 9 10 11 12 13	 do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not done Method 303? A. I have not. Q. So in doing Method 9, you do not do observations on the coke side of Battery B? A. Method 9? Q. Yes. You don't do Method 9 observations on the coke side of Battery B? 	602	1 2 3 4 5 6 7 8 9 10 11 12 13	MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, Ms. Crowley, it looks like I presented that to you upsidedown. And because of the two-sided issue, you are working a little bit backwards from where we are. A. Okay, I'm on 650 now. Q. Okay. Could you identify this particular sheet? A. It's a door inspection. Q. Okay. And is this one of your door inspections?	604
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not done Method 303? A. I have not. Q. So in doing Method 9, you do not do observations on the coke side of Battery B? A. Method 9? Q. Yes. You don't do Method 9 observations on the coke side of Battery B? A. I do not. 	602	1 2 3 4 5 6 7 8 9 10 11 12 13 14	 MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, Ms. Crowley, it looks like I presented that to you upsidedown. And because of the two-sided issue, you are working a little bit backwards from where we are. A. Okay, I'm on 650 now. Q. Okay. Could you identify this particular sheet? A. It's a door inspection. Q. Okay. And is this one of your door inspections? A. Yee, it is. 	604
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not done Method 303? A. I have not. Q. So in doing Method 9, you do not do observations on the coke side of Battery B? A. Method 9? Q. Yes. You don't do Method 9 observations on the coke side of Battery B? A. I do not. Q. Okav. Could you do observations on the coke side 	602	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, Ms. Crowley, it looks like I presented that to you upsidedown. And because of the two-sided issue, you are working a little bit backwards from where we are. A. Okay, I'm on 650 now. Q. Okay. Could you identify this particular sheet? A. It's a door inspection. Q. Okay. And is this one of your door inspections? A. Yee, it is. Q. Could you tell me when this inspection was done? 	604
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not done Method 303? A. I have not. Q. So in doing Method 9, you do not do observations on the coke side of Battery B? A. Method 9? Q. Yes. You don't do Method 9 observations on the coke side of Battery B? A. I do not. Q. Okay. Could you do observations on the coke side 	602	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, Ms. Crowley, it looks like I presented that to you upsidedown. And because of the two-sided issue, you are working a little bit backwards from where we are. A. Okay, I'm on 650 now. Q. Okay. Could you identify this particular sheet? A. It's a door inspection. Q. Okay. And is this one of your door inspections? A. Yee, it is. Q. Could you tell me when this inspection was done? A. August 4th of 2017. 	604
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not done Method 303? A. I have not. Q. So in doing Method 9, you do not do observations on the coke side of Battery B? A. Method 9? Q. Yes. You don't do Method 9 observations on the coke side of Battery B? A. I do not. Q. Okay. Could you do observations on the coke side of Battery B? A. I do not. Q. Okay. Could you do observations on the coke side of Battery B? A. From the ground to look at VEs coming off of the 	602	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, Ms. Crowley, it looks like I presented that to you upsidedown. And because of the two-sided issue, you are working a little bit backwards from where we are. A. Okay, I'm on 650 now. Q. Okay. Could you identify this particular sheet? A. It's a door inspection. Q. Okay. And is this one of your door inspections? A. Yee, it is. Q. Could you tell me when this inspection was done? A. Angust 4th of 2017. Q. And to which battery? 	604
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not done Method 303? A. I have not. Q. So in doing Method 9, you do not do observations on the coke side of Battery B? A. Method 9? Q. Yes. You don't do Method 9 observations on the coke side of Battery B? A. I do not. Q. Okay. Could you do observations on the coke side of Battery B? A. I do not. Q. Okay. Could you do observations on the coke side of Battery B? A. From the ground to look at VEs coming off of the shed, yes. 	602	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, Ms. Crowley, it looks like I presented that to you upsidedown. And because of the two-sided issue, you are working a little bit backwards from where we are. A. Okay, I'm on 650 now. Q. Okay. Could you identify this particular sheet? A. It's a door inspection. Q. Could you tell me when this inspection was done? A. August 4th of 2017. Q. And to which battery? A. B Battery. 	604
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not done Method 303? A. I have not. Q. So in doing Method 9, you do not do observations on the coke side of Battery B? A. Method 9? Q. Yes. You don't do Method 9 observations on the coke side of Battery B? A. I do not. Q. Okay. Could you do observations on the coke side of Battery B? A. I do not. Q. Okay. Could you do observations on the coke side of Battery B? A. From the ground to look at VEs coming off of the shed, yes. Q. Coming off the shed. You wouldn't be able to see 	602	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, Ms. Crowley, it looks like I presented that to you upsidedown. And because of the two-sided issue, you are working a little bit backwards from where we are. A. Okay, I'm on 650 now. Q. Okay. Could you identify this particular sheet? A. It's a door inspection. Q. Could you tell me when this inspection was done? A. August 4th of 2017. Q. Okay. There's no time on here. I see that there 	604
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not done Method 303? A. I have not. Q. So in doing Method 9, you do not do observations on the coke side of Battery B? A. Method 9? Q. Yes. You don't do Method 9 observations on the coke side of Battery B? A. I do not. Q. Okay. Could you do observations on the coke side of Battery B? A. From the ground to look at VEs coming off of the shed, yes. Q. Coming off the shed. You wouldn't be able to see a specific door, but you would be able to see emissions 	602	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, Ms. Crowley, it looks like I presented that to you upsidedown. And because of the two-sided issue, you are working a little bit backwards from where we are. A. Okay, I'm on 650 now. Q. Okay. Could you identify this particular sheet? A. It's a door inspection. Q. Okay. And is this one of your door inspections? A. Yee, it is. Q. Could you tell me when this inspection was done? A. Angust 4th of 2017. Q. And to which battery? A. B Battery. Q. Okay. There's no time on here. I see that there is a start time and an end time, but there is no time of 	604
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not done Method 303? A. I have not. Q. So in doing Method 9, you do not do observations on the coke side of Battery B? A. Method 9? Q. Yes. You don't do Method 9 observations on the coke side of Battery B? A. I do not. Q. Okay. Could you do observations on the coke side of Battery B? A. I do not. Q. Okay. Could you do observations on the coke side of Battery B? A. From the ground to look at VEs coming off of the shed, yes. Q. Coming off the shed. You wouldn't be able to see a specific door, but you would be able to see emissions coming off of the shed? 	602	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, Ms. Crowley, it looks like I presented that to you upsidedown. And because of the two-sided issue, you are working a little bit backwards from where we are. A. Ckay, I'm on 650 now. Q. Okay. Could you identify this particular sheet? A. It's a door inspection. Q. Could you tell me when this inspection was done? A. August 4th of 2017. Q. And to which battery? A. B Battery. Q. Okay. There's no time on here. I see that there is a start time and an end time, but there is no time of the actual inspection; is that fair? 	604
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not done Method 303? A. I have not. Q. So in doing Method 9, you do not do observations on the coke side of Battery B? A. Method 9? Q. Yes. You don't do Method 9 observations on the coke side of Battery B? A. I do not. Q. Okay. Could you do observations on the coke side of Battery B? A. From the ground to look at VEs coming off of the shed, yes. Q. Coming off the shed. You wouldn't be able to see a specific door, but you would be able to see emissions coming off of the shed? A. Correct. 	602	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, Ms. Crowley, it looks like I presented that to you upsidedown. And because of the two-sided issue, you are working a little bit backwards from where we are. A. Okay, I'm on 650 now. Q. Okay. Could you identify this particular sheet? A. It's a door inspection. Q. Could you tell me when this inspection was done? A. August 4th of 2017. Q. And to which battery? A. B Battery. Q. Okay. There's no time on here. I see that there is a start time and an end time, but there is no time of the actual inspection; is that fair? A. There's no times on the coke aide, no. 	604
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not done Method 303? A. I have not. Q. So in doing Method 9, you do not do observations on the coke side of Battery B? A. Method 9? Q. Yes. You don't do Method 9 observations on the coke side of Battery B? A. I do not. Q. Okay. Could you do observations on the coke side of Battery B? A. From the ground to look at VEs coming off of the shed, yes. Q. Coming off the shed. You wouldn't be able to see a specific door, but you would be able to see emissions coming off of the shed? A. Correct. Q. Do you often see emissions coming off of the 	602	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, Ms. Crowley, it looks like I presented that to you upsidedown. And because of the two-sided issue, you are working a little bit backwards from where we are. A. Okay, I'm on 650 now. Q. Okay. Could you identify this particular sheet? A. It's a door inspection. Q. Could you tell me when this inspection was done? A. August 4th of 2017. Q. And to which battery? A. B Battery. Q. Okay. There's no time on here. I see that there is a start time and an end time, but there is no time of the actual inspection; is that fair? A. There's no times on the coke side, no. Q. Okay. On the right-hand side, there's a big line 	604
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not done Method 303? A. I have not. Q. So in doing Method 9, you do not do observations on the coke side of Battery B? A. Method 9? Q. Yes. You don't do Method 9 observations on the coke side of Battery B? A. I do not. Q. Okay. Could you do observations on the coke side of Battery B? A. From the ground to look at VEs coming off of the shed, yes. Q. Coming off the shed. You wouldn't be able to see a specific door, but you would be able to see emissions coming off of the shed? A. Correct. Q. Do you often see emissions coming off of the shed? 	602	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, Ms. Crowley, it looks like I presented that to you upsidedown. And because of the two-sided issue, you are working a little bit backwards from where we are. A. Ckay, I'm on 650 now. Q. Okay. Could you identify this particular sheet? A. It's a door inspection. Q. Could you tell me when this inspection was done? A. August 4th of 2017. Q. And to which battery? A. B Battery. Q. Okay. There's no time on here. I see that there is a start time and an end time, but there is no time of the actual inspection; is that fair? A. There's no times on the coke side, no. Q. Okay. On the right-hand side, there's a big line through the coke side. Why is that? 	604
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 do 303? A. Correct. Q. And to your understanding, that's what Keramida does now? A. Correct. Q. But since you've worked with the county, you've not done Method 303? A. I have not. Q. So in doing Method 9, you do not do observations on the coke side of Battery B? A. Method 9? Q. Yes. You don't do Method 9 observations on the coke side of Battery B? A. I do not. Q. Okay. Could you do observations on the coke side of Battery B? A. From the ground to look at VEs coming off of the shed, yes. Q. Coming off the shed. You wouldn't be able to see a specific door, but you would be able to see emissions coming off of the shed? A. Correct. Q. Do you often see emissions coming off of the shed? A. Yes. 	602	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 MS. CROWLEY: 'Cause I'm coming up with 9419, that's where I'm at. And then on top of it is 2409. So I would assume it's over this way. 650 is way over this way. I didn't get to those yet. BY MR. WILLIS: Q. I apologize, MS. Crowley, it looks like I presented that to you upsidedown. And because of the two-sided issue, you are working a little bit backwards from where we are. A. Okay, I'm on 650 now. Q. Okay. Could you identify this particular sheet? A. It's a door inspection. Q. Could you tell me when this inspection was done? A. August 4th of 2017. Q. And to which battery? A. B Battery. Q. Okay. There's no time on here. I see that there is a start time and an end time, but there is no time of the actual inspection; is that fair? A. There's no times on the coke side, no. Q. Okay. On the right-hand side, there's a big line through the coke side. Why is that? 	604

		605			007
1	door observations.		1	with respect to what you are looking at, continue to do	
2	${\sf Q}.~$ But you note that on each of these B Battery		2	so as I try to ask you questions.	
3	inspections?		3	I know you may get a little reverted (phonetic;)	
4	A. Yes.		4	but I do want to make sure that at the end of this, you	
5	Q. Why do you do that?		5	can definitively say, "These are the inspections with	
6	A. It is non-observed.		6	respect to Clairton Coke Works."	
7	Q. Do you note every non-observation?		7	And if you can't say that, I would like to know	
8	A. Yes.		8	why that would be too. So please continue with that	
9	${\sf Q}.$ Do you have a lot of non-observations?		9	inspection as $\ensuremath{\mathrm{I}}$ continue to go through some of these	
10	A. For B Battery shed?		10	questions. If you could reach in and find page 1036?	
11	Q. I'm sorry, is this just for B Battery that you do		11	A. I have 1036.	
12	the non-observations?		12	${\sf Q}.$ Okay. I know this is not an inspection that was	
13	A. No.		13	performed by you, but you've trained Gary Downard in how	
14	$Q_{\boldsymbol{\cdot}}$. What other circumstances would you note something		14	to fill out one of these forms, correct?	
15	as being a non-observation for which you've noted on		15	A. Connect.	
16	your report?	:	16	$Q.\;$ Is this form consistent with your instruction?	
17	A. If it was blocked by the machine or anything else	:	17	A. Yes.	
18	that I wasn't able to observe it.	1	18	Q. What are we looking at in terms of this document	
19	${\sf Q}.$ I see. Well, at the bottom of that same page, it	1	19	here?	
20	says, "not observed" or "out-of-service ovens." And on	2	20	A. We are looking at that it's a pushing sheet by	
21	the push side, it says, "B20." Is it fair to say that	2	21	Allegheny County Health Department, Air Quality Program.	
22	B20 was out of service at that time?	2	22	The facility is the plant, and that would be U.S.S.	
23	A. Connect.	2	23	Clairton. The date is 7/3/17.	
24	${\sf Q}.~$ If you didn't observe B20, would you note that in	2	24	And we also look at his name as the inspector,	
25	some other way? Because it doesn't it doesn't look	2	25	and then we have noted that there are plant personnel,	
1 2	like there's any way to determine whether or not it's out of service or that it was just simply not observed?		1 2	which is from a Veolia personnel. We also look at the battery, the oven, the	
2	out of service or that it was just simply not observed?		2	We also look at the battery, the oven, the	
1	A. Well, the hor-occessived side and then there's a		3	information as far as the time of the code being pushed,	
5	slash, so when I do lly baberwork — and you are dut		4	and The the time that it are even had the increased	
5	there is the elements and emilian encoded but the t		4	any VEs, the time that it was quenched, the inspector's	
	there in the elements and walking around but what I		4 5	any VEs, the time that it was quenched, the inspector's position, the background, and any other important	
7	there in the elements and walking around — but what I try to do is if it's non-observed, I put it on that side		4 5 6 7	any VEs, the time that it was quenched, the inspector's position, the background, and any other important information.	
7	there in the elements and walking around — but what I try to do is if it's non-observed , I put it on that side of the block; and if it is out of service, I try to keep it arm on that side		4 5 6 7	any VEs, the time that it was quenched, the inspector's position, the background, and any other important information. Q. Is this a Method 9 observation?	
7 8 9	there in the elements and walking around — but what I try to do is if it's non-observed , I put it on that side of the block; and if it is out of service, I try to keep it over on that side.		4 5 6 7 8	any VEs, the time that it was quenched, the inspector's position, the background, and any other important information. Q. Is this a Method 9 observation? A. Correct.	
7 8 9	there in the elements and walking around — but what I try to do is if it's non-observed, I put it on that side of the block; and if it is out of service, I try to keep it over on that side. Q. So you have a process of your own for making clear what that designation means?	1	4 5 7 8 9	any VEs, the time that it was quenched, the inspector's position, the background, and any other important information. Q. Is this a Method 9 observation? A. Correct. Q. And is this observation consistent with your understanding of how Method 9 is to be calculated or to	
7 8 9 10	there in the elements and walking around — but what I try to do is if it's non-observed, I put it on that side of the block; and if it is out of service, I try to keep it over on that side. Q. So you have a process of your own for making clear what that designation means? A correct	1	4 5 7 8 9 LO	any VEs, the time that it was quenched, the inspector's position, the background, and any other important information. Q. Is this a Method 9 observation? A. Correct. Q. And is this observation consistent with your understanding of how Method 9 is to be calculated or to be observed?	
7 8 9 10 11	<pre>there in the elements and walking around but what I try to do is if it's non-observed, I put it on that side of the block; and if it is out of service, I try to keep it over on that side. Q. So you have a process of your own for making clear what that designation means? A. Connect. Q. I see And on the right side you didn't simply.</pre>	1	4 5 7 8 9 LO	any VEs, the time that it was quenched, the inspector's position, the background, and any other important information. Q. Is this a Method 9 observation? A. Correct. Q. And is this observation consistent with your understanding of how Method 9 is to be calculated or to be observed? A Yee	
7 8 9 10 11 12 13	<pre>there in the elements and walking around but what I try to do is if it's non-observed, I put it on that side of the block; and if it is out of service, I try to keep it over on that side. Q. So you have a process of your own for making clear what that designation means? A. Correct. Q. I see. And on the right side, you didn't simply put "not observed" in that same block below. Any</pre>	1111	4 5 7 8 9 10 11	any VEs, the time that it was quenched, the inspector's position, the background, and any other important information. Q. Is this a Method 9 observation? A. Correct. Q. And is this observation consistent with your understanding of how Method 9 is to be calculated or to be observed? A. Yes. Q. Okay. And would this differ in any way from the	
7 8 9 10 11 12 13 14	<pre>there in the elements and walking around but what I try to do is if it's non-observed, I put it on that side of the block; and if it is out of service, I try to keep it over on that side. Q. So you have a process of your own for making clear what that designation means? A. Correct. Q. I see. And on the right side, you didn't simply put "not observed" in that same block below. Any particular reason why?</pre>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 5 7 8 9 10 11 12 13	<pre>any VEs, the time that it was quenched, the inspector's position, the background, and any other important information. Q. Is this a Method 9 observation? A. Correct. Q. And is this observation consistent with your understanding of how Method 9 is to be calculated or to be observed? A. Yes. Q. Okay. And would this differ in any way from the way in which you would do an observation?</pre>	
7 8 9 10 11 12 13 14	<pre>there in the elements and walking around but what I try to do is if it's non-observed, I put it on that side of the block; and if it is out of service, I try to keep it over on that side. Q. So you have a process of your own for making clear what that designation means? A. Correct. Q. I see. And on the right side, you didn't simply put "not observed" in that same block below. Any particular reason why? A. With a line through it and marked as a shed, it</pre>	1 1 1 1 1	4 5 6 7 8 9 10 11 12 13 14	any VEs, the time that it was quenched, the inspector's position, the background, and any other important information. Q. Is this a Method 9 observation? A. Correct. Q. And is this observation consistent with your understanding of how Method 9 is to be calculated or to be observed? A. Yes. Q. Okay. And would this differ in any way from the way in which you would do an observation? A. No.	
7 8 9 10 11 12 13 14 15 16	<pre>there in the elements and walking around but what I try to do is if it's non-observed, I put it on that side of the block; and if it is out of service, I try to keep it over on that side. Q. So you have a process of your own for making clear what that designation means? A. Correct. Q. I see. And on the right side, you didn't simply put "not observed" in that same block below. Any particular reason why? A. With a line through it and marked as a shed, it was just a custom that that is what that meant as they</pre>	1 1 1 1 1 1	4 5 6 7 8 9 10 11 12 13 14 15 6	<pre>ary VEs, the time that it was quenched, the inspector's position, the background, and any other important information. Q. Is this a Method 9 observation? A. Correct. Q. And is this observation consistent with your understanding of how Method 9 is to be calculated or to be observed? A. Yes. Q. Okay. And would this differ in any way from the way in which you would do an observation? A. No. Q. Is this what you would expect to find in one of</pre>	
7 8 9 10 11 12 13 14 15 16 17	<pre>there in the elements and walking around but what I try to do is if it's non-observed, I put it on that side of the block; and if it is out of service, I try to keep it over on that side. Q. So you have a process of your own for making clear what that designation means? A. Correct. Q. I see. And on the right side, you didn't simply put "not observed" in that same block below. Any particular reason why? A. With a line through it and marked as a shed, it was just a custom that that is what that meant as they were not observed.</pre>	1 1 1 1 1 1 1	4 5 6 7 8 9 10 11 12 13 14 15 6 7	<pre>any VEs, the time that it was quenched, the inspector's position, the background, and any other important information. Q. Is this a Method 9 observation? A. Correct. Q. And is this observation consistent with your understanding of how Method 9 is to be calculated or to be observed? A. Yes. Q. Okay. And would this differ in any way from the way in which you would do an observation? A. No. Q. Is this what you would expect to find in one of your own observations in terms of the level of detail?</pre>	
7 8 9 10 11 12 13 14 15 16 17 18	<pre>there in the elements and walking around — but what I try to do is if it's non-observed, I put it on that side of the block; and if it is out of service, I try to keep it over on that side. Q. So you have a process of your own for making clear what that designation means? A. Correct. Q. I see. And on the right side, you didn't simply put "not observed" in that same block below. Any particular reason why? A. With a line through it and marked as a shed, it was just a custom that that is what that meant as they were not observed. Q. I understand. But this is just your own personal</pre>	1 1 1 1 1 1 1 1	4 5 6 7 8 9 10 11 12 13 14 15 16 7 8	<pre>any VEs, the time that it was quenched, the inspector's position, the background, and any other important information. Q. Is this a Method 9 observation? A. Correct. Q. And is this observation consistent with your understanding of how Method 9 is to be calculated or to be observed? A. Yes. Q. Okay. And would this differ in any way from the way in which you would do an observation? A. No. Q. Is this what you would expect to find in one of your own observations in terms of the level of detail? A. Yes.</pre>	
7 8 9 10 11 12 13 14 15 16 17 18 19	<pre>there in the elements and walking around but what I try to do is if it's non-observed, I put it on that side of the block; and if it is out of service, I try to keep it over on that side. Q. So you have a process of your own for making clear what that designation means? A. Correct. Q. I see. And on the right side, you didn't simply put "not observed" in that same block below. Any particular reason why? A. With a line through it and marked as a shed, it was just a custom that that is what that meant as they were not observed. Q. I understand. But this is just your own personal protocol for how you designate that you are looking at a</pre>	1 1 1 1 1 1 1 1 1	4 5 6 7 8 9 10 11 12 13 14 15 16 .7 .8 9	<pre>ary VEs, the time that it was quenched, the inspector's position, the background, and any other important information. Q. Is this a Method 9 observation? A. Correct. Q. And is this observation consistent with your understanding of how Method 9 is to be calculated or to be observed? A. Yes. Q. Okay. And would this differ in any way from the way in which you would do an observation? A. No. Q. Is this what you would expect to find in one of your own observations in terms of the level of detail? A. Yes. Q. Is there anything missing that you any</pre>	
7 8 9 10 11 12 13 14 15 16 17 18 19 20	<pre>there in the elements and walking around but what I try to do is if it's non-observed, I put it on that side of the block; and if it is out of service, I try to keep it over on that side. Q. So you have a process of your own for making clear what that designation means? A. Correct. Q. I see. And on the right side, you didn't simply put "not observed" in that same block below. Any particular reason why? A. With a line through it and marked as a shed, it was just a custom that that is what that meent as they were not observed. Q. I understand. But this is just your own personal protocol for how you designate that you are looking at a shed or not observing because of a shed on your reports?</pre>	1 1 1 1 1 1 1 1 1 1 1 1 2	4 5 6 7 8 9 10 11 12 13 14 15 16 7 8 9 9 10	<pre>any VEs, the time that it was quenched, the inspector's position, the background, and any other important information. Q. Is this a Method 9 observation? A. Correct. Q. And is this observation consistent with your understanding of how Method 9 is to be calculated or to be observed? A. Yes. Q. Okay. And would this differ in any way from the way in which you would do an observation? A. No. Q. Is this what you would expect to find in one of your own observations in terms of the level of detail? A. Yes. Q. Is there anything missing that you any information missing that you would find useful with</pre>	
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	<pre>there in the elements and walking around but what I try to do is if it's non-observed, I put it on that side of the block; and if it is out of service, I try to keep it over on that side. Q. So you have a process of your own for making clear what that designation means? A. Correct. Q. I see. And on the right side, you didn't simply put "not observed" in that same block below. Any particular reason why? A. With a line through it and marked as a shed, it was just a custom that that is what that meant as they were not observed. Q. I understand. But this is just your own personal protocol for how you designate that you are looking at a shed or not observing because of a shed on your reports? A. Correct. </pre>	1 1 1 1 1 1 1 1 1 1 1 1 2 2	4 5 6 7 8 9 10 11 12 13 14 15 16 7 8 9 10 11	<pre>any VEs, the time that it was quenched, the inspector's position, the background, and any other important information. Q. Is this a Method 9 observation? A. Correct. Q. And is this observation consistent with your understanding of how Method 9 is to be calculated or to be observed? A. Yes. Q. Okay. And would this differ in any way from the way in which you would do an observation? A. No. Q. Is this what you would expect to find in one of your own observations in terms of the level of detail? A. Yes. Q. Is there anything missing that you any information missing that you would find useful with respect to Method 9?</pre>	
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	<pre>there in the elements and walking around but what I try to do is if it's non-observed, I put it on that side of the block; and if it is out of service, I try to keep it over on that side. Q. So you have a process of your own for making clear what that designation means? A. Correct. Q. I see. And on the right side, you didn't simply put "not observed" in that same block below. Any particular reason why? A. With a line through it and marked as a shed, it was just a custom that that is what that meant as they were not observed. Q. I understand. But this is just your own personal protocol for how you designate that you are looking at a shed or not observing because of a shed on your reports? A. Correct. Q. Okay. You can continue.</pre>	1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2	4 5 6 7 8 9 10 11 12 13 14 15 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 10 11 12 13 14 15 16 17 18 19 10 10 11 11 12 13 14 15 16 17 18 19 10 10 10 10 10 10 10 10 10 10 10 10 10	<pre>any VEs, the time that it was quenched, the inspector's position, the background, and any other important information. Q. Is this a Method 9 observation? A. Correct. Q. And is this observation consistent with your understanding of how Method 9 is to be calculated or to be observed? A. Yes. Q. Okay. And would this differ in any way from the way in which you would do an observation? A. No. Q. Is this what you would expect to find in one of your own observations in terms of the level of detail? A. Yes. Q. Is there anything missing that you any information missing that you would find useful with respect to Method 9? A. Everything looks like it appears to be there.</pre>	
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	<pre>there in the elements and walking around but what I try to do is if it's non-observed, I put it on that side of the block; and if it is out of service, I try to keep it over on that side. Q. So you have a process of your own for making clear what that designation means? A. Correct. Q. I see. And on the right side, you didn't simply put "not observed" in that same block below. Any particular reason why? A. With a line through it and marked as a shed, it was just a custom that that is what that meant as they were not observed. Q. I understand. But this is just your own personal protocol for how you designate that you are looking at a shed or not observing because of a shed on your reports? A. Correct. Q. Okay. You can continue. A. Okay. Are we done with that B Battery one?</pre>	1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2	4 5 6 7 8 9 10 11 12 13 14 15 16 .7 .8 9 20 21 22 3	<pre>any VEs, the time that it was quenched, the inspector's position, the background, and any other important information. Q. Is this a Method 9 observation? A. Correct. Q. And is this observation consistent with your understanding of how Method 9 is to be calculated or to be observed? A. Yes. Q. Okay. And would this differ in any way from the way in which you would do an observation? A. No. Q. Is this what you would expect to find in one of your own observations in terms of the level of detail? A. Yes. Q. Is there anything missing that you any information missing that you would find useful with respect to Method 9? A. Everything looks like it appears to be there. Q. Okay. I want to move to 1550.</pre>	
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	<pre>there in the elements and walking around but what I try to do is if it's non-observed, I put it on that side of the block; and if it is out of service, I try to keep it over on that side. Q. So you have a process of your own for making clear what that designation means? A. Correct. Q. I see. And on the right side, you didn't simply put "not observed" in that same block below. Any particular reason why? A. With a line through it and marked as a shed, it was just a custom that that is what that meant as they were not observed. Q. I understand. But this is just your own personal protocol for how you designate that you are looking at a shed or not observing because of a shed on your reports? A. Correct. Q. Okay. You can continue. A. Ckay. Are we done with that B Battery one? Q. Yes. And I would just say, you know, to the</pre>	1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2	4 5 6 7 8 9 10 11 12 13 14 15 6 7 8 9 0 11 22 3 4	 any VEs, the time that it was quenched, the inspector's position, the background, and any other important information. Q. Is this a Method 9 observation? A. Correct. Q. And is this observation consistent with your understanding of how Method 9 is to be calculated or to be observed? A. Yes. Q. Okay. And would this differ in any way from the way in which you would do an observation? A. No. Q. Is this what you would expect to find in one of your own observations in terms of the level of detail? A. Yes. Q. Is there anything missing that you any information missing that you would find useful with respect to Method 9? A. Everything looks like it appears to be there. Q. Okay. I want to move to 1550. HEARING OFFICER SLATER: 1550? 	
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	<pre>there in the elements and walking around but what I try to do is if it's non-observed, I put it on that side of the block; and if it is out of service, I try to keep it over on that side. Q. So you have a process of your own for making clear what that designation means? A. Correct. Q. I see. And on the right side, you didn't simply put "not observed" in that same block below. Any particular reason why? A. With a line through it and marked as a shed, it was just a custom that that is what that meant as they were not observed. Q. I understand. But this is just your own personal protocol for how you designate that you are looking at a shed or not observing because of a shed on your reports? A. Correct. Q. Okay. You can continue. A. Okay. Are we done with that B Battery one? Q. Yes. And I would just say, you know, to the extent that you need to go through and satisfy yourself</pre>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2	4 5 6 7 8 9 10 11 12 13 14 15 16 7 8 9 20 11 22 33 4 5 5	 any VEs, the time that it was quenched, the inspector's position, the background, and any other important information. Q. Is this a Method 9 observation? A. Correct. Q. And is this observation consistent with your understanding of how Method 9 is to be calculated or to be observed? A. Yes. Q. Okay. And would this differ in any way from the way in which you would do an observation? A. No. Q. Is this what you would expect to find in one of your own observations in terms of the level of detail? A. Yes. Q. Is there anything missing that you any information missing that you would find useful with respect to Method 9? A. Everything looks like it appears to be there. Q. Okay. I want to move to 1550. HEARING OFFICER SLATER: 1550? MR. WILLIS: 1550, yes, sir. 	

		609			613
1	MS. CROWLEY: It looks like it's out of order.		1	Q. And the PS?	
2	I'm on 1550.		2	A. Pusher side.	
3	BY MR. WILLIS:		3	${\sf Q}.~$ And this is what you use for every charging	
4	Q. Okay. What are we looking at here?		4	inspection?	
5	A. I'm looking at the Allegheny County Health		5	A. Correct.	
6	Department's soaking and emissions observation of the		6	${\sf Q}.~$ And this is what Gary would use as well?	
7	Clairton plant on 7/11/17, the Air Quality Program, from		7	A. Connect.	
8	Angela Crowley and plant personnel at Veolia, and it's		8	${\sf Q}.~$ And is this consistently used? Do you use	
9	scalking.		9	different forms for doing your charging observations?	
10	${f Q}.$ Okay. Is this indicative of the soaking	:	10	A. This looks like the standard form that I've been	
11	observation form that you used?	:	11	using for a while.	
12	A. Correct.	:	12	Q. Okay. I'm going to move to 9385.	
13	\mathbf{Q} . And there's been no change to the observation	:	13	A. I have the 9385.	
14	report, to your knowledge?		14	Q. Okay. What are we looking at here?	
15	A. Can you please repeat that?	1	15	A. This, again, is the Allegheny Health Department,	
16	${\sf Q}.$ There's been no change to the way in which you	1	16	Air Quality Program, topside inspection for the U.S.S.	
17	make your visible emission observations with respect to	:	17	Clairton plant on February 1st, 2018, B Batbery. The	
18	soaking?	:	18	inspector is myself along with a plant personnel from	
19	A. No, this looks correct.	:	19	Veolia.	
20	\mathbf{Q}_{\star} And this is a sort of document that you would	12	20	${\bf Q}.$ Okay. This also has the rectangular box at the	
21	have reviewed with Gary in terms of his training?	2	21	top?	
22	A. Yes.	2	22	A. Uh-huh (affirmative.)	
23	${\bf Q}.~$ And when you enter the data for Gary on those	2	23	${\sf Q}.$ Where it says, "push side/coke side," there is a	
24	occasions in which you do, this is consistent with what	2	24	some line through the middle of that. What does that	
25	you found in terms of the	2	25	line mean?	
1	 Yeah. Q. I'll finish in terms of the amount of data? 		1 2	A. That's showing the direction of the wind going from the coke side to the pusher side.	
3	A. Yes.		3	Q. Do you always have that notation in there?	
4	Q. Okay. This one should be a little easier to		4	A. I try to, yes.	
5	find. The numbers are a little bit larger. I'm looking	1	5	Q. What's the point of that?	
6	at 8137. I apologize if I'm messing you up a little		6	A. There isn't.	
7	bit.		7	Q. Okay. With respect to your observations here, it	
8	A. You're fine.		8	looks like under "lids," that is stricken out. Why is	
9	Q. Okay, thank you.		9	that?	
10	A. I have 8137.	1	10	A. There's no lids leaking.	
11	Q. Okay. What are we looking at here?		11	Q. So you only note the leaks?	
12	A. This looks like the Allegheny County Health	1	12	A. Correct.	
13	Department, Air Quality Charging Inspection for U.S.S.	1	13	${\sf Q}.~$ And if there are no leaks, you'd put a line	
14	Clairton on January 9th, 2018, with the inspector as	1	14	through that column?	
15	myself and the plant personnel on 3 Battery for		15	A. I tried to remember to do that, yes, just to show	
16	charging.	1	16	that I actually did the lid observation and it wasn't	
17	${\tt Q}.$ Okay. This chart looks a little bit different	1	17	left hanging with a blank.	
18	from the ones that we've seen before. What are we	1	18	${\sf Q}.$ Okay. And because you are on the topside and it	
19	looking at in that rectangular box?		19	says push side/coke side, what leaks are you seeing	
20	A. This just represents that this is the battery and	2	20	there? What emissions are you seeing when it just says,	
21	I'm on the battery doing charging observations.	2	21	"Push side, A18"? You're on the topside of the battery.	
22	Q. Okay. What is CS?	2	22	Where are you seeing those emissions coming from?	
23	A. Can you please repeat that?	2	23	A. The pusher side of the Al8 is what they called a	
24	Q. What is CS on that rectangle?		24	dempered-off oven. So it comes out of the calculation	
25	A. Coke side.	2	25	Dut it is not counted as a leak, i delleve. So we are	

	61	.3		61.5
1	noting the dampened-off ovens, we are noting any of the	1	see a flame at the standpipe?	
2	leaks from any of the ovens, along with any of the lid	2	A. I don't know the reasoning why the flame and the	
3	leaks on that topside inspection.	3	no flame, but that was something that we were just	
4	${\sf Q},~$ So you're just looking for emissions here? You	4	trained to observe.	
5	are not really determining violations necessarily?	5	Q. Okay. So you're not making any assessment as to	
6	A. I'm looking for anything that's leaking on the	6	what you are seeing, you are just noting what you are	
7	topside inspection, not a violation, just a leak.	7	observing?	
8	Q. Okay. A20 and A22, same thing?	8	A. Connect.	
9	A. Correct.	9	Q. Okay. Have you ever been instructed as to how to	
10	${\sf Q}.$ And what about on the coke side, what are you	10	do your well, let me rephrase that.	
11	looking at when it says "A20" and there is a D there?	11	Not how to do your inspection, but what order or	
12	Is that the damper for coke side?	12	what batteries to inspect in any particular order?	
13	A. Connect.	13	A. We were just asked to at least get one inspection	
14	${\sf Q}.$ Could you explain the other letters that go	14	type off of each of the batteries per month, and then	
15	across that row: D, C, F, S, B, P, O?	15	everything else was more or less left up to the	
16	A. The D is for dampered-off ovens. The C is for	16	inspectors.	
17	the cap. The F is for the flange. The S is for the	17	Q. Do you understand the reasoning as to why that	
18	slip joint. The B is for the base. The P is for the	18	request was made?	
19	piping. And "other" is for the O.	19	A. My understanding was that there is a question	
20	Q. Okay. I'm going to look moving to this	20	asked about a particular place and time on a particular	
21	will be a little difficult to see, but it is page 3153.	21	month and there was no information, there was no answer.	
22	It is in small type. What do we have here?	22	So we were asked to at least get that.	
23	A. 3153?	23	Q. Do you do an inspection of every battery every	
24	Q. Yes.	24	day?	
25	A. Okay.	25	A. No.	
	614	1		616
1	 Q. Okay, what are we looking at here? A. This looks like the Allechery County Health 	1	\mathbf{Q} . Would it be feasible to do that in an eight-hour shift?	616
1 2 3	Q. Okay, what are we looking at here? A. This looks like the Allegheny County Health Department, Air Quality Program's soaking emissions	1 1 2 3	Q. Would it be feasible to do that in an eight-hour shift? A. No.	616
1 2 3 4	 Q. Okay, what are we looking at here? A. This looks like the Allegheny County Health Department, Air Quality Program's soaking emissions observation for U.S.S. Clairton plant on March 12th, 	1 1 2 3 4	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. 	616
1 2 3 4 5	 Q. Okay, what are we looking at here? A. This looks like the Allegheny County Health Department, Air Quality Program's soaking emissions observation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Plant 	1 1 2 3 4 5	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover 	616
1 2 3 4 5 6	 Q. Okay, what are we looking at here? A. This looks like the Allegheny County Health Department, Air Quality Program's soaking emissions observation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Plant personnel would be Veolia on 2 Battery soaking 	1 2 3 4 5 6	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? 	616
1 2 3 4 5 6 7	 Q. Okay, what are we looking at here? A. This looks like the Allegheny County Health Department, Air Quality Program's soaking emissions observation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Plant personnel would be Veolia on 2 Battery soaking observations. 	1 2 3 4 5 6 7	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? A. No. 	616
1 2 3 4 5 6 7 8	 Q. Okay, what are we looking at here? A. This looks like the Allegheny County Health Department, Air Quality Program's soaking emissions observation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Plant personnel would be Veolia on 2 Battery soaking observations. Q. Okay. Right below where it says, "Method 9 	1 2 3 4 5 6 7 8	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? A. No. Q. Prior to being asked to take to make those 	616
1 2 3 4 5 6 7 8 9	 Q. Okay, what are we looking at here? A. This looks like the Allegheny County Health Department, Air Quality Program's soaking emissions observation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Plant personnel would be Veolia on 2 Battery soaking observations. Q. Okay. Right below where it says, "Method 9 readings," there are a number of letters, for lack of a 	1 2 3 4 5 6 7 8 9	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? A. No. Q. Prior to being asked to take to make those inspections in that fashion, what was the protocol for 	616
1 2 3 4 5 6 7 8 9 10	 Q. Okay, what are we looking at here? A. This looks like the Allegheny County Health Department, Air Quality Program's soaking emissions observation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Plant personnel would be Veolia on 2 Battery soaking observations. Q. Okay. Right below where it says, "Method 9 readings," there are a number of letters, for lack of a better term. Could you explain what we are looking at 	1 2 3 4 5 6 7 8 9 10	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? A. No. Q. Prior to being asked to take to make those inspections in that fashion, what was the protocol for inspections in terms of the number of batteries and the 	616
1 2 3 4 5 6 7 8 9 10 11	 Q. Okay, what are we looking at here? A. This looks like the Allegheny County Health Department, Air Quality Program's soaking emissions observation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Plant personnel would be Veolia on 2 Battery soaking observations. Q. Okay. Right below where it says, "Method 9 readings," there are a number of letters, for lack of a better term. Could you explain what we are looking at where it says 0:00 F or NF? 	1 2 3 4 5 6 7 8 9 10 11	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? A. No. Q. Prior to being asked to take to make those inspections in that fashion, what was the protocol for inspections in terms of the number of batteries and the batteries particularly to observe? 	616
1 2 3 4 5 6 7 8 9 10 11 12	 Q. Okay, what are we looking at here? A. This looks like the Allegheny County Health Department, Air Quality Program's soaking emissions observation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Plant personnel would be Veolia on 2 Battery soaking observations. Q. Okay. Right below where it says, "Method 9 readings," there are a number of letters, for lack of a better term. Could you explain what we are looking at where it says 0:00 F or NF? A. Yeeh. The time would be the starting time of the 	1 2 3 4 5 6 7 8 9 10 11 12	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? A. No. Q. Prior to being asked to take to make those inspections in that fashion, what was the protocol for inspections in terms of the number of batteries and the batteries particularly to observe? A. There wasn't any. 	616
1 2 3 4 5 6 7 8 9 10 11 12 13	 Q. Okay, what are we looking at here? A. This looks like the Allegheny County Health Department, Air Quality Program's soaking emissions observation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Plant personnel would be Veolia on 2 Battery soaking observations. Q. Okay. Right below where it says, "Method 9 readings," there are a number of letters, for lack of a better term. Could you explain what we are looking at where it says 0:00 F or NF? A. Yeeh. The time would be the starting time of the observation, and then the F was representing flame, and 	1 2 3 4 5 6 7 8 9 10 11 12 13	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? A. No. Q. Prior to being asked to take to make those inspections in that fashion, what was the protocol for inspections in terms of the number of batteries and the batteries particularly to observe? A. There wasn't any. Q. When did that change? 	616
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. Okay, what are we looking at here? A. This looks like the Allegheny County Health Department, Air Quality Program's soaking emissions observation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Plant personnel would be Veolia on 2 Battery soaking observations. Q. Okay. Right below where it says, "Method 9 readings," there are a number of letters, for lack of a better term. Could you explain what we are looking at where it says 0:00 F or NF? A. Yeah. The time would be the starting time of the observation, and then the F was representing flame, and the NF was representing no flame. Is that what you're 	1 1 2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? A. No. Q. Prior to being asked to take to make those inspections in that fashion, what was the protocol for inspections in terms of the number of batteries and the batteries particularly to observe? A. There wasn't any. Q. When did that change? A. I believe when Dean Deluca came on for our 	616
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 Q. Okay, what are we looking at here? A. This looks like the Allegheny County Health Department, Air Quality Program's soaking emissions observation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Plant personnel would be Veolia on 2 Battery soaking observations. Q. Okay. Right below where it says, "Method 9 readings," there are a number of letters, for lack of a better term. Could you explain what we are looking at where it says 0:00 F or NF? A. Yeeh. The time would be the starting time of the observation, and then the F was representing flame, and the NF was representing no flame. Is that what you're asking? 	1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? A. No. Q. Prior to being asked to take to make those inspections in that fashion, what was the protocol for inspections in terms of the number of batteries and the batteries particularly to observe? A. There wasn't any. Q. When did that change? A. I believe when Dean Deluca came on for our manager. 	616
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. Okay, what are we looking at here? A. This looks like the Allegheny County Health Department, Air Quality Program's soaking emissions observation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Plant personnel would be Veolia on 2 Battery soaking observations. Q. Okay. Right below where it says, "Method 9 readings," there are a number of letters, for lack of a better term. Could you explain what we are looking at where it says 0:00 F or NF? A. Yeeh. The time would be the starting time of the observation, and then the F was representing flame, and the NF was representing no flame. Is that what you're asking? Q. Yes. 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? A. No. Q. Prior to being asked to take to make those inspections in that fashion, what was the protocol for inspections in terms of the number of batteries and the batteries particularly to observe? A. There wasn't ary. Q. When did that change? A. I believe when Dean Deluca came on for our manager. Q. So it was within the past 10 years? 	616
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Q. Okay, what are we looking at here? A. This looks like the Allegheny County Health Department, Air Quality Program's soaking emissions observation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Plant personnel would be Veolia on 2 Battery soaking observations. Q. Okay. Right below where it says, "Method 9 readings," there are a number of letters, for lack of a better term. Could you explain what we are looking at where it says 0:00 F or NF? A. Yeah. The time would be the starting time of the observation, and then the F was representing flame, and the NF was representing no flame. Is that what you're asking? Q. Yes. A. Okay. 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? A. No. Q. Prior to being asked to take to make those inspections in that fashion, what was the protocol for inspections in terms of the number of batteries and the batteries particularly to observe? A. There wasn't any. Q. When did that change? A. I believe when Dean Deluce case on for our menager. Q. So it was within the past 10 years? A. Yes. 	616
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. Okay, what are we looking at here? A. This looks like the Allegheng County Health Department, Air Quality Program's soaking emissions observation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Plant personnel would be Veolia on 2 Battery soaking observations. Q. Okay. Right below where it says, "Method 9 readings," there are a number of letters, for lack of a better term. Could you explain what we are looking at where it says 0:00 F or NF? A. Yeeh. The time would be the starting time of the observation, and then the F was representing flame, and the NF was representing no flame. Is that what you're asking? Q. Yes. A. Ckay. Q. What does flame or no flame mean? 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? A. No. Q. Prior to being asked to take to make those inspections in that fashion, what was the protocol for inspections in terms of the number of batteries and the batteries particularly to observe? A. There wasn't ary. Q. When did that change? A. I believe when Dean Deluca came on for our manager. Q. So it was within the past 10 years? A. Yees. Q. Okay. Did you have any interactions, when you 	616
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 Q. Okay, what are we looking at here? A. This looks like the Allegheng County Health Department, Air Quality Program's soaking emissions deservation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Plant personnel would be Veolia on 2 Battery soaking deservations. Q. Okay. Right below where it says, "Method 9 readings," there are a number of letters, for lack of a better term. Could you explain what we are looking at where it says 0:00 F or NF? A. Yeah. The time would be the starting time of the deservation, and then the F was representing flame, and the NF was representing no flame. Is that what you're asking? Q. Yes. A. Okay. What does flame or no flame mean? A. They were determining if you see a flame or if 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? A. No. Q. Prior to being asked to take to make those inspections in that fashion, what was the protocol for inspections in terms of the number of batteries and the batteries particularly to observe? A. There wasn't any. Q. When did that change? A. I believe when Dean Deluca came on for our manager. Q. So it was within the past 10 years? A. Yes. Q. Okay. Did you have any interactions, when you were with Veolia, did you have any interactions with the 	616
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. Okay, what are we looking at here? A. This looks like the Allegheny County Health Department, Air Quality Program's soaking emissions deservation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Plant personnel would be Veolia on 2 Battery soaking teservations. Q. Okay. Right below where it says, "Method 9 readings," there are a number of letters, for lack of a better term. Could you explain what we are looking at where it says 0:00 F or NF? A. Yeah. The time would be the starting time of the disservation, and then the F was representing flame, and the NF was representing no flame. Is that what you're taking? Q. Yes. A. Okay. Q. What does flame or no flame mean? A. They were determining if you see a flame or if you dich't see a flame. So no flame can also be clear 	1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? A. No. Q. Prior to being asked to take to make those inspections in that fashion, what was the protocol for inspections in terms of the number of batteries and the batteries particularly to observe? A. There wasn't any. Q. When did that change? A. I believe when Dean Deluca came on for our manager. Q. Okay. Did you have any interactions, when you were with Veolia, did you have any interactions with the then-ACHD inspectors? 	616
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. Okay, what are we looking at here? A. This looks like the Allegheng County Health Department, Air Quality Program's soaking emissions deservation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Plant personnel would be Veolia on 2 Battery soaking servations. Q. Okay. Right below where it says, "Method 9 readings," there are a number of letters, for lack of a better term. Could you explain what we are looking at where it says 0:00 F or NF? A. Yeeh. The time would be the starting time of the doservation, and then the F was representing flame, and the flame. Is that what you're saking? Q. Yes. A. Gay. Q. What does flame or no flame mean? A. They were determining if you see a flame or if you dich't see a flame. So no flame can also be clear or no flame can have an emissions value. The flame, you 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? A. No. Q. Prior to being asked to take to make those inspections in that fashion, what was the protocol for inspections in terms of the number of batteries and the batteries particularly to observe? A. There waen't ary. Q. When did that change? A. I believe when Dean Deluca came on for our manager. Q. Okay. Did you have any interactions, when you were with Veolia, did you have any interactions with the then-ACHD inspectors? A. Yes. 	616
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Okay, what are we looking at here? A. This looks like the Allegheng County Health Agertment, Air Quality Program's soaking emissions deservation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Flant personnel would be Veolia on 2 Battery soaking teservations. Q. Okay. Right below where it says, "Method 9 readings," there are a number of letters, for lack of a better term. Could you explain what we are looking at where it says 0:00 F or NF? A. Yeah. The time would be the starting time of the doservation, and then the F was representing flame, and the K was representing flame, and the K was representing no flame. Is that what you're aking? Q. Yes. A. Okay. A. They were determining if you see a flame or if you didn't see a flame. So no flame can also be clear or no flame can also be clear or no flame can have an emissions value. The flame, you can clearly see a flame or a flame with emissions. 	1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? A. No. Q. Prior to being asked to take to make those inspections in that fashion, what was the protocol for inspections in terms of the number of batteries and the batteries particularly to observe? A. There wasn't any. Q. When did that change? A. I believe when Dean Deluca came on for our manager. Q. So it was within the past 10 years? A. Yes. Q. Okay. Did you have any interactions, when you were with Veolia, did you have any interactions with the then-ACHD inspectors? A. Yes. Q. Did you understand what they were doing, why you 	616
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 A. Okay, what are we looking at here? A. This looks like the Allegheny County Health Department, Air Quality Program's soaking emissions doservation for U.S.S. Clairton plant on March 12th, 2019, with the inspector as Gary Downard. Elant personnel would be Veolia on 2 Eattery soaking tearvations. Q. Okay. Right below where it says, "Method 9 readings," there are a number of letters, for lack of a better term. Could you explain what we are looking at where it says 0:00 F or NF? A. Yeah. The time would be the starting time of the observation, and then the F was representing flame, and the NF was representing no flame. Is that what you're asking? Q. Yes. A. They were determining if you see a flame or if you dich't see a flame or no flame can also be clear or no flame can have an emissions value. The flame, you can clearly see a flame or a flame with emissions. Q. Where is the flame coming from? 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? A. No. Q. Prior to being asked to take to make those inspections in that fashion, what was the protocol for inspections in terms of the number of batteries and the batteries particularly to observe? A. There wasn't any. Q. When did that change? A. I believe when Dean Deluca came on for our manager. Q. Okay. Did you have any interactions, when you were with Veolia, did you have any interactions with the then-ACHD inspectors? A. Yes. Q. Did you understand what they were doing, why you were doing your Method 303 inspections? 	616
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 A this looks like the Alleghery County Health Department, Air Quality Program's soaking emissions deservation for U.S.S. Clairton plant on March 12th, 2018, with the inspector as Gary Downard. Plant personnel would be Veolia on 2 Battery soaking theorem is soaking emissions deservations. A Okay. Right below where it says, "Method 9 readings," there are a number of letters, for lack of a better term. Could you explain what we are looking at where it says 0:00 F or NF? A Yeeh. The time would be the starting time of the observation, and then the F was representing flame, and the NF was representing flame. Is that what you're saking? Q. Yes. A. Cray. G. What does flame or no flame mean? A. They were determining if you see a flame or if you dich't see a flame. So no flame can also be clear or no flame can have an emissions value. The flame, you can clearly see a flame or a flame with emissions. Q. Where is the flame coming from? 	1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Q. Would it be feasible to do that in an eight-hour shift? A. No. Q. There are only two inspectors for the county. Would it be feasible for the two inspectors to cover that territory in that period of time? A. No. Q. Prior to being asked to take to make those inspections in that fashion, what was the protocol for inspections in terms of the number of batteries and the batteries particularly to observe? A. There wasn't ary. Q. When did that change? A. I believe when Dean Deluce came on for our manager. Q. Okay. Did you have any interactions, when you were with Veolia, did you have any interactions with the then-ACHD inspectors? A. Yas. Q. Did you understand what they were doing, why you were doing your Method 303 inspections? A. Yas, 'cause I was also doing Method 9 inspections 	616

		617			619
1	Q. For Veolia?		1	A. Correct.	
2	A. Correct.		2	Q. And every day, you fill out handwritten	
3	MR. WILLIS: I have no more questions.		3	inspection sheets; is that right?	
4	HEARING OFFICER SLATER: This seems like a good		4	A. Yes.	
5	time to take our mid-morning break.		5	${\sf Q}.~$ And then at the end of the day, you take your	
6	(The hearing recessed at 10:25 a.m. and		6	handwritten inspection sheets and you keep them in the	
7	reconvened at 10:35 a.m.)		7	trunk of your car?	
8	HEARING OFFICER SLATER: Are we ready to pick		8	A. Connect.	
9	back up?		9	${\sf Q}.~$ And then on some basis, either you or your	
10	MR. WILLIS: Max, I failed to note at the		10	colleague, Gary, the other inspector, come down to this	
11	beginning of the break that I wanted to get that		11	building and hand enter that data into an Excel file, in	
12	document admitted.		12	a computer?	
13	HEARING OFFICER SLATER: Yeah.		13	A. Correct.	
14	MR. WILLIS: So I would move to have that the		14	${\sf Q}.~$ The visible emissions inspections you do on the	
15	inspection reports admitted as Exhibit 25.		15	batteries are for charging ports, offtakes, doors and	
16	HEARING OFFICER SLATER: Any objection, Mr.		16	pushing; is that correct?	
17	Dausch?		17	A. Correct.	
18	MR. DAUSCH: No objection.		18	Q. Anything else?	
19	HEARING OFFICER SLATER: All right, ACHD 25 is		19	A. Scalking.	
20	admitted.		20	Q. Is soaking for visible emissions or for opacity?	
21	MR. WILLIS: Thank you.		21	A. Both.	
22	HEARING OFFICER SLATER: As with separate other		22	Q. Okay. Anything else you do visible emission	
23	exhibits, we can take care of the double-sided issue at		23	inspections for?	
24	the conclusion of the hearing or whenever there's a		24	A. I believe that's it.	
25	convenient point to do that.		25	Q. You do opacity inspections for doors and soaking?	
		618			620
1		OID			
	Mr. Dausch, did vou have some questions for Ms.		1	A. Correct.	
2	Mr. Dausch, did you have some questions for Ms.		1 2	A. Correct.Q. Anything else?	
2	Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do.		1 2 3	A. Correct.Q. Anything else?A. Pushing.	
2 3 4	Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. CROSS-EXAMINATION		1 2 3 4	 A. Correct. Q. Anything else? A. Pushing. Q. Anything else? 	
2 3 4 5	Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. <u>CROSS-EXAMINATION</u> BY MR. DAUSCH:		1 2 3 4 5	 A. Correct. Q. Anything else? A. Pushing. Q. Anything else? A. Traveling. 	
2 3 4 5 6	Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. <u>CROSS-EXAMINATION</u> BY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections		1 2 3 4 5 6	 A. Correct. Q. Anything else? A. Pushing. Q. Anything else? A. Traveling. Q. Anything else? 	
2 3 4 5 6 7	Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. <u>CROSS-EXAMINATION</u> BY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is		1 2 3 4 5 6 7	 A. Correct. Q. Anything else? A. Pushing. Q. Anything else? A. Traveling. Q. Anything else? A. If I'm required to do a stack and any other 	
2 3 4 5 6 7 8	Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. <u>CROSS-EXAMINATION</u> BY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is visible emissions that you can see with your naked eye,		1 2 3 4 5 6 7 8	 A. Correct. Q. Anything else? A. Pushing. Q. Anything else? A. Traveling. Q. Anything else? A. If I'm required to do a stack and any other assignments, but pretty much those are it. 	
2 3 4 5 6 7 8 9	Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. <u>CROSS-EXAMINATION</u> BY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is visible emissions that you can see with your naked eye, correct?		1 2 3 4 5 6 7 8 9	 A. Correct. Q. Anything else? A. Pushing. Q. Anything else? A. Traveling. Q. Anything else? A. If I'm required to do a stack and any other assignments, but pretty much those are it. Q. Okay. And you have discretion each day as to 	
2 3 4 5 6 7 8 9	Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. <u>CROSS-EXAMINATION</u> BY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is visible emissions that you can see with your naked eye, correct? A. Correct.		1 2 3 4 5 6 7 8 9 10	 A. Correct. Q. Anything else? A. Pushing. Q. Anything else? A. Traveling. Q. Anything else? A. If I'm required to do a stack and any other assignments, but pretty much those are it. Q. Okay. And you have discretion each day as to where you are going to inspect, correct? 	
2 3 4 5 6 7 8 9 10 11	Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. <u>CROSS-EXAMINATION</u> BY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is visible emissions that you can see with your naked eye, correct? A. Correct. Q. And you are also occasionally estimating opacity,		1 2 3 4 5 6 7 8 9 10 11	 A. Correct. Q. Anything else? A. Pushing. Q. Anything else? A. Traveling. Q. Anything else? A. If I'm required to do a stack and any other assignments, but pretty much those are it. Q. Okay. And you have discretion each day as to where you are going to inspect, correct? A. Correct. 	
2 3 4 5 6 7 8 9 10 11 12	Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. <u>CROSS-EXAMINATION</u> BY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is visible emissions that you can see with your naked eye, correct? A. Correct. Q. And you are also occasionally estimating opacity, correct?		1 2 3 4 5 6 7 8 9 10 11 12	 A. Correct. Q. Anything else? A. Pushing. Q. Anything else? A. Traveling. Q. Anything else? A. If I'm required to do a stack and any other assignments, but pretty much those are it. Q. Okay. And you have discretion each day as to where you are going to inspect, correct? A. Correct. Q. And you have the discretion as to the number of 	
2 3 4 5 6 7 8 9 10 11 12 13	Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. <u>CROSS-EXAMINATION</u> BY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is visible emissions that you can see with your naked eye, correct? A. Correct. Q. And you are also occasionally estimating opacity, correct? A. The doing the opacity rating, correct.		1 2 3 4 5 6 7 8 9 10 11 12 13	 A. Correct. Q. Anything else? A. Fushing. Q. Anything else? A. Traveling. Q. Anything else? A. If I'm required to do a stack and any other assignments, but pretty much those are it. Q. Okay. And you have discretion each day as to where you are going to inspect, correct? A. Correct. Q. And you have the discretion as to the number of inspections you are going to do? 	
2 3 4 5 6 7 8 9 10 11 12 13 14	<pre>Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. <u>CROSS-EXAMINATION</u> BY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is visible emissions that you can see with your naked eye, correct? A. Correct. Q. And you are also occasionally estimating opacity, correct? A. I'm doing the opacity rating, correct. Q. Right. And you are estimating the percentage of</pre>		1 2 3 4 5 6 7 8 9 10 11 12 13 14	 A. Correct. Q. Anything else? A. Fushing. Q. Anything else? A. Traveling. Q. Anything else? A. If I'm required to do a stack and any other assignments, but pretty much those are it. Q. Okay. And you have discretion each day as to where you are going to inspect, correct? A. Correct. Q. And you have the discretion as to the number of inspections you are going to do? A. Correct. 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15	Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. <u>CROSS-EXAMINATION</u> BY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is visible emissions that you can see with your naked eye, correct? A. Correct. Q. And you are also occasionally estimating opacity, correct? A. I'm doing the opacity rating, correct. Q. Right. And you are estimating the percentage of opacity based on the reading?		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 A. Correct. Q. Anything else? A. Pushing. Q. Anything else? A. Traveling. Q. Anything else? A. If I'm required to do a stack and any other assignments, but pretty much those are it. Q. Okay. And you have discretion each day as to where you are going to inspect, correct? A. Correct. Q. And you have the discretion as to the number of inspections you are going to do? A. Correct. Q. You have discretion as to the type of inspection 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. <u>CROSS-EXAMINATION</u> BY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is visible emissions that you can see with your naked eye, correct? A. Correct. Q. And you are also occasionally estimating opacity, correct? A. I'm doing the opacity rating, correct. Q. Right. And you are estimating the percentage of opacity based on the reading? A. Yeeh, certified opacity reading.		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 A. Correct. Q. Anything else? A. Fushing. Q. Anything else? A. Traveling. Q. Anything else? A. If I'm required to do a stack and any other assignments, but pretty much those are it. Q. Okay. And you have discretion each day as to where you are going to inspect, correct? A. Correct. Q. And you have the discretion as to the number of inspections you are going to do? A. Correct. Q. You have discretion as to the type of inspection you are going to do? 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. CROSS-EXAMINATION BY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is visible emissions that you can see with your naked eye, correct? A. Correct. Q. And you are also occasionally estimating opacity, correct? A. I'm doing the opacity rating, correct. Q. Right. And you are estimating the percentage of opacity based on the reading? A. Yeah, certified opacity reading. Q. In very general terms, opacity is how dark a 		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 A. Correct. Q. Anything else? A. Fushing. Q. Anything else? A. Traveling. Q. Anything else? A. If I'm required to do a stack and any other assignments, but pretty much those are it. Q. Okay. And you have discretion each day as to where you are going to inspect, correct? A. Correct. Q. And you have the discretion as to the number of inspections you are going to do? A. Correct. Q. You have discretion as to the type of inspection you are going to do? A. Correct. 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	<pre>Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. CROSS-EXAMINATION BY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is visible emissions that you can see with your naked eye, correct? A. Correct. Q. And you are also occasionally estimating opacity, correct? A. I'm doing the opacity rating, correct. Q. Right. And you are estimating the percentage of opacity based on the reading? A. Yeah, certified opacity reading. Q. In very general terms, opacity is how dark a plume is?</pre>		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. Correct. Q. Anything else? A. Fushing. Q. Anything else? A. Traveling. Q. Anything else? A. If I'm required to do a stack and any other assignments, but pretty much those are it. Q. Okay. And you have discretion each day as to where you are going to inspect, correct? A. Correct. Q. And you have the discretion as to the number of inspections you are going to do? A. Correct. Q. You have discretion as to the type of inspection you are going to do? A. Correct. Q. You have discretion as to the type of inspection you are going to do? A. Correct. Q. Inspection methods exist for compliance 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	<pre>Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. CROSS-EXAMINATION BY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is visible emissions that you can see with your naked eye, correct? A. Correct. Q. And you are also occasionally estimating opacity, correct? A. I'm doing the opacity rating, correct. Q. Right. And you are estimating the percentage of opacity based on the reading? A. Yeeh, certified opacity reading. Q. In very general terms, opacity is how dark a plume is? A. Correct.</pre>		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 A. Correct. Q. Anything else? A. Fushing. Q. Anything else? A. Traveling. Q. Anything else? A. Tf I'm required to do a stack and any other assignments, but pretty much those are it. Q. Okay. And you have discretion each day as to where you are going to inspect, correct? A. Correct. Q. And you have the discretion as to the number of inspections you are going to do? A. Correct. Q. You have discretion as to the type of inspection you are going to do? A. Correct. Q. Inspection methods exist for compliance demonstrations; is that correct? 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	<pre>Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. CROSS-EXAMINATION BY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is visible emissions that you can see with your naked eye, correct? A. Correct. Q. And you are also occasionally estimating opacity, correct? A. I'm doing the opacity rating, correct. Q. Right. And you are estimating the percentage of opacity based on the reading? A. Yeah, certified opacity reading. Q. In very general terms, opacity is how dark a plume is? A. Correct. Q. And when you're out doing your opacity and your</pre>		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 A. Correct. Q. Anything else? A. Fushing. Q. Anything else? A. Traveling. Q. Anything else? A. If I'm required to do a stack and any other assignments, but pretty much those are it. Q. Okay. And you have discretion each day as to where you are going to inspect, correct? A. Correct. Q. And you have the discretion as to the number of inspections you are going to do? A. Correct. Q. You have discretion as to the type of inspection you are going to do? A. Correct. Q. Inspection methods exist for compliance demonstrations; is that correct? A. I'm assuming. 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. CROSS-EXAMINATION BY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is visible emissions that you can see with your naked eye, correct? A. Correct. Q. And you are also occasionally estimating opacity, correct? A. T'm doing the opacity rating, correct. Q. Right. And you are estimating the percentage of opacity based on the reading? A. Yeah, certified opacity reading. Q. In very general terms, opacity is how dark a plume is? A. Correct. Q. And when you're out doing your opacity and your inspections for visible emissions, you are not using any 		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 A. Correct. Q. Anything else? A. Pushing. Q. Anything else? A. Traveling. Q. Anything else? A. If I'm required to do a stack and any other assignments, but pretty much those are it. Q. Okay. And you have discretion each day as to where you are going to inspect, correct? A. Correct. Q. And you have the discretion as to the number of inspections you are going to do? A. Correct. Q. You have discretion as to the type of inspection you are going to do? A. Correct. Q. Inspection methods exist for compliance demonstrations; is that correct? A. I'm assuming. Q. Do you know? 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. CROSS-EXAMINATION EY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is visible emissions that you can see with your naked eye, correct? A. Correct. Q. And you are also occasionally estimating opacity, correct? A. T'm doing the opacity rating, correct. Q. Right. And you are estimating the percentage of opacity based on the reading? A. Yeeh, certified opacity reading. Q. In very general terms, opacity is how dark a plume is? A. Correct. Q. And when you're out doing your opacity and your inspections for visible emissions, you are not using any kind of measurement devices or other recording 		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 A. Correct. Q. Anything else? A. Fushing. Q. Anything else? A. Traveling. Q. Anything else? A. If I'm required to do a stack and any other assignments, but pretty much those are it. Q. Okay. And you have discretion each day as to where you are going to inspect, correct? A. Correct. Q. And you have the discretion as to the number of inspections you are going to do? A. Correct. Q. You have discretion as to the type of inspection you are going to do? A. Correct. Q. Inspection methods exist for compliance demonstrations; is that correct? A. I'm assuming. Q. Do you know? A. I don't know. 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. CROSS-EXAMINATION EY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is visible emissions that you can see with your naked eye, correct? A. Correct. Q. And you are also occasionally estimating opacity, correct? A. Tin doing the opacity rating, correct. Q. Right. And you are estimating the percentage of opacity based on the reading? A. Yeah, certified opacity reading. Q. In very general terms, opacity is how dark a plume is? A. Correct. Q. And when you're out doing your opacity and your inspections for visible emissions, you are not using any kind of measurement devices or other recording equipment, correct? 		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 A. Correct. Q. Anything else? A. Fushing. Q. Anything else? A. Traveling. Q. Anything else? A. If I'm required to do a stack and any other assignments, but pretty much those are it. Q. Okay. And you have discretion each day as to where you are going to inspect, correct? A. Correct. Q. And you have the discretion as to the number of inspections you are going to do? A. Correct. Q. You have discretion as to the type of inspection you are going to do? A. Correct. Q. Inspection methods exist for compliance demonstrations; is that correct? A. I'm assuming. Q. Do you know? A. I don't know. Q. Can we agree that inspection methods exist so 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. CROSS-EXAMINATION BY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is visible emissions that you can see with your naked eye, correct? A. Correct. Q. And you are also occasionally estimating opacity, correct? A. Tin doing the opacity rating, correct. Q. Right. And you are estimating the percentage of opacity based on the reading? A. Yeah, certified opacity reading. Q. In very general terms, opacity is how dark a plume is? A. Correct. Q. And when you're out doing your opacity and your inspections for visible emissions, you are not using any kind of measurement devices or other recording equipment, correct? 		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 A. Correct. Q. Anything else? A. Fushing. Q. Anything else? A. Traveling. Q. Anything else? A. Traveling. Q. Anything else? A. If I'm required to do a stack and any other assignments, but pretty much those are it. Q. Okay. And you have discretion each day as to where you are going to inspect, correct? A. Correct. Q. And you have the discretion as to the number of inspections you are going to do? A. Correct. Q. You have discretion as to the type of inspection you are going to do? A. Correct. Q. Inspection methods exist for compliance demonstrations; is that correct? A. I'm assuming. Q. Do you know? A. I don't know. Q. Can we agree that inspection methods exist so there's a standard way that inspections are done? 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 Mr. Dausch, did you have some questions for Ms. Crowley? MR. DAUSCH: I do. CROSS-EXAMINATION BY MR. DAUSCH: Q. Ms. Crowley, when you are doing your inspections every day, one of the things you are looking for is visible emissions that you can see with your naked eye, correct? A. Correct. Q. And you are also occasionally estimating opacity, correct? A. T'm doing the opacity rating, correct. Q. Right. And you are estimating the percentage of opacity based on the reading? A. Yeah, certified opacity reading. Q. In very general terms, opacity is how dark a plume is? A. Correct: Q. And when you're out doing your opacity and your inspections for visible emissions, you are not using any kind of measurement devices or other recording equipment, correct? A. No, nothing at all. Q. Yeah, you're just using your eyes? 		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 A. Correct. Q. Anything else? A. Fushing. Q. Anything else? A. Traveling. Q. Anything else? A. If I'm required to do a stack and any other assignments, but pretty much those are it. Q. Okay. And you have discretion each day as to where you are going to inspect, correct? A. Correct. Q. And you have the discretion as to the number of inspections you are going to do? A. Correct. Q. You have discretion as to the type of inspection you are going to do? A. Correct. Q. Inspection methods exist for compliance demonstrations; is that correct? A. I don't know. Q. Can we agree that inspection methods exist so there's a standard way that inspections are done? A. Correct. 	

I

		621			623
1	Q. And that's to make sure inspections are done		1	A. Connect.	
2	reliably?		2	Q. You do inspections for Article 21 requirements?	
3	A. Connect.		3	A. Yes.	
4	Q. Consistently?		4	${\sf Q}.$ And you don't know what the NESHAP requirements	
5	A. Connect.		5	are; is that correct?	
6	Q. Properly?		6	A. I do but I don't. I - I remember them sometimes	
7	A. Connect.		7	and sometimes I don't. But I'm aware of them, correct.	
8	Q. You're certified under two different methods; is		8	Q. Do you do inspections for NESHAP requirements?	
9	that correct?		9	A. I do not.	
10	A. Yes.		10	Q. The inspections you do for Article 21	
11	Q. One of those methods is EPA's Method 303?		11	requirements, you don't follow Method 303?	
12	A. Correct.		12	A. Correct.	
13	${\sf Q}.$ Can you look at the binder in front of you that		13	Q. You follow the source testing manual?	
14	is U.S. Steel's first binder, Exhibit 35. Is that		14	A. I use the manual, yes.	
15	Binder 1 with Tab 35? They are numbered tabs on the		15	Q. Okay. And you use the manual and not 303 because	
16	side.		16	that's how you were trained as an inspector, correct?	
17	A. And you want one, 35?		17	A. Correct.	
18	Q. Correct.		18	Q. Method 303 and the source testing manual differ	
19	A. Okay, 35.		19	for all procedures?	
20	Q. And I assume you've read Method 303 before?		20	A. Yes.	
21	A. It's been a while, yes.		21	Q. You've reviewed the source testing manual when	
22	Q. And does Exhibit 35 show Method 303?		22	you were initially hired in the 2008 timeframe, correct?	
23	A. It says "Method 303."		23	A. Yes.	
24	Q. Is this the method that you are certified under?	2	24	Q. And you didn't have to take any test on the	
25	A. Yes.		25	source testing manual?	
-			_		
		622			624
1	$\mathbf{O}_{\mathbf{i}}$ and Method 303 is not for observing opacity; is	022	1	A. None.	024
2	that correct?		2	And there is no certification on the source	
3	A. Correct		3	testing manual, correct?	
4	O That would be a different method?		4	A None	
5	A Comment		5	O You didn't have any formal training on the source.	
6	0 Method 92		6	testing manual since you were hired in approximately	
7	A Correct		7	20082	
8	O Can you look at Exhibit 362 Ms Crowley you've		8	A Informal training	
g	read Method 9 before?		g	And you don't review the source testing manual on	
10		1	10	a regular basis: is that fair?	
11	O And Exhibit 36 is EPA's Method 92	1	11	A I glange at it periodically, correct	
12	A Vee	1	12	Not on a regular basis?	
13	O Okay For both of those methods you had to	1	13	A I'm not sime what you mean by "negular " but I	
14	become certified correct?	1		view it periodically	
15	A Correct	1	5	O Just on organian?	
16	And certification included at the boginning	1	6	A periodically	
17	c. And certification included, at the beginning,		7	$\mathbf{O} \text{There is no providence that are done by the}$	
10	A Compart		8	C. HIELE S NO PLOCEDULES that are dolled by the	
10	 O You have to be report find for these actuals 		0	source togeting mapual correct?	
20	c. Tou have to be recertified for those methods on some basic?			A morely concerned	
20	A Yes	2	21	O Acc 	
22	O other than the contification that was to for		. 1	A I doubt think so not that I'm some of	
22	V. Other than the certification that you do for		2	And there is no time of public data on unut	
23	emissions absorptions training since works have a		.5	. And there s no type of addit done on your	
24	entrone onservations righting since Aon, we peev 9	2		the source testing manual correct?	
20	and monory arrent			man an over covery manual correct:	

		625			627
1	A. Not that I'm aware of.		1 0	each door. Do you see that?	
2	${f Q}.$ Can you look at Exhibit 22, which is the source		2	A. Yes.	
3	testing manual? Ms. Crowley, if you could please look		3	Q. Do you follow that procedure?	
4	at Chapter 109 in Exhibit 22? And this is U.S. Steel's		4	A. I do.	
5	22.		5	${\bf Q}.$ Okay. And do you see on the next page, there's	
6	HEARING OFFICER SLATER: About what, two-thirds		6 a	also a requirement under the source testing manual for	
7	of the way in?		7 0	door inspections; that the observer walks along both	
8	MR. DAUSCH: Yeah.		8 5	sides of the battery. Do you see that?	
9	HEARING OFFICER SLATER: We looked at that		9	A. Correct.	
10	vesterday.		10	\mathbf{Q} . And you don't do that for the B Battery, correct?	
11	MR_DAUSCH: We have. I would say a little bit		11	A. I do not.	
12	more probably three-fourths of the way towards the back		12	O. So for the B Battery, you don't follow the terms	
13	of the document. It starts and save "Chanter 109 "		1.3 0	of the source testing manual?	
14	by MD_DNUCCH.		14	A. I do not do B Battery shed, correct.	
15	A Harrison and Chepter 100 in the course testing		15	O Right So for the B Battery shed, you don't	
15	Q. Have you read chapter 109 in the source testing		16 4	follow the terms of the source testing manual?	
16	manual before?		17	A Crosset	
17	A. This whole Chapter 109, yes.		10	A. Willest.	
18	${f Q}.$ Okay. And I want to start on the first page. Is		18	Q. Do you see at chapter 109, Section A there are	
19	this the chapter that you follow for your inspections at		19 1	requirements for charging?	
20	the Clairton plant?	2	20	A. Yes.	
21	A. Correct.	2	21	Q. The very last sentence says, "Compliance shall be	
22	$Q.\ \mbox{All right.}\ \mbox{Let's look at the very first page}$	2	22 d	determined by summing the seconds of charging emissions	
23	where it says, "Chapter 109." Do you see the reference	2	23 d	observed during each of the four charges." Did I read	
24	to Environmental Protection Agency, Method 109?	2	24 t	that correctly?	
25	A. Yes.	2	25	A. Correct.	
1 2	Q. You've never seen that method before; is that fair?	626	1 2 i	${\sf Q}.$ There are situations where you do charging inspections and you observe more than four charges,	628
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Q. You've never seen that method before; is that fair? A. I have not. Q. And you've never had any training on EPA Method 109, correct? A. Not that I'm aware of, 'cause I don't know what it is. Q. Okay. Can you look at the next page? The source testing manual includes requirements related to doors, both door opacity and door visible emissions inspections; is that correct? A. Yes. Q. And if you look at Chapter C or Section C of Chapter 109, that relates to visible emissions from door areas, correct? A. Chapter 109B? Q. C. 	626	1 2 3 4 5 6 8 3 9 9 10 11 12 13 4 11 12 13 4 11 12 13 4 11 12 13 4 13 13 13 13 13 14 14 15 15 15 15 15 15 15 15 15 15	 Q. There are situations where you do charging inspections and you observe more than four charges, correct? A. Yes. Q. And for those, you don't follow the terms of the source testing manual; is that fair? A. I don't do compliance; I do inspections. So I inspect four or five charges. Q. Okay. So there are times you do more than four inspections? A. Four charges, correct. Q. And then you don't make any compliance determinations? A. I total them up. I'll total up four. I'll total up five. So I do do that. And if it is over an allowable for five consecutive charges, I'll give them that number; and if it's over for the four, I will give 	628
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. You've never seen that method before; is that fair? A. I have not. Q. And you've never had any training on EPA Method 109, correct? A. Not that I'm aware of, 'cause I don't know what it is. Q. Okay. Can you look at the next page? The source testing manual includes requirements related to doors, both door opacity and door visible emissions inspections; is that correct? A. Yes. Q. And if you look at Chapter C or Section C of Chapter 109, that relates to visible emissions from door areas, correct? A. Chapter 1098? Q. c. A. C is related to what? 	626	1 2 3 4 4 5 6 5 7 7 8 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 Q. There are situations where you do charging inspections and you observe more than four charges, correct? A. Yes. Q. And for those, you don't follow the terms of the source testing manual; is that fair? A. I don't do compliance; I do inspections. So I inspect four or five charges. Q. Okay. So there are times you do more than four inspections? A. Four charges, correct. Q. And then you don't make any compliance determinations? A. I total them up. I'll total up four. I'll total up five. So I do do that. And if it is over an allowable for five consecutive charges, I'll give them that number; and if it's over for the four, I will give them that number. 	628
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 Q. You've never seen that method before; is that fair? A. I have not. Q. And you've never had any training on EPA Method 109, correct? A. Not that I'm aware of, 'cause I don't know what it is. Q. Okay. Can you look at the next page? The source testing manual includes requirements related to doors, both door opacity and door visible emissions inspections; is that correct? A. Yes. Q. And if you look at Chapter C or Section C of Chapter 109, that relates to visible emissions from door areas, correct? A. Chapter 109B? Q. c. A. C is related to what? Q. Doors. 	626	1 2 3 3 4 5 5 6 5 7 7 8 3 3 10 11 12 11 12 11 11 11 11 11 11 11 11 11	 Q. There are situations where you do charging inspections and you observe more than four charges, correct? A. Yes. Q. And for those, you don't follow the terms of the source testing manual; is that fair? A. I don't do compliance; I do inspections. So I inspect four or five charges. Q. Okay. So there are times you do more than four inspections? A. Four charges, correct. Q. And then you don't make any compliance determinations? A. I total them up. I'll total up four. I'll total up five. So I do do that. And if it is over an allowable for five consecutive charges, I'll give them that number; and if it's over for the four, I will give them that number. Q. So you make a decision on compliance based on 	628
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. You've never seen that method before; is that fair? A. I have not. Q. And you've never had any training on EPA Method 109, correct? A. Not that I'm aware of, 'cause I don't know what it is. Q. Okay. Can you look at the next page? The source testing manual includes requirements related to doors, both door opacity and door visible emissions inspections; is that correct? A. Yes. Q. And if you look at Chapter C or Section C of Chapter 109, that relates to visible emissions from door areas, correct? A. Chapter 109B? Q. C. A. C is related to what? Q. Doors. A. Okay. 	626	1 2 3 4 5 6 8 3 7 7 8 3 4 1 1 1 1 1 2 1 1 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 Q. There are situations where you do charging inspections and you observe more than four charges, correct? A. Yes. Q. And for those, you don't follow the terms of the source testing manual; is that fair? A. I don't do compliance; I do inspections. So I inspect four or five charges. Q. Okay. So there are times you do more than four inspections? A. Four charges, correct. Q. And then you don't make any compliance determinations? A. I total them up. I'll total up four. I'll total up five. So I do do that. And if it is over an allowable for five consecutive charges, I'll give them that number; and if it's over for the four, I will give them that number. Q. So you make a decision on compliance based on five charges on occasion? 	628
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. You've never seen that method before; is that fair? A. I have not. Q. And you've never had any training on EPA Method 109, correct? A. Not that I'm aware of, 'cause I don't know what it is. Q. Okay. Can you look at the next page? The source testing manual includes requirements related to doors, both door opacity and door visible emissions inspections; is that correct? A. Yes. Q. And if you look at Chapter C or Section C of Chapter 109, that relates to visible emissions from door areas, correct? A. Cis related to what? Q. C. A. Cis related to what? Q. Is that correct?	626	1 2 3 4 5 5 6 5 5 7 7 8 3 5 9 9 10 5 11 11 12 13 13 14 11 15 11 14 11 15 11 14 11 15 11 14 11 15 11 14 11 15 11 14 11 15 11 14 11 15 11 14 11 15 11 14 11 15 11 14 11 15 11 14 11 15 11 11	 Q. There are situations where you do charging inspections and you observe more than four charges, correct? A. Yes. Q. And for those, you don't follow the terms of the source testing manual; is that fair? A. I don't do compliance; I do inspections. So I inspect four or five charges. Q. Okay. So there are times you do more than four inspections? A. Four charges, correct. Q. And then you don't make any compliance determinations? A. I total them up. I'll total up four. I'll total up five. So I do do that. And if it is over an allowable for five consecutive charges, I'll give them that number; and if it's over for the four, I will give them that number. Q. So you make a decision on compliance based on five charges on occasion? A. From the information I was given, yes. 	628
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. You've never seen that method before; is that fair? A. I have not. Q. And you've never had any training on EPA Method 109, correct? A. Not that I'm aware of, 'cause I don't know what it is. Q. Okay. Can you look at the next page? The source testing manual includes requirements related to doors, both door opacity and door visible emissions inspections; is that correct? A. Yes. Q. And if you look at Chapter C or Section C of Chapter 109, that relates to visible emissions from door areas, correct? A. Chapter 1098? Q. c. A. C is related to what? Q. Doors. A. Yes. Q. Is that correct? A. Yes. 	626	1 2 3 4 5 6 5 7 7 8 3 5 1 1 1 2 1 1 2 1 1 3 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 Q. There are situations where you do charging inspections and you observe more than four charges, correct? A. Yes. Q. And for those, you don't follow the terms of the source testing manual; is that fair? A. I don't do compliance; I do inspections. So I inspect four or five charges. Q. Okay. So there are times you do more than four inspections? A. Four charges, correct. Q. And then you don't make any compliance determinations? A. I total them up. I'll total up four. I'll total up five. So I do do that. And if it is over an allowable for five consecutive charges, I'll give them that number; and if it's over for the four, I will give them that number. Q. So you make a decision on compliance based on five charges on occasion? A. From the information I was given, yes. Q. Okay. And using five charges would be different 	628
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. You've never seen that method before; is that fair? A. I have not. Q. And you've never had any training on EPA Method 109, correct? A. Not that I'm aware of, 'cause I don't know what it is. Q. Okay. Can you look at the next page? The source testing manual includes requirements related to doors, both door opacity and door visible emissions inspections; is that correct? A. Yes. Q. And if you look at Chapter C or Section C of Chapter 109, that relates to visible emissions from door areas, correct? A. Chapter 109B? Q. c. A. Chapter 109B? Q. Doors. A. Gkay. Q. Is that correct? A. Yes. Q. Okay. And the source testing manual has a 	626	1 2 3 3 4 4 5 6 5 7 7 8 3 3 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1	 Q. There are situations where you do charging inspections and you observe more than four charges, correct? A. Yes. Q. And for those, you don't follow the terms of the source testing manual; is that fair? A. I don't do compliance; I do inspections. So I inspect four or five charges. Q. Okay. So there are times you do more than four inspections? A. Four charges, correct. Q. And then you don't make any compliance determinations? A. I total them up. I'll total up four. I'll total up five. So I do do that. And if it is over an allowable for five consecutive charges, I'll give them that number; and if it's over for the four, I will give them that number. Q. So you make a decision on compliance based on five charges on occasion? A. From the information I was given, yes. Q. Okay. And using five charges would be different than four charges as stated in the source testing 	628
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Q. You've never seen that method before; is that fair? A. I have not. Q. And you've never had any training on EPA Method 109, correct? A. Not that I'm aware of, 'cause I don't know what it is. Q. Okay. Can you look at the next page? The source testing manual includes requirements related to doors, both door opacity and door visible emissions inspections; is that correct? A. Yes. Q. And if you look at Chapter C or Section C of Chapter 109, that relates to visible emissions from door areas, correct? A. Chapter 1098? Q. C. A. C is related to what? Q. boors. A. Ckay. Q. Is that correct? A. Yes. Q. Okay. And the source testing manual has a requirement that observation of door area emissions 	626	1 2 3 4 5 6 8 3 9 9 9 10 3 11 12 13 4 11 12 13 14 11 12 13 14 11 12 13 14 11 12 12 13 14 11 12 12 12 12 12 12 12 12 12 12 12 12	 Q. There are situations where you do charging inspections and you observe more than four charges, correct? A. Yes. Q. And for those, you don't follow the terms of the source testing manual; is that fair? A. I don't do compliance; I do inspections. So I inspect four or five charges. Q. Okay. So there are times you do more than four inspections? A. Four charges, correct. Q. And then you don't make any compliance determinations? A. I total them up. I'll total up four. I'll total up five. So I do do that. And if it is over an allowable for five consecutive charges, I'll give them that number; and if it's over for the four, I will give them that number. Q. So you make a decision on compliance based on five charges on occasion? A. From the information I was given, yes. Q. Okay. And using five charges would be different than four charges as stated in the source testing manual; is that fair? 	628

		629			631
1	${\sf Q}.$ I want to talk a little bit about the door		1	${\sf Q}.$ Can you please look at Exhibit 67, which would be	
2	inspections. You don't follow any timing requirements		2	in the second binder, page 2?	
3	when you do your inspections of doors, correct?		3	A. Am I done with this binder or no?	
4	A. I do not.		4	${\sf Q}.~$ Yes, for now. And I want to look at page 2 of	
5	${\sf Q}.$ You do record the start and stop time of each of		5	Exhibit 67. Are you familiar with page 2, Ms. Crowley?	
6	your door inspections, correct?		6	A. Okzy, so if I flip the page over, this is page 1	
7	A. Yes.		7	and this is page 2?	
8	${\sf Q}.$ And sometimes an inspection of one side of the		8	Q. They are numbered.	
9	battery is also called a traverse?		9	A. Oh, it is? Okay.	
10	A. That's what they term it, yes.		10	Q. It also says "ACHD 8385" on it.	
11	${\sf Q}.$ Okay. And if you wanted to see how long it took		11	A. 8385, okay, I'm with you.	
12	you to do any inspection or traverse, you could look at		12	Q. Do you see that page?	
13	your inspection sheet from that day?		13	A. Ido.	
14	A. Yes.		14	Q. Are you familiar with this document?	
15	Q. And there are times when equipment blocks your		15	A. Yes.	
16	view and you have to wait for it to move, correct?		16	Q. And this is the standard door inspection form	
17	A. Yes.		17	that you use for door inspections, correct?	
18	O. And you have discretion to do this?		18	A. Correct, correct.	
19	A. Yes.		19	Q. And every time you do a door inspection, you fill	
20	O. And if you decide to wait, you don't record		20	out one of these sheets, correct?	
21	anywhere on any of your sheets how long it takes for		21	A. Correct.	
22	that equipment to move, correct?		22	Q. Do you do both door visible emissions inspections	
23	A. It wasn't a requirement.		23	and opacity at the same time?	
24	\mathbf{O} Right So you don't do it?		24	A. Not the exact same time, but at the time that I	
25	A. I do not		25	see the leak and then the time that I see the opacity.	
2.5					
			-		
			S		
		630			632
1	${f Q}.$ Are there times when let me back up. You are	630	1	Q_{\star} Okay. So during the same traverse or the same	632
1	Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and $3?$	630	1 2	Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible	632
1 2 3	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. 	630	1 2 3	Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity?	632
1 2 3 4	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located 	630	1 2 3 4	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. correct. 	632
1 2 3 4 5	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. Iam. Q. And you're familiar with where they are located at the Clairton plant? 	630	1 2 3 4 5	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible 	632
1 2 3 4 5 6	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. 	630	1 2 3 4 5 6	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? 	632
1 2 3 4 5 6 7	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. Q. Are there situations where you scratch that. 	630	1 2 3 4 5 6 7	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. 	632
1 2 3 4 5 6 7 8	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. Q. Are there situations where you scratch that. Do you start with the push side or the coke side 	630	1 2 3 4 5 6 7 8	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. Q. And so you would be following the method in the 	632
1 2 3 4 5 6 7 8 9	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. Q. Are there situations where you scratch that. Do you start with the push side or the coke side of those batteries when you do door inspections or does 	630	1 2 3 4 5 6 7 8 9	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. Q. And so you would be following the method in the source testing manual looking for visible emissions and 	632
1 2 3 4 5 6 7 8 9	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. Q. Are there situations where you scratch that. Do you start with the push side or the coke side of those batteries when you do door inspections or does it vary? 	630	1 2 3 4 5 6 7 8 9 10	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. Q. And so you would be following the method in the source testing manual looking for visible emissions and then using Method 9 to do the opacity reading? 	632
1 2 3 4 5 6 7 8 9 10 11	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. Q. Are there situations where you scratch that. Do you start with the push side or the coke side of those batteries when you do door inspections or does it vary? A. It varies. 	630	1 2 3 4 5 6 7 8 9 10 11	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. Q. And so you would be following the method in the source testing manual looking for visible emissions and then using Method 9 to do the opacity reading? A. Correct. 	632
1 2 3 4 5 6 7 8 9 10 11 12	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. Q. Are there situations where you scratch that. Do you start with the push side or the coke side of those batteries when you do door inspections or does it vary? A. It varies. Q. Okay. If you started with coke side on Batteries 	630	1 2 3 4 5 6 7 8 9 10 11 12	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. Q. And so you would be following the method in the source testing manual looking for visible emissions and then using Method 9 to do the opacity reading? A. Correct. Q. Is it fair to say that if you were not doing 	632
1 2 3 4 5 6 7 8 9 10 11 12 13	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. Q. Are there situations where you scratch that. Do you start with the push side or the coke side of those batteries when you do door inspections or does it vary? A. It varies. Q. Okay. If you started with coke side on Batteries 1, 2 and 3, would you do door inspections of the coke 	630	1 2 3 4 5 6 7 8 9 10 11 12 13	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. Q. And so you would be following the method in the source testing manual looking for visible emissions and then using Method 9 to do the opacity reading? A. Correct. Q. Is it fair to say that if you were not doing Method 9 opacity readings, it would take less time to do 	632
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. Q. Are there situations where you scratch that. Do you start with the push side or the coke side of those batteries when you do door inspections or does it vary? A. It varies. Q. Okay. If you started with coke side on Batteries 1, 2 and 3, would you do door inspections of the coke side of Battery 1, then Battery 2, then Battery 3 before 	630	1 2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. Q. And so you would be following the method in the source testing manual looking for visible emissions and then using Method 9 to do the opacity reading? A. Correct. Q. Is it fair to say that if you were not doing Method 9 opacity readings, it would take less time to do the traverse or door inspection? 	632
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. Q. Are there situations where you scratch that. Do you start with the push side or the coke side of those batteries when you do door inspections or does it vary? A. It varies. Q. Okay. If you started with coke side on Batteries 1, 2 and 3, would you do door inspections of the coke side of Battery 1, then Battery 2, then Battery 3 before moving to the push side of those batteries? 	630	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. Q. And so you would be following the method in the source testing manual looking for visible emissions and then using Method 9 to do the opacity reading? A. Correct. Q. Is it fair to say that if you were not doing Method 9 opacity readings, it would take less time to do the traverse or door inspection? A. Tt would take less time if I wasn't doing 	632
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. Q. Are there situations where you scratch that. Do you start with the push side or the coke side of those batteries when you do door inspections or does it vary? A. It varies. Q. Okay. If you started with coke side on Batteries 1, 2 and 3, would you do door inspections of the coke side of Battery 1, then Battery 2, then Battery 3 before moving to the push side of those batteries? A. I can, yes. 	630	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. Q. And so you would be following the method in the source testing manual looking for visible emissions and then using Method 9 to do the opacity reading? A. Correct. Q. Is it fair to say that if you were not doing Method 9 opacity readings, it would take less time to do the traverse or door inspection? A. It would take less time if I wasn't doing opacity? 	632
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. Q. Are there situations where you scratch that. Do you start with the push side or the coke side of those batteries when you do door inspections or does it vary? A. It varies. Q. Okay. If you started with coke side on Batteries 1, 2 and 3, would you do door inspections of the coke side of Battery 1, then Battery 2, then Battery 3 before moving to the push side of those batteries? A. I can, yes. Q. And you do that on occasion? 	630	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. Q. And so you would be following the method in the source testing manual looking for visible emissions and then using Method 9 to do the opacity reading? A. Correct. Q. Is it fair to say that if you were not doing Method 9 opacity readings, it would take less time to do the traverse or door inspection? A. It would take less time if I wasn't doing opacity? Q. Correct. 	632
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. Q. Are there situations where you scratch that. Do you start with the push side or the coke side of those batteries when you do door inspections or does it vary? A. It varies. Q. Okay. If you started with coke side on Batteries 1, 2 and 3, would you do door inspections of the coke side of Battery 1, then Battery 2, then Battery 3 before moving to the push side of those batteries? A. I can, yes. Q. And you do that on occasion? A. I do. 	630	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. Q. And so you would be following the method in the source testing manual looking for visible emissions and then using Method 9 to do the opacity reading? A. Correct. Q. Is it fair to say that if you were not doing Method 9 opacity readings, it would take less time to do the traverse or door inspection? A. Tt would take less time if I wasn't doing opacity? Q. Correct. A. I don't think it takes any more time. 	632
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. Q. Are there situations where you scratch that. Do you start with the push side or the coke side of those batteries when you do door inspections or does it vary? A. It varies. Q. Okay. If you started with coke side on Batteries 1, 2 and 3, would you do door inspections of the coke side of Battery 1, then Battery 2, then Battery 3 before moving to the push side of those batteries? A. I can, yes. Q. And you do that on occasion? A. I do. Q. If you see a door leak, do you also do an opacity 	630	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. Q. And so you would be following the method in the source testing manual looking for visible emissions and then using Method 9 to do the opacity reading? A. Correct. Q. Is it fair to say that if you were not doing Method 9 opacity readings, it would take less time to do the traverse or door inspection? A. It would take less time if I wasn't doing opacity? Q. Correct. A. I don't think it takes any more time. Q. It doesn't take you any time to do opacity 	632
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. Q. Are there situations where you scratch that. Do you start with the push side or the coke side of those batteries when you do door inspections or does it vary? A. It varies. Q. Okay. If you started with coke side on Batteries 1, 2 and 3, would you do door inspections of the coke side of Battery 1, then Battery 2, then Battery 3 before moving to the push side of those batteries? A. I can, yes. Q. And you do that on occasion? A. I do. Q. If you see a door leak, do you also do an opacity reading? 	630	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. Q. And so you would be following the method in the source testing manual looking for visible emissions and then using Method 9 to do the opacity reading? A. Correct. Q. Is it fair to say that if you were not doing Method 9 opacity readings, it would take less time to do the traverse or door inspection? A. It would take less time if I wasn't doing opacity? Q. Correct. Q. It doesn't take you any time to do opacity readings? 	632
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. Q. Are there situations where you scratch that. Do you start with the push side or the coke side of those batteries when you do door inspections or does it vary? A. It varies. Q. Okay. If you started with coke side on Batteries 1, 2 and 3, would you do door inspections of the coke side of Battery 1, then Battery 2, then Battery 3 before moving to the push side of those batteries? A. I can, yes. Q. And you do that on occasion? A. I do. Q. If you see a door leak, do you also do an opacity reading? A. I do. 	630	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. Q. And so you would be following the method in the source testing manual looking for visible emissions and then using Method 9 to do the opacity reading? A. Correct. Q. Is it fair to say that if you were not doing Method 9 opacity readings, it would take less time to do the traverse or door inspection? A. It would take less time if I wasn't doing opacity? Q. Correct. A. I don't think it takes any more time. Q. It doesn't take more or less time. I mean, it's 	632
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. Q. Are there situations where you scratch that. Do you start with the push side or the coke side of those batteries when you do door inspections or does it vary? A. It varies. Q. Okay. If you started with coke side on Batteries 1, 2 and 3, would you do door inspections of the coke side of Battery 1, then Battery 2, then Battery 3 before moving to the push side of those batteries? A. I can, yes. Q. And you do that on occasion? A. I do. Q. And for that, you would be using Method 9? 	630	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. Q. And so you would be following the method in the source testing manual looking for visible emissions and then using Method 9 to do the opacity reading? A. Correct. Q. Is it fair to say that if you were not doing Method 9 opacity readings, it would take less time to do the traverse or door inspection? A. It would take less time if I wasn't doing opacity? Q. Ic Correct. A. I don't think it takes any more time. Q. It doesn't take more or less time. I mean, it's about simultaneously. You see a door leak, then you do 	632
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. Q. Are there situations where you scratch that. Do you start with the push side or the coke side of those batteries when you do door inspections or does it vary? A. It varies. Q. Okay. If you started with coke side on Batteries 1, 2 and 3, would you do door inspections of the coke side of Battery 1, then Battery 2, then Battery 3 before moving to the push side of those batteries? A. I can, yes. Q. If you see a door leak, do you also do an opacity reading? A. I do. Q. And for that, you would be using Method 9? A. Correct. 	630	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. Q. And so you would be following the method in the source testing manual looking for visible emissions and then using Method 9 to do the opacity reading? A. Correct. Q. Is it fair to say that if you were not doing Method 9 opacity readings, it would take less time to do the traverse or door inspection? A. It would take less time if I wasn't doing opacity? Q. It doesn't take more or less time. I mean, it's about simultaneously. You see a door leak, then you do an opacity. 	632
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. I am. Q. And you're familiar with where they are located at the Clairton plant? A. Yes. Q. Are there situations where you scratch that. Do you start with the push side or the coke side of those batteries when you do door inspections or does it vary? A. It varies. Q. Okay. If you started with coke side on Batteries 1, 2 and 3, would you do door inspections of the coke side of Battery 1, then Battery 2, then Battery 3 before moving to the push side of those batteries? A. I can, yes. Q. And you do that on occasion? A. I do. Q. If you see a door leak, do you also do an opacity reading? A. I do. Q. And for that, you would be using Method 9? A. Connect. Q. And that's the EPA Method 9 we looked at earlier? 	630	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. Q. And so you would be following the method in the source testing manual looking for visible emissions and then using Method 9 to do the opacity reading? A. Correct. Q. Is it fair to say that if you were not doing Method 9 opacity readings, it would take less time to do the traverse or door inspection? A. It would take less time if I wasn't doing opacity? Q. Correct. A. I don't think it takes any more time. Q. It doesn't take more or less time. I mean, it's about simultaneously. You see a door leak, then you do an opacity. Q. Okay. When you do an opacity reading, how long 	632
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 Q. Are there times when let me back up. You are familiar with Batteries 1, 2, and 3? A. Iam. Q. And you're familiar with where they are located at the Clairton plant? A. Yee. Q. Are there situations where you scratch that. Do you start with the push side or the coke side of those batteries when you do door inspections or does it vary? A. It varies. Q. Okay. If you started with coke side on Batteries 1, 2 and 3, would you do door inspections of the coke side of Battery 1, then Battery 2, then Battery 3 before moving to the push side of those batteries? A. I can, yes. Q. And you do that on occasion? A. I do. Q. If you see a door leak, do you also do an opacity reading? A. I do. Q. And for that, you would be using Method 9? A. Correct. Q. And that's the EPA Method 9 we looked at earlier? 	630	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 Q. Okay. So during the same traverse or the same inspection, you would be looking for both visible emissions and opacity? A. Correct. Q. And you would be noting both when you see visible emissions and then also doing an opacity reading? A. Correct. Q. And so you would be following the method in the source testing manual looking for visible emissions and then using Method 9 to do the opacity reading? A. Correct. Q. Is it fair to say that if you were not doing Method 9 opacity readings, it would take less time to do the traverse or door inspection? A. It would take less time if I wasn't doing forcity? Q. Correct. A. I don't think it takes any more time. Q. It doesn't take you any time to do opacity readings? A. It doesn't take more or less time. I mean, it's about simultaneously. You see a door leak, then you do an opacity reading, how long does that take to do? 	632

		633			635
1	A. A blink. Within a	000	1	A. About 18 inches.	000
2	Q. Within a second?		2	Q. About 18 inches wide?	
3	A. Within a second.		3	A. Correct.	
4	${\sf Q}.$ Okay. And when you do an opacity reading that		4	${\sf Q}.~$ And so when you do your inspections, you are at	
5	takes about a second, do you then record it at that		5	least 25 feet away; is that correct?	
6	time?		6	A. Correct.	
7	A. Ido.		7	${\sf Q}.~$ And so when you are doing your inspections, you	
8	Q. Okay. When you are doing opacity readings, is		8	can see more than one coke oven at a time; is that fair?	
9	there a certain spot that you are looking at on the coke		9	A. When I'm doing my inspection?	
10	battery?		10	Q. Yeah.	
11	A. Above the door area but below the top of the		11	A. I'm not looking for more than one at a time. I'm	
12	battery.		12	looking at each one.	
13	Q. And why is it that you look there?		13	Q. Okay. And when you are doing your inspection for	
14	A. That was per the source testing manual.		14	a particular coke oven that's 18 inches wide and you are	
15	\mathbf{Q} . Okay. When you look at the inspection sheet that		15	standing 25 feet or more away, can you also see other	
16	you filled out, if we focus on the sheet that is Exhibit		16	coke ovens?	
17	67, page 2, you have information recorded for both the		17	A. If I'm looking at them, but I'm not looking at	
18	push side and the coke side, correct?		18	them. When I'm doing an inspection, I'm looking at a	
19	A. Connect.		19	certain oven. Does that make sense?	
20	\mathbf{Q} . And we can tell from the sheet that you did		20	Q. Okay. So you are able to look solely at one	
21	inspections of the push side and you did inspections of		21	18-inch coke oven from more than 25 feet away and not	
22	the coke side, correct?		22	see the other ovens during your inspections?	
23	A. Correct.		23	A. I'm not looking at the other ovens.	
24	O . Let's focus on the coke side. On the far left		24	O. Are you able to not see them when you are doing	
25	column, there's a title "charge time." Can you explain		25	vour inspections?	
1	to us what that is?	634	1	A. Connect.	636
1 2	to us what that is? A. The leak that was recorded, that's what time that	634	1 2	A. Correct. Q . You have noted on this inspection form that we	636
1 2 3	to us what that is? A. The leak that was recorded, that's what time that oven was charged.	634	1 2 3	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted 	636
1 2 3 4	to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if	634	1 2 3 4	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? 	636
1 2 3 4 5	to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak?	634	1 2 3 4 5	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. 	636
1 2 3 4 5 6	to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high openity.	634	1 2 3 4 5 6	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find 	636
1 2 3 4 5 6 7	 to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high operity. Q. Okay. And so how would we know if you observed a 	634	1 2 3 4 5 6 7	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find at 8:07? 	636
1 2 3 4 5 6 7 8	<pre>to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high opacity. Q. Okay. And so how would we know if you observed a leak and there was no high opacity?</pre>	634	1 2 4 5 6 7 8	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find at 8:07? A. Eight. 	636
1 2 4 5 6 7 8 9	<pre>to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high operity. Q. Okay. And so how would we know if you observed a leak and there was no high opacity? A. If you go a little further down, there's one that</pre>	634	1 2 3 4 5 6 7 8 9	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find at 8:07? A. Eight. Q. And so in one minute 	636
1 2 4 5 6 7 8 9	 to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high opacity. Q. Okay. And so how would we know if you observed a leak and there was no high opacity? A. If you go a little further down, there's one that does not have a charge time, that's not a high opacity. 	634	1 2 3 4 5 6 7 8 9	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find at 8:07? A. Eight. Q. And so in one minute A. I'm sorry, one, two, three, four, five, six. 	636
1 2 3 4 5 6 7 8 9 10 11	 to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high operity. Q. Okay. And so how would we know if you observed a leak and there was no high operity? A. If you go a little further down, there's one that does not have a charge time, that's not a high operity. Q. And which one are you referring to? Is that B3? 	634	1 2 3 4 5 6 7 8 9 .0	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find at 8:07? A. Eight. Q. And so in one minute A. I'm sorry, one, two, three, four, five, six. Q. And so based on this form, you found eight high- 	636
1 2 3 4 5 6 7 8 9 10 11 12	 to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high operity. Q. Okay. And so how would we know if you observed a leak and there was no high opacity? A. If you go a little further down, there's one that does not have a charge time, that's not a high operity. Q. And which one are you referring to? Is that B3? A. Correct. 	634	1 2 3 4 5 6 7 8 9 .0 1 2	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find at 8:07? A. Eight. Q. And so in one minute A. I'm sorry, one, two, three, four, five, six. Q. And so based on this form, you found eight high-opacity door exceedances in a minute? 	636
1 2 3 4 5 6 7 8 9 10 11 12 12	 to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high operity. Q. Okay. And so how would we know if you observed a leak and there was no high operity? A. If you go a little further down, there's one that does not have a charge time, that's not a high operity. Q. And which one are you referring to? Is that B3? A. Correct. Q. And B2 would be the same situation? 	634	1 2 3 4 5 6 7 8 9 .0 .1 2 .3	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find at 8:07? A. Eight. Q. And so in one minute A. I'm sorry, one, two, three, four, five, six. Q. And so based on this form, you found eight high-opacity door exceedances in a minute? A. Yes. 	636
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high operity. Q. Okay. And so how would we know if you observed a leak and there was no high operity? A. If you go a little further down, there's one that does not have a charge time, that's not a high operity. Q. And which one are you referring to? Is that B3? A. Correct. Q. And B2 would be the same situation? A. Correct. 	634	1 2 3 4 5 6 7 8 9 .0 .1 2 .3 4	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find at 8:07? A. Eight. Q. And so in one minute A. I'm sorry, one, two, three, four, five, six. Q. And so based on this form, you found eight high-opacity door exceedances in a minute? A. Yes. Q. And also eight door leaks in the same minute? 	636
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high operity. Q. Okay. And so how would we know if you observed a leak and there was no high operity? A. If you go a little further down, there's one that does not have a charge time, that's not a high operity. Q. And which one are you referring to? Is that B3? A. Correct. Q. And B2 would be the same situation? A. Correct. Q. And the other ones you would have read as a high- 	634	1 2 3 4 5 6 7 8 9 .0 .1 2 3 4 5	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find at 8:07? A. Eight. Q. And so in one minute A. I'm sorry, one, two, three, four, five, six. Q. And so based on this form, you found eight high-opacity door exceedances in a minute? A. Yes. Q. And also eight door leaks in the same minute? A. Yes. 	636
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high operity. Q. Okay. And so how would we know if you observed a leak and there was no high operity? A. If you go a little further down, there's one that does not have a charge time, that's not a high operity. Q. And which one are you referring to? Is that B3? A. Correct. Q. And B2 would be the same situation? A. Correct. Q. And the other ones you would have read as a high-operity door, which is why there's a charge time? 	634 1 1 1 1 1 1 1	1 2 3 4 5 6 7 8 9 .0 1 2 3 4 5 6	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find at 8:07? A. Eight. Q. And so in one minute A. I'm sorry, one, two, three, four, five, six. Q. And so based on this form, you found eight high-opacity door exceedances in a minute? A. Yes. Q. And also eight door leaks in the same minute? A. Yes. Q. Is that because it takes just the blink of an eye 	636
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high operity. Q. Okay. And so how would we know if you observed a leak and there was no high opacity? A. If you go a little further down, there's one that does not have a charge time, that's not a high operity. Q. And which one are you referring to? Is that B3? A. Correct. Q. And B2 would be the same situation? A. Correct. Q. And the other ones you would have read as a high-operity door, which is why there's a charge time? A. Correct. 	634 1 1 1 1 1 1 1 1 1 1	1 2 3 4 5 6 7 8 9 .0 1 2 3 4 5 6 7	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find at 8:07? A. Eight. Q. And so in one minute A. Tim sorry, one, two, three, four, five, six. Q. And so based on this form, you found eight high-opacity door exceedances in a minute? A. Yes. Q. And also eight door leaks in the same minute? A. Yes. Q. Is that because it takes just the blink of an eye to do an opacity reading? 	636
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high operity. Q. Okay. And so how would we know if you observed a leak and there was no high operity? A. If you go a little further down, there's one that does not have a charge time, that's not a high operity. Q. And which one are you referring to? Is that B3? A. Correct. Q. And B2 would be the same situation? A. Correct. Q. And the other ones you would have read as a high-operity door, which is why there's a charge time? A. Correct. Q. And for every leak or high-operity reading you 	634 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 4 5 6 7 8 9 .0 1 2 3 4 5 6 7 8 9 .0 1 2 3 4 5 6 7 8 9 .0 1 2 3 4 5 6 7 8 9 .0 1 2 3 4 5 6 7 8 9 .0 1 2 5 6 7 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 .0 1 2 8 .0 1 2 8 .0 1 2 8 .0 1 2 8 .0 1 2 .0 1 2 .0 1 2 .0 1 .0 1 .0 1 .0	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find at 8:07? A. Eight. Q. And so in one minute A. I'm sorry, one, two, three, four, five, six. Q. And so based on this form, you found eight high-opacity door exceedances in a minute? A. Yes. Q. Is that because it takes just the blink of an eye to do an opacity reading? A. Yes. 	636
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high openity. Q. Okay. And so how would we know if you observed a leak and there was no high openity? A. If you go a little further down, there's one that does not have a charge time, that's not a high openity. Q. And which one are you referring to? Is that B3? A. Correct. Q. And E2 would be the same situation? A. Correct. Q. And the other ones you would have read as a high-openity door, which is why there's a charge time? A. Correct. Q. And for every leak or high-openity reading you do, you write down the oven number; is that correct? 	634 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 4 5 6 7 8 9 .0 .1 2 3 4 5 6 7 8 9 .0 .1 2 3 4 5 6 7 8 9 .0 .1 2 3 4 5 6 7 8 9 .0 .1 2 3 4 5 6 7 8 9 .0 1 2 5 6 7 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 9 .0 1 2 8 .0 1 2 8 .0 1 2 8 .0 1 2 8 .0 1 2 8 .0 1 2 .0 1 2 .0 1 2 .0 1 2 .0 1 2 .0 2 .0	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find at 8:07? A. Eight. Q. And so in one minute A. I'm sorry, one, two, three, four, five, six. Q. And so based on this form, you found eight high-opacity door exceedances in a minute? A. Yes. Q. Is that because it takes just the blink of an eye to do an opacity reading? A. Yes. Q. The entire inspection on the coke side took you 	636
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high operity. Q. Okay. And so how would we know if you observed a leak and there was no high operity? A. If you go a little further down, there's one that obes not have a charge time, that's not a high operity. Q. And which one are you referring to? Is that B3? A. Correct. Q. And B2 would be the same situation? A. Correct. Q. And the other ones you would have read as a high-operity door, which is why there's a charge time? A. Correct. Q. And for every leak or high-operity reading you do, you write down the oven number; is that correct? A. Correct. 	634 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find at 8:07? A. Eight. Q. And so in one minute A. Tim sorry, one, two, three, four, five, six. Q. And so based on this form, you found eight high-opacity door exceedances in a minute? A. Yes. Q. Is that because it takes just the blink of an eye to do an opacity reading? A. Yes. Q. The entire inspection on the coke side took you four minutes, correct? 	636
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high operity. Q. Okay. And so how would we know if you observed a leak and there was no high opacity? A. If you go a little further down, there's one that does not have a charge time, that's not a high operity. Q. And which one are you referring to? Is that B3? A. Correct. Q. And B2 would be the same situation? A. Correct. Q. And the other ones you would have read as a high-operity door, which is why there's a charge time? A. Correct. Q. And for every leak or high-opacity reading you do, you write down the oven number; is that correct? A. Correct. Q. And every oven in a coke battery has a specific 	634 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 7 8 9 0 1 2 3 4 5 7 8 9 0 1 2 3 4 5 7 8 9 0 1 2 3 4 5 7 8 9 0 1 2 3 4 5 7 8 9 0 1 2 3 4 5 7 8 9 0 1 2 3 4 5 7 8 9 0 1 2 3 4 5 7 8 9 0 1 2 3 1 2 1 2	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find at 8:07? A. Eight. Q. And so in one minute A. Tim sorry, one, two, three, four, five, six. Q. And so based on this form, you found eight high-opacity door exceedances in a minute? A. Yes. Q. Is that because it takes just the blink of an eye to do an opacity reading? A. Yes. Q. The entire inspection on the coke side took you four minutes, correct? A. Yes. 	636
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high openity. Q. Okay. And so how would we know if you observed a leak and there was no high openity? A. If you go a little further down, there's one that does not have a charge time, that's not a high openity. Q. And which one are you referring to? Is that B3? A. Correct. Q. And the other ones you would have read as a high-openity door, which is why there's a charge time? A. Correct. Q. And for every leak or high-openity reading you do, you write down the oven number; is that correct? A. Correct. Q. And every oven in a coke battery has a specific number? 	634 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2	1 2 3 4 5 6 7 8 9 .0 1 2 3 4 5 6 7 8 9 0 1 2	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find at 8:07? A. Eight. Q. And so in one minute A. I'm sorry, one, two, three, four, five, six. Q. And so based on this form, you found eight high-opacity door exceedances in a minute? A. Yes. Q. Is that because it takes just the blink of an eye to do an opacity reading? A. Yes. Q. The entire inspection on the coke side took you four minutes, correct? A. Yes. Q. And how many violations? 	636
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high opacity. Q. Okay. And so how would we know if you observed a leak and there was no high opacity? A. If you go a little further down, there's one that does not have a charge time, that's not a high opacity. Q. And which one are you referring to? Is that B3? A. Correct. Q. And B2 would be the same situation? A. Correct. Q. And the other ones you would have read as a high-opacity door, which is why there's a charge time? A. Correct. Q. And for every leak or high-opacity reading you do, you write down the oven number; is that correct? A. Correct. Q. And every oven in a coke battery has a specific number? A. Correct. 	634 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 8 9 0 1 2 3 4 5 7 8 9 0 1 2 3 4 5 7 8 9 0 1 2 3 4 5 7 8 9 0 1 2 3 4 5 7 8 9 0 1 2 3 4 5 7 8 9 0 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 3 1 2 3 2 3	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find at 8:07? A. Eight. Q. And so in one minute A. Fight. Q. And so in one minute A. I'm sorry, one, two, three, four, five, six. Q. And so based on this form, you found eight high-opacity door exceedances in a minute? A. Yes. Q. Is that because it takes just the blink of an eye to do an opacity reading? A. Yes. Q. The entire inspection on the coke side took you four minutes, correct? A. Yes. Q. And how many violations? A. Five minutes. 	636
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 to us what that is? A. The leak that was recorded, that's what time that oven was charged. Q. And so you would only write down a charge time if you also observed a leak? A. On the high operity. Q. Okay. And so how would we know if you observed a leak and there was no high operity? A. If you go a little further down, there's one that does not have a charge time, that's not a high operity. Q. And which one are you referring to? Is that B3? A. Correct. Q. And the other ones you would have read as a high-operity door, which is why there's a charge time? A. Correct. Q. And for every leak or high-operity reading you do, you write down the oven number; is that correct? A. Correct. Q. And every oven in a coke battery has a specific number? A. Correct. Q. And how wide approximately is an oven on a coke 	634 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0.1 2 3 4 5 6 7 8 9 0.1 2 3 4 5 6 7 8 9 0.1 2 3 4 5 6 7 8 9 0.1 2 8 9 0 8 9 0.1 2 9 0 1 2 9 1 9 0 1 2 8 9 0 1 2 8 9 0 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 8 9 1 1 2 1 2 1 2 1 1 2 1 2 1 2 1 2 1 2 1	 A. Correct. Q. You have noted on this inspection form that we are looking at, it looks to be how many leaks were noted at 8:07? A. Eight. Q. And how many high-opacity readings did you find at 8:07? A. Eight. Q. And so in one minute A. Eight. Q. And so in one minute A. I'm sorry, one, two, three, four, five, six. Q. And so based on this form, you found eight high-opacity door exceedances in a minute? A. Yes. Q. Is that because it takes just the blink of an eye to do an opacity reading? A. Yes. Q. The entire inspection on the coke side took you four minutes, correct? A. Yes. Q. And how many violations? A. Five minutes. Q. What's that? 	636

		637		0.0.5
1	${\sf Q}.$ How many exceedances did you find in that five	1	door, the coke oven door, that don't include the door	
2	minutes?	2	and chuck door? You mentioned a buckstay.	
3	A. One if you are talking about the percentage of	3	A. Yeah, brick work, buckstays, lentils, anything	
4	leaking doors. Or are you talking about the opacity?	4	other than the actual vertical face of the oven, I	
5	$Q,\;$ Let's start with percentage of leaking doors. In	5	believe.	
6	your entire five-minute inspection of the coke side, how	6	Q. Okay. So other than buckstays, brick work and	
7	many exceedances did you find?	7	lentils, are there anything else?	
8	A. The opacity readings?	8	A. Nothing is coming to my mind right now.	
9	Q. Door leaks.	9	Q. And would buckstays, brick work, and lentils be	
10	A. Fourteen.	10	considered miscellaneous on this form?	
11	${\sf Q}.$ How many high-opacity exceedances did you find?	11	A. They can be.	
12	A. Twelve.	12	$Q. \ $ If you saw emissions from a door, a chuck door, a	
13	$Q.\;$ And so in a five-minute inspection, you found a	13	buckstay, brick work or lentils, would you consider that	
14	total of 26 exceedances?	14	an emission that you would record on your sheet?	
15	A. I don't understand where you are coming up with	15	A. Yes.	
16	26.	16	Q. And how do you know to do that?	
17	Q. Well, you said 14 door leaks, correct?	17	A. It's part of the procedure.	
18	A. Correct.	18	Q. Is that in the source testing manual?	
19	Q. And then 12 high-opacity doors, correct?	19	A. Yes.	
20	A. Connect.	20	${\sf Q}.$ Where is it in the source testing manual?	
21	Q. And that's a total of 26 exceedances?	21	A. It might be in Article 21.	
22	A. That's not total exceedances.	22	Q. We can look at the source	
23	Q. What are those?	23	A. I'm not remembering right now.	
24	A. The high opacity would be over the allowable.	24	Q. Okay. You can refer back to the source testing	
25	But the counting the door leaks is not counted as a	25	manual if it will help you.	
		638		640
1	total number of exceedances.	638	A. Okay.	640
1 2	total number of exceedences. Q . So that would be the total number of you found	638 1 2	A. Okay. Q. That's Exhibit 22.	64(
1 2 3	total number of exceedances. Q. So that would be the total number of you found 14 total door leaks?	638 1 2 3	A. Okzy.Q. That's Exhibit 22.A. It's Article 21.	64(
1 2 3 4	total number of exceedances. Q. So that would be the total number of you found 14 total door leaks? A. Correct.	638 1 2 3 4	 A. Okay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? 	64(
1 2 3 4 5	<pre>total number of exceedences. Q. So that would be the total number of you found 14 total door leaks? A. Connect. Q. And 12 exceedances of the high-opacity door</pre>	638 1 2 3 4 5	 A. Okay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. 	64(
1 2 3 4 5 6	<pre>total number of exceedances. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard?</pre>	638 1 2 3 4 5 6	 A. Okay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you 	640
1 2 3 4 5 6 7	<pre>total number of exceedences. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard? A. Correct.</pre>	638 1 2 3 4 5 6 7	 A. Okay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you that you can count visible emissions from doors, chuck 	64(
1 2 3 4 5 6 7 8	<pre>total number of exceedences. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard? A. Correct. Q. The bottom right-hand corner, there is do you</pre>	638 1 2 3 4 5 6 7 8	 A. Ckay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of 	64(
1 2 3 4 5 6 7 8 9	<pre>total number of exceedances. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard? A. Correct. Q. The bottom right-hand corner, there is do you see where it says "D equals door; C equals chuck door; M</pre>	638 1 2 3 4 5 6 7 8 9	 A. Okay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of your inspection, correct? 	640
1 2 3 4 5 6 7 8 9 10	<pre>total number of exceedences. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard? A. Correct. Q. The bottom right-hand corner, there is do you see where it says "D equals door; C equals chuck door; M equals miscellaneous"?</pre>	638 1 2 3 4 5 6 7 8 9 10	 A. Okay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of your inspection, correct? A. That's just a guideline, that's not the rule. I 	640
1 2 3 4 5 6 7 8 9 10	<pre>total number of exceedences. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard? A. Correct. Q. The bottom right-hand corner, there is do you see where it says "D equals door; C equals chuck door; M equals miscellaneous"? A. Correct.</pre>	638 1 2 3 4 5 6 7 8 9 10 11	 A. Okay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of your inspection, correct? A. That's just a guideline, that's not the rule. I follow the regulation also. 	640
1 2 3 4 5 6 7 8 9 10 11 12	<pre>total number of exceedences. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard? A. Correct. Q. The bottom right-hand corner, there is do you see where it says "D equals door; C equals chuck door; M equals miscellaneous"? A. Correct. Q. What are those referring to?</pre>	638 1 2 3 4 5 6 7 8 9 10 11 12	 A. Okay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of your inspection, correct? A. That's just a guideline, that's not the rule. I follow the regulation also. Q. Okay. My question was, the source testing manual 	640
1 2 3 4 5 6 7 8 9 10 11 12 13	<pre>total number of exceedances. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard? A. Correct. Q. The bottom right-hand corner, there is do you see where it says "D equals door; C equals chuck door; M equals miscellaneous"? A. Correct. Q. What are those referring to? A. It's an area of the door, the door area.</pre>	638 1 2 3 4 5 6 7 7 8 9 10 11 12 13	 A. Okay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of your inspection, correct? A. That's just a guideline, that's not the rule. I follow the regulation also. Q. Okay. My question was, the source testing manual doesn't say that you can count visible emissions from 	640
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 total number of exceedences. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard? A. Correct. Q. The bottom right-hand corner, there is do you see where it says "D equals door; C equals chuck door; M equals miscellaneous"? A. Correct. Q. What are those referring to? A. It's an area of the door, the door area. Q. Okay. And what's the door referred to, which 	638 1 2 3 4 5 6 7 8 9 10 11 12 13 14	 A. Okay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of your inspection, correct? A. That's just a guideline, that's not the rule. I follow the regulation also. Q. Okay. My question was, the source testing manual doesn't say that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils 	640
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 total number of exceedences. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard? A. Correct. Q. The bottom right-hand corner, there is do you see where it says "D equals door; C equals chuck door; M equals miscellaneous"? A. Correct. Q. What are those referring to? A. It's an area of the door, the door area. Q. Okay. And what's the door referred to, which part of the 	638 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 A. Okay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of your inspection, correct? A. That's just a guideline, that's not the rule. I follow the regulation also. Q. Okay. My question was, the source testing manual doesn't say that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as you can source testing manual doesn't say that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as visible emissions, correct? 	640
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 total number of exceedances. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard? A. Correct. Q. The bottom right-hand corner, there is do you see where it says "D equals door; C equals chuck door; M equals miscellaneous"? A. Correct. Q. What are those referring to? A. It's an area of the door, the door area. Q. Okay. And what's the door referred to, which part of the A. The vertical face. 	638 1 2 3 4 5 6 7 8 9 10 10 11 12 13 14 15 16	 A. Okay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of your inspection, correct? A. That's just a guideline, that's not the rule. I follow the regulation also. Q. Okay. My question was, the source testing manual doesn't say that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of source the regulation also. Q. Okay. My question was, the source testing manual doesn't say that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as visible emissions, correct? A. It doesn't say that I can't either. 	640
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 total number of exceedences. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard? A. Correct. Q. The bottom right-hand corner, there is do you see where it says "D equals door; C equals chuck door; M equals miscellaneous"? A. Correct. Q. What are those referring to? A. It's an area of the door, the door area. Q. Okay. And what's the door referred to, which part of the A. The vertical face. Q. Okay. And what's the chuck door? 	638 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 A. Okay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of your inspection, correct? A. That's just a guideline, that's not the rule. I follow the regulation also. Q. Okay. My question was, the source testing manual doesn't say that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as visible emissions, correct? A. It doesn't say that I can't either. Q. And so who makes that decision? 	640
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 total number of exceedences. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard? A. Correct. Q. The bottom right-hand corner, there is do you see where it says "D equals door; C equals chuck door; M equals miscellaneous"? A. Correct. Q. What are those referring to? A. It's an area of the door, the door area. Q. Okay. And what's the door referred to, which part of the A. The vertical face. Q. Okay. And what's the chuck door? A. It's the area they put the leveling bar through 	638 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. Okay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of your inspection, correct? A. That's just a guideline, that's not the rule. I follow the regulation also. Q. Okay. My question was, the source testing manual doesn't say that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as visible emissions, correct? A. It doesn't say that I can't either. Q. And so who makes that decision? A. The regulations. 	640
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 total number of exceedences. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard? A. Correct. Q. The bottom right-hand corner, there is do you see where it says "D equals door; C equals chuck door; M equals miscellaneous"? A. Correct. Q. What are those referring to? A. It's an area of the door, the door area. Q. Okay. And what's the door referred to, which part of the A. The vertical face. Q. Okay. And what's the chuck door? A. It's the area they put the leveling bar through to level the oven on the pusher side. 	638 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 A. Okay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of your inspection, correct? A. That's just a guideline, that's not the rule. I follow the regulation also. Q. Okay. My question was, the source testing manual doesn't say that you can count visible emissions from doors, chuck doors, chuck doors, buckstays, brick works, and lentils as part of source the regulation also. Q. Okay. My question was, the source testing manual doesn't say that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as visible emissions, correct? A. It doesn't say that I can't either. Q. And so who makes that decision? A. The regulations. Q. Your testimony is that Article 21 specifically 	640
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 total number of exceedences. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard? A. Correct. Q. The bottom right-hand corner, there is do you see where it says "D equals door; C equals chuck door; M equals miscellaneous"? A. Correct. Q. What are those referring to? A. It's an area of the door, the door area. Q. Okay. And what's the door referred to, which part of the A. It's the area they put the leveling bar through to level the oven on the pusher side. Q. Is there any other piece of a coke oven door 	638 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 A. Okay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of your inspection, correct? A. That's just a guideline, that's not the rule. I follow the regulation also. Q. Okay. My question was, the source testing manual doesn't say that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as visible emissions, correct? A. It doesn't say that I can't either. Q. And so who makes that decision? A. The regulations. Q. Your testimony is that Article 21 specifically tells you that you can count visible emissions from 	640
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 total number of exceedences. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard? A. Correct. Q. The bottom right-hand corner, there is do you see where it says "D equals door; C equals chuck door; M equals miscellaneous"? A. Correct. Q. What are those referring to? A. It's an area of the door referred to, which part of the A. The vertical face. Q. Okay. And what's the door referred to, which part of the A. It's the area they put the leveling bar through to level the oven on the pusher side. Q. Is there any other piece of a coke oven door other than the door and the chuck door? 	638 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 A. Okay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of your inspection, correct? A. That's just a guideline, that's not the rule. I follow the regulation also. Q. Okay. My question was, the source testing manual doesn't say that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as visible emissions, correct? A. It doesn't say that I can't either. Q. And so who makes that decision? A. The regulations. Q. Your testimony is that Article 21 specifically tells you that you can count visible emissions from chuck doors, buckstays, brick work and lentils? 	640
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 total number of exceedences. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard? A. Correct. Q. The bottom right-hand corner, there is do you see where it says "D equals door; C equals chuck door; M equals miscellaneous"? A. Correct. Q. What are those referring to? A. It's an area of the door referred to, which part of the Q. Okay. And what's the door referred to, which part of the Q. Okay. And what's the chuck door? M. It's the area they put the leveling bar through to level the oven on the pusher side. Q. Is there any other piece of a coke oven door other than the door and the chuck door? A. Yeah, there's all kinds: the top of the door, 	638 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 A. Chay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of your inspection, correct? A. That's just a guideline, that's not the rule. I follow the regulation also. Q. Okay. My question was, the source testing manual doesn't say that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of source the regulation also. Q. Okay. My question was, the source testing manual doesn't say that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as visible emissions, correct? A. It doesn't say that I can't either. Q. And so who makes that decision? A. The regulations. Q. Your testimony is that Article 21 specifically tells you that you can count visible emissions from chuck doors, buckstays, brick work and lentils? A. I believe that's what it says. Q. And so who make that decision? 	640
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 total number of exceedences. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard? A. Correct. Q. The bottom right-hand corner, there is do you see where it says "D equals door; C equals chuck door; M equals miscellaneous"? A. Correct. Q. What are those referring to? A. It's an area of the door, the door area. Q. Okay. And what's the door referred to, which part of the Q. Okay. And what's the chuck door? A. It's the area they put the leveling bar through to level the oven on the pusher side. Q. Is there any other piece of a coke oven door other than the door and the chuck door? A. Yeah, there's all kinds: the top of the door, above the door, and the buckstays for the adjacent ovens 	638 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 	 A. Okay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of your inspection, correct? A. That's just a guideline, that's not the rule. I follow the regulation also. Q. Okay. My question was, the source testing manual doesn't say that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as visible emissions, correct? A. It doesn't say that I can't either. Q. And so who makes that decision? A. The regulations. Q. Your testimony is that Article 21 specifically tells you that you can count visible emissions from chuck doors, buckstays, brick work and lentils? A. I believe that's what it says. Q. Okay. Where is that? 	640
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 total number of exceedances. Q. So that would be the total number of you found 14 total door leaks? A. Correct. Q. And 12 exceedances of the high-opacity door standard? A. Correct. Q. The bottom right-hand corner, there is do you see where it says "D equals door; C equals chuck door; M equals miscellaneous"? A. Correct. Q. What are those referring to? A. It's an area of the door, the door area. Q. Okay. And what's the door referred to, which part of the Q. Okay. And what's the chuck door? A. It's the area they put the leveling bar through to level the oven on the pusher side. Q. Is there any other piece of a coke oven door other than the door and the chuck door? A. Yeah, there's all kinds: the top of the door, and then down to the buckstays for the adjacent ovens ad	638 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 A. Chay. Q. That's Exhibit 22. A. It's Article 21. Q. So it is not in the source testing manual? A. I do not see it. Q. So the source testing manual doesn't tell you that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as part of your inspection, correct? A. That's just a guideline, that's not the rule. I follow the regulation also. Q. Okay. My question was, the source testing manual doesn't say that you can count visible emissions from doors, chuck doors, buckstays, brick works, and lentils as visible emissions, correct? A. It doesn't say that I can't either. Q. And so who makes that decision? A. The regulations. Q. Your testimony is that Article 21 specifically tells you that you can count visible emissions from chuck doors, buckstays, brick work and lentils? A. I believe that's what it says. Q. Okay. Where is that? A. In Article 21. Q. Your testimon 	640

		641			613
1	A. I do not.	UII	1	behind any given plume?	045
2	Q. Okay. But you are sure it's in there?		2	A. Correct.	
3	A. I can't answer for sure. So if I'm going to put		3	${\sf Q}.$ You had mentioned observing Stage 2 alerts from	
4	that on record, the way I'm recollecting it right now,		4	the hill. Do you remember that testimony?	
5	yes,	1	5	A. Ido.	
6	${\sf Q}.~$ And you believe that's how you learned that these		6	Q. That was about 10 years ago?	
7	count as visible emissions for your inspections?		7	A. Roughly, yes, yes.	
8	A. The way I'm remembering it, yes.		8	Q. Okay. And that would have been PM10 inspections?	
9	Q. And who trained you on that?		9	A. I don't know if they changed it over to 2.5 by	
10	A. I'm going to say a senior colleague that is no		10	then. I know when I was doing hillside observation, it	
11	longer with us.		11	was always they called them Stage 2 alerts.	
12	Q. That was Mr. Denne?		12	${\sf Q}.$ And when these Stage 2 alert inspections were	
13	A. Yes,		13	occurring about 10 years ago, were you working for	
14	$\boldsymbol{Q}.$ That would have been around the 2008 timeframe?		14	Veolia or for the county?	
15	A. Correct.		15	A. I was working for Veolia.	
16	Q. So about 10 years ago?		16	${\sf Q}.$ Okay. So it would have had to have been 10 years	
17	A. Yes.		17	ago because you've been with the county for 10 years?	
18	${\sf Q}.$ The inspection sheet that we see for Exhibit 67,		18	A. Yeah, a little over 10 years ago now.	
19	page 2, is that the whole inspection sheet you would do		19	Q. I wanted to actually, during your direct	
20	for a high-opacity door inspection?		20	testimony, you had some discussion about pushing,	
21	A. Yes.		21	correct?	
22	Q. Okay. So there's not some other sheet that you		22	A. Yes.	
23	would also fill out for high-opacity doors?		23	Q. And pushing is not an alleged violation of the	
24	A. No.		24	enforcement order that is the subject of this appear; is	
2.5	Q. And so you don't record anywhere when you are		20	ulat fight?	
		642			644
1	doing the opacity reading that would show where you were	642	1	A. I'm not really sure what's all in the enforcement	644
1 2	doing the opacity reading that would show where you were standing?	642	1 2	A. I'm not really sure what's all in the enforcement order.	644
1 2 3	doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is	642	1 2 3	 A. I'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can 	644
1 2 3 4	doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to move other than those.	642	1 2 3 4	 A. I'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? 	644
1 2 3 4 5	<pre>doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to move other than those. Q. But you don't record that anywhere in the form?</pre>	642	1 2 3 4 5	 A. I'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? 	644
1 2 3 4 5 6	<pre>doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to move other than those. Q. But you don't record that anywhere in the form? A. I do not.</pre>	642	1 2 3 4 5 6	 A. I'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? MR. DAUSCH: 63, page 68. 	644
1 2 3 4 5 6 7	 doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to move other than those. Q. But you don't record that anywhere in the form? A. I do not. Q. And you don't record where the sun position is at 	642	1 2 3 4 5 6 7	 A. I'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? MR. DAUSCH: 63, page 68. MR. WILLIS: Thank you. 	644
1 2 3 4 5 6 7 8	 doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to move other than those. Q. But you don't record that anywhere in the form? A. I do not. Q. And you don't record where the sun position is at the time you are doing a reading, correct? 	642	1 2 3 4 5 6 7 8	 A. I'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? MR. DAUSCH: 63, page 68. MR. WILLIS: Thank you. BY MR. DAUSCH: 	644
1 2 3 4 5 6 7 8 9	 doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to move other than those. Q. But you don't record that anywhere in the form? A. I do not. Q. And you don't record where the sun position is at the time you are doing a reading, correct? A. Most of the time, the opacity reading is in a conductive of the time. 	642	1 2 3 4 5 6 7 8 9	 A. I'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? MR. DAUSCH: 63, page 68. MR. WILLIS: Thank you. EY MR. DAUSCH: Q. Are you there? 	644
1 2 3 4 5 6 7 8 9 10	 doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to move other than those. Q. But you don't record that anywhere in the form? A. I do not. Q. And you don't record where the sun position is at the time you are doing a reading, correct? A. Most of the time, the opacity reading is in a shadow argway. The sun really didn't matter. 	642	1 2 3 4 5 6 7 8 9 10	 A. I'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? MR. DAUSCH: 63, page 68. MR. WILLIS: Thank you. BY MR. DAUSCH: Q. Are you there? A. I am. Q. Are usu familiar with this document? 	644
1 2 3 4 5 6 7 8 9 10 11	 doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to move other than those. Q. But you don't record that anywhere in the form? A. I do not. Q. And you don't record where the sun position is at the time you are doing a reading, correct? A. Most of the time, the opacity reading is in a shadow argway. The sun really didn't matter. Q. That's not what I was asking. You don't record the sun position is not record the sun position in your inspection. 	642	1 2 3 4 5 6 7 8 9 10 11	 A. T'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? MR. DAUSCH: 63, page 68. MR. WILLIS: Thank you. EY MR. DAUSCH: Q. Are you there? A. I am. Q. Are you familiar with this document? 	644
1 2 3 4 5 6 7 8 9 10 11 12 13	 doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to move other than those. Q. But you don't record that anywhere in the form? A. I do not. Q. And you don't record where the sun position is at the time you are doing a reading, correct? A. Most of the time, the opacity reading is in a shadow anyway. The sun really didn't matter. Q. That's not what I was asking. You don't record the sun position in your inspection, correct? 	642	1 2 3 4 5 6 7 8 9 10 11 12	 A. I'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? MR. DAUSCH: 63, page 68. MR. WILLIS: Thank you. EY MR. DAUSCH: Q. Are you there? A. I am. Q. Are you familiar with this document? A. I am. Q. Is this a document that you would have completed 	644
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to move other than those. Q. But you don't record that anywhere in the form? A. I do not. Q. And you don't record where the sun position is at the time you are doing a reading, correct? A. Most of the time, the opacity reading is in a shadow argway. The sun really didn't matter. Q. That's not what I was asking. You don't record the sun position in your inspection, correct? A. Correct. Q. And you don't record your distance from any plume 	642	1 2 3 4 5 6 7 8 9 10 11 12 13	 A. I'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? MR. DAUSCH: 63, page 68. MR. WILLIS: Thank you. BY MR. DAUSCH: Q. Are you there? A. I am. Q. Is this a document that you would have completed for a charging inspection? 	644
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to move other than those. Q. But you don't record that anywhere in the form? A. I do not. Q. And you don't record where the sun position is at the time you are doing a reading, correct? A. Most of the time, the opacity reading is in a shadow anyway. The sun really didn't matter. Q. That's not what I was asking. You don't record the sun position in your inspection, correct? A. Correct. Q. And you don't record your distance from any plume that you observed, correct? 	642	1 2 3 4 5 6 7 8 9 10 11 12 13 14	 A. T'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? MR. DAUSCH: 63, page 68. MR. WILLIS: Thank you. EY MR. DAUSCH: Q. Are you there? A. I am. Q. Is this a document that you would have completed for a charging inspection? A. Yee. 	644
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to move other than those. Q. But you don't record that anywhere in the form? A. I do not. Q. And you don't record where the sun position is at the time you are doing a reading, correct? A. Most of the time, the opacity reading is in a shadow anyway. The sun really didn't matter. Q. That's not what I was asking. You don't record the sun position in your inspection, correct? A. Correct. Q. And you don't record your distance from any plume that you observed, correct? 	642	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 A. I'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? MR. DAUSCH: 63, page 68. MR. WILLIS: Thank you. EY MR. DAUSCH: Q. Are you there? A. I am. Q. Are you familiar with this document? A. I am. Q. Is this a document that you would have completed for a charging inspection? A. Yes. Q. And this is the standard form that the county 	644
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to move other than those. Q. But you don't record that anywhere in the form? A. I do not. Q. And you don't record where the sun position is at the time you are doing a reading, correct? A. Most of the time, the opacity reading is in a shadow argway. The sun really didn't matter. Q. That's not what I was asking. You don't record the sun position in your inspection, correct? A. Correct. Q. And you don't record your distance from any plume that you observed, correct? A. Correct. Q. You don't observe or you don't record wind 	642	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 A. I'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? MR. DAUSCH: 63, page 68. MR. WILLIS: Thank you. BY MR. DAUSCH: Q. Are you there? A. I am. Q. Is this a document that you would have completed for a charging inspection? A. Yes. Q. And this is the standard form that the county uses for charging inspections, correct? 	644
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to move other than those. Q. But you don't record that anywhere in the form? A. I do not. Q. And you don't record where the sun position is at the time you are doing a reading, correct? A. Most of the time, the opacity reading is in a shadow anyway. The sun really didn't matter. Q. That's not what I was asking. You don't record the sun position in your inspection, correct? A. Correct. Q. And you don't record your distance from any plume that you observed, correct? A. Correct. Q. You don't observe or you don't record wind direction anywhere, correct? 	642	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. T'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? MR. DAUSCH: 63, page 68. MR. WILLIS: Thank you. EY MR. DAUSCH: Q. Are you there? A. I am. Q. Is this a document that you would have completed for a charging inspection? A. Yes. Q. And this is the standard form that the county uses for charging inspections, correct? 	644
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to nove other than those. Q. But you don't record that anywhere in the form? A. I do not. Q. And you don't record where the sun position is at the time you are doing a reading, correct? A. Most of the time, the opacity reading is in a shadow anyway. The sun really didn't matter. Q. That's not what I was asking. You don't record the sun position in your inspection, correct? A. Correct. Q. And you don't record your distance from any plume that you observed, correct? A. Correct. Q. You don't observe or you don't record wind direction anywhere, correct? A. Correct. 	642	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 A. T'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? MR. DAUSCH: 63, page 68. MR. WILLIS: Thank you. EY MR. DAUSCH: Q. Are you there? A. I am. Q. Is this a document that you would have completed for a charging inspection? A. Yes. Q. And this is the standard form that the county uses for charging inspections, correct? Q. This is a charging inspection you did on Battery 	644
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to nove other than those. Q. But you don't record that anywhere in the form? A. I do not. Q. And you don't record where the sun position is at the time you are doing a reading, correct? A. Most of the time, the opacity reading is in a shadow argway. The sun really didn't matter. Q. That's not what I was asking. You don't record the sun position in your inspection, correct? A. Correct. Q. And you don't record your distance from any plume that you observed, correct? A. Correct. Q. You don't observe or you don't record wind direction anywhere, correct? A. Correct. Q. You don't record wind speed? 	642	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 A. I'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? MR. DAUSCH: 63, page 68. MR. WILLIS: Thank you. BY MR. DAUSCH: Q. Are you there? A. I am. Q. Are you familiar with this document? A. I am. Q. Is this a document that you would have completed for a charging inspection? A. Yes. Q. And this is the standard form that the county uses for charging inspections, correct? A. This is what we use, correct. Q. This is a charging inspection you did on Battery B for October 23rd, 2017? 	644
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to move other than those. Q. But you don't record that anywhere in the form? A. I do not. Q. And you don't record where the sun position is at the time you are doing a reading, correct? A. Most of the time, the opacity reading is in a shadow anyway. The sun really didn't matter. Q. That's not what I was asking. You don't record the sun position in your inspection, correct? A. Correct. Q. And you don't record your distance from any plume that you observed, correct? A. Correct. Q. You don't observe or you don't record wind cdirection anywhere, correct? A. Correct. Q. You don't record wind speed? A. Correct. 	642	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 A. T'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? MR. DAUSCH: 63, page 68. MR. WILLIS: Thank you. EY MR. DAUSCH: Q. Are you there? A. I am. Q. Are you familiar with this document? A. I am. Q. Is this a document that you would have completed for a charging inspection? A. Yes. Q. And this is the standard form that the county uses for charging inspections, correct? A. This is what we use, correct. Q. This is a charging inspection you did on Battery B for October 23rd, 2017? A. Correct. 	644
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to nove other than those. Q. But you don't record that anywhere in the form? A. I do not. Q. And you don't record where the sun position is at the time you are doing a reading, correct? A. Most of the time, the opacity reading is in a shadow anyway. The sun really didn't matter. Q. That's not what I was asking. You don't record the sun position in your inspection, correct? A. Correct. Q. You don't record your distance from any plume that you observed, correct? A. Correct. Q. You don't record wind speed? A. Correct. Q. You don't record a description of the sky 	642	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 A. T'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? MR. DAUSCH: 63, page 68. MR. WILLIS: Thank you. EY MR. DAUSCH: Q. Are you there? A. I am. Q. Is this a document that you would have completed for a charging inspection? A. Yas. Q. And this is the standard form that the county uses for charging inspections, correct? A. This is what we use, correct. Q. This is a charging inspection you did on Battery B for October 23rd, 2017? A. Correct. Q. You don't record anywhere on your charging 	644
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to nove other than those. Q. But you don't record that anywhere in the form? A. I do not. Q. And you don't record where the sun position is at the time you are doing a reading, correct? A. Most of the time, the opacity reading is in a shadow argway. The sun really didn't matter. Q. That's not what I was asking. You don't record the sun position in your inspection, correct? A. Correct. Q. You don't record your distance from any plume that you observed, correct? A. Correct. Q. You don't observe or you don't record wind direction anywhere, correct? A. Correct. Q. You don't record wind speed? A. Correct. Q. You don't record a description of the sky condition? 	642	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 A. T'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? MR. DAUSCH: 63, page 68. MR. WILLIS: Thank you. EY MR. DAUSCH: Q. Are you there? A. I am. Q. Are you familiar with this document? A. I am. Q. Is this a document that you would have completed for a charging inspection? A. Yes. Q. And this is the standard form that the county uses for charging inspections, correct? A. This is what we use, correct. Q. This is a charging inspection you did on Battery B for October 23rd, 2017? A. Correct. Q. You don't record anywhere on your charging inspection how far away you are standing during any 	644
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to move other than those. Q. But you don't record that anywhere in the form? A. I do not. Q. And you don't record where the sun position is at the time you are doing a reading, correct? A. Most of the time, the opacity reading is in a shadow anyway. The sun really didn't matter. Q. That's not what I was asking. You don't record the sun position in your inspection, correct? A. Correct. Q. And you don't record your distance from any plume that you observed, correct? A. Correct. Q. You don't observe or you don't record wind cirection anywhere, correct? A. Correct. Q. You don't record wind speed? A. Correct. Q. You don't record a description of the sky condition? A. Correct. 	642	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 A. T'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WILLIS: Which exhibit? MR. DAUSCH: 63, page 68. MR. WILLIS: Thank you. EY MR. DAUSCH: Q. Are you there? A. I am. Q. Are you familiar with this document? A. I am. Q. Is this a document that you would have completed for a charging inspection? A. Yas. Q. And this is the standard form that the county uses for charging inspections, correct? A. This is what we use, correct. Q. This is a charging inspection you did on Battery 5 for October 23rd, 2017? A. Correct. Q. You don't record anywhere on your charging inspection how far away you are standing during any given charge, correct? 	644
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 doing the opacity reading that would show where you were standing? A. Twenty-five feet away in a coke yard, there is not really much room to move other than those. Q. But you don't record that anywhere in the form? A. I do not. Q. And you don't record where the sun position is at the time you are doing a reading, correct? A. Most of the time, the opacity reading is in a stadow anyway. The sun really didn't matter. Q. That's not what I was asking. You don't record the sun position in your inspection, correct? A. Correct. Q. You don't record your distance from any plume that you observed, correct? A. Correct. Q. You don't record wind speed? A. Correct. Q. You don't record a description of the sky condition? A. Correct. Q. You don't record what was in the background 	642	1 2 3 4 5 6 7 8 9 10 11 21 3 14 15 16 17 18 19 20 21 22 23 24 25	 A. I'm not really sure what's all in the enforcement order. Q. Okay. I want to ask you about charging now. Can you look at Exhibit 63, page 68? MR. WIILLIS: Which exhibit? MR. DAUSCH: 63, page 68. MR. WIILLIS: Thank you. EY MR. DAUSCH: Q. Are you there? A. I am. Q. Are you familiar with this document? A. I am. Q. Is this a document that you would have completed for a charging inspection? A. Yas. Q. And this is the standard form that the county uses for charging inspections, correct? A. This is what we use, correct. Q. This is a charging inspection you did on Battery B for October 23rd, 2017? A. Correct. Q. You don't record anywhere on your charging inspection how far away you are standing during any given charge, correct? A. Correct. 	644

		645		64
1	${\sf Q}.$ What are all of the points where you can observe	1	it was relayed somewhere along the line. And he would	
2	visible emission from a charge?	2	note the time with the two-minute exemption. And they	
3	A. There's the ports. There's the actual larry	3	came up with the flame or no flame meaning combusted or	
4	cars, hoppers, drop sleeves, anything from, I guess, the	4	non-combusted. It was saying it on that line.	
5	machine, the lids. That's about it.	5	And it was stated it didn't matter how long or	
6	Q. Okay. And so if you saw visible emissions from	6	the duration, just the fact that if there was an	
7	the ports, the hopper, the larry car, drop sleeve,	7	emissions or not.	
8	anything from the machine, from the lids, that would be	8	And somebody, I believe it might have been the	
9	something that you would record during a charging	9	environmental engineer, stated, I quess, to do a three	
10	inspection?	10	to five minute for diagnostics to see how long it was	
11	A. Correct	11	going on maybe. And they were stating that typically	
12	O. And where did you learn that, that those specific	12	soaking doesn't last any longer than two to five minutes	
13	things count for a charging inspection?	13	because the mene usually rule before then	
11	Δ That we from my training with the provides	14	O and so your recollection was that the reason the	
15	A. Hat was from my training with the previous	15	C. And so your recorrection was that the reason the	
15	Inspector.	15	Form goes from zero to five minutes was for diagnostic	
10	Q. Okay. Inat would have been Mr. Denne who taught	10	purposes?	
17	you that?		A. I thought that's what was said.	
18	A. Correct.	18	Q. Okay. And you believe that that was Ed Peresie	
19	Q. That information is not contained anywhere in the	19	who said that?	
20	source testing manual; is that fair?	20	A. I thought it was Coleen that said that because	
21	A. That's fair.	21	she is the one that would do the diagnostics with it to	
22	${\sf Q}.$ Okay. And that information wouldn't be contained	22	see how long it was going on.	
23	in Article 21 anywhere?	23	Q. What is her last name?	
24	A. I believe it is, but I'm not 100 percent sure.	24	A. Davis.	
25	${\sf Q}.$ Okay. Are you 100 percent sure that that	25	Q. And who does she work for?	
1	information is in any document?	1	A. United States Steel.	
2	A. I'm not 100 percent sure.	2	O At the top of this document there's a battery	
3			Q. At the top of and doubler, there by dictory	
0	Q. You also do soaking inspections, correct?	3	that is identified, correct?	
4	Q. You also do soaking inspections, correct?A. I do.	3	that is identified, correct? A. Correct.	
4 5	Q. You also do soaking inspections, correct?A. I do.Q. And can you look at Exhibit 64 on page 3?	3 4 5	 At the cop of this decides, there is a decidity that is identified, correct? A. Correct. Q. And this inspection would have occurred on 	
4 5 6	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. 	3 4 5 6	 At the cop of this decide, check of a deterry that is identified, correct? A. correct. Q. And this inspection would have occurred on Battery B; is that correct? 	
4 5 6 7	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions 	3 4 5 6 7	 At the top of this decide, there is a deterily that is identified, correct? A. Correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. 	
4 5 6 7 8	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions cbservation form that you filled out, correct? 	3 4 5 6 7 8	 At the cop of this decide, check of a detery that is identified, correct? A. correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. Q. And every time you would do a scaking emissions 	
4 5 6 7 8 9	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions observation form that you filled out, correct? A. Correct. 	- 3 4 5 6 7 8 9	 c. At the cop of this decides, there o a detery that is identified, correct? A. correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. Q. And every time you would do a scaking emissions observation, you would record the oven number; is that 	
4 5 6 7 8 9	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions cbservation form that you filled out, correct? A. Correct. Q. And this is a standard form that the county uses 	- 3 4 5 6 7 8 9 10	 c. At the cop of this decide, check of a detery that is identified, correct? A. Correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. Q. And every time you would do a soaking emissions observation, you would record the oven number; is that correct? 	
4 5 6 7 8 9 10 11	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions coservation form that you filled out, correct? A. Correct. Q. And this is a standard form that the county uses for observing soaking, correct? 	3 4 5 6 7 8 9 10	 At the top of this decide, check of a detery that is identified, correct? A. Correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. Q. And every time you would do a soaking emissions observation, you would record the oven number; is that correct? A. Yes. 	
4 5 6 7 8 9 10 11 12	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions observation form that you filled out, correct? A. Correct. Q. And this is a standard form that the county uses for observing soaking, correct? A. Correct. 	3 4 5 6 7 8 9 10 11	 c. At the cop of this decides, there is a dattery that is identified, correct? A. correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. Q. And every time you would do a scaking emissions observation, you would record the oven number; is that correct? A. Yes. Q. And so we can see on this form that there were 	
4 5 6 7 8 9 10 11 12 13	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions observation form that you filled out, correct? A. Correct. Q. And this is a standard form that the county uses for observing soaking, correct? A. Correct. Q. Do you know who created this form? 	3 4 5 6 7 8 9 10 11 12 13	 c. At the cop of this decide, check of a detery that is identified, correct? A. Correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. Q. And every time you would do a soaking emissions observation, you would record the oven number; is that correct? A. Yes. Q. And so we can see on this form that there were three oven numbers that were identified: A22, A24 and 	
4 5 6 7 8 9 10 11 12 13 14	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions observation form that you filled out, correct? A. Correct. Q. And this is a standard form that the county uses for observing soaking, correct? A. Correct. Q. Do you know who created this form? A. I don't remember who actually created it, but I 	3 4 5 6 7 8 9 10 11 12 13 14	 c. At the cop of this decide, check of a detery that is identified, correct? A. Correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. Q. And every time you would do a soaking emissions observation, you would record the oven number; is that correct? A. Yes. Q. And so we can see on this form that there were three oven numbers that were identified: A22, A24 and A26; is that correct? 	
4 5 6 7 8 9 10 11 12 13 14	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions observation form that you filled out, correct? A. Correct. Q. And this is a standard form that the county uses for observing soaking, correct? A. Correct. Q. Do you know who created this form? A. I don't remember who actually created it, but I remember it being epoken about and why it looks like 	3 4 5 6 7 8 9 10 11 12 13 14 15	 c. At the top of this decide, check of detecty that is identified, correct? A. Correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. Q. And every time you would do a soaking emissions observation, you would record the oven number; is that correct? A. Yes. Q. And so we can see on this form that there were three oven numbers that were identified: A22, A24 and A26; is that correct? A. Yes. 	
4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions cbservation form that you filled out, correct? A. Correct. Q. And this is a standard form that the county uses for observing soaking, correct? A. Correct. Q. Do you know who created this form? A. I don't remember who actually created it, but I remember it being spoken about and why it looks like and why it's done the way it is now. 	3 4 5 6 7 8 9 10 11 12 13 14 15 16	 c. At the cop of this deciding, there is a dattery that is identified, correct? A. Correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. Q. And every time you would do a soaking emissions observation, you would record the oven number; is that correct? A. Yes. Q. And so we can see on this form that there were three oven numbers that were identified: A22, A24 and A26; is that correct? A. Yes. Q. And FS and CS undermeath those would refer to 	
4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions cbservation form that you filled out, correct? A. Correct. Q. And this is a standard form that the county uses for observing soaking, correct? A. Correct. Q. Do you know who created this form? A. I don't remember who actually created it, but I remember it being epoken about and why it looks like and why it's done the way it is now. Q. And who spoke about it? 	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 c. At the cop of this deciding, there is a dattery that is identified, correct? A. Correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. Q. And every time you would do a soaking emissions observation, you would record the oven number; is that correct? A. Yes. Q. And so we can see on this form that there were three oven numbers that were identified: A22, A24 and A26; is that correct? A. Yes. Q. And FS and CS underneath those would refer to either the push side or the coke side, correct? 	
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions cbservation form that you filled out, correct? A. Correct. Q. And this is a standard form that the county uses for observing soaking, correct? A. Correct. Q. Do you know who created this form? A. I don't remember who actually created it, but I remember it being spoken about and why it looks like and why it's done the way it is now. Q. And who spoke about it? A. I know there was a previous environmental 	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 c. At the cop of this deciding, there o a detery that is identified, correct? A. Correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. Q. And every time you would do a soaking emissions observation, you would record the oven number; is that correct? A. Yes. Q. And so we can see on this form that there were three oven numbers that were identified: A22, A24 and A26; is that correct? A. Yes. Q. And PS and CS undermeath those would refer to either the push side or the coke side, correct? A. Correct. 	
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions cbservation form that you filled out, correct? A. Correct. Q. And this is a standard form that the county uses for observing soaking, correct? A. Correct. Q. Do you know who created this form? A. I don't remember who actually created it, but I remember it being spoken about and why it looks like and why it's done the way it is now. Q. And who spoke about it? A. I know there was a previous environmental engineer, and I want to say from our office. I don't 	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 that is identified, correct? A. Correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. Q. And every time you would do a scaking emissions observation, you would record the oven number; is that correct? A. Yes. Q. And so we can see on this form that there were three oven numbers that were identified: A22, A24 and A26; is that correct? A. Yes. Q. And FS and CS underneath those would refer to either the push side or the coke side, correct? A. Correct. Q. There is underneath that a cap opening time and 	
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions observation form that you filled out, correct? A. Correct. Q. And this is a standard form that the county uses for observing soaking, correct? A. Correct. Q. Do you know who created this form? A. I don't remember who actually created it, but I remember it being spoken about and why it looks like and why it's done the way it is now. Q. And who spoke about it? A. I know there was a previous environmental engineer, and I want to say from our office. I don't 	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 that is identified, correct? A. Correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. Q. And every time you would do a soaking emissions observation, you would record the oven number; is that correct? A. Yes. Q. And so we can see on this form that there were three oven numbers that were identified: A22, A24 and A26; is that correct? A. Yes. Q. And FS and CS undermeath those would refer to either the push side or the coke side, correct? A. Correct. Q. There is undermeath that a cap opening time and then also an observation start time. Do you see that? 	
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions cbservation form that you filled out, correct? A. Correct. Q. And this is a standard form that the county uses for observing soaking, correct? A. Correct. Q. Do you know who created this form? A. I don't remember who actually created it, but I remember it being spoken about and why it looks like and why it's done the way it is now. Q. And who spoke about it? A. I know there was a previous environmental engineer, and I want to say from our office. I don't recall who actually it was. It might have been Ed Feresie, who is no longer here also. 	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 d. At the cop of this deciding, there is a dattery that is identified, correct? A. Correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. Q. And every time you would do a soaking emissions observation, you would record the oven number; is that correct? A. Yes. Q. And so we can see on this form that there were three oven numbers that were identified: A22, A24 and A26; is that correct? A. Yes. Q. And FS and CS underneath those would refer to either the push side or the coke side, correct? A. Correct. Q. There is underneath that a cap opening time and then also an observation start time. Do you see that? A. Yes. 	
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions cbservation form that you filled out, correct? A. Correct. Q. And this is a standard form that the county uses for observing soaking, correct? A. Correct. Q. Do you know who created this form? A. I don't remember who actually created it, but I remember it being spoken about and why it looks like and why it's done the way it is now. Q. And who spoke about it? A. I know there was a previous environmental engineer, and I want to say from our office. I don't recall who actually it was. It might have been Ed Peresie, who is no longer here also. Q. And what do you remember the discussions being 	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 that is identified, correct? A. Correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. Q. And every time you would do a scaking emissions observation, you would record the oven number; is that correct? A. Yes. Q. And so we can see on this form that there were three oven numbers that were identified: A22, A24 and A26; is that correct? A. Yes. Q. And PS and CS undermeath those would refer to either the push side or the coke side, correct? A. Correct. Q. There is undermeath that a cap opening time and then also an observation start time. Do you see that? A. Yes. Q. And what is your understanding of the purpose for 	
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions cbservation form that you filled out, correct? A. Correct. Q. And this is a standard form that the county uses for observing soaking, correct? A. Correct. Q. Do you know who created this form? A. I don't remember who actually created it, but I remember it being spoken about and why it looks like and why it's done the way it is now. Q. And who spoke about it? A. I know there was a previous environmental engineer, and I want to say from our office. I don't recall who actually it was. It might have been Ed Peressie, who is no longer here also. Q. And what do you remember the discussions being 	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 c. At the cop of this deciding, there is a dattery is that is identified, correct? A. Correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. Q. And every time you would do a soaking emissions observation, you would record the oven number; is that correct? A. Yes. Q. And so we can see on this form that there were three oven numbers that were identified: A22, A24 and A26; is that correct? A. Yes. Q. And PS and CS underneath those would refer to either the push side or the coke side, correct? A. Correct. Q. There is underneath that a cap opening time and then also an observation start time. Do you see that? A. Yes. Q. And what is your understanding of the purpose for those two rows? 	
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions cbservation form that you filled out, correct? A. Correct. Q. And this is a standard form that the county uses for observing soaking, correct? A. Correct. Q. Do you know who created this form? A. I don't remember who actually created it, but I remember it being epoken about and why it looks like and why it's done the way it is now. Q. And who spoke about it? A. I know there was a previous environmental engineer, and I want to say from our office. I don't recall who actually it was. It might have been Ed Peressie, who is no longer here also. Q. And what do you remember the discussions being about this form? A. I remember we were talking about soaking and the 	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 that is identified, correct? A. Correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. Q. And every time you would do a soaking emissions observation, you would record the oven number; is that correct? A. Yes. Q. And so we can see on this form that there were three oven numbers that were identified: A22, A24 and A26; is that correct? A. Yes. Q. And FS and CS underneath those would refer to either the push side or the coke side, correct? A. Correct. Q. There is underneath that a cap opening time and then also an observation start time. Do you see that? A. Yes. Q. And what is your understanding of the purpose for those two rows? A. There was a two-minute exemption to allow for any 	
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 Q. You also do soaking inspections, correct? A. I do. Q. And can you look at Exhibit 64 on page 3? A. I'm there. Q. Exhibit 64 on page 3 is a soaking emissions cosrect. Q. And this is a standard form that the county uses for observing soaking, correct? A. Correct. Q. Do you know who created this form? A. I don't remember who actually created it, but I remember it being spoken about and why it looks like and why it's done the way it is now. Q. And who spoke about it? A. I know there was a previous environmental ergineer, and I want to say from our office. I don't recall who actually it was. It might have been Ed Peressie, who is no longer here also. Q. And what do you remember the discussions being about this form? A. I remember we were talking about soaking and the two-minute exemption, or they were talking about soaking and the 	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 that is identified, correct? A. Correct. Q. And this inspection would have occurred on Battery B; is that correct? A. Yes. Q. And every time you would do a soaking emissions observation, you would record the oven number; is that correct? A. Yes. Q. And so we can see on this form that there were three oven numbers that were identified: A22, A24 and A26; is that correct? A. Yes. Q. And PS and CS underneath those would refer to either the push side or the coke side, correct? A. Correct. Q. There is underneath that a cap opening time and then also an observation start time. Do you see that? A. Yes. Q. And what is your understanding of the purpose for those two rows? A. There was a two-minute exemption to allow for any kind of corrective action before the actual readire. 	

		649			651
1	that was my understanding.		1	Q_{\star} How do you know how many readings using EPA's	
2	Q. Okay. And so you wait two minutes before you do		2	Method 9 you take on any given inspection?	
3	your reading of soaking?		3	A. I was trying to fill out the whole paperwork that	
4	A. Yes.		4	was, you know, showing the five minutes or unless I got	
5	Q. And underneath that, there's a non-combusted		5	caught up into another part of the inspection. If it	
6	emissions max opacity. Can you tell us what that's for?		6	was consistent with staying the same, that was what we	
7	A. If there was a no flame, they were considering		7	were discussing, was that it was allowable because it	
8	that as non-combusted. And then the opacity would be		8	was stated a long time ago with the other engineer that	
9	written for the max on that line.		9	they really wouldn't be scaking for any longer than	
10	Q. Okay. And if there was a flame, would there be		10	three minutes.	
11	any opacity recorded on that line?		11	${\sf Q}.$ Okay. So is it fair to say that your soaking	
12	A. I'm going to say sometimes I did put it there		12	observations are never the same amount of time?	
13	just so it would clarify and put everything in that same		13	A. That's fair.	
14	area so somebody wouldn't have to look all over the		14	${\sf Q}.$ Okay. And we can see on this form that one of	
15	peper for it if it was on there.		15	your soaking observations, it looks like you did	
16	O. Okay. And is there any written guidance document		16	readings up until a minute and 30 seconds on the A24	
17	that you're aware of that tells you how to fill out that		17	oven?	
18	part of the form with the flame or no flame?		18	A. Yes.	
19	A I don't recall any.		19	Q. And then on your reading for the A26 oven, you	
20	• And was this something that you learned from your		20	only did readings for a minute; is that correct?	
21	training from Mr. Denne about 10 years ago?		21	A. The recorded reactings, yes.	
22	A No actually prior to this being an actual reg.		22	O . Okay. So the number of recorded readings varies,	
22	T did a lot of toot miloting for U.S. Steel when I was		23	depending on the particular scaking emissions	
23	with the contractor cathering information. And all the		24	observation?	
24	will be contracted gate big interference. And the tab		25	A. Well, it was more once there was an opacity over	
20	TRUMPLIA GET HE GRASSE GET TENTER, GET IS				
		7			
		650			652
1	of how they came up with everything.	650	1	the allowable, it's technically done and over with	652
1	of how they came up with everything. Q. When you read opacity and you see opacity during	650	1 2	the allowable, it's technically done and over with anyways.	652
1 2 3	of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it?	650	1 2 3	the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the	652
1 2 3 4	of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do.	650	1 2 3 4	<pre>the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your</pre>	652
1 2 3 4 5	<pre>of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do</pre>	650	1 2 3 4 5	the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection?	652
1 2 3 4 5 6	<pre>of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it?</pre>	650	1 2 3 4 5 6	<pre>the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind</pre>	652
1 2 3 4 5 6 7	<pre>of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do.</pre>	650	1 2 3 4 5 6 7	<pre>the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition</pre>	652
1 2 3 4 5 6 7 8	<pre>of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do. Q. And why do you do that?</pre>	650	1 2 3 4 5 6 7 8	 the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you scretimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. 	652
1 2 3 4 5 6 7 8 9	<pre>of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do. Q. And why do you do that? A. That was part of the procedure with the with</pre>	650	1 2 3 4 5 6 7 8 9	 the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. Q. Okay, and so it varies. Sometimes you will see 	652
1 2 3 4 5 6 7 8 9	<pre>of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do. Q. And why do you do that? A. That was part of the procedure with the with filling out the document hare.</pre>	650	1 2 3 4 5 6 7 8 9	 the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. Q. Okay, and so it varies. Sometimes you will see an exceedance and you will decide that that's enough and 	652
1 2 3 4 5 6 7 8 9 10	<pre>of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do. Q. And why do you do that? A. That was part of the procedure with the with filling out the document hare. Q. Okay. And do you know if anywhere in the source</pre>	650	1 2 3 4 5 6 7 8 9 10 11	 the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. Q. Okay, and so it varies. Sometimes you will see an exceedance and you will decide that that's enough and you can stop your observation, or sometimes you will 	652
1 2 3 4 5 6 7 8 9 10 11	 of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do. Q. And why do you do that? A. That was part of the procedure with the with filling out the document here. Q. Okay. And do you know if anywhere in the source testing manual it tells you whether or not flame or no 	650	1 2 3 4 5 6 7 8 9 10 11 12	 the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. Q. Okay, and so it varies. Sometimes you will see an exceedance and you will decide that that's enough and you can stop your observation, or sometimes you will continue even with zeros? 	652
1 2 3 4 5 6 7 8 9 10 11 12 13	<pre>of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do. Q. And why do you do that? A. That was part of the procedure with the with filling out the document hare. Q. Okay. And do you know if anywhere in the source testing manual it tells you whether or not flame or no flame count as opacity?</pre>	650	1 2 3 4 5 6 7 8 9 10 11 12 13	 the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. Q. Okay, and so it varies. Sometimes you will see an exceedance and you will decide that that's enough and you can stop your observation, or sometimes you will continue even with zeros? A. Correct. 	652
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do. Q. And why do you do that? A. That was part of the procedure with the with filling out the document hare. Q. Okay. And do you know if anywhere in the source testing manual it tells you whether or not flame or no flame count as opacity? A. No. 	650	1 2 3 4 5 6 7 8 9 10 11 12 13 14	 the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. Q. Okay, and so it varies. Sometimes you will see an exceedance and you will decide that that's enough and you can stop your observation, or sometimes you will continue even with zeros? A. Correct. Q. Okay. And how do you know when to make that 	652
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do. Q. And why do you do that? A. That was part of the procedure with the with filling out the document hare. Q. Okay. And do you know if anywhere in the source testing manual it tells you whether or not flame or no flame count as opacity? A. No. Q. Do you know if that's stated anywhere in Article 	650	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. Q. Okay, and so it varies. Sometimes you will see an exceedance and you will decide that that's enough and you can stop your observation, or sometimes you will continue even with zeros? A. Connect. Q. Okay. And how do you know when to make that decision? Is that in the source testing manual? 	652
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do. Q. And why do you do that? A. That was part of the procedure with the with filling out the document here. Q. Okay. And do you know if anywhere in the source testing manual it tells you whether or not flame or no flame count as opacity? A. No. Q. Do you know if that's stated anywhere in Article 	650	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. Q. Okay, and so it varies. Sometimes you will see an exceedance and you will decide that that's enough and you can stop your observation, or sometimes you will continue even with zeros? A. Connect. Q. Okay. And how do you know when to make that decision? Is that in the source testing manual? A. No, it is not. 	652
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do. Q. And why do you do that? A. That was part of the procedure with the with filling out the document hare. Q. Okay. And do you know if anywhere in the source testing manual it tells you whether or not flame or no flame count as opacity? A. No. Q. Do you know if that's stated anywhere in Article 21? A. I don't recall seeing that. 	650	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. Q. Okay, and so it varies. Sometimes you will see an exceedance and you will decide that that's enough and you can stop your observation, or sometimes you will continue even with zeros? A. Correct. Q. Okay. And how do you know when to make that decision? Is that in the source testing manual? A. No, it is not. Q. Okay. Is that just something you do on your own? 	652
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do. Q. And why do you do that? A. That was part of the procedure with the with filling out the document hare. Q. Okay. And do you know if anywhere in the source testing manual it tells you whether or not flame or no flame count as opacity? A. No. Q. Do you know if that's stated anywhere in Article 21? A. I don't recall seeing that. Q. And why is it that you do that? 	650	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. Q. Okay, and so it varies. Sometimes you will see an exceedance and you will decide that that's enough and you can stop your observation, or sometimes you will continue even with zeros? A. Correct. Q. Okay. And how do you know when to make that decision? Is that in the source testing manual? A. No, it is not. Q. Okay. Is that just something you do on your own? A. It's just random, yes. 	652
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do. Q. And why do you do that? A. That was part of the procedure with the with filling out the document here. Q. Okay. And do you know if anywhere in the source testing manual it tells you whether or not flame or no flame count as opacity? A. No. Q. Do you know if that's stated anywhere in Article 21? A. I don't recall seeing that. Q. And why is it that you do that? 	650	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. Q. Okay, and so it varies. Sometimes you will see an exceedance and you will decide that that's enough and you can stop your observation, or sometimes you will continue even with zeros? A. Correct. Q. Okay. And how do you know when to make that decision? Is that in the source testing manual? A. No, it is not. Q. Okay. Is that just something you do on your own? A. It's just random, yes. Q. Okay. This is the only sheet you use for soaking 	652
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	<pre>of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do. Q. And why do you do that? A. That was part of the procedure with the with filling out the document hare. Q. Okay. And do you know if anywhere in the source testing manual it tells you whether or not flame or no flame count as opacity? A. No. Q. Do you know if that's stated anywhere in Article 21? A. I don't recall seeing that. Q. And why is it that you do that? A. I really don't know, honestly. Q. Underneath the non-combusted emissions max</pre>	650	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. Q. Okay, and so it varies. Sometimes you will see an exceedance and you will decide that that's enough and you can stop your observation, or sometimes you will continue even with zeros? A. Connect. Q. Okay. And how do you know when to make that decision? Is that in the source testing manual? A. No, it is not. Q. Okay. Is that just something you do on your own? A. It's just random, yes. Q. Okay. This is the only sheet you use for soaking emissions observations; is that correct? 	652
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do. Q. And why do you do that? A. That was part of the procedure with the with filling out the document hare. Q. Okay. And do you know if anywhere in the source testing manual it tells you whether or not flame or no flame count as opacity? A. No. Q. Do you know if that's stated anywhere in Article 21? A. I don't recall seeing that. Q. And why is it that you do that? A. I really don't know, honestly. Q. Underneath the non-combusted emissions max opacity, there's a row that says. "Method 9 readings." 	650	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. Q. Okay, and so it varies. Sometimes you will see an exceedance and you will decide that that's enough and you can stop your observation, or sometimes you will continue even with zeros? A. Correct. Q. Okay. And how do you know when to make that decision? Is that in the source testing manual? A. No, it is not. Q. Okay. Is that just something you do on your own? A. It's just random, yes. Q. Okay. This is the only sheet you use for soaking emissions observations; is that correct? 	652
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do. Q. And why do you do that? A. That was part of the procedure with the with filling out the document have. Q. Okay. And do you know if anywhere in the source testing manual it tells you whether or not flame or no flame count as opacity? A. No. Q. Do you know if that's stated anywhere in Article 21? A. I don't recall seeing that. Q. And why is it that you do that? A. I con't mow, honestly. Q. Underneath the non-combusted emissions max opacity, there's a row that says, "Method 9 readings." Do you see that? 	650	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. Q. Okay, and so it varies. Sometimes you will see an exceedance and you will decide that that's enough and you can stop your observation, or sometimes you will continue even with zeros? A. Correct. Q. Okay. And how do you know when to make that decision? Is that in the source testing manual? A. No, it is not. Q. Okay. This is the only sheet you use for soaking emissions observations; is that correct? A. Correct. Q. And you don't record where you're standing 	652
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do. Q. And why do you do that? A. That was part of the procedure with the with filling out the document hare. Q. Okay. And do you know if anywhere in the source testing manual it tells you whether or not flame or no flame count as opacity? A. No. Q. Do you know if that's stated anywhere in Article 21? A. I don't recall seeing that. Q. And why is it that you do that? A. I really don't know, honestly. Q. Underneath the non-combusted emissions max opacity, there's a row that says, "Method 9 readings." Do you see that? A. Yes. 	650	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. Q. Okay, and so it varies. Sometimes you will see an exceedance and you will decide that that's enough and you can stop your observation, or sometimes you will continue even with zeros? A. Correct. Q. Okay. And how do you know when to make that decision? Is that in the source testing manual? A. No, it is not. Q. Okay. This is the only sheet you use for soaking emissions observations; is that correct? A. Correct. Q. And you don't record where you're standing specifically for any different soaking observation? 	652
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do. Q. And why do you do that? A. That was part of the procedure with the with filling out the document hare. Q. Okay. And do you know if anywhere in the source testing manual it tells you whether or not flame or no flame count as opacity? A. No. Q. Do you know if that's stated anywhere in Article 21? A. I don't recall seeing that. Q. And why is it that you do that? A. I really don't know, honestly. Q. Underneath the non-combusted emissions max opacity, there's a row that says, "Method 9 readings." Do you see that? A. Yes. Q. And that is EPA Method 9? 	650	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 he allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. Q. Okay, and so it varies. Sometimes you will see an exceedance and you will decide that that's enough and you can stop your observation, or sometimes you will continue even with zeros? A. Correct. Q. Okay. And how do you know when to make that decision? Is that in the source testing manual? A. No, it is not. Q. Okay. This is the only sheet you use for soaking emissions observations; is that correct? A. Correct. Q. Okay. This is that correct? A. Correct. Q. Okay. This is the only sheet you use for soaking emissions observations; is that correct? A. Correct. Q. And you don't record where you're standing specifically for any different soaking observation? A. No. 	652
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 of how they came up with everything. Q. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. Q. And if you see opacity and there's no flame, do you record it? A. I do. Q. And why do you do that? A. That was part of the procedure with the with filling out the document have. Q. Okay. And do you know if anywhere in the source testing manual it tells you whether or not flame or no flame count as opacity? A. No. Q. to you know if that's stated anywhere in Article 21? A. I don't recall seeing that. Q. And why is it that you do that? A. I really don't know, homestly. Q. Underneath the non-combusted emissions max opacity, there's a row that says, "Method 9 readings." to you see that? A. Yes. Q. And that is EPA Method 9? A. Yee. 	650	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. Q. Okay, and so it varies. Sometimes you will see an exceedance and you will decide that that's enough and you can stop your observation, or sometimes you will continue even with zeros? A. Correct. Q. Okay. And how do you know when to make that decision? Is that in the source testing manual? A. No, it is not. Q. Okay. This is the only sheet you use for soaking emissions observations; is that correct? A. Correct. Q. And you don't record where you're standing specifically for any different soaking observation? A. No. Q. You don't record the distance that you are from 	652
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 af how they came up with everything. a. When you read opacity and you see opacity during soaking and there's a flame, do you record it? A. I do. a. And if you see opacity and there's no flame, do you record it? A. I do. a. I do. a. And why do you do that? A. That was part of the procedure with the with filling out the document have. a. O kay. And do you know if anywhere in the source testing manual it tells you whether or not flame or no flame count as opacity? A. No. b. I don't recall seeing that. c. And why is it that you do that? c. And why is it that you do that? c. I con't recall seeing that. d. Underneath the non-combusted emissions max opacity, there's a row that says, "Method 9 readings." to you see that? A. Yas. c. And that is EPA Method 9? A. Yas. 	650	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 the allowable, it's technically done and over with anyways. Q. Okay. So once you see an opacity over the allowable limit, do you sometimes choose to stop your inspection? A. I can, or continue on. I mean, I don't mind watching zeros all day. I mean, it's a good condition seeing nothing coming out of the standpipe. Q. Okay, and so it varies. Sometimes you will see an exceedance and you will decide that that's enough and you can stop your observation, or sometimes you will continue even with zeros? A. Correct. Q. Okay. And how do you know when to make that decision? Is that in the source testing manual? A. No, it is not. Q. Okay. This is the only sheet you use for soaking emissions observations; is that correct? A. Correct. Q. And you don't record where you're standing specifically for any different soaking observation? A. No. Q. You don't record the distance that you are from 	652

		653			655
1	any plume, correct?		1	inspection that you did for both the push side and the	
2	A. I do not.		2	coke side?	
3	O. You don't record wind speed anywhere?		3	A. Yes.	
4	A. No.		4	Q. And so when you are doing a push-side inspection	
5	Q. You don't record a description of the sky		5	of offtakes, you are also doing half of a lid	
6	condition?		6	inspection?	
7	A. None.		7	A. Connect.	
8	Q. You don't record what the background is behind		8	${\sf Q}.~$ And when you are doing an offtake inspection for	
9	the plume?		9	the coke side, you are doing the other half of the lid	
10	A. Huh-uh (negative.)		10	inspection?	
11	Q. No?		11	A. Connect.	
12	A. Huh-uh (negative.)		12	${\sf Q}.~$ And who is it that taught you to do it that way?	
13	Q. I want to move to topside to talk about the		13	A. My previous senior inspector.	
14	inspections you do for topside. Can you look at Exhibit		14	Q. Mr. Denne?	
15	66 on page 1, please? Is this a topside inspection form		15	A. Connect.	
16	that you filled out?		16	${\sf Q}.~$ Do you know if the source testing manual has any	
17	A. yes.		17	language that says that it's proper to do one side of	
18	Q. And is this a standard form?		18	offtakes and half of a lid inspection at the same time?	
19	A. yes.		19	A. I don't remember reading that anywhere.	
20	Q. This is a form that you would have filled out on		20	Q. Okay. Do you know of any written document	
21	January 17th, 2018?		21	anywhere that says that you can do that?	
22	A. Yes.		22	A. I want to say 303 might, but I don't want to	
23	\mathbf{Q}_{\star} And a topside inspection form, this includes an		23	swear to that.	
24	inspection of both lids and offtakes?		24	${\sf Q}.$ Okay. When you are doing a lid inspection, what	
25	A. Yes.		25	is it that you're looking for?	
-					
		654			656
-		654	1	A Three leak	656
1	Q. Do you do those at the same time?	654	1	A. For a leak. O and what areas are you looking at for a lid	656
1 2 2	Q. Do you do those at the same time?A. Yes.Q. Reducturing that?	654	1 2 3	 A. For a leak. Q. And what areas are you looking at for a lid inspection? 	656
1 2 3	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. There a deble prin grater and you are looking. 	654	1 2 3 4	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. 	656
1 2 3 4	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the cole with the cole side lide and the pusher. 	654	1 2 3 4 5	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? 	656
1 2 3 4 5	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the coke side with the coke side lids and the pusher side with the coke side lids. That was accorded by 	654	1 2 3 4 5 6	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. 	656
1 2 3 4 5 6 7	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the coke side with the coke side lids and the pusher side with the pusher side lids. That was accepted by U.S. Stool a loop time are before I was even an 	654	1 2 3 4 5 6 7	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. Q. And so you're only looking for visible emissions 	656
1 2 3 4 5 6 7 8	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the coke side with the coke side lids and the pusher side with the pusher side lids. That was accepted by U.S. Steel a long time ago before I was even an inspector. 	654	1 2 3 4 5 6 7 8	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. Q. And so you're only looking for visible emissions that would come out of that circle where the lid sits? 	656
1 2 3 4 5 6 7 8 9	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the coke side with the coke side lids and the pusher side with the pusher side lids. That was accepted by U.S. Steel a long time ago before I was even an inspector. Q. And so you'd be observing lids that would be in 	654	1 2 3 4 5 6 7 8 9	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. Q. And so you're only looking for visible emissions that would come out of that circle where the lid sits? A. Correct. 	656
1 2 3 4 5 6 7 8 9	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the coke side with the coke side lids and the pusher side with the pusher side lids. That was accepted by U.S. Steel a long time ago before I was even an inspector. Q. And so you'd be observing lids that would be in the middle section of the battery and offtakes that are 	654	1 2 3 4 5 6 7 8 9	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. Q. And so you're only looking for visible emissions that would come out of that circle where the lid sits? A. Correct. Q. What about with respect to offtakes, what is it 	656
1 2 3 4 5 6 7 8 9 10	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the coke side with the coke side lids and the pusher side with the pusher side lids. That was accepted by U.S. Steel a long time ago before I was even an inspector. Q. And so you'd be observing lids that would be in the middle section of the battery and offtakes that are on both the coke side and the push side? 	654	1 2 3 4 5 6 7 8 9 10 11	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. Q. And so you're only looking for visible emissions that would come out of that circle where the lid sits? A. Correct. Q. What about with respect to offtakes, what is it that you are looking for? 	656
1 2 3 4 5 6 7 8 9 10 11 12	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the coke side with the coke side lids and the pusher side with the pusher side lids. That was accepted by U.S. Steel a long time ago before I was even an inspector. Q. And so you'd be observing lids that would be in the middle section of the battery and offtakes that are on both the coke side and the push side? A. No. 	654	1 2 3 4 5 6 7 8 9 10 11 12	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. Q. And so you're only looking for visible emissions that would come out of that circle where the lid sits? A. Correct. Q. What about with respect to offtakes, what is it that you are looking for? A. Any leaks. 	656
1 2 3 4 5 6 7 8 9 10 11 12 13	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the coke side with the coke side lids and the pusher side with the pusher side lids. That was accepted by U.S. Steel a long time ago before I was even an inspector. Q. And so you'd be observing lids that would be in the middle section of the battery and offtakes that are on both the coke side and the push side? A. No. Q. Okay, explain that to me. 	654	1 2 3 4 5 6 7 8 9 10 11 12 13	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. Q. And so you're only looking for visible emissions that would come out of that circle where the lid sits? A. Correct. Q. What about with respect to offtakes, what is it that you are looking for? A. Any leaks. Q. And where do you look on the offtakes? 	656
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the coke side with the coke side lids and the pusher side with the pusher side lids. That was accepted by U.S. Steel a long time ago before I was even an inspector. Q. And so you'd be observing lids that would be in the middle section of the battery and offtakes that are on both the coke side and the push side? A. No. Q. Okay, explain that to me. A. If I'm looking at the pusher side, I'm looking at the pusher side, I'm looking at the pusher side, I'm looking at the pusher side. 	654	1 2 3 4 5 6 7 8 9 10 11 12 13 14	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. Q. And so you're only looking for visible emissions that would come out of that circle where the lid sits? A. Correct. Q. What about with respect to offtakes, what is it that you are looking for? A. Any leaks. Q. And where do you look on the offtakes? A. There's quite a few areas. There is the base. 	656
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the coke side with the coke side lids and the pusher side with the pusher side lids. That was accepted by U.S. Steel a long time ago before I was even an inspector. Q. And so you'd be observing lids that would be in the middle section of the battery and offtakes that are on both the coke side and the push side? A. No. Q. Okay, explain that to me. A. If I'm looking at the pusher side, I'm looking at the 1 and 2 lid. If I'm looking at the coke side, I'm 	654	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. Q. And so you're only looking for visible emissions that would come out of that circle where the lid sits? A. Correct. Q. What about with respect to offtakes, what is it that you are looking for? A. Any leaks. Q. And where do you look on the offtakes? A. There's quite a few areas. There is the base. 	656
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the coke side with the coke side lids and the pusher side with the pusher side lids. That was accepted by U.S. Steel a long time ago before I was even an inspector. Q. And so you'd be observing lids that would be in the middle section of the battery and offtakes that are on both the coke side and the push side? A. No. Q. Okay, explain that to me. A. If I'm looking at the pusher side, I'm looking at the 1 and 2 lid. If I'm looking at the coke side, I'm 	654	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. Q. And so you're only looking for visible emissions that would come out of that circle where the lid sits? A. Correct. Q. What about with respect to offtakes, what is it that you are looking for? A. Any leaks. Q. And where do you look on the offtakes? A. There's quite a few areas. There is the base. There is the piping. There is the flange. There is the slip joint, goosenecks, cape, various other areas. 	656
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the coke side with the coke side lids and the pusher side with the pusher side lids. That was accepted by U.S. Steel a long time ago before I was even an inspector. Q. And so you'd be observing lids that would be in the middle section of the battery and offtakes that are on both the coke side and the push side? A. No. Q. Okay, explain that to me. A. If I'm looking at the pusher side, I'm looking at the 1 and 2 lid. If I'm looking at the coke side, I'm looking at the 3 and 4 lid from the center of the battery. 	654	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. Q. And so you're only looking for visible emissions that would come out of that circle where the lid sits? A. Correct. Q. What about with respect to offtakes, what is it that you are looking for? A. Any leaks. Q. And where do you look on the offtakes? A. There's quite a few areas. There is the base. There is the piping. There is the flange. There is the slip joint, goosenedks, cape, various other areas. 	656
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the coke side with the coke side lids and the pusher side with the pusher side lids. That was accepted by U.S. Steel a long time ago before I was even an inspector. Q. And so you'd be observing lids that would be in the middle section of the battery and offtakes that are on both the coke side and the push side? A. No. Q. Okay, explain that to me. A. If I'm looking at the pusher side, I'm looking at the 3 and 4 lid from the center of the battery. Q. Okay. And during one traverse down the entire 	654	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. Q. And so you're only looking for visible emissions that would come out of that circle where the lid sits? A. Correct. Q. What about with respect to offtakes, what is it that you are looking for? A. Any leaks. Q. And where do you look on the offtakes? There is quite a few areas. There is the base. There is the piping. There is the flange. There is the slip joint, gooseneds, caps, various other areas. U. Okay, so I have written down that for offtakes, 	656
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the coke side with the coke side lids and the pusher side with the pusher side lids. That was accepted by U.S. Steel a long time ago before I was even an inspector. Q. And so you'd be observing lids that would be in the middle section of the battery and offtakes that are on both the coke side and the push side? A. No. Q. Okay, explain that to me. A. If I'm looking at the pusher side, I'm looking at the 1 and 2 lid. If I'm looking at the coke side, I'm looking at the 3 and 4 lid from the center of the battery. Q. Okay. And during one traverse down the entire battery, do you do both the push side and the coke side 	654	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. Q. And so you're only looking for visible emissions that would come out of that circle where the lid sits? A. Correct. Q. What about with respect to offtakes, what is it that you are looking for? A. Any leaks. Q. And where do you look on the offtakes? There is the piping. There is the flange. There is the lip joint, gooseneds, cape, various other areas. That's kind of what I'm remembering right now. Q. Okay, so I have written down that for offtakes, you look at: the base, the piping, the flange, the slip 	656
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the coke side with the coke side lids and the pusher side with the pusher side lids. That was accepted by U.S. Steel a long time ago before I was even an inspector. Q. And so you'd be observing lids that would be in the middle section of the battery and offtakes that are on both the coke side and the push side? A. No. Q. Okay, explain that to me. A. If I'm looking at the pusher side, I'm looking at the 1 and 2 lid. If I'm looking at the coke side, I'm looking at the 3 and 4 lid from the center of the battery. Q. Okay. And during one traverse down the entire battery, do you do both the push side and the coke side and the coke side and the coke side and the coke side in the same time? 	654	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. Q. And so you're only looking for visible emissions that would come out of that circle where the lid sits? A. Correct. Q. What about with respect to offtakes, what is it that you are looking for? A. Any leaks. Q. And where do you look on the offtakes? A. There's quite a few areas. There is the base. There is the piping. There is the flange. There is the slip joint, goosenecks, caps, various other areas. That's kind of what I'm remembering right now. Q. Okay, so I have written down that for offtakes, you look at: the base, the piping, the flange, the slip joints, the goosenecks and the caps. Anything else that 	656
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the ooke side with the coke side lids and the pusher side with the pusher side lids. That was accepted by U.S. Steel a long time ago before I was even an inspector. Q. And so you'd be observing lids that would be in the middle section of the battery and offtakes that are on both the coke side and the push side? A. No. Q. Okay, explain that to me. A. If I'm looking at the pusher side, I'm looking at the 3 and 4 lid from the center of the battery. Q. Okay. And during one traverse down the entire battery, do you do both the push side and the coke side at the same time? A. No. 	654	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. Q. And so you're only looking for visible emissions that would come out of that circle where the lid sits? A. Correct. Q. What about with respect to offtakes, what is it that you are looking for? A. Any leaks. Q. And where do you look on the offtakes? There is the piping. There is the flange. There is the slip joint, gooseneds, caps, various other areas. Intri's kind of what I'm remembering right now. Q. Okay, so I have written down that for offtakes, you look at: the base, the piping, the flange, the slip joints, the goosenecks and the caps. Anything else that you look at for offtake inspections? 	656
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the coke side with the coke side lids and the pusher side with the pusher side lids. That was accepted by U.S. Steel a long time ago before I was even an inspector. Q. And so you'd be observing lids that would be in the middle section of the battery and offtakes that are on both the coke side and the push side? A. No. Q. Okay, explain that to me. A. If I'm looking at the pusher side, I'm looking at the 1 and 2 lid. If I'm looking at the coke side, I'm looking at the 3 and 4 lid from the center of the battery. Q. Okay. And during one traverse down the entire battery, do you do both the push side and the coke side at the same time? A. No. Q. Okay. How does that work? 	654	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. Q. And so you're only looking for visible emissions that would come out of that circle where the lid sits? A. Correct. Q. What about with respect to offtakes, what is it that you are looking for? A. Any leaks. Q. And where do you look on the offtakes? There is the piping. There is the flange. There is the lid joint, goosenecks, caps, various other areas. That's kind of what I'm remembering right now. Q. Okay, so I have written down that for offtakes, you look at: the base, the piping, the flange, the slip joints, the goosenecks and the caps. Anything else that you look at for offtake inspections? A. The piping. 	656
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the coke side with the coke side lids and the pusher side with the pusher side lids. That was accepted by U.S. Steel a long time ago before I was even an inspector. Q. And so you'd be observing lids that would be in the middle section of the battery and offtakes that are on both the coke side and the pusher side? A. No. Q. Okay, explain that to me. A. If I'm looking at the pusher side, I'm looking at the 1 and 2 lid. If I'm looking at the coke side, I'm looking at the 3 and 4 lid from the center of the battery. Q. Okay. And during one traverse down the entire battery, do you do both the push side and the coke side at the same time? A. No. Q. Okay. How does that work? A. If I'm walking from one end to the other, I'm 	654	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. Q. And so you're only looking for visible emissions that would came out of that circle where the lid sits? A. Correct. Q. What about with respect to offtakes, what is it that you are looking for? A. Insre's quite a few areas. There is the base. There is the piping. There is the flange. There is the slip joint, gooseneds, caps, various other areas. Inst's kind of what I'm remembering right now. Q. Okay, so I have written down that for offtakes, you look at: the base, the piping, the flange, the slip joints, the goosenecks and the caps. Anything else that you look at for offtake inspections? A. The piping. Q. Okay. Yeah, I had that. Anything else? 	656
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Q. Do you do those at the same time? A. Yes. Q. And why is that? A. It was a double-main system, and you are looking at the coke side with the coke side lids and the pusher side with the pusher side lids. That was accepted by U.S. Steel a long time ago before I was even an inspector. Q. And so you'd be observing lids that would be in the middle section of the battery and offtakes that are on both the coke side and the push side? A. No. Q. Okay, explain that to me. A. If I'm looking at the pusher side, I'm looking at the 3 and 4 lid from the center of the battery. Q. Okay. And during one traverse down the entire battery, do you do both the push side and the coke side at the same time? A. No. Q. Okay. How does that work? A. If I'm walking from one end to the other, I'm looking at either the coke side or the pusher side. 	654	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 A. For a leak. Q. And what areas are you looking at for a lid inspection? A. Just the lid area. Q. Just the circle where the lid sits? A. Correct. Q. And so you're only looking for visible emissions that would come out of that circle where the lid sits? A. Correct. Q. What about with respect to offtakes, what is it that you are looking for? A. Any leaks. Q. And where do you look on the offtakes? There is the piping. There is the flange. There is the sit joint, gooseneds, caps, various other areas. That's kind of what I'n membering right now. Q. Okay, so I have written down that for offtakes, you look at: the base, the piping, the flange, the slip joints, the goosenecks and the caps. Anything else that you look at for offtake inspections? A. The piping. Q. Okay. Yeah, I had that. Anything else? A. I think that was it, but I'n not sure. 	656

		657	1		659
1	appropriate places to look for an offtake inspection?		1	MR. WILLIS: Yes, sir.	
2	A. From my trainer.		2	REDIRECT EXAMINATION	
3	Q. Oh, fram Mr. Denne?		3	BY MR. WILLIS:	
4	A. Correct.		4	${\sf Q}.$ Ms. Crowley, words are very important in this	
5	Q. About 10 years ago?		5	litigation, so I want to make sure we are working with	
6	A. Connect.		6	the same words and your understanding as to what those	
7	Q_{*} . And do you know of any written document including		7	words mean.	
8	the source testing manual that says you should be		8	You mentioned earlier that you determined	
9	looking at the base, piping, slip joint, flange,		9	compliance under Chapter 109 of the source testing	
10	goosenecks, and caps on an offtake inspection?		10	manual. Is it in your job description to determine the	
11	A. I do not.		11	compliance of a facility with respect to any violations?	
12	Q. Do you know where Mr. Denne learned that?		12	A. No.	
13	A. I would not know that.		13	${\sf Q}.$ Okay. Are you just simply doing inspections or	
14	${\sf Q}.$ Okay. The D on this form that says		14	are you doing any calculations to determine whether or	
15	decarbonizing, is that for standpipe caps that are		15	not an exceedance violates Article 21?	
16	opened for decarbonizing?		16	A. No.	
17	A. Correct.		17	Q. Okay. And correct me if I'm wrong, but with	
18	${\sf Q}.$ And just like Mr. Denne taught you all of your		18	respect to opacity readings, you are not looking to see	
19	inspection procedures about 10 years ago, did you in		19	how dark a plume is; is that correct? You are looking	
20	turn teach Mr. Downard his inspection procedures?		20	to see what?	
21	A. I was one of the persons, yes.		21	A. The opacity reading.	
22	${f Q}.$ Okay. And do you expect that he does what you		22	Q. Now, opacity, is that the ability to see through	
23	taught him?		23	a plume?	
24	A. I would think.		24	A. Correct.	
25	Q. Okay. And during his training, did you watch and		25	Q. So you're not really looking to see if it's a	
		650			660
1	observe Mr. Downard to make sure he was doing	658	1	dark plume necessarily; you are trying to see what's on	660
1 2	observe Mr. Downard to make sure he was doing inspections similar to how you do them?	658	1 2	dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that?	660
1 2 3	observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes.	658	1 2 3	dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct.	660
1 2 3 4	observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make him work with you consistently	658	1 2 3 4	<pre>dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay?</pre>	660
1 2 3 4 5	observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make him work with you consistently until you were comfortable that he was doing inspections	658	1 2 3 4 5	<pre>dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Connect. Q. Okay. What is a backstay? A. say that again.</pre>	660
1 2 3 4 5 6	observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make him work with you consistently until you were comfortable that he was doing inspections just like you were doing them?	658	1 2 3 4 5 6	<pre>dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is</pre>	660
1 2 3 4 5 6 7	observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make him work with you consistently until you were comfortable that he was doing inspections just like you were doing them? A. I did them until I was told to stop doing it.	658	1 2 3 4 5 6 7	<pre>dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is that?</pre>	660
1 2 3 4 5 6 7 8	observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make him work with you consistently until you were comfortable that he was doing inspections just like you were doing them? A. I did them until I was told to stop doing it. Q. Okay. Who told you to stop training Mr. Downard?	658	1 2 3 4 5 6 7 8	<pre>dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is that? A. Buckstay.</pre>	660
1 2 3 4 5 6 7 8 9	observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make him work with you consistently until you were comfortable that he was doing inspections just like you were doing them? A. I did them until I was told to stop doing it. Q. Okay. Who told you to stop training Mr. Downard? A. He is no longer here either.	658	1 2 3 4 5 6 7 8 9	<pre>dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is that? A. Buckstay. Q. I'm sorry, buckstay.</pre>	660
1 2 3 4 5 6 7 8 9	observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make him work with you consistently until you were comfortable that he was doing inspections just like you were doing them? A. I did them until I was told to stop doing it. Q. Okay. Who told you to stop training Mr. Downard? A. He is no longer here either. Q. What's his name?	658	1 2 3 4 5 6 7 8 9	<pre>dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is that? A. Buckstay. Q. I'm sorry, buckstay. A. Okay. You have a vertical face and then you have</pre>	660
1 2 3 4 5 6 7 8 9 10 11	 observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make him work with you consistently until you were comfortable that he was doing inspections just like you were doing them? A. I did them until I was told to stop doing it. Q. Okay. Who told you to stop training Mr. Downard? A. He is no longer here either. Q. What's his name? A. Jim Thompson or Ed Peresie, one of the two. 	658	1 2 3 4 5 6 7 8 9 10 11	 dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is that? A. Buckstay. Q. I'm sorry, buckstay. A. Okay. You have a vertical face and then you have the adjacent buckstay. It's part of the door area. 	660
1 2 3 4 5 6 7 8 9 10 11 12	 observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make hum work with you consistently until you were comfortable that he was doing inspections just like you were doing them? A. I did them until I was told to stop doing it. Q. Okay. Who told you to stop training Mr. Downard? A. He is no longer here either. Q. What's his name? A. Jim Thompson or Ed Penesie, one of the two. Q. Okay. At the time you were told to stop training 	658	1 2 3 4 5 6 7 8 9 10 11 12	 dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is that? A. Buckstay. Q. I'm sorry, buckstay. A. Okay. You have a vertical face and then you have the adjacent buckstay. It's part of the door area. Q. And a lentil? 	660
1 2 3 4 5 6 7 8 9 10 11 12 13	 observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make hum work with you consistently until you were comfortable that he was doing inspections just like you were doing them? A. I did them until I was told to stop doing it. Q. Okay. Who told you to stop training Mr. Downard? A. He is no longer here either. Q. What's his name? A. Jim Thompson or Ed Peresie, one of the two. Q. Okay. At the time you were told to stop training Mr. Downard knew 	658	1 2 3 4 5 6 7 8 9 10 11 12 13	 dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is that? A. Buckstay. Q. I'm sorry, buckstay. A. Okay. You have a vertical face and then you have the adjacent buckstay. It's part of the door area. Q. And a lentil? A. Yeah, the lentils are the top, I believe, above 	660
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make hum work with you consistently until you were comfortable that he was doing inspections just like you were doing them? A. I did them until I was told to stop doing it. Q. Okay. Who told you to stop training Mr. Downard? A. He is no longer here either. Q. What's his name? A. Jim Thompson or Ed Peresie, one of the two. Q. Okay. At the time you were told to stop training Mr. Downard, were you comfortable that Mr. Downard knew how to do inspections the way you do them? 	658	1 2 3 4 5 6 7 8 9 10 11 12 13 14	 dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is that? A. Buckstay. Q. I'm sorry, buckstay. A. Okay. You have a vertical face and then you have the adjacent buckstay. It's part of the door area. Q. And a lentil? A. Yeah, the lentile are the top, I believe, above the door area before it goes up into the top of the 	660
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make hum work with you consistently until you were comfortable that he was doing inspections just like you were doing them? A. I did them until I was told to stop doing it. Q. Okay. Who told you to stop training Mr. Downard? A. He is no longer here either. Q. What's his name? A. Jim Thompson or Ed Penesie, one of the two. Q. Okay. At the time you were told to stop training Mr. Downard, knew how to do inspections the way you do them? A. I don't recall. 	658	1 2 3 4 5 6 7 8 9 10 11 12 13 14	 dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is that? A. Buckstay. Q. I'm sorry, buckstay. A. Okay. You have a vertical face and then you have the adjacent buckstay. It's part of the door area. Q. And a lentil? A. Yeah, the lentile are the top, I believe, above the door area before it goes up into the top of the battery, if I remember right. 	660
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make hum work with you consistently until you were comfortable that he was doing inspections just like you were doing them? A. I did them until I was told to stop doing it. Q. Okay. Who told you to stop training Mr. Downard? A. He is no longer here either. Q. What's his name? A. Jim Thompson or Ed Peresie, one of the two. Q. Okay. At the time you were told to stop training Mr. Downard knew how to do inspections the way you do them? A. I don't recall. Q. Okay. You aren't sure if your 	658	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is that? A. Buckstay. Q. I'm sorry, buckstay. A. Okay. You have a vertical face and then you have the adjacent buckstay. It's part of the door area. Q. And a lentil? A. Yeah, the lentils are the top, I beliave, above the door area before it goes up into the top of the battery, if I remember right. Q. Would that be considered part of the door area? 	660
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make him work with you consistently until you were comfortable that he was doing inspections just like you were doing them? A. I did them until I was told to stop doing it. Q. Okay. Who told you to stop training Mr. Downard? A. He is no longer here either. Q. What's his name? A. Jim Thompson or Ed Peresie, one of the two. Q. Okay. At the time you were told to stop training Mr. Downard, were you comfortable that Mr. Downard knew how to do inspections the way you do them? A. I don't recall. Q. Okay. You aren't sure if your A. I don't remember, honestly. 	658	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is that? A. Buckstay. Q. I'm sorry, buckstay. A. Okay. You have a vertical face and then you have the adjacent buckstay. It's part of the door area. Q. And a lentil? A. Yeah, the lentile are the top, I believe, above the door area before it goes up into the top of the battery, if I remember right. Q. Would that be considered part of the door area? A. Correct. 	660
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make hum work with you consistently until you were comfortable that he was doing inspections just like you were doing them? A. I did them until I was told to stop doing it. Q. Okay. Who told you to stop training Mr. Downard? A. He is no longer here either. Q. What's his name? A. Jim Thompson or Ed Penesie, one of the two. Q. Okay. At the time you were told to stop training Mr. Downard, were you comfortable that Mr. Downard knew how to do inspections the way you do them? A. I don't recall. Q. Okay. You aren't sure if your A. I don't remember, honestly. Q. And if you were uncomfortable with Mr. Downard's 	658	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is that? A. Buckstay. Q. I'm sorry, buckstay. A. Okay. You have a vertical face and then you have the adjacent buckstay. It's part of the door area. Q. And a lentil? A. Yeah, the lentile are the top, I believe, above the door area before it goes up into the top of the battery, if I remember right. Q. Would that be considered part of the door area? A. Correct. Q. And you mentioned some recollection as to Article 	660
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make hum work with you consistently until you were comfortable that he was doing inspections just like you were doing them? A. I did them until I was told to stop doing it. Q. Okay. Who told you to stop training Mr. Downard? A. He is no longer here either. Q. What's his name? A. Jim Thompson or Ed Peresie, one of the two. Q. Okay. At the time you were told to stop training Mr. Downard knew how to do inspections the way you do them? A. I don't recall. Q. Okay. You aren't sure if your A. I don't remember, honestly. Q. And if you were uncomfortable with Mr. Downard's level of training, would you have said that to somebody? 	658	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is that? A. Buckstay. Q. I'm sorry, buckstay. A. Okay. You have a vertical face and then you have the adjacent buckstay. It's part of the door area. Q. And a lentil? A. Yeah, the lentils are the top, I believe, above the door area before it goes up into the top of the battery, if I remember right. Q. Would that be considered part of the door area? A. Correct. Q. And you mentioned some recollection as to Article 21 and its requirements for inspection or observations 	660
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make hum work with you consistently until you were comfortable that he was doing inspections just like you were doing them? A. I did them until I was told to stop doing it. Q. Okay. Who told you to stop training Mr. Downard? A. He is no longer here either. Q. What's his name? A. Jim Thompson or Ed Peresie, one of the two. Q. Okay. At the time you were told to stop training Mr. Downard, were you comfortable that Mr. Downard knew how to do inspections the way you do them? A. I don't recall. Q. Okay. You aren't sure if your A. I don't remember, honestly. Q. And if you were uncomfortable with Mr. Downard's level of training, would you have said that to somebody? A. I would think I would. 	658	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is that? A. Buckstay. Q. I'm sorry, buckstay. A. Okay. You have a vertical face and then you have the adjacent buckstay. It's part of the door area. Q. And a lentil? A. Yeah, the lentils are the top, I believe, above the door area before it goes up into the top of the battery, if I remember right. Q. Mould that be considered part of the door area? A. Correct. Q. And you mentioned some recollection as to Article 21 and its requirements for inspection or observations around the door area? 	660
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make hum work with you consistently until you were comfortable that he was doing inspections just like you were doing them? A. I did them until I was told to stop doing it. Q. Okay. Who told you to stop training Mr. Downard? A. He is no longer here either. Q. What's his name? A. Jim Thompson or Ed Penesie, one of the two. Q. Okay. At the time you were told to stop training Mr. Downard, were you comfortable that Mr. Downard knew how to do inspections the way you do them? A. I don't recall. Q. Okay. You aren't sure if your A. I don't remember, honestly. Q. And if you were uncomfortable with Mr. Downard's level of training, would you have said that to somebody? A. I would think I would. Q. Yeah. Do you remember saying that to anybody? 	658	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is that? A. Buckstay. Q. I'm sorry, buckstay. A. Okay. You have a vertical face and then you have the adjacent buckstay. It's part of the door area. Q. And a lentil? A. Yeah, the lentile are the top, I believe, above the door area before it goes up into the top of the battery, if I remember right. Q. Mould that be considered part of the door area? A. Correct. Q. And you mentioned some recollection as to Article 21 and its requirements for inspection or observations around the door area? A. Correct. 	660
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make hum work with you consistently until you were comfortable that he was doing inspections just like you were doing them? A. I did them until I was told to stop doing it. Q. Okay. Who told you to stop training Mr. Downard? A. He is no longer here either. Q. What's his name? A. Jim Thompson or Ed Peresie, one of the two. Q. Okay. At the time you were told to stop training Mr. Downard knew how to do inspections the way you do them? A. I don't recall. Q. Okay. You aren't sure if your A. I don't remember, honestly. Q. And if you were uncomfortable with Mr. Downard's level of training, would you have said that to somebody? A. I would think I would. Q. Yeah. Do you remember saying that to anybody? 	658	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is that? A. Buckstay. Q. I'm sorry, buckstay. A. Okay. You have a vertical face and then you have the adjacent buckstay. It's part of the door area. Q. And a lentil? A. Yeeh, the lentile are the top, I believe, above the door area before it goes up into the top of the battery, if I remember right. Q. And you mentioned some recollection as to Article 21 and its requirements for inspection or observations around the door area? A. Correct. Q. I'm just going to show you this for — to refresh 	660
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make hum work with you consistently until you were comfortable that he was doing inspections just like you were doing them? A. I did them until I was told to stop doing it. Q. Okay. Who told you to stop training Mr. Downard? A. He is no longer here either. Q. What's his name? A. Juin Thompson or Ed Peresie, one of the two. Q. Okay. At the time you were told to stop training Mr. Downard knew how to do inspections the way you do them? A. I don't recall. Q. Okay. You aren't sure if your A. I don't remember, honestly. Q. And if you were uncomfortable with Mr. Downard's level of training, would you have said that to somebody? A. I would think I would. Q. Yeah. Do you remember saying that to anybody? M. DDUSCH: That's all I have. 	658	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is that? A. Buckstay. Q. I'm sorry, buckstay. A. Okay. You have a vertical face and then you have the adjacent buckstay. It's part of the door area. Q. And a lentil? A. Yeah, the lentils are the top, I believe, above the door area before it goes up into the top of the battery, if I remember right. Q. Mould that be considered part of the door area? A. Correct. Q. And you mentioned some recollection as to Article 21 and its requirements for inspection or observations around the door area? A. Correct. Q. I'm just going to show you this for — to refresh your recollection. This would be Article 21, Section 	660
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 observe Mr. Downard to make sure he was doing inspections similar to how you do them? A. Yes. Q. And did you make hum work with you consistently until you were comfortable that he was doing inspections just like you were doing them? A. I did them until I was told to stop doing it. Q. Okay. Who told you to stop training Mr. Downard? A. He is no longer here either. Q. What's his name? A. Jun Thompson or Ed Penesie, one of the two. Q. Okay. At the time you were told to stop training Mr. Downard knew how to do inspections the way you do them? A. I don't recall. Q. Okay. You aren't sure if your A. I don't recally. Q. And if you were uncomfortable with Mr. Downard's level of training, would you have said that to somebody? A. I would think I would. Q. Yeah. Do you remember saying that to anybody? M. I don't recall. MR. DAUSCH: That's all I have. HEARING OFFICER SLATER: Any redirect, Mr. 	658	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 dark plume necessarily; you are trying to see what's on the other side and measure the opacity based on that? A. Correct. Q. Okay. What is a backstay? A. Say that again. Q. A backstay, you mentioned a backstay. What is that? A. Buckstay. Q. I'm sorry, buckstay. A. Okay. You have a vertical face and then you have the adjacent buckstay. It's part of the door area. Q. And a lentil? A. Yeah, the lentile are the top, I believe, above the door area before it goes up into the top of the battery, if I remember right. Q. Mould that be considered part of the door area? A. Correct. Q. And you mentioned some recollection as to Article 21 and its requirements for inspection or observations around the door area? A. Correct. Q. I'm just going to show you this for — to refresh your recollection. This would be Article 21, Section B — 	660

	66	1		663
	HEARING OFFICER SLATER: I'm sorry, can you say		sequence which is not obstructed. The observer shall	
	what the citation for that is?	2	continue this procedure along the entire length or the	
	MR. WILLIS: 2105.21, Subsection B.	3	battery for both sides and shall record the battery	
4	HEARING OFFICER SLATER: On, okay.	4	identification, the battery side and oven door	
5	BY MR. WILLIS:	5	identification number of each door area exhibiting	
0	Q. Did you read that?	0	Visibile emissions. Before completing the traverse or	
	A. Uh-huh (affirmative.)		immediately thereafter, he shall attempt to re-observe	
8	Q. And I'm sorry, I'm going to hang over your	8	the obstructed doors. Compliance with this section	
9	shoulder for a second because I want to be able to see	9	shall be calculated by application of the following	
10	what you're looking at.	10	formula which excludes two door areas representing the	
11	Now, is this your recollection as to the	11	last oven charged from the numerator and obstructed door	
12	requirements for visible emission standards with respect	12	area from the denominator."	
13	to the door areas?	13	${f Q}.$ Okay, thank you. Do you adhere to that	
14	A. Yes.	14	section	
15	Q. Is there a limitation for door area emissions?	15	A. Yes.	
16	A. No.	16	Q. — of the source testing manual?	
17	Q. Look to B3.	17	A. Yes.	
18	A. The percentage of leaking doors?	18	${\sf Q}.$ And you mentioned that you did some test piloting	
19	Q. Yes, ma'am.	19	for U.S. Steel?	
20	A. Okay.	20	A. Yes.	
21	Q. Could you read that out loud?	21	Q. Can you explain what that means?	
22	A. For any of the following batteries at the top,	22	A. Prior to the soaking standards, I want out and I	
23	"At any time the visible emissions from more than eight	23	observed people doing that procedure.	
24	percent of the door area of the operating coke ovens in	24	Q. What procedure?	
25	such battery excluding the two-door area of the last	25	A. Dampering off ovens and to see what the soaking	
	662	2		664
1	oven charged and any door area obstructed from view."	1	was or was not, to try to come up with a procedure. And	
2	Q. Thank you. And with respect to Exhibit 22, if	2	I wasn't coming up with the proceedure, U.S. Steel was.	
3	you could go back to Chapter 109, it's in Volume 1.	3	I was just collecting information.	
4	A. Okay.	4	Q. This is with your time with Veolia?	
5	Q. If you could look to Section C?	5	A. Connect.	
6	A. Okay.	6	Q. So you were doing this for Veolia who was doing	
7	Q. And do you see the first standalone paragraph	7	this for U.S. Steel?	
8	under section C that says "doors"?	8	A. Convect.	
9	A, Yes.	9	Q. Okay, You mentioned the soaking process taking	
10	Q. And that paragraph begins with the words,	10	about three minutes; is that correct?	
11	"Observation of door area emissions"	11	A. That's what I was told when they started this	
12	A. Yes.	12	procedure, and it would vary. But ouite a few years	
13	0. Could you read that second sentence, please?	13	ago, that was pretty much how long it took. It took	
14	A. "Each door area shall be observed and servery	14	roughly about three minutes from the time they demonst	
15	for only that period perseasy to determine whether on	15	it off the two-minute exemption until the time ther	
16	not at the time there is visible emissions from not	16	nuched. It was markly short that	
17	which of the door area while " and it mating a	17	To that still the case?	
19	O could you need the continued portion?	10		
10	Δ . The share of the second for the side of	10	O What is the difference row?	
20	the battery. If the observer's view of a down area is	20	A. A lot of times, it is a lot longer.	

21 more than momentarily obstructed as, for example, by

door machinery, pushing machinery, coke guide, Luthertruck or opaque steem plumes, he shall record the door

area obstructed and the nature of the obstruction and

continue on the observations with the next door area in

24

25

21 Q. And you mentioned variability. The terms of

22 variability, are we talking hours or minutes?

23 A. It could be hours and it could be minutes.

24 Q. Okay. But that's based on their activity, not

25 with respect to your inspection?

		665			667
1	A. Not me, it's their activity.		1	inspection forms and tell whether or not you did that?	
2	${\bf Q}.$ Okay. Have you heard in the past 10 years, while		2	A. Yes.	
3	you were at the Allegheny County Health Department, have		3	${\tt Q}.~$ The U tube on the C Battery, are you familiar	
4	you heard of any complaints from U.S. Steel with respect		4	with that?	
5	to your particular inspections?		5	A. I know the term, yes.	
6	A. None that I'm aware of, no.		6	${\sf Q}.$ Okay. Are you familiar with the actual U tube?	
7	${\bf Q}.~$ Has anybody challenged your inspections from U.S.		7	A. Yes.	
8	Steel?		8	${\sf Q}.$ When you do a charging inspection, do you read	
9	A. None that I know of, no.		9	emissions from the U tube?	
10	${\sf Q}.$ And in the 10 years prior to that when you were	1	10	A. Yes.	
11	with Veolia, did you hear of any discrepancies with	:	11	Q. And why is it that you do that?	
12	respect to your inspections?	:	12	A. It's a point of emissions coming off of the	
13	A. None that I'm aware of.	1	13	charging.	
14	${\sf Q}.$ Did any complaints come your way with respect to	1	14	Q. Okay. And where go ahead.	
15	any inspections?	:	15	A. That's the assist oven.	
16	A. No.		16	MR. DAUSCH: That's all I have.	
17	${\bf Q}.~$ And you mentioned there was a period of time in		17	HEARING OFFICER SLATER: Any further questions,	
18	which you were escorted by U.S. Steel employees and you	-	18	Mr. Willis?	
19	indicate certain emissions that you saw with respect to	:	19	MR. WILLIS: Yes.	
20	the door areas?	2	20	REDIRECT EXAMINATION	
21	A. Yes.	2	21	BY MR. WILLIS:	
22	${\bf Q}.~$ Did they — was there any dispute with respect to	2	22	${\sf Q}.$ To your understanding, is the source testing	
23	your observations at the time that you presented them to	2	23	manual a regulation?	
24	U.S. Steel?	2	24	A. It is not.	
25	A. None that I'm aware of, no.	2	25	Q. To your understanding, Article 21 is a	
		666	1		668
1	MR. WILLIS: I have no further questions.		т 2		
2	HEARING OFFICER SLATER: Any recross, Mr. Dausch?		2	A. It is.	
3	MR. DAUSCH: Yes.		2	Q. And to your understanding, is Artegrieny country	
4	RECROSS-EXAMINATION		4	bound to adhere to the source testing mandar of to the	
5	BY MR. DAUSCH:		5	A The the more lation	
6	Q. Is it fair to say you don't always record the sun		0	A. To the regulation.	
7	position on your forms when you are doing an opacity		9	testing manual and Article 21, which would you defer to?	
8	reading, correct?		0	A article 21	
9	A. Correct.		9	M. ALLIEZI.	
10	Q. Are you familiar with the U tube on the C	-	11	URADING OFFICER SLATER. Mr. Dausch, did vou have	
	Battery?		12	nerking officer series, re. backer, and you have	
12	A. I am, But can I back up to that sun position not	-	13	MR DAUSCH. I think just maybe one more	
13	being recorded?		14	mustion	
14	Q. Correct, yean.		15	RECROSS-EXAMINATION	
15	A. I do write "sun" and "no sun." when I write		16	RECEDE BETERLE	
10	"sun," I make a little picture with an arrow pointing		17	• You mentioned in your testimony in response to	
	away irom that sun, meaning it is representative or the		18	Mr Willis's question that your job description doesn't	
10	sun is bening me when i'm coing my readings. That's		19	include determining compliance. Do you recall that	
19	what that little indication on that picture, on that		20	tectimony?	
20	Q and do you do that or all the eracity madings		21	A. I do inspections, ves. Is that what vou'ze	
21	Q. And do you do that on all the opacity readings		22	asking?	
22	A Thelian T do that for all memory and T		23	O. Did you testify that your job description doesn't	
23	n. I believe I do una tut all my permity and I		2.4	include determining compliance?	
24	O led up to the ship to look at any of your		25	A. I'm going to say ves, but I dan't know 100	
05					

		669			671
1	percent if I can answer that.		1	A. Yes.	
2	Q. Do you have a written job description somewhere?		2	${\sf Q}.$ Okay. Is that a representation of the	
3	A. Ido.		3	inspections for the quarter of the for the third	
4	Q_{\ast} Okay. And you're not sure what it says?		4	quarter of 2017, the fourth quarter of 2017, and the	
5	A. I can't recall at this second right now.		5	first quarter of 2018?	
6	MR. DAUSCH: Okay, that's all I have.		6	A. Yes.	
7	HEARING OFFICER SLATER: Anything further?		7	MR. WILLIS: Okay, thank you very much.	
8	MR. WILLIS: Nothing further.		8	HEARING OFFICER SLATER: Anything else?	
9	HEARING OFFICER SLATER: Ms. Crowley, you may		9	MR. DAUSCH: No objection to that exhibit.	
10	step down.		10	HEARING OFFICER SLATER: All right. I want to	
11	MS. CROWLEY: Did you still want me to read		11	note for the record again that Exhibit ACHD 25 is	
12	through these?		12	admitted.	
13	MR. WILLIS: Oh, yes, yeah. I know we have a		13	MR. WILLIS: Can we go off the record for one	
14	little time right here before lunch. I don't want to		14	minute?	
15	just jump into the next witness before lunch, and she		15	HEARING OFFICER SLATER: Yes, let's go off the	
16	has not finished her review.		16	record,	
17	Could we take that time just to have her finish		17	(An off-the-record discussion was held.)	
18	her review, indicate that what's there is basically the		18	HEARING OFFICER SLATER: Let's go back on the	
19	inspection reports that she		19	record then.	
20	MR. DAUSCH: And your next witness is?		20	MR. WILLIS: Okay. The County would call Brian	
21	MR. WILLIS: That's going to be Keramida, Brian		21	Marrington to testify, please.	
22	Harrington.		22	BRIAN HARRINGTON, called as a witness, being duly	
23	MR. DAUSCH: So do you want to do our hour lunch		23	sworn by the court reporter, testified as follows:	
24	now and just come a little bit earlier? That way, Ms.		24	DIRECT EXAMINATION	
25	Crowley can finish her review.		25	BY MR. WILLIS:	
1	HEARING OFFICER SLATER: That's fine with me.	670	1	Q. Good morning or good afternoon, Mr.	672
1 2	HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a	670	1 2	Q. Good morning or good afternoon, Mr. Harrington. How are you doing?	672
1 2 3	HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a witness.	670	1 2 3	Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you?	672
1 2 3 4	HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay.	670	1 2 3 4	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for 	672
1 2 3 4 5	HEARING OFFICER SLATER: That's fine with me. MR. DADSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DADSCH: Does that work?	670	1 2 3 4 5	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? 	672
1 2 3 4 5 6	HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DAUSCH: Does that work? MR. WILLIS: That works.	670	1 2 3 4 5 6	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. 	672
1 2 3 4 5 6 7	HEARING OFFICER SLATER: That's fine with me. MR. DADSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DADSCH: Does that work? MR. WILLIS: That works. HEARING OFFICER SLATER: So let's take lunch and	670	1 2 3 4 5 6 7	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. Q. Could you tell me what your current occupation 	672
1 2 3 4 5 6 7 8	HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DAUSCH: Does that work? MR. WILLIS: That works. HEARING OFFICER SLATER: So let's take lunch and come back at about 12:40.	670	1 2 3 4 5 6 7 8	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. Q. Could you tell me what your current occupation is? 	672
1 2 3 4 5 6 7 8 9	HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DAUSCH: Does that work? MR. WILLIS: That works. HEARING OFFICER SLATER: So let's take lunch and come back at about 12:40. MR. WILLIS: Okay.	670	1 2 3 4 5 6 7 8 9	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. Q. Could you tell me what your current occupation is? A. I'm the Vice President at Keramida, the Program 	672
1 2 3 4 5 6 7 8 9	HEARING OFFICER SLATER: That's fine with me. MR. DADSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DADSCH: Does that work? MR. WILLIS: That works. HEARING OFFICER SLATER: So let's take lunch and come back at about 12:40. MR. WILLIS: Okay. (The hearing recessed at 11:38 a.m. and	670	1 2 3 4 5 6 7 8 9 10	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. Q. Could you tell me what your current occupation is? A. I'm the Vice President at Keramida, the Program. 	672
1 2 3 4 5 6 7 8 9 10 11	HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DAUSCH: Does that work? MR. WILLIS: That works. HEARING OFFICER SLATER: So let's take lunch and come back at about 12:40. MR. WILLIS: Okay. (The hearing recessed at 11:38 a.m. and reconvened at 12:43 p.m.)	670	1 2 3 4 5 6 7 8 9 10 11	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. Q. Could you tell me what your current occupation is? A. I'm the Vice President at Keramida, the Program Manager for the 303 Program. Q. I'm sorry, could you repeat that? 	672
1 2 3 4 5 6 7 8 9 10 11 12	HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DAUSCH: Does that work? MR. WILLIS: That works. HEARING OFFICER SLATER: So let's take lunch and come back at about 12:40. MR. WILLIS: Okay. (The hearing recessed at 11:38 a.m. and reconvened at 12:43 p.m.) HEARING OFFICER SLATER: Mr. Willis, did you need	670	1 2 3 4 5 6 7 8 9 10 11 12	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. Q. Could you tell me what your current occupation is? A. I'm the Vice President at Keramida, the Program Manager for the 303 Program. Q. I'm sorry, could you repeat that? A. Program Manager for the 303 Program. 	672
1 2 3 4 5 6 7 8 9 10 11 12 13	HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DAUSCH: Does that work? MR. WILLIS: That works. HEARING OFFICER SLATER: So let's take lunch and come back at about 12:40. MR. WILLIS: Okay. (The hearing recessed at 11:38 a.m. and reconvened at 12:43 p.m.) HEARING OFFICER SLATER: Mr. Willis, did you need to call Ms. Crowley back up?	670	1 2 3 4 5 6 7 8 9 10 11 12 13	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. Q. Could you tell me what your current occupation is? A. I'm the Vice President at Keramida, the Program. Manager for the 303 Program. Q. I'm sorry, could you repeat that? A. Program Manager for the 303 Program. Q. I want to get a little bit of background 	672
1 2 3 4 5 6 7 8 9 10 11 12 13 14	HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DAUSCH: Does that work? MR. WILLIS: That works. HEARING OFFICER SLATER: So let's take lunch and come back at about 12:40. MR. WILLIS: Okay. (The hearing recessed at 11:38 a.m. and reconvened at 12:43 p.m.) HEARING OFFICER SLATER: Mr. Willis, did you need to call Ms. Crowley back up? MR. WILLIS: Yes, just for a moment.	670	1 2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. Q. Could you tell me what your current occupation is? A. I'm the Vice President at Keramida, the Program Manager for the 303 Program. Q. I'm sorry, could you repeat that? A. Program Manager for the 303 Program. Q. I want to get a little bit of background information from you, if you don't mind. 	672
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DAUSCH: Does that work? MR. WILLIS: That works. HEARING OFFICER SLATER: So let's take lunch and come back at about 12:40. MR. WILLIS: Okay. (The hearing recessed at 11:38 a.m. and reconvened at 12:43 p.m.) HEARING OFFICER SLATER: Mr. Willis, did you need to call Ms. Crowley back up? MR. WILLIS: Yes, just for a moment. HEARING OFFICER SLATER: Okay.	670	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. Q. Could you tell me what your current occupation is? A. I'm the Vice President at Keramida, the Program Manager for the 303 Program. Q. I'm sorry, could you repeat that? A. Program Manager for the 303 Program. Q. I want to get a little bit of background information from you, if you don't mind. Where do you live currently? 	672
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DAUSCH: Does that work? MR. WILLIS: That works. HEARING OFFICER SLATER: So let's take lunch and come back at about 12:40. MR. WILLIS: Okay. (The hearing recessed at 11:38 a.m. and reconvened at 12:43 p.m.) HEARING OFFICER SLATER: Mr. Willis, did you need to call Ms. Crowley back up? MR. WILLIS: Yes, just for a moment. HEARING OFFICER SLATER: Okay. ANGELA CROWLEY, recalled as a witness, being	670	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. Q. Could you tell me what your current occupation is? A. I'm the Vice President at Keramida, the Program. Manager for the 303 Program. Q. I'm sorry, could you repeat that? A. Program Manager for the 303 Program. Q. I want to get a little bit of background information from you, if you don't mind. Where do you live currently? A. Indianapolis. 	672
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DAUSCH: Does that work? MR. WILLIS: That works. HEARING OFFICER SLATER: So let's take lunch and come back at about 12:40. MR. WILLIS: Okay. (The hearing recessed at 11:38 a.m. and reconvened at 12:43 p.m.) HEARING OFFICER SLATER: Mr. Willis, did you need to call Ms. Crowley back up? MR. WILLIS: Yes, just for a moment. HEARING OFFICER SLATER: Okay. <u>ANGELA CROWLEY</u> , recalled as a witness, being previously sworn, testified as follows:	670	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. Q. Could you tell me what your current occupation is? A. I'm the Vice President at Keramida, the Program Manager for the 303 Program. Q. I'm sorry, could you repeat that? A. Program Manager for the 303 Program. Q. I want to get a little bit of background information from you, if you don't mind. Where do you live currently? A. Indianapolis. Q. Indiana? 	672
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DAUSCH: Does that work? MR. DAUSCH: Does that work? MR. WILLIS: That works. HEARING OFFICER SLATER: So let's take lunch and come back at about 12:40. MR. WILLIS: Okay. (The hearing recessed at 11:38 a.m. and reconvened at 12:43 p.m.) HEARING OFFICER SLATER: Mr. Willis, did you need to call Ms. Crowley back up? MR. WILLIS: Yes, just for a moment. HEARING OFFICER SLATER: Okay. <u>ANGELA CROWLEY</u> , recalled as a witness, being previously sworn, testified as follows: <u>REDIRECT EXAMINATION (continued)</u>	670	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. Q. Could you tell me what your current occupation is? A. I'm the Vice President at Keramida, the Program Manager for the 303 Program. Q. I'm sorry, could you repeat that? A. Program Manager for the 303 Program. Q. I want to get a little bit of background information from you, if you don't mind. Where do you live currently? A. Irdianapolis. Q. Indiana? A. Yeah. 	672
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DAUSCH: Does that work? MR. WILLIS: That works. HEARING OFFICER SLATER: So let's take lunch and come back at about 12:40. MR. WILLIS: Okay. (The hearing recessed at 11:38 a.m. and reconvened at 12:43 p.m.) HEARING OFFICER SLATER: Mr. Willis, did you need to call Ms. Crowley back up? MR. WILLIS: Yes, just for a moment. HEARING OFFICER SLATER: Okay. ANGELA CROWLEY, recalled as a witness, being previously sworn, testified as follows: <u>REDIRECT EXAMINATION (continued)</u> BY MR. WILLIS:	670	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. Q. Could you tell me what your current occupation is? A. I'm the Vice President at Keramida, the Program. Manager for the 303 Program. Q. I'm sorry, could you repeat that? A. Program Manager for the 303 Program. Q. I want to get a little bit of background information from you, if you don't mind. Where do you live currently? A. Indiana? A. Yeah. Q. Is that where your company is located? 	672
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DAUSCH: Does that work? MR. WILLIS: That works. HEARING OFFICER SLATER: So let's take lunch and come back at about 12:40. MR. WILLIS: Okay. (The hearing recessed at 11:38 a.m. and reconvened at 12:43 p.m.) HEARING OFFICER SLATER: Mr. Willis, did you need to call Ms. Crowley back up? MR. WILLIS: Yes, just for a moment. HEARING OFFICER SLATER: Okay. ANGELA CROWLEY, recalled as a witness, being previously sworn, testified as follows: <u>REDIRECT EXAMINATION (continued)</u> EY MR. WILLIS: Q . Okay, Ms. Crowley, you've had ample opportunity	670	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. Q. Could you tell me what your current occupation is? A. I'm the Vice President at Keramida, the Program Manager for the 303 Program. Q. I'm sorry, could you repeat that? A. Program Manager for the 303 Program. Q. I want to get a little bit of background information from you, if you don't mind. Where do you live currently? A. Indiana? A. Yeah. Q. Is that where your company is located? A. Our headquarters are there, yes. 	672
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	<pre>HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DAUSCH: Does that work? MR. DAUSCH: Does that work? MR. WILLIS: That works. HEARING OFFICER SLATER: So let's take lunch and come back at about 12:40. MR. WILLIS: Okay. (The hearing recessed at 11:38 a.m. and reconvened at 12:43 p.m.) HEARING OFFICER SLATER: Mr. Willis, did you need to call Ms. Crowley back up? MR. WILLIS: Yes, just for a moment. HEARING OFFICER SLATER: Okay. ANGELA CROWLEY, recalled as a witness, being previously sworn, testified as follows: <u>REDIRECT EXAMINATION (continued)</u> BY MR. WILLIS: Q. Okay, Ms. Crowley, you've had ample opportunity to review what we've described as Exhibit 25, haven't</pre>	670	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. Q. Could you tell me what your current occupation is? A. T'm the Vice President at Keramida, the Program Manager for the 303 Program. Q. I'm sorry, could you repeat that? A. Program Manager for the 303 Program. Q. I want to get a little bit of background information from you, if you don't mind. Where do you live currently? A. Indiana? A. Yeah. Q. Is that where your company is located? A. Our headparters are there, yes. Q. Did you go to high school? 	672
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	<pre>HEARING OFFICER SLATER: That's fine with me. MR. DADSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DADSCH: Does that work? MR. WILLIS: That works. HEARING OFFICER SLATER: So let's take lunch and come back at about 12:40. MR. WILLIS: Okay. (The hearing recessed at 11:38 a.m. and reconvened at 12:43 p.m.) HEARING OFFICER SLATER: Mr. Willis, did you need to call Ms. Crowley back up? MR. WILLIS: Yes, just for a moment. HEARING OFFICER SLATER: Okay. ANGELA CROWLEY, recalled as a witness, being previously sworn, testified as follows: <u>REDIRECT EXAMINATION (continued)</u> EY MR. WILLIS: Q. Okay, Ms. Crowley, you've had ample opportunity to review what we've described as Exhibit 25, haven't you?</pre>	670	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. Q. Could you tell me what your current occupation is? A. I'm the Vice President at Keramida, the Program Manager for the 303 Program. Q. I'm sorry, could you repeat that? A. Program Manager for the 303 Program. Q. I want to get a little bit of background information from you, if you don't mind. Where do you live currently? A. Indiana? A. Yeah. Q. Is that where your company is located? A. Our headquarters are there, yes. Q. Did you go to high school? A. I want to high school, yes. 	672
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DAUSCH: Does that work? MR. WILLIS: That works. HEARING OFFICER SLATER: So let's take lunch and come back at about 12:40. MR. WILLIS: Okay. (The hearing recessed at 11:38 a.m. and reconvened at 12:43 p.m.) HEARING OFFICER SLATER: Mr. Willis, did you need to call Ms. Crowley back up? MR. WILLIS: Yes, just for a moment. HEARING OFFICER SLATER: Okay. ANGELA CROWLEY, recalled as a witness, being previously sworn, testified as follows: <u>REDIRECT EXAMINATION (continued)</u> EY MR. WILLIS: Q. Okay, Ms. Crowley, you've had ample opportunity to review what we've described as Exhibit 25, haven't you? A. Yes. 	670	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. Q. Could you tell me what your current occupation is? A. T'm the Vice President at Keramida, the Program Manager for the 303 Program. Q. I'm sorry, could you repeat that? A. Program Manager for the 303 Program. Q. I want to get a little bit of background information from you, if you don't mind. Where do you live currently? A. Indiana? A. Yeah. Q. Is that where your company is located? A. Our headquarters are there, yes. Q. Did you go to high school? A. I went to high school, yes. Q. Did you graduate? 	672
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 HEARING OFFICER SLATER: That's fine with me. MR. DAUSCH: Instead of doing 20 minutes of a witness. MR. WILLIS: Okay. MR. DAUSCH: Does that work? MR. UAUSCH: Does that work? MR. WILLIS: That works. HEARING OFFICER SLATER: So let's take lunch and come back at about 12:40. MR. WILLIS: Okay. (The hearing recessed at 11:38 a.m. and reconvened at 12:43 p.m.) HEARING OFFICER SLATER: Mr. Willis, did you need to call Ms. Crowley back up? MR. WILLIS: Yes, just for a moment. HEARING OFFICER SLATER: Okay. ANGELA CROWLEY, recalled as a witness, being previously sworn, testified as follows: REDIRECT EXAMINATION (continued) BY MR. WILLIS: BY MR. WILLIS: Q. Okay, Ms. Crowley, you've had ample opportunity to review what we've described as Exhibit 25, haven't you? A. Yes. Q. And you managed to look at basically every sheet 	670	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Q. Good morning or good afternoon, Mr. Harrington. How are you doing? A. Good. How about you? Q. Pretty good. Could you spell your last name for the record, please? A. H-A-R-R-I-N-G-T-O-N. Q. Could you tell me what your current occupation is? A. I'm the Vice President at Keramida, the Program Manager for the 303 Program. Q. I'm sorry, could you repeat that? A. Program Manager for the 303 Program. Q. I want to get a little bit of background information from you, if you don't mind. Where do you live currently? A. Indianapolis. Q. Is that where your company is located? A. Our headquarters are there, yes. Q. Did you graduate? A. Yes. 	672

1			
		673	675
	A. Decatur Central High School.		1 Keramida, what is the object of that contractual
	Q. Where is that located?		2 arrangement? What is your job duty with respect to that
3	A. Indianapolis.		3 contract?
4	Q. Did you do any formal education after that?		4 A. conduct 303 inspections at the Clairton Works
5	A. Yean.		5 facility for the 10 batteries for a period of five
0	Q. Where did you go?		6 years.
	A. Indiana State University.		7 Q. Five years beginning when?
8	Q. What did you major in?		8 A. We started November 1st of '16, but we had a few
9	A. Environmental science.		9 days before that that we started early. So the contract
10	Q. Did you graduate with that?	1	U is, let's say, October of 28th, I think, of '16.
11	A. Yes.	1	1 Q. Okay. Had you had any sort of contract for
12	Q. Any formal education after that?	1	2 Method 303 observations prior to the contract with the
13	A. Just no formal education besides training	1	3 county?
14	sessions here and there for whatever services we were	1	4 A. Yes, yep.
15	offering, whether it would be the 303 Program or Method	1	5 Q. Could you tell me who you had those contracts
16	9.	1	6 with?
17	Q. I see. Are you certified as a Method 9	1	7 A. We had in '95, which is the reason I got trained
18	inspector?	1	8 initially, we had a contract that we were pursuing for
19	A. Not currently.	1	9 Indianapolis at the Citizens Gas and Coke Utility. So
20	Q. Have you ever been?	2	0 we were the contractor for the City of Indianapolis.
21	A. I have.	2	1 And then when the State of Indiana took over the
22	Q. When was the last time you were certified?	2:	2 program, they took that site over from the City of
23	A. This is purely a guess, but about 15 years ago.	2	3 Indianapolis, and there are two facilities up north
24	Q. Okay. How long were you certified?	2.	4 which used to be the coke plants of U.S. Steel Gary
25	A. About five.	2	5 Works and then Arcelor/Vittal Steel up in Burns Harbor,
1	Q. With respect to 303, are you currently certified A. I am.	674 d?	 Indiana. Q. So Keramida has extensive
1 2 3	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? 	674 12	676 Indiana. 2 Q. So Keramida has extensive 3 A. I have one to add, sorry.
1 2 3 4	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. 	674 d?	 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry.
1 2 3 4 5	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okav. And in your current role with Keramida. 	674 1?	 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there
1 2 3 4 5 6	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? 	674 12	 676 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year.
1 2 3 4 5 6 7	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? 	674 12	 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well?
1 2 3 4 5 6 7 8	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? Q. For the company generally and then I will ask your 	674 12	 676 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well? A. Yes.
1 2 3 4 5 6 7 8 9	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? Q. For the company generally and then I will ask yow with respect to this. 	674 12	 676 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well? A. Yes. Q. So you've done inspections for three coke
1 2 3 4 5 6 7 8 9	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? Q. For the company generally and then I will ask you with respect to this. A. Okay. So I'm the vice president of the land 	674 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	 676 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well? A. Yes. Q. So you've done inspections for three coke facilities prior to Clairton Works?
1 2 3 4 5 6 7 8 9 10	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? Q. For the company generally and then I will ask you with respect to this. A. Okay. So I'm the vice president of the land services division which focuses on due diligence. 	674 12	 676 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well? A. Yes. Q. So you've done inspections for three coke facilities prior to Clairton Works? A. Yes. And then after Clairton Works I
1 2 3 4 5 6 7 8 9 10 11	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? Q. For the company generally and then I will ask yow with respect to this. A. Okay. So I'm the vice president of the land services division which focuses on the diligence, investigation, remediation, any kind of asbestos/leed 	674 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	 676 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well? A. Yes. Q. So you've done inspections for three coke facilities prior to Clairton Works? A. Yes. And then after Clairton Works I apolorize. I failed to mention we got a contract with
1 2 3 4 5 6 7 8 9 10 11 12 13	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? Q. For the company generally and then I will ask you with respect to this. A. Okay. So I'm the vice president of the land services division which focuses on the diligence, investigation, remediation, any kind of asbestos/lead issues. That's a good summary. But I'm more or less 	674 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	 676 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well? A. Yes. Q. So you've done inspections for three coke facilities prior to Clairton Works? A. Yes. And then after Clairton Works I apologize, I failed to mention we got a contract with the State of Permsylvania for Moressen which was. I
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? Q. For the company generally and then I will ask you with respect to this. A. Okay. So I'm the vice president of the land services division which focuses on the diligence, investigation, remediation, any kind of asbestos/lead issues. That's a good summary. But I'm more or less the operations of the orange. 	674 12 2 2 4 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	 676 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well? A. Yes. Q. So you've done inspections for three coke facilities prior to Clairton Works? A. Yes. And then after Clairton Works I apologize, I failed to mention we got a contract with the State of Pennsylvania for Moressen which was, I think. May of this year it started.
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? Q. For the company generally and then I will ask you with respect to this. A. Okay. So I'm the vice president of the land services division which focuses on due diligence, investigation, remediation, any kind of asbestos/lead issues. That's a good summary. But I'm more or less the operations of the group. Q. Okay. And with respect to your contract with the service of the group. 	674 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	 676 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well? A. Yes. Q. So you've done inspections for three coke facilities prior to Clairton Works? A. Yes. And then after Clairton Works I apologize, I failed to mention we got a contract with the State of Pennsylvania for Monessen which was, I think, May of this year it started. Q. Now, the Monessen facility, is that the
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? Q. For the company generally and then I will ask you with respect to this. A. Okay. So I'm the vice president of the land services division which focuses on due diligence, investigation, remediation, any kind of asbestos/lead issues. That's a good summary. But I'm more or less the operations of the group. Q. Okay. And with respect to your contract with the county, what is your role? 	674 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	 676 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well? A. Yes. Q. So you've done inspections for three coke facilities prior to Clairton Works? A. Yes. And then after Clairton Works I apologize, I failed to mention we got a contract with the State of Pennsylvania for Moressen which was, I think, May of this year it started. Q. Now, the Monessen facility, is that the
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? Q. For the company generally and then I will ask you with respect to this. A. Okay. So I'm the vice president of the land services division which focuses on the diligence, investigation, remediation, any kind of asbestos/lead issues. That's a good summary. But I'm more or less the operations of the group. Q. Okay. And with respect to your contract with the county, what is your role? A. I am the unincipal Program Manager. 	674 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well? A. Yes. Q. So you've done inspections for three coke facilities prior to Clairton Works? A. Yes. And then after Clairton Works I apologize, I failed to mention we got a contract with the State of Pennsylvania for Monessen which was, I think, May of this year it started. Q. Now, the Monessen facility, is that the ArcelorMittal? A. Yes.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? Q. For the company generally and then I will ask you with respect to this. A. Okay. So I'm the vice president of the land services division which focuses on the diligence, investigation, remediation, any kind of asbestos/lead issues. That's a good summary. But I'm more or less the operations of the group. Q. Okay. And with respect to your contract with the county, what is your role? A. I am the principal Program Manager. Q. Okay. Are you the principal point of contact 	674 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well? A. Yes. Q. So you've done inspections for three coke facilities prior to Clairton Works? A. Yes. And then after Clairton Works - I apologize, I failed to mention - we got a contract with the State of Pennsylvania for Moressen which was, I think, May of this year it started. Q. Now, the Monessen facility, is that the ArcelorMittal? A. Yes. Q. I see, You have employees who are Method 303
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? Q. For the company generally and then I will ask you with respect to this. A. Okay. So I'm the vice president of the land services division which focuses on due diligence, investigation, remediation, any kind of asbestos/lead issues. That's a good summary. But I'm more or less the operations of the group. Q. Okay. And with respect to your contract with the county, what is your role? A. I am the principal Program Manager. Q. Okay. Are you the principal point of contact with Keramida and the county? 	674 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well? A. Yes. Q. So you've done inspections for three coke facilities prior to Clairton Works? A. Yes. And then after Clairton Works I apologize, I failed to mention we got a contract with the State of Pennsylvania for Moressen which was, I think, May of this year it started. Q. Now, the Monessen facility, is that the ArcelorMittal? A. Yes. Q. I see. You have employees who are Method 303 inspectors; is that correct?
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? Q. For the company generally and then I will ask you with respect to this. A. Okay. So I'm the vice president of the land services division which focuses on the diligence, investigation, remediation, any kind of asbestos/lead issues. That's a good summary. But I'm more or less the operations of the group. Q. Okay. And with respect to your contract with the county, what is your role? A. I am the principal Program Manager. Q. Okay. Are you the principal point of contact with Keramida and the county? A. From a contractual standpoint. probably, yes 	674 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well? A. Yes. Q. So you've done inspections for three coke facilities prior to Clairton Works? A. Yes. And then after Clairton Works I apologize, I failed to mention we got a contract with the State of Pennsylvania for Moressen which was, I think, May of this year it started. Q. Now, the Monessen facility, is that the ArcelorMittal? A. Yes. Q. I see. You have employees who are Method 303 inspectors; is that correct? A. That's correct.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? Q. For the company generally and then I will ask you with respect to this. A. Okay. So I'm the vice president of the land services division which focuses on the diligence, investigation, remediation, any kind of asbestos/lead issues. That's a good summary. But I'm more or less the operations of the group. Q. Okay. And with respect to your contract with the county, what is your role? A. I am the principal Program Manager. Q. Okay. Are you the principal point of contact with Keramida and the county? A. From a contractual standpoint, probably, yes. 	674 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2	 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well? A. Yes. Q. So you've done inspections for three coke facilities prior to Clairton Works? A. Yes. And then after Clairton Works I apologize, I failed to mention we got a contract with the State of Pennsylvania for Moressen which was, I think, May of this year it started. Q. Now, the Monessen facility, is that the ArcelorMittal? A. Yes. Q. I see. You have employees who are Method 303 inspectors; is that correct? A. That's correct. Q. And they do the inspections at Clairton Coke
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? Q. For the company generally or for this project? Q. For the company generally and then I will ask you with respect to this. A. Okay. So I'm the vice president of the land services division which focuses on due diligence, investigation, remediation, any kind of asbestos/lead issues. That's a good summary. But I'm more or less the operations of the group. Q. Okay. And with respect to your contract with the county, what is your role? A. I am the principal Program Manager. Q. Okay. Are you the principal point of contact with Keramida and the county? A. From a contractual standpoint, probably, yes. But from a day-to-day operation, my project manager below me is. 	674 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	 Indiana. Q. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well? A. Yes. Q. So you've done inspections for three coke facilities prior to Clairton Works? A. Yes. And then after Clairton Works I apologize, I failed to mention we got a contract with the State of Pennsylvania for Monessen which was, I think, May of this year it started. Q. Now, the Monessen facility, is that the A. Yes. Q. I see. You have employees who are Method 303 inspectors; is that correct? A. That's correct. Q. And they do the inspections at Clairton Coke
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? Q. For the company generally or for this project? Q. For the company generally and then I will ask you with respect to this. A. Okay. So I'm the vice president of the land services division which focuses on due diligence, investigation, remediation, any kind of asbestos/lead issues. That's a good summary. But I'm more or less the operations of the group. Q. Okay. And with respect to your contract with the county, what is your role? A. I am the principal Program Manager. Q. Okay. Are you the principal point of contact with Keramida and the county? A. From a contractual standpoint, probably, yes. But from a day-to-day operation, my project manager below me is. Q. And who is your project manager? 	674 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	 A. Yes. A. Yes. A. Yes. A. So Keramida has extensive A. I have one to add, sorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well? A. Yes. Q. So you've done inspections for three coke facilities prior to Clairton Works? A. Yes. And then after Clairton Works I apologize, I failed to mention we got a contract with the State of Permsylvania for Monessen which was, I think, May of this year it started. Q. Now, the Monessen facility, is that the A. Yes. Q. I see. You have employees who are Method 303 inspectors; is that correct? A. That's correct. Q. And they do the inspections at Clairton Coke
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? Q. For the company generally and then I will ask you with respect to this. A. Okay. So I'm the vice president of the land services division which focuses on due diligence, investigation, remediation, any kind of asbestos/lead issues. That's a good summary. But I'm more or less the operations of the group. Q. Okay. And with respect to your contract with the county, what is your role? A. I am the principal Program Manager. Q. Okay. Are you the principal point of contact with Keramida and the county? A. From a contractual standpoint, probably, yes. But from a day-to-day operation, my project manager below me is. Q. And who is your project manager? A. Chuck Swallow. 	674 12 2 24 25 26 26 26 26 26 26 26 26 26 26	 A. Indiana. Q. So Keramida has extensive A. I have one to add, eorry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well? A. Yes. Q. So you've done inspections for three coke facilities prior to Clairton Works? A. Yes. And then after Clairton Works I apologize, I failed to mention we got a contract with the State of Pennsylvania for Monessen which was, I think, May of this year it started. Q. Now, the Monessen facility, is that the A. Yes. Q. I see. You have employees who are Method 303 inspectors; is that correct? A. Yes. Q. And they do the inspections at Clairton Coke Works, correct? A. Yes. Q. Could you explain what those individuals do for
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 Q. With respect to 303, are you currently certified A. I am. Q. How long have you been certified for 303? A. Since 1995. Q. Okay. And in your current role with Keramida, what is your job description, if you will? A. For the company generally or for this project? Q. For the company generally and then I will ask you with respect to this. A. Okay. So I'm the vice president of the land services division which focuses on due diligence, investigation, remediation, any kind of asbestos/lead issues. That's a good summary. But I'm more or less the operations of the group. Q. Okay. And with respect to your contract with the county, what is your role? A. I am the principal Program Manager. Q. Okay. Are you the principal point of contact with Keramida and the county? A. From a contractual standpoint, probably, yes. But from a day-to-day operation, my project manager below me is. Q. And with respect to the county's contract with 	674 12 2 2 3 4 5 6 7 10 11 12 13 14 14 15 14 15 16 17 18 19 20 21 22 23 24 25 26 20 21 22 23 24 25 26 20 21 20 20 21 20 20 21 20 20 20 20 20 20 20 20 20 20	 A. Indiana. Q. So Keramida has extensive A. I have one to add, corry. Q. I'm sorry. A. Ashland, Kentucky, AK Steel, we inspected there for about a year. Q. The AK Steel, was that a coke facility as well? A. Yes. Q. So you've done inspections for three coke facilities prior to Clairton Works? A. Yes. And then after Clairton Works I apologize, I failed to mention we got a contract with the State of Pennsylvania for Moressen which was, I think, May of this year it started. Q. Now, the Monessen facility, is that the A. Yes. Q. I see. You have employees who are Method 303 inspectors; is that correct? A. Yes. Q. And they do the inspections at Clairton Coke Works, correct? A. Yes. Q. Could you explain what those individuals do for you in terms of their inspections?

		677			679
1	A. Generally, or		1	Q. Okay. And once that data is sent back to is	
2	Q. Generally, please.		2	it going to headquarters?	
3	A. Okay. So generally, they are doing the coke		3	A. The data goes into the there's no paperwork	
4	303 - Method 303 inspections as the method and as they		4	that they are not writing anything on paperwork	
5	were trained. And they were reporting they are using		5	during the inspection, unless the system is down, which	
6	an electronic tablet, and we got a web-based portal that		6	it has cocurred occasionally, not often, not very often	
7	they enter the data during their inspections. So they		7	at all. But it goes to the cloud, and then they don't	
8	are inspecting the topside, the lids and offtakes, they		8	see the data after that.	
9	are inspecting the doors, and they are doing the		9	But the QACC process for them is after they do	
10	charging observations.		10	their inspection, they go back to our trailer and they	
11	O. Okav. And you, as their employer, ensure that		11	do a neview of what they have entered. 'cause we have	
12	they are certified under Method 3032		12	the K-Borts in kind of three different brikets	
13	A ve		13	The in names meaning it either head't been	
14	And you mentioned competing about a tablet		14	started on they areit's in revease actual in	
15	Cauld you amplain how their characterians are recorded?		15	statuet of day are - it's in process, atom in	
16	A Yeah So with bring 10 batteries at the		16	Indukes they get done with their incomption and	
17	A. rean. So with having to hatternes at the		17	And when they get done with their inspection and	
10	factulty, we try to essiminate any manual entries or data		10	when they go to the trailer, they will do a cursory	
10	as best as we could, and we fait, like, managing 10		10	review of that in-process data; and then if they are	
19	batteries would be best on an electronic perspective.		19	comfortable and if they felt like - if all the data is	
20	So we had a custom-built web portal, which we		20	entered, they don't see anything that's not correct,	
21	call K-Port, that's, in some senses, general. It covers		21	then they will send it to end review, and then that's	
22	more batteries. And in some sense, it's specific to		22	when Chuck Swallow, as the PM, he reviews them daily,	
23	batteries.		23	does a spot-check review, and makes sure all of the data	
24	But they, you know the start - there's		24	is entered correctly.	
25	automatic things in the system. But from an inspector's		25	There's some - a lot of safeguards, but there	
1	position, every midnight, all 10 batteries show up in	678	1	are a few things that you really — we have to pay	680
2	our system.		2	attention to. It's on a timing perspective. There's a	
3	So all 10 batteries show up. They inspect, when		3	- you can put a letter in there, stuff like that.	
4	they are using the program, the battery, the date, and		4	That's the stuff that he finds.	
5	all of their new lotes. When here to entry a short and				
6	and or that populates. They have to enter a start and		5	And then if there are issues, he will send it	
	stop time of the traverses, and that's an auto picker.		5 6	And then if there are issues, he will send it back to we can K-Port will send back in to end	
7	stop time of the traverses, and that's an auto picker. Basically, you hit the button and it puts the actual		5 6 7	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can	
7 8	stop time of the traverses, and that's an auto picker. Basically, you hit the button and it puts the actual time it's recording.		5 6 7 8	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at	
7 8 9	stop time of the traverses, and that's an auto picker. Basically, you hit the button and it puts the actual time it's recording. When they are entering data, it's going to the		5 6 7 8 9	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at their home. They can also get on their computer and get	
7 8 9 10	stop time of the traverses, and that's an auto picker. Basically, you hit the button and it puts the actual time it's recording. When they are entering data, it's going to the cloud, the portal. It's not on the tablet.		5 6 7 8 9	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at their home. They can also get on their computer and get onto the portal and correct that. And then whoever	
7 8 9 10 11	stop time of the traverses, and that's an auto picker. Basically, you hit the button and it puts the actual time it's recording. When they are entering data, it's going to the cloud, the portal. It's not on the tablet. So they do use their stopwatch for the memual	1	5 6 7 8 9 10	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at their home. They can also get on their computer and get onto the portal and correct that. And then whoever changed it last, their name is what populates onto the	
7 8 9 10 11 12	stop time of the traverses, and that's an auto picker. Banically, you hit the button and it puts the actual time it's recording. When they are entering data, it's going to the cloud, the portal. It's not on the tablet. So they do use their stopwatch for the manual entry of the traverse time, of the actual traverse time.	1	5 6 7 8 9 10 11	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at their home. They can also get on their computer and get onto the portal and correct that. And then whoever changed it last, their name is what populates onto the report.	
7 8 9 10 11 12 13	<pre>all of that populates. They have to enter a start and stop time of the traverses, and that's an auto picker. Basically, you hit the button and it puts the actual time it's recording. When they are entering data, it's going to the cloud, the portal. It's not on the tablet. So they do use their stopwatch for the menual entry of the traverse time, of the actual traverse time. The allowable traverse time is automatically populated</pre>	1	5 6 7 8 9 10 11 12 13	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at their home. They can also get on their computer and get onto the portal and correct that. And then whoever changed it last, their name is what populates onto the report. So that's how we it is a QC thing and quality	
7 8 9 10 11 12 13 14	<pre>all of that populates. They have to enter a start and stop time of the traverses, and that's an auto picker. Basically, you hit the button and it puts the actual time it's recording. When they are entering data, it's going to the cloud, the portal. It's not on the tablet. So they do use their stopwatch for the manual entry of the traverse time, of the actual traverse time. The allowable traverse time is automatically populated based on whatever leaks they have and their actual time</pre>		5 6 7 8 9 10 11 12 13 14	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at their home. They can also get on their computer and get onto the portal and correct that. And then whoever changed it last, their name is what populates onto the report. So that's how we it is a QC thing and quality thing because we don't want others changing the data.	
7 8 9 10 11 12 13 14 15	<pre>all of that populates. They have to enter a start and stop time of the traverses, and that's an auto picker. Basically, you hit the button and it puts the actual time it's recording. When they are entering data, it's going to the cloud, the portal. It's not on the tablet. So they do use their stopwatch for the manual entry of the traverse time, of the actual traverse time. The allowable traverse time is automatically populated based on whatever leaks they have and their actual time and the amount of leaks they have, and their actual time</pre>		5 6 7 8 9 10 11 12 13 14	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at their home. They can also get on their computer and get onto the portal and correct that. And then whoever changed it last, their name is what populates onto the report. So that's how we it is a QC thing and quality thing because we don't want others changing the data. So whoever has made the final entry is who is on the	
7 8 9 10 11 12 13 14 15 16	<pre>all of that populates. They have to enter a start and stop time of the traverses, and that's an auto picker. Basically, you hit the button and it puts the actual time it's recording. When they are entering data, it's going to the cloud, the portal. It's not on the tablet. So they do use their stopwatch for the menual entry of the traverse time, of the actual traverse time. The allowable traverse time is automatically populated based on whatever leaks they have, and their actual time and the amount of leaks they have, and their actual time is compared.</pre>		5 6 7 8 9 10 11 12 13 14 15 16	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at their home. They can also get on their computer and get onto the portal and correct that. And then whoever changed it last, their name is what populates onto the report. So that's how we it is a QC thing and quality thing because we don't want others changing the data. So whoever has made the final entry is who is on the report	
7 8 9 10 11 12 13 14 15 16 17	<pre>stop time of the traverses, and that's an auto picker. Basically, you hit the button and it puts the actual time it's recording. When they are entering data, it's going to the cloud, the portal. It's not on the tablet. So they do use their stopwatch for the manual entry of the traverse time, of the actual traverse time. The allowable traverse time is automatically populated based on whatever leaks they have and their actual time is compared. Q. Are your inspectors inspecting all 10 batteries</pre>		5 6 7 8 9 10 11 12 13 14 15 16	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at their home. They can also get on their computer and get onto the portal and correct that. And then whoever changed it last, their name is what populates onto the report. So that's how we it is a QC thing and quality thing because we don't want others changing the data. So whoever has made the final entry is who is on the report Q. Okay, I see. Is the entry of that data	
7 8 9 10 11 12 13 14 15 16 17 18	<pre>all of that populates. They have to enter a start and stop time of the traverses, and that's an auto picker. Basically, you hit the button and it puts the actual time it's recording. When they are entering data, it's going to the cloud, the portal. It's not on the tablet. So they do use their stopwatch for the manual entry of the traverse time, of the actual traverse time. The allowable traverse time is automatically populated based on whatever leaks they have, and their actual time and the amount of leaks they have, and their actual time is compared. Q. Are your inspectors inspecting all 10 batteries every day?</pre>		5 6 7 8 9 10 11 12 13 14 15 16 17	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at their home. They can also get on their computer and get onto the portal and correct that. And then whoever changed it last, their name is what populates onto the report. So that's how we it is a QC thing and quality thing because we don't want others changing the data. So whoever has made the final entry is who is on the report Q . Okay, I see. Is the entry of that data transmitted to the cloud at the end of a shift?	
7 8 9 10 11 12 13 14 15 16 17 18 19	 all of that populates. They have to enter a start and stop time of the traverses, and that's an auto picker. Basically, you hit the button and it puts the actual time it's recording. When they are entering data, it's going to the cloud, the portal. It's not on the tablet. So they do use their stopwatch for the menual entry of the traverse time, of the actual traverse time. The allowable traverse time is automatically populated based on whatever leaks they have, and their actual time is compared. Q. Are your inspectors inspecting all 10 batteries every day? A. My group of inspectors are, but not one percent. 		5 6 7 8 9 100 11 12 13 14 15 16 17 18	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at their home. They can also get on their computer and get onto the portal and correct that. And then whoever changed it last, their name is what populates onto the report. So that's how we it is a QC thing and quality thing because we don't want others changing the data. So whoever has made the final entry is who is on the report Q. Okay, I see. Is the entry of that data transmitted to the cloud at the end of a shift? A. and I'm not an IT person, but I believe it's	
7 8 9 10 11 12 13 14 15 16 17 18 19 20	 all of that populates. They have to enter a start and stop time of the traverses, and that's an auto picker. Basically, you hit the button and it puts the actual time it's recording. When they are entering data, it's going to the cloud, the portal. It's not on the tablet. So they do use their stopwatch for the menual entry of the traverse time, of the actual traverse time. The allowable traverse time is automatically populated based on whatever leaks they have, and their actual time is compared. Q. Are your inspectors inspecting all 10 batteries every day? A. My group of inspectors are, but not one person, no. 		5 6 7 8 9 100 11 12 13 14 15 16 17 18 19 20	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at their home. They can also get on their computer and get onto the portal and correct that. And then whoever changed it last, their name is what populates onto the report. So that's how we it is a QC thing and quality thing because we don't want others changing the data. So whoever has made the final entry is who is on the report Q. Okay, I see. Is the entry of that data transmitted to the cloud at the end of a shift? A. And I'm not an IT person, but I believe it's communicating with the cloud as they're entering data.	
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 all of that populates. They have to enter a start and stop time of the traverses, and that's an auto picker. Basically, you hit the button and it puts the actual time it's recording. When they are entering data, it's going to the cloud, the portal. It's not on the tablet. So they do use their stopwatch for the manual entry of the traverse time, of the actual traverse time. The allowable traverse time is automatically populated based on whatever leaks they have and their actual time is compared. Q. Are your inspectors inspecting all 10 batteries every day? A. My group of inspectors are, but not one person, no. Q. I understand. 		5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at their home. They can also get on their computer and get onto the portal and correct that. And then whoever changed it last, their name is what populates onto the report. So that's how we it is a QC thing and quality thing because we don't want others changing the data. So whoever has made the final entry is who is on the report Q. Okay, I see. Is the entry of that data transmitted to the cloud at the end of a shift? A. And I'm not an IT person, but I believe it's communicating with the cloud as they're entering data. I think there's when they hit the save. I think there	
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 all of that populates. They have to enter a start and stop time of the traverses, and that's an auto picker. Banically, you hit the button and it puts the actual time it's recording. When they are entering data, it's going to the cloud, the portal. It's not on the tablet. So they do use their stopwatch for the manual entry of the traverse time, of the actual traverse time. The allowable traverse time is automatically populated based on whatever leaks they have, and their actual time is compared. Q. Are your inspectors inspecting all 10 batteries every day? A. My group of inspectors are, but not one person, no. Q. I understand. A. Grav. 		5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at their home. They can also get on their computer and get onto the portal and correct that. And then whoever changed it last, their name is what populates onto the report. So that's how we it is a QC thing and quality thing because we don't want others changing the data. So whoever has made the final entry is who is on the report Q . Okay, I see. Is the entry of that data transmitted to the cloud at the end of a shift? A. And I'm not an IT person, but I believe it's communicating with the cloud as they're entering data. I think there's when they hit the save, I think there	
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 all of that populates. They have to enter a start and stop time of the traverses, and that's an auto picker. Basically, you hit the button and it puts the actual time it's recording. When they are entering data, it's going to the cloud, the portal. It's not on the tablet. So they do use their stopwatch for the menual entry of the traverse time, of the actual traverse time. The allowable traverse time is automatically populated based on whatever leaks they have, and their actual time is compared. Q. Are your inspectors inspecting all 10 batteries every day? A. My group of inspectors are, but not one person, no. Q. I understand. A. Okay. Q. But the entire group, as a collection will 	1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at their home. They can also get on their computer and get onto the portal and correct that. And then whoever changed it last, their name is what populates onto the report. So that's how we it is a QC thing and quality thing because we don't want others changing the data. So whoever has made the final entry is who is on the report Q. Okay, I see. Is the entry of that data transmitted to the cloud at the end of a shift? A. And I'm not an IT person, but I believe it's communicating with the cloud as they're entering data. I think there's when they hit the save, I think there is a save button, when that is saved, it communicates with the portal and it's dominant of the save.	
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 all dr that populates. They have to enter a start and stop time of the traverses, and that's an auto picker. Banically, you hit the button and it puts the actual time it's recording. When they are entering data, it's going to the cloud, the portal. It's not on the tablet. So they do use their stopwatch for the manual entry of the traverse time, of the actual traverse time. The allowable traverse time is automatically populated based on whatever leaks they have and their actual time is compared. Q. Are your inspectors inspecting all 10 batteries every day? A. My group of inspectors are, but not one person, no. Q. I understand. A. Ckay. Q. But the entire group, as a collection, will inspect all 10 batteries in a 24-bour period? 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at their home. They can also get on their computer and get onto the portal and correct that. And then whoever changed it last, their name is what populates onto the report. So that's how we it is a QC thing and quality thing because we don't want others changing the data. So whoever has made the final entry is who is on the report Q. Okay, I see. Is the entry of that data transmitted to the cloud at the end of a shift? A. And I'm not an IT person, but I believe it's communicating with the cloud as they're entering data. I think there's when they hit the save, I think there is a save button, when that is saved, it communicates with the portal and it's downloading up there. It's nothing that we have to plux into a commuter	
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 all dr that populates. They have to enter a start and stop time of the traverses, and that's an auto picker. Basically, you hit the button and it puts the actual time it's recording. When they are entering data, it's going to the cloud, the portal. It's not on the tablet. So they do use their stopwatch for the manual entry of the traverse time, of the actual traverse time. The allowable traverse time is automatically populated based on whatever leaks they have, and their actual time is compared. Q. Are your inspectors inspecting all 10 batteries every day? A. My group of inspectors are, but not one person, no. Q. I understand. A. Okay. Q. But the entire group, as a collection, will inspect all 10 batteries in a 24-hour period? A. That's correct. 	1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at their home. They can also get on their computer and get onto the portal and correct that. And then whoever changed it last, their name is what populates onto the report. So that's how we it is a QC thing and quality thing because we don't want others changing the data. So whoever has made the final entry is who is on the report Q . Okay, I see. Is the entry of that data transmitted to the cloud at the end of a shift? A. And I'm not an IT person, but I believe it's communicating with the cloud as they're entering data. I think there's when they hit the save, I think there is a save button, when that is saved, it communicates with the portal and it's downloading up there. It's nothing that we have to plug into a computer to download and it's I believe as a course of the	
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 all dr that populates. They have to enter a start and stop time of the traverses, and that's an auto picker. Banically, you hit the button and it puts the actual time it's recording. When they are entering data, it's going to the cloud, the portal. It's not on the tablet. So they do use their stopwatch for the manual entry of the traverse time, of the actual traverse time. The allowable traverse time is automatically populated based on whatever leaks they have, and their actual time is compared. Q. Are your inspectors inspecting all 10 batteries every day? A. My group of inspectors are, but not one person, no. Q. I understand. A. Okay. Q. But the entire group, as a collection, will inspect all 10 batteries in a 24-hour period? A. That's correct. 	1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2	5 6 7 8 9 10 11 12 13 14 15 16 17 18 9 20 21 22 23 24 25	And then if there are issues, he will send it back to we can K-Port will send back in to end process, and he contacts the inspector and they can they don't have to use the tablet, they can also be at their home. They can also get on their computer and get onto the portal and correct that. And then whoever changed it last, their name is what populates onto the report. So that's how we it is a QC thing and quality thing because we don't want others changing the data. So whoever has made the final entry is who is on the report Q. Okay, I see. Is the entry of that data transmitted to the cloud at the end of a shift? A. And I'm not an IT person, but I believe it's communicating with the cloud as they're entering data. I think there's when they hit the save, I think there is a save button, when that is saved, it communicates with the portal and it's downloading up there. It's nothing that we have to plug into a computer to download and it's I believe as a course of the	

Γ

1	6	581		683
2	inspection, as we are hitting the save button, that data	1	A. He approves it and it goes into the last bucket,	
1	is going to the portal.	2	which is "valid." When it hits the valid stage, it	
3	${\sf Q}.$ So at the conclusion of any particular inspection	3	populates into some downloadable, viewable daily forms,	
4	where they see an exceedance that they record, they put	4	and that is generally in almost all cases done by the	
5	it into the tablet and then that is automatically sent	5	end of the day.	
6	to the cloud; is that correct?	6	There has been occasion, specifically initially,	
7	A. Well, I'm not sure what you mean by "exceedance."	7	that may have been done the next day, but he generally	
8	Q. Whenever there's a visible emission observation	8	stays on top of it and approves them and validates them	
9	that's noted on their report, once it's noted in the	9	the same day we do the inspection.	
10	report, is it automatically sent to the cloud?	10	So when they are valid, they are - I provided	
11	A. After they hit the save button, yes.	11	the crimty representatives. ILS. Steel representatives	
12	$\Omega_{\rm c}$ Okay. Is there an occasion which to your	12	the ability to go and view download and wint the daily	
13	understanding, they would not hit that save button until	13	forms, the official daily forms from our K-Port So	
14	the end of a shift or	14	there is a reason to do that within 24 have	
15	A from an time Thelium that - in here	15	There is a close to be that within 24 hours.	
16	A. mete are units, i beneve, that we have	15	inen the data is also put into the spicearsheets	
17	chinement cell service, because it's used by the Life	10	that we don't manage on a daily basis or a weekly basis.	
1/	service - that there are certain areas of the plant	17	It's a monthly basis.	
18	where we couldn't hit save. I know for a fact that in	18	Q. Okay. So Mr. Swallow is tasked with reviewing	
19	Burns Harbor, Indiana, that was the case, that we	19	the inspection reports on a daily basis and approving	
20	couldn't if we hit save, you could lose the data. So	20	them?	
21	we know the areas of the plant that don't save it until	21	A. That's connect.	
22	you get to where the communication is better.	22	Q. And he does this every day?	
23	${\sf Q}.$ Okay. Do you have any loss data with respect to	23	A. He does it every day.	
24	any of the inspection reports for U.S. Steel Clairton;	24	${\sf Q}.$ And how many I know that ACHD inspectors are	
25	have you?	25	there five days a week. Are your inspectors there also	
1	A. We have not. I believe some of the inspectors, if not all of the inspectors, are taking notes too in	1	five days a week? A. Yes. Or no, seven days, sourcy.	
3	case there are issues. So I think there have been some	3	 Seven days a week? 	
4	I should connect that. I think there have been	4	A. Yeo, seven days a week, 365.	
5	issues that there was data that didn't save, so that's	5	0. 3652	
6	where there are not an and the court of sever, so that of	6	A II-hab (affirmations)	
7	O Okay and you montioned that the tablets are		A. OFILIT (attinative.)	
	entried by ITE2		• No bolidays or you are still there for the	
×		8	Q. No holidays, or you are still there for the	
8	A Vos	8	Q. No holidays, or you are still there for the holidays? A Still there	
8 9 10	A. Yes.	8 9	 Q. No holidays, or you are still there for the holidays? A. Still there. Q. Okay. You mentioped that this data is also such that this data is also such that the data is also such that that the data is also such	
8 9 10	A. Yes. Q. That is a cellular service?	8 9 10	 Q. No holidays, or you are still there for the holidays? A. still there. Q. Okay. You mentioned that this data is also sent to U.S. Starl. Cauld use emplois here that information 	
8 9 10 11	 A. Yes. Q. That is a cellular service? A. That's a cellular service. Q. So they don't need to be service to be service. 	8 9 10 11	 Q. No holidays, or you are still there for the holidays? A. still there. Q. Okay. You mentioned that this data is also sent to U.S. Steel. Could you explain how that information is summed to U.S. Steel. 	
8 9 10 11 12	 A. Yes. Q. That is a cellular service? A. That's a cellular service. Q. So they don't need to be connected to a Wi-Fi 	8 9 10 11 12	 Q. No holidays, or you are still there for the holidays? A. Still there. Q. Okay. You mentioned that this data is also sent to U.S. Steel. Could you explain how that information is conveyed to U.S. Steel? 	
8 9 10 11 12 13	 A. Yes. Q. That is a cellular service? A. That's a cellular service. Q. So they don't need to be connected to a Wi-Fi network? 	8 9 10 11 12 13	 Q. No holidays, or you are still there for the holidays? A. still there. Q. Okay. You mentioned that this data is also sent to U.S. Steel. Could you explain how that information is conveyed to U.S. Steel? A. So the county and U.S. Steel has access to view, 	
8 9 10 11 12 13 14	 A. Yes. Q. That is a cellular service? A. That's a cellular service. Q. So they don't need to be connected to a Wi-Finetwork? A. No. Q. The between black back back back back back back back b	8 9 10 11 12 13 14	 Q. No holidays, or you are still there for the holidays? A. Still there. Q. Okay. You mentioned that this data is also sent to U.S. Steel. Could you explain how that information is conveyed to U.S. Steel? A. So the county and U.S. Steel has access to view, download, print. They also have a system that they were 	
8 9 10 11 12 13 14 15	 A. Yes. Q. That is a cellular service? A. That's a cellular service. Q. So they don't need to be connected to a Wi-Finetwork? A. No. Q. They don't need to be plugged into any sort of 	8 9 10 11 12 13 14 15	 Q. No holidays, or you are still there for the holidays? A. Still there. Q. Okay. You mentioned that this data is also sent to U.S. Steel. Could you explain how that information is conveyed to U.S. Steel? A. So the county and U.S. Steel has access to view, download, print. They also have a system that they were using prior to Keramida coming on that our system didn't 	
8 9 10 11 12 13 14 15 16	 A. Yes. Q. That is a cellular service? A. That's a cellular service. Q. So they don't need to be connected to a Wi-Fi network? A. No. Q. They don't need to be plugged into any sort of cord in the trailer? 	8 9 10 11 12 13 14 15 16	 Q. No holidays, or you are still there for the holidays? A. Still there. Q. Okay. You mentioned that this data is also sent to U.S. Steel. Could you explain how that information is conveyed to U.S. Steel? A. So the county and U.S. Steel has access to view, download, print. They also have a system that they were using prior to Keramida coming on that our system didn't communicate with. 	
8 9 10 11 12 13 14 15 16 17	 A. Yes. Q. That is a cellular service? A. That's a cellular service. Q. So they don't need to be connected to a Wi-Fi network? A. No. Q. They don't need to be plugged into any sort of cord in the trailer? A. Nope, nope. 	8 9 10 11 12 13 14 15 16 17	 Q. No holidays, or you are still there for the holidays? A. Still there. Q. Okay. You mentioned that this data is also sent to U.S. Steel. Could you explain how that information is conveyed to U.S. Steel? A. So the county and U.S. Steel has access to view, download, print. They also have a system that they were using prior to Keramida coming on that our system didn't communicate with. So when we changed, they had trouble. You know, 	
8 9 10 11 12 13 14 15 16 17 18	 A. Yes. Q. That is a cellular service? A. That's a cellular service. Q. So they don't need to be connected to a Wi-Fi network? A. No. Q. They don't need to be plugged into any sort of cord in the trailer? A. Nope, nope. Q. Okay. Once that data makes its way to the cloud, 	8 9 10 11 12 13 14 15 16 17 18	 Q. No holidays, or you are still there for the holidays? A. Still there. Q. Okay. You mentioned that this data is also sent to U.S. Steel. Could you explain how that information is conveyed to U.S. Steel? A. So the county and U.S. Steel has access to view, download, print. They also have a system that they were using prior to Keramida coming on that our system didn't communicate with. So when we changed, they had trouble. You know, it was a lot of work for them. So we communicated, and 	
8 9 10 11 12 13 14 15 16 17 18 19	 A. Yes. Q. That is a cellular service? A. That's a cellular service. Q. So they don't need to be connected to a Wi-Fi network? A. No. Q. They don't need to be plugged into any sort of cord in the trailer? A. Nope, nope. Q. Okay. Once that data makes its way to the cloud, what happens to it then? 	8 9 10 11 12 13 14 15 16 17 18 19	 Q. No holidays, or you are still there for the holidays? A. Still there. Q. Okay. You mentioned that this data is also sent to U.S. Steel. Could you explain how that information is conveyed to U.S. Steel? A. So the county and U.S. Steel has access to view, download, print. They also have a system that they were using prior to Keramida coming on that our system didn't communicate with. So when we changed, they had trouble. You know, it was a lot of work for them. So we communicated, and they were interested in upgrading our system so they can 	
8 9 10 11 12 13 14 15 16 17 18 19 20	 A. Yes. Q. That is a cellular service? A. That's a cellular service. Q. So they don't need to be connected to a Wi-Fi network? A. No. Q. They don't need to be plugged into any sort of cord in the trailer? A. Nope, nope. Q. Okay. Once that data makes its way to the cloud, what happens to it then? A. So when it goes into the cloud, and they actually 	8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. No holidays, or you are still there for the holidays? A. Still there. Q. Okay. You mentioned that this data is also sent to U.S. Steel. Could you explain how that information is conveyed to U.S. Steel? A. So the county and U.S. Steel has access to view, download, print. They also have a system that they were using prior to Keramida coming on that our system didn't communicate with. So when we changed, they had trouble. You know, it was a lot of work for them. So we communicated, and they were interested in upgrading our system so they can get data quicker and - maybe - I don't know if 	
8 9 10 11 12 13 14 15 16 17 18 19 20 21	 A. Yes. Q. That is a cellular service? A. That's a cellular service. Q. So they don't need to be connected to a Wi-Fi network? A. No. Q. They don't need to be plugged into any sort of cord in the trailer? A. Nope, nope. Q. Okay. Once that data makes its way to the cloud, what happens to it then? A. So when it goes into the cloud, and they actually hit the end review, and then that's when Chuck Swallow 	8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. No holidays, or you are still there for the holidays? A. Still there. Q. Okay. You mentioned that this data is also sent to U.S. Steel. Could you explain how that information is conveyed to U.S. Steel? A. So the county and U.S. Steel has access to view, download, print. They also have a system that they were using prior to Keramida coming on that our system didn't communicate with. So when we changed, they had trouble. You know, it was a lot of work for them. So we communicated, and they were interested in upgrading our system so they can get data quicker and — maybe — I don't know if "quicker" would be accurate, but at least get the data 	
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 A. Yes. Q. That is a cellular service? A. That's a cellular service. Q. So they don't need to be connected to a Wi-Fi network? A. No. Q. They don't need to be plugged into any sort of cord in the trailer? A. Nope, nope. Q. Okay. Once that data makes its way to the cloud, what happens to it then? A. So when it goes into the cloud, and they actually hit the end review, and then that's when Chuck Swallow does the QAC that he does like I briefly described 	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. No holidays, or you are still there for the holidays? A. Still there. Q. Okay. You mentioned that this data is also sent to U.S. Steel. Could you explain how that information is conveyed to U.S. Steel? A. So the county and U.S. Steel has access to view, download, print. They also have a system that they were using prior to Keramida coming on that our system didn't communicate with. So when we changed, they had trouble. You know, it was a lot of work for them. So we communicated, and they were interested in upgrading our system so they can get data quicker and — maybe — I don't know if "quicker" would be accurate, but at least get the data that can be downloaded into their system so there were 	
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 A. Yes. Q. That is a cellular service? A. That's a cellular service. Q. So they don't need to be connected to a Wi-Fi network? A. No. Q. They don't need to be plugged into any sort of cord in the trailer? A. Nope, nope. Q. Okay. Once that data makes its way to the cloud, what happens to it then? A. So when it goes into the cloud, and they actually hit the end review, and then that's when Chuck Swallow does the QAQC that he does like I briefly described cerlier. And once he's fine with that, he will hit save 	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. No holidays, or you are still there for the holidays? A. Still there. Q. Okay. You mentioned that this data is also sent to U.S. Steel. Could you explain how that information is conveyed to U.S. Steel? A. So the county and U.S. Steel has access to view, download, print. They also have a system that they were using prior to Keramida coming on that our system didn't comminicate with. So when we changed, they had trouble. You know, it was a lot of work for them. So we communicated, and they were interested in upgrading our system so they can get data quicker and — maybe — I don't know if "quicker" would be accurate, but at least get the data that can be downloaded into their system so there were no manual entries.	
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 A. Yes. Q. That is a cellular service? A. That's a cellular service. Q. So they don't need to be connected to a Wi-Fi network? A. No. Q. They don't need to be plugged into any sort of cord in the trailer? A. Nope, nope. Q. Okay. Once that data makes its way to the cloud, what happens to it then? A. So when it goes into the cloud, and they actually hit the end review, and then that's when Chuck Swallow does the QAQC that he does like I briefly described carlier. And once he's fine with that, he will hit save or he will hit the — 	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Q. No holidays, or you are still there for the holidays? A. Still there. Q. Okay. You mentioned that this data is also sent to U.S. Steel. Could you explain how that information is conveyed to U.S. Steel? A. So the county and U.S. Steel has access to view, download, print. They also have a system that they were using prior to Keramida coming on that our system didn't communicate with. So when we changed, they had trouble. You know, it was a lot of work for them. So we communicated, and they were interested in upgrading our system so they can get data quicker and - maybe - I don't know if "quicker" would be accurate, but at least get the data that can be downloaded into their system so there were no menual entries. 	

		685	Ú.		687
1	1 my inspectors send them to end review, they get text		1	because some of the confusion was the Article 21, how I	
2	2 messages or e-mails - sorry, they get e-mails of the		2	read the Article 21 wasn't I don't believe it was	
3	data. It is not for the whole day. It's every time a		3	from how the county and/or U.S. Steel either normally	
4	battery gets to - sent to end review, which are		4	historically saw it.	
5	technically preliminary because they haven't been		5	So we went back and forth, and finally, we were	
6	5 reviewed, but they get that data. My understanding on		6	told to delete or subtract the two leaks two leaks	
7	how their system works, they get the data as soon as πy		7	from each battery and the two doors observed on each	
8	inspector sends it into review.		8	battery with the exception of Battery B.	
9	Q. And you are referring to U.S. Steel as the "they"		9	Q. So the	
10) who receives this information?		10	A. Sorry.	
11	A. Yes. I think the county gets the e-mail as well.		11	Q. Go ahead.	
12	I don't think the county uses it.		12	A. So the error occurred - after that was decided,	
13	Q. Now, you were here earlier to hear Ms. Crowley's		13	Battery 15 and 20, there were — we take our data from	
14	testimony, that she presents the escort with her		14	K-Port to portal and that spreadsheet I talked about and	
15	inspection data.		15	we down at the end of the month, we will download	
16	A. Yes.		16	that into our master - we call it a master spreadsheet	
17	Q. Does Keramida do the same thing?		17	that we use to generate the report, and it's just an	
18	A. Keramida does we don't have an escort.		18	Excel sheet that's got a lot of formulas.	
19	Mostly, generally, we do not have an export. But they		19	So the error on 15 and 20 occurred when two of	
20	do provide the symphot regults to the battery foreman		20	those formulas one formula on each of the sheets did	
21	0 00 2 daily basis?		21	not get changed. So once we identified that we	
22	A On a drilly basis:		22	notified Mr. Deluce and he had me missue the month	
22	$\mathbf{O} \mathbf{C} $		22	O okay just	
23	Q. So it's fail to say that at the end of any day,		23	A and the -	
24	o.s. Steet has an idea of now many visible emissions,		24	A. Ald their -	
25	COSETVICTORS LINETE WELE:		23	Q. Solly. Subt to be creat, the errors that you saw	
		69.6			600
1	A vec	000	1	tom not orrere in actual observations?	000
2	And that any potential lasks that your cought by		2	A No ∞ . It is appreciately according to $-$ data	
2	Karamida, they would know that?		2	management errors at an office on the appendiation of	
1	A matic compati		1	the methly spects	
4	A. mat's contest.	- 1	4 E	the monthly reports.	
5	Q. And with respect to Battery B on the coke side,		5	I've never been notified that we've had an error	
0	you do inspections on that side?		0	on our daily entrues. No one has questioned our data	
/	A. We do.		1	that goes to the cloud on a daily basis in our daily	
8	Q. Okay. And so at the end of any particular day,	1	8	forms.	
9	they would have a number of leaks with respect to		9	Q. I see. And just to be clear, your company was	
10	Battery B on the coke side?		10	retained to do observations, correct?	
11	A. That's correct.		11	A. Yes.	
12	Q. Okay. Now, I don't know if you were here		12	Q. Your company was not retained to determine	
13	yesterday. Were you here yesterday?		13	compliance?	
14	A. I was here for part of the day.		14	A. We're not we weren't contacted to do	
15	Q. Part of the day?		15	compliance. We are contracted to present a report that	
16	A. Yep.		16	evaluates the percentages to the standards, and that's	
17	${\sf Q}.$ You may recall that Dean DeLuca had testified		17	what we do.	
18	with respect to certain errors that occurred over the		18	${\sf Q}.$ Okay. I'm going to show you a document here.	
19	past year with respect to the inspections.		19	This is going to be ACHD 26. Do you recognize this	
20	A. Uh-huh (affirmative.)		20	document? And I would note that there's an e-mail and	
21	Q. Could you provide your insight as to what		21	an attachment to that.	
22	happened with those errors, how they occurred?		22	A. This is - the whole document refers to the 26?	
23	A. So we went back and forth on how we were		23	Q. Yes.	
24	presenting the SIP calculations. Once we came to the		24	A. Exhibit 26, okay. Yep, there's an e-mail.	
25	final decision on how we were going to present it,		25	$Q. \ \mbox{And what does this e-mail and the attached}$	
		689			691
---	--	-----	----------------------------	---	-----
1	document refer to, please?		1	third-party auditor, which was Mr. Denne. We contracted	
2	A. Ch, it's an e-mail to the county from me when we		2	with him to do audits on all of our inspectors, roughly	
3	were I had developed a QAAP, quality assurance auto		3	two audits per inspector per year. So it was, you know,	
4	program, and we were missing the most recent		4	roughly 10 autits a year on our inspectors.	
5	certifications covering the period for two of my		5	So they are getting certified once a year by	
6	inspectors. So I had reached out to get a copy of		6	whether it's an initial or third year or interim of just	
7	those.		7	taking tests, but they are also getting audited a couple	
8	Q. And you managed to get copies of those		8	times a year from a you know, a panel member, Beryl	
9	certifications?		9	Denne.	
10	A. Yep.		10	Q. Okay. And correct me if I'm wrong, but this is	
11	Q. Are we talking about 303 certifications?		11	all to ensure the quality of the data that's being	
12	A. 303 certifications.		12	presented to U.S. Steel and to the Allegheny County	
13	Q. And the attached document which is titled the		13	Health Department?	
14	"quality assurance audit program,"		14	A. Yeah, for the county, U.S. Steel, and for me.	
15	A. Uh-huh (affirmative.)		15	Q. For you as well?	
16	Q could you describe this document and its		16	A. Yeah.	
17	purpose?		17	Q. And why for you?	
18	A. This is basically how it sounds. It's a program		18	A. 'Cause the company is responsible for what we are	
19	and a plan program that provides a system for quality		19	generating from a data perspective and I just want to -	
20	assurance and quality control of our inspections.		20	I try to do what I can to the best of my ability to	
21	O. I'm sorry. You would agree that the purpose of		21	eliminate mistakes, and I feel like having an audit in	
22	this document is to demonstrate that there is some		22	place of our inspectors by a third party at that time	
23	quality assurance with respect to your inspections and		23	- now he's one of our enclowees at a different	
24	the results from those inspections?		24	facility, he doesn't do U.S. Steel's facility it just	
25	A Yes		25	added a layer that's not required that we've had it.	
-			1.7		
11		690			692
1	Q. Okay. Could you describe that process?		1	included in all of our programs.	
2	A. So from - I talked about a little bit of the		2	Q. I see. And now that this QAAP program has been	
3	recording QAQC about the system which is not in		3	implemented, have you seen any success in terms of the	
4	here but the system has the safeguards to eliminate		4	quality of the data that is being output to the	
5	mistakes. Then the inspector does their review before		5	interested parties?	
6	they send it to final, and then we have the project		6	A. Well, I can't specifically state that I've seen	
7	manager doing another set of reviews, and then it's		7	any changes, but we've started it from day one. So I	
8	finalized.		8	don't have any knowledge of how the previous inspectors	
9	And also from a method, the procedure of		9	or two of my three of my inspectors worked for the	
10	collecting the data in the field, we have you know,		10	previous consultant. So I don't know what their	
11	it talks about what training they need. Any new		11	operation was during that time.	
12	inspector that we bring on is required to have the 303		12	But we've started this from the onset. So I'm	
13	prerequisites, and they are listed in the 303.		13	comfortable that it provides a system to get the best	
14	We also - and part of that training is a 12-hour		14	quality inspections in a day.	
15	battery experience. We don't put anybody on a battery		15	O. I see. And you mentioned you had a couple of	
16	to do an inspection with nearly 12 hours and the		16	inspectors who worked for the previous contractor?	
17	training of 303 class. We — they go through with gur		17	A. Yeab.	
18	inspectors for miltiple days.		18	O. Would that be Veolia?	
19	T map. I don't know how more. I'm onvo it		19	A. Veolia, veg.	
100 B 100	the second is below as on the second is a second seco		20	O. Okay. Do voi know how long those two inspectors	
20	varies, but it's until up have a comfort local that they			- out of the mon the true the the	
20	varies, but it's until we have a comfort level that they		21	had been doing inspections at Clairton Coke Works?	
20 21 22	varies, but it's until we have a comfort level that they know what they are doing and they know our K-Port		21 22	had been doing inspections at Clairton Coke Works?	
20 21 22 23	varies, but it's until we have a comfort level that they know what they are doing and they know our K-Port system. That's when we approve them to do inspections on their own		21 22 23	had been doing inspections at Clairton Coke Works? A. Between four and five years for all there were three of them. So all three of them	
20 21 22 23 24	varies, but it's until we have a comfort level that they know what they are doing and they know our K-Port system. That's when we approve them to do inspections on their own.		21 22 23 24	 had been doing inspections at Clairton Coke Works? A. Between four and five years for all there were three of them, so all three of them. Q. Who are those inspectors? 	
20 21 22 23 24 25	varies, but it's until we have a comfort level that they know what they are doing and they know our K-Port system. That's when we approve them to do inspections on their own. And then lastly, from a field perspective, we have a until we got the Monasson contract it was a		21 22 23 24 25	 had been doing inspections at Clairton Coke Works? A. Between four and five years for all there were three of them, so all three of them. Q. Who are those inspectors? A. Walt Greenewald, Ed Cherenko, and Downie Haines 	
20 21 22 23 24 25	varies, but it's until we have a comfort level that they know what they are doing and they know our K-Port system. That's when we approve them to do inspections on their own. And then lastly, from a field perspective, we have a — until we got the Monessen contract, it was a		21 22 23 24 25	 had been doing inspections at Clairton Coke Works? A. Between four and five years for all there were three of them, so all three of them. Q. Who are those inspectors? A. Walt Greenewald, Ed Cherepko, and Donnie Haines. 	

		693			695
1	${\sf Q}.$ Okay. If you could turn to Exhibit 15 in U.S.		1	communicate or to send data via the e-mails that	
2	Steel's Volume 1?		2	would be compatible with their system, with U.S. Steel's	
3	A. All right.		3	system. It's talking about some testing that we were	
4	Q. Do you see that e-mail at the bottom?		4	doing.	
5	A. Yes.		5	${\sf Q}. \ $ And what would the system allow in terms of data	
6	Q. Is that your e-mail?		6	transmission to U.S. Steel? What was the goal?	
7	A. Yes.		7	A. The goal was to get data that is - that U.S.	
8	Q. Now, again, I think you had testified earlier,		8	Steel can manage into their system. Basically, I don't	
9	just a moment ago, that your firm does not determine		9	know what the process is, but it made a more clean way	
10	compliance; is that correct?		10	of taking our data and getting it into their system,	
11	A. We — I think that's correct on how you've stated		11	that they use to manage their - I guess their internal	
12	it. We do compare it on our monthly reports to the		12	complaint status and whatever they refer to that as.	
13	standards, but we just report it.		13	So it's more of a more real time and more probably	
14	Q. You just report it?		14	a lot less work for them.	
15	A. Yeah.		15	${\sf Q}.$ Okay, that's kind of what I was trying to	
16	${\bf Q}.$ Which basically, you do the inspections and		16	understand. This process that you've developed for U.S.	
17	report the results of those inspections?		17	Steel would allow a more real-time access to inspection	
18	A. Correct.		18	data?	
19	Q. Okay. You're not making any determinations as to		19	A. Yeah. So as soon as it's - my inspector	
20	whether or not any particular penalty is appropriate?		20	approves his work and sends it in to end review, they	
21	A. No, we do not.		21	get an e-mail, I believe it's e-mail, that they are -	
22	Q. Okay.		22	that is usable for - that they can use in their	
23	MR. WILLIS: Any objection to ACHD 26?		23	internal system.	
24	MR. DAUSCH: 26 is the e-mail that includes the		24	${\sf Q}.$ Okay. And the point of transmission is the	
25	quality insurance and audit program?		25	simultaneous transmission to Chuck Swallow for his	
1 2	MR. WILLIS: Correct. MR. DADSCH: No objection.		1 2	review? A. Yeah, So it's a different format. Chuck, when	
4	HEADING OFFICER SLATER. A26 is admitted		3	he sends the end mariow, it's in that portal still	
4	BY MR. WILLIS:		4	When data goes to U.S. Steel, it's in an e-mail format.	
5	O. The next document is going to be ACHD 27. And in		5	maybe Excel. I don't know if it is - what program is	
6	particular, if you would look to the Bates label 14591?		6	used, but it's something they can - they are able to	
7	A. Yes.		7	download into their system.	
8	Q. In the middle of that page, it looks like there		8	Q. If you were to send this data to the county,	
9	is an e-mail from you; is that correct?	1.5	9	would it be in PDF format?	
10	A. Yes.		10	A. No. Actually, the county does - I think Mr.	
11	Q. Who is it sent to?		11	Deluca gets an e-mail, I think it's only him, but it	
12	A. To Jonelle Scheetz, Dean Deluca and our software		12	might be others, gets an e-mail of the same, I believe,	
13	company, LaVon Johnson.		13	the same file that goes to U.S. Steel, just so our	
14	Q. Who is Jonelle Scheetz?		14	system is giving both parties the same data.	
15	A. She's our contact at U.S. Steel.		15	Q. So basically, both parties are getting	
16	Q_{\star} Okay. And what is this e-mail about? What are		16	fundamentally real-time data as to any visible emission	
17	we discussing here?		17	observations that are made by Keramida?	
18	A. Let me read it real quick.		18	A. That's correct.	
19	Q. Sure.		19	Q. Okay.	
20	A. Are you talking about is it the top one and/or		20	MR. WILLIS: That's all I have.	
21	both of them, because it looks like there are two?		21	HEARING OFFICER SLATER: Mr. Dausch?	
22	$Q_{\boldsymbol{\cdot}}$. There are two. If you could read both of them		22	Oh, any objection to the admission of A27?	
23	from you.		23	MR. DAUSCH: 27?	
24	A. They are both covering the upgrades to our		24	HEARING OFFICER SLATER: ACHD 27.	
25	custon-built software to allow our software to		25	MR. DAUSCH: No objection.	

Т

		697			699
1	HEARING OFFICER SLATER: Did you want to move for		1	$Q.\ $ Okay. And so it's not Keramida's intent, as a	
2	the admission of it?		2	private company, to make any compliance or violation	
3	MR. WILLIS: Well, I would move for the admission		3	determinations that would affect U.S. Steel?	
4	of it, yes.		4	A. That's fair to say, yes.	
5	HEARING OFFICER SLATER: Okay, A27 is admitted.		5	${\sf Q}.$ You would expect that the county would be doing	
6	MR. WILLIS: Thank you.		6	that work?	
7	CROSS-EXAMINATION		7	A. Yes.	
8	BY MR. DAUSCH:		8	Q_{\star} The county didn't provide Keramida with any	
9	Q. Mr. Harrington, Keramida is a private company?		9	training on determining compliance and following the	
10	A. Keramida is a private company.		10	source testing manual; is that fair?	
11	${\sf Q}.~$ And all of the inspectors that you employ are		11	A. I haven't seen the source testing manual.	
12	Method 303 certified?		12	${\sf Q}.$ Right. And so there was no training provided by	
13	A. No, just the ones that work at for the $-$		13	the county on the source testing manual?	
14	doing the 303 inspections are 303 certified, yes.		14	A. That's correct.	
15	Q_{\ast} Okay. So all of the inspectors that you employ		15	Q. Can you look at Exhibit 26, please?	
16	at Clairton to do the 303 inspections are certified?		16	A. Okay.	
17	A. That's correct.		17	${\sf Q}.$ And this is an audit program document that was	
18	$Q.\;$ And you make sure they are certified before you		18	sent to Mr. Dean DeLuca at the Allegheny County Health	
19	do any inspections?		19	Department?	
20	A. That's connect.		20	A. Yes.	
21	${\sf Q}.~$ And because they are following Method 303, they		21	Q. Can you look, sir, at page ACHD14078?	
22	have to follow the procedures of Method 303?		22	A. Yes.	
23	A. That's connect.		23	$Q.\;$ And do you see at the top of the page, there's a	
24	Q. It is mandatory?		24	paragraph?	
25	A. Yes.		25	A. Un-huh (affinative.)	
1 2	Q. Your inspectors can't deviate from Method 303?A. That's correct.		1 2	Q. It starts, "This monthly summary report"?A. Yes.	
2	A. There contect.		2	A. Ies.	
۵	Method 303 they want to follow on any given day?		4	data for compliance with the specific NESHAP and STP	
5	A That's correct		5	leakage standards " Do you see that?	
6	They are sudited to make sure they are following		5	A Vec	
7	Mathed 3032		7	And so this report that Karamida provided to the	
Ŕ	A That's correct		8	county says that Keramida will evaluate data for	
9	 You had mentioned that Keramida was not 		g	compliance with STP leakage standards?	
10	contracted for compliance: is that correct?		10	A. Yeah.	
11	A. That's correct.		11	O. Was that a mistake?	
12	0. And it wasn't contracted to determine whether or		12	A. We compare it. So, I mean, that's — the intent	
13	not there were violations on any given day?		13	of that sentence is we are going to provide it in a	
14	A. That's correct.		14	spreadsheet comparing it to the standards.	
15	Q. Your understanding is it would be inappropriate		15	Q. But not determine compliance?	
16	for a private company to make those kind of		16	A. Yeah, I'm not contracted Keramida is not	
17	determinations?		17	contracted to determine compliance.	
18	A. From a again, we compare the data in our		18	Q. Okay. And so the statement that Keramida would	
19	spreadsheets to the standards, so there is that		19	evaluate data for compliance, was that a mistake?	
20	information in our final reports, but it's just a you	2	20	A. No, we are evaluating the data. I think you can	
21	know, we do have a sheet that says, "SIP exceedance	2	21	fairly say, comparing it in a spreadsheet, we are	
22	sumary."	2	22	evaluating it but we are not we are not it's not a	
23	So we compare it and provide that information on	2	23	final determination of compliance.	
24	that sheet. But beyond that point, we that's where	2	24	$Q. \ \mbox{And is it Keramida's expectation that the county}$	
25	our responsibility stops, right there.	2	25	will also do its own independent evaluation of	

		701			703
1	Keramida's data to determine compliance?		1	HEARING OFFICER SLATER: Mr. Dausch?	
2	A. I think that's fair to say.		2	MR. DAUSCH: Nothing further.	
3	${\bf Q}.$ Okay. And that's your expectation with providing		3	HEARING OFFICER SLATER: All right. Mr.	
4	the data, is that the county would be the one to make		4 Harı	ington, you may step down.	
5	determinations about compliance and violations, not a		5	MR. HARRINGION: Thank you.	
6	private company like Keramida?		6	HEARING OFFICER SLATER: Mr. Willis, you may call	
7	A. Yes. But I don't know their systems. But I		7 your	next witness.	
8	would think that would be fair to say.		8	MR. WILLIS: We call our final witness, Mr.	
9	Q. All right.		9 Gree	newald.	
10	MR. DAUSCH: That's all I have. Thank you, sir.	1	0	WALTER GREENEWALD, called as a witness, being	
11	HEARING OFFICER SLATER: Mr. Willis, any	1	1 d	ulv sworn by the court reporter, testified as	
12	redirect?	1	2 f	ollows:	
13	MR. WILLIS: Yes.	1	3	DIRECT FXAMINATION	
14	REDIRECT FYAMINATION	1	4 BY M	R MILLIS.	
15	RY MD MITITC.	1	5 (Cood afternoon How are you doing?	
16	O login on the compliance issue you transmit this	1	6 1	Cood How are doing?	
17	deta to U.C. to Allechery County Health Department	1		Good. Now are you doing:	
10	data to 0.5 to Allegheny councy Health Department,		/ ·	2. Pretty good. Courd you state your name for the	
10	correct?		o reco		
19	A. Correct.		9 4	A. First name is Walter, middle name is John, Last	
20	Q. They have not asked you or the Department has	2) name	15 Greenewald.	
	not asked you to determine whether or not there is an	2		2. Could you spell your last name?	
22	actual violation for purposes of an enforcement action,	2		A. G -R-E-E-N-E-W-A- L-D.	
23	have they?	2	3 (2. Okay. Mr. Greenewald, where are you employed?	
24	A. No.	2	4 A	A. At the Clairton Works facility.	
25	Q. But you are capable of reading the standard and	2	о (. Who is your employer?	
1	measuring the standard against what you see in your inspections?	702	L A 2 C	. Keramida Environmental.). I want to do a little background with you. Where	704
1 2 3	measuring the standard against what you see in your inspections? A. Yes.	702	L A 2 C 3 did y	 Keramida Environmental. I want to do a little background with you. Where you go to high school? 	704
1 2 3 4	measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to	702	L A 2 C 3 did <u>1</u> 4 A	 Keramida Environmental. I want to do a little background with you. Where you go to high school? South Allegheny, which is in Mixeesport, 	704
1 2 3 4 5	<pre>measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections?</pre>	702	L A 2 C 3 did <u>1</u> 4 A	 Keramida Environmental. I want to do a little background with you. Where you go to high school? South Allegheny, which is in Mixeesport, sylvania. 	704
1 2 3 4 5 6	<pre>measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes.</pre>	702	L A 2 C 3 did <u>y</u> 4 A 5 Perms	 Keranida Environmental. I want to do a little background with you. Where you go to high school? South Allegheny, which is in Mikeesport, ylvania. Okay. What county would that be? 	704
1 2 3 4 5 6 7	<pre>measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, "We noticed</pre>	702	L A 2 C 3 did y 4 A 5 Perms 5 C	 Keramida Environmental. I want to do a little background with you. Where you go to high school? South Allegheny, which is in Mikesport, glvania. Okay. What county would that be? Allegheny. 	704
1 2 3 4 5 6 7 8	<pre>measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, "We noticed that there are 27 violations with respect to the Battery</pre>	702	L A 2 C 3 did y 1 A 5 Perms 5 C 7 A 8 C	 Keramida Environmental. I want to do a little background with you. Where you go to high school? South Allegheny, which is in Mixeesport, glvania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal 	704
1 2 3 4 5 6 7 8 9	<pre>measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, "We noticed that there are 27 violations with respect to the Battery B coke side," under 3032</pre>	702	L A 2 C 3 did <u>y</u> 4 A 5 Penns 5 C 7 A 3 C	 Keranida Environmental. I want to do a little background with you. Where you go to high school? South Allegheny, which is in Mikeesport, allegheny. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal ation? 	704
1 2 3 4 5 6 7 8 9	 measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, "We noticed that there are 27 violations with respect to the Battery B coke side," under 303? A. The degree we put it in our superstruct on the second secon	702	L A 2 C 3 did y 4 A 5 Penns 5 C 7 A 8 C 9 educz	 Keranida Environmental. I want to do a little background with you. Where you go to high school? South Allegheny, which is in Mikesport, glvania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal ation? Yeab. I went to electronic achool back in '90. 	704
1 2 3 4 5 6 7 8 9 10	 measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, "We noticed that there are 27 violations with respect to the Battery B coke side," under 303? A. To the degree we put it in our spreadsheet on the STP enverting summary. that's to that's what we 	702	L A 2 C 3 did y 4 A 5 Perns 5 C 7 A 8 C 9 educz 0 A	 Keramida Environmental. I want to do a little background with you. Where you go to high school? South Allegheny, which is in Mikessport, glvania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal ation? Yeah, I went to electronic school back in '90. 	704
1 2 3 4 5 6 7 8 9 10 11	 measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, "We noticed that there are 27 violations with respect to the Battery B coke side," under 303? A. To the degree we put it in our spreadsheet on the SIP exceedance summary, that's to — that's what we provide 	702	L A 2 C 3 did y 4 A 5 Perns 5 C 7 A 8 C 9 educz 0 A 1 C	 Keranida Environmental. I want to do a little background with you. Where you go to high school? South Allegheny, which is in MiKeesport, nylvania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal action? Yeah, I went to electronic school back in '90. What did you focus on when you were in electronic school back in '90. 	704
1 2 3 4 5 6 7 8 9 10 11 12	 measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, "We noticed that there are 27 violations with respect to the Battery B coke side," under 303? A. To the degree we put it in our spreadsheet on the SIP exceedance summary, that's to — that's what we provide. 	702	L A 2 C 3 did <u>1</u> 4 A 5 Penns 5 C 7 A 8 C 9 educz 0 A 2 School	 Keranida Environmental. I want to do a little background with you. Where you go to high school? South Allegheny, which is in Mikeesport, glvania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal attion? Yeah, I went to electronic school back in '90. What did you focus on when you were in electronic of? 	704
1 2 3 4 5 6 7 8 9 10 11 12 13	 measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, "We noticed that there are 27 violations with respect to the Battery B coke side," under 303? A. To the degree we put it in our spreadsheet on the STP exceedance summary, that's to - that's what we provide. So repeat your question so I can understand it if Us another is the set of the set of	702 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 A 2 C 3 did y 4 A 5 Penns 5 C 7 A 8 C 9 educz 10 A 11 C 12 school 13 A	 Keranida Environmental. I want to do a little background with you. Where you go to high school? South Allegheny, which is in Mikeesport, glvania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal action? Yeah, I went to electronic school back in '90. What did you focus on when you were in electronic bl? To be an electronic technician. 	704
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, "We noticed that there are 27 violations with respect to the Battery B coke side," under 303? A. To the degree we put it in our spreadsheet on the SIP exceedance summary, that's to — that's what we provide. So repeat your question so I can understand it if I'm answering it properly. 	702	1 A 2 C 3 did y 4 A 5 Perms 5 C 7 A 8 C 9 educa 10 A 12 school 13 A 14 A	 Keranida Environmental. I want to do a little background with you. Where you go to high school? South Allegheny, which is in Mikessport, glvania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal action? Yeah, I went to electronic school back in '90. What did you focus on when you were in electronic of? To be an electronic technician. Okay. Did you graduate? 	704
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, "We noticed that there are 27 violations with respect to the Battery B coke side," under 303? A. To the degree we put it in our spreadsheet on the SIP exceedance summary, that's to - that's what we provide. So repeat your question so I can understand it if I'm answering it properly. Q. You are not telling the county that there are 	702 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	L A 2 C 3 did <u>1</u> 4 A 5 Penns 5 C 7 A 8 C 9 educa 9 educa 9 educa 9 educa 9 educa 9 A 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C	 Keranida Environmental. I want to do a little background with you. Where you go to high school? South Allegheny, which is in MiKeesport, and an and a school of the school	704
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, "We noticed that there are 27 violations with respect to the Battery B coke side," under 303? A. To the degree we put it in our spreadsheet on the SIP exceedance summary, that's to - that's what we provide. So repeat your question so I can understand it if I'm answering it properly. Q. You are not telling the county that there are actual violations, you are looking at leaks? 	702 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	L A 2 C 3 did <u>1</u> 4 A 5 Penns 5 C 7 A 8 C 9 educz 2 schoo 2 schoo 4 A 5 C 1 A 4 C 4 A 5 C	 Keranida Environmental. I want to do a little background with you. Where you go to high school? South Allegheny, which is in Mikeesport, glvania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal atton? Yeah, I went to electronic school back in '90. What did you focus on when you were in electronic back. Okay. Did you graduate? No, I just got some credits now, so Okay. Have you had any formal training after you 	704
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, "We noticed that there are 27 violations with respect to the Battery B coke side," under 303? A. To the degree we put it in our spreadsheet on the STP exceedance summary, that's to - that's what we provide. So repeat your question so I can understand it if I'm answering it properly. Q. You are not telling the county that there are actual violations, you are looking at leaks? A. Yeah, we are not telling we are not saying 	702 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	a did y did y did y did y did y did y did y A for Perns 5 C 7 A C 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C	 Keranida Environmental. I want to do a little background with you. Where you go to high school? South Allegheny, which is in Mikesport, glvania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal action? Yeah, I went to electronic school back in '90. What did you focus on when you were in electronic bl? To be an electronic technician. Okay. Did you graduate? No, I just got some credits now, so Okay. Have you had any formal training after you sut of that? 	704
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, "We noticed that there are 27 violations with respect to the Battery B coke side," under 303? A. To the degree we put it in our spreadsheet on the SIP exceedance summary, that's to - that's what we provide. So repeat your question so I can understand it if i'm answering it properly. Q. You are not telling the county that there are actual violations, you are looking at leaks? A. Yeah, we are not telling we are not saying there is a violation. We are saying the data that we 	702 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	L A 2 C 3 did y 4 A 5 Perns 5 C 7 A 8 C 9 educe 8 C 9 educe 9	 A. Keranida Environmental. J. I want to do a little background with you. Where you go to high school? A. South Allegheny, which is in MtKeesport, gylvania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal ation? Yeah, I went to electronic school beck in '90. What did you focus on when you were in electronic of? To be an electronic technician. Okay. Did you graduate? No, I just got some credits now, so Okay. Have you had any formal training after you nut of that? Yeah, a state certified fireman, EMT, Haznat 	704
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, "We noticed that there are 27 violations with respect to the Battery B coke side," under 303? A. To the degree we put it in our spreadsheet on the SIP exceedance summary, that's to - that's what we provide. So repeat your question so I can understand it if i'm answering it properly. Q. You are not telling the county that there are actual violations, you are looking at leaks? A. Yeah, we are not talling we are not saying there is a violation. We are saying the data that we are evaluating against the SIP standards, here is how 	702 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 A 2 C 3 did 1 4 A 5 C 6 Penns 5 C 7 A 8 C 9 educa 9 educa <td< td=""><td> Keranida Environmental. I want to do a little background with you. Where you go to high school? South Allegheny, which is in Mikeesport, glvania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal atton? Yeah, I went to electronic school back in '90. What did you focus on when you were in electronic of? To be an electronic technician. Okay. Did you graduate? No, I just got some credits now, so Okay. Have you had any formal training after you aut of that? Yeah, a state certified fireman, EMT, Hazmat inian certified in confined space, advance rope </td><td>704</td></td<>	 Keranida Environmental. I want to do a little background with you. Where you go to high school? South Allegheny, which is in Mikeesport, glvania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal atton? Yeah, I went to electronic school back in '90. What did you focus on when you were in electronic of? To be an electronic technician. Okay. Did you graduate? No, I just got some credits now, so Okay. Have you had any formal training after you aut of that? Yeah, a state certified fireman, EMT, Hazmat inian certified in confined space, advance rope 	704
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, 'We noticed that there are 27 violations with respect to the Battery B coke side," under 303? A. To the degree we put it in our spreadsheet on the SIP ecceedance summary, that's to - that's what we provide. So repeat your question so I can understand it if fit answering it properly. Q. You are not telling the county that there are actual violations, you are looking at leaks? A. Yeah, we are not telling we are not saying there is a violation. We are saying the data that we are evaluating against the SIP standards, here is how they compare. 	702 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 A 2 C 3 did 1 4 A 5 Penns 5 C 7 A 8 C 9 educz 9 A 9 C 9 A 9 C 9 A 9 C 9 A 9 C 9 A 9 C 9 <t< td=""><td> A. Keranida Environmental. J. I want to do a little background with you. Where you go to high school? A. South Allegheny, which is in Mikeesport, glvania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal ation? Yeah, I went to electronic school back in '90. What did you focus on when you were in electronic back? No I just got some credits now, so Okay. Have you had any formal training after you nut of that? Yeah, a state certified fireman, EMT, Hazmat incian certified in confined space, advance rope a, a couple other ones that I can't think of, </td><td>704</td></t<>	 A. Keranida Environmental. J. I want to do a little background with you. Where you go to high school? A. South Allegheny, which is in Mikeesport, glvania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal ation? Yeah, I went to electronic school back in '90. What did you focus on when you were in electronic back? No I just got some credits now, so Okay. Have you had any formal training after you nut of that? Yeah, a state certified fireman, EMT, Hazmat incian certified in confined space, advance rope a, a couple other ones that I can't think of, 	704
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, "We noticed that there are 27 violations with respect to the Battery B coke side," under 303? A. To the degree we put it in our spreadsheet on the SIP exceedance summary, that's to - that's what we provide. So repeat your question so I can understand it if I'm answering it properly. Q. You are not telling the county that there are actual violations, you are looking at leaks? A. Yeah, we are not telling we are not saying there is a violation. We are saying the data that we are evaluating against the SIP standards, here is how they compare. Q. Right. But you are not directing the county as 	702 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	a did y did y dididididididididididididididididididi	 A. Keranida Environmental. J. I want to do a little background with you. Where you go to high school? A. South Allegheny, which is in Mikesport, glyania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal action? Yeah, I went to electronic school back in '90. What did you focus on when you were in electronic bl? To be an electronic technician. Okay. Did you graduate? No, I just got some credits now, so Okay. Have you had any formal training after you sut of that? Yeah, a state certified fireman, EMT, Hazmat ician certified in confined space, advance rope a, a couple other ones that I can't think of, 	704
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, "We noticed that there are 27 violations with respect to the Battery B coke side," under 303? A. To the degree we put it in our spreadsheet on the SIP exceedance summary, that's to - that's what we provide. So repeat your question so I can understand it if fin answering it properly. Q. You are not telling the county that there are actual violations, you are looking at leaks? A. Yeah, we are not telling we are not saying there is a violation. We are saying the data that we are evaluating against the SIP standards, here is how tay compare. Q. Right. But you are not directing the county as to do with that information? 	702 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 A 2 C 3 did y 4 A 5 Perms 5 C 7 A 8 C 9 educa	 A. Keranida Environmental. J. I want to do a little background with you. Where you go to high school? A. South Allegheny, which is in MtKeesport, glyvania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal ation? Yeah, I went to electronic school beck in '90. What did you focus on when you were in electronic of? To be an electronic technician. Okay. Did you graduate? No, I just got some credits now, so Okay. Have you had any formal training after you nut of that? Yeah, a state certified fireman, EMT, Haznat incian certified in confined space, advance rope a, a couple other ones that I can't think of, Are you Method 303 certified? 	704
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, 'We noticed that there are 27 violations with respect to the Battery b coke side,'' under 303? A. Yoe the degree we put it in our spreadsheet on the SIP exceedance summary, that's to - that's what we provide. Q. You are not telling the county that there are actual violations, you are looking at leaks? A. Yeeh, we are not talling we are not saying there is a violation. We are saying the data that we are evaluating against the SIP standards, here is how to compare. Q. Right. But you are not directing the county as to do with that information? A. No, Keramida does not. 	702 2 2 2 2 2 2 2 2 2 2 2 2 2 3 2 2 2 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 3 3 4 4 5 5 3 4 4 5 5 6 6 9 9 10 9 10 9 10 9 10 9 10 10 10 10 10 10 10 10 10 10 10 10 10	1 A 2 C 3 did 1 4 A 5 Penns 5 C 6 Penns 5 C 7 A 8 C 9 educz 9 educz <td< td=""><td> A. Keranida Environmental. A. I want to do a little background with you. Where you go to high school? A. South Allegheny, which is in Mikeesport, glvania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal atton? Yeah, I went to electronic school back in '90. What did you focus on when you were in electronic back? No, I just got some credits now, so Okay. Have you had any formal training after you nut of that? Yeah, a state certified fireman, EMT, Haznat indian certified in confined space, advance rope a, a couple other ones that I can't think of, Are you Method 303 certified? Yee, I am. </td><td>704</td></td<>	 A. Keranida Environmental. A. I want to do a little background with you. Where you go to high school? A. South Allegheny, which is in Mikeesport, glvania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal atton? Yeah, I went to electronic school back in '90. What did you focus on when you were in electronic back? No, I just got some credits now, so Okay. Have you had any formal training after you nut of that? Yeah, a state certified fireman, EMT, Haznat indian certified in confined space, advance rope a, a couple other ones that I can't think of, Are you Method 303 certified? Yee, I am. 	704
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 measuring the standard against what you see in your inspections? A. Yes. Q. And that's part of the auditing process, to ensure the quality of the inspections? A. Yes. Q. But you don't turn around and say, "We noticed that there are 27 violations with respect to the Battery b coke side," under 303? A. To the degree we put it in our spreadsheet on the SIP exceedance summary, that's to - that's what we provide. So repeat your question so I can understand it if in answering it properly. Q. You are not telling the county that there are actual violations, you are looking at leaks? A. Yesh, we are not talling we are not saying there is a violation. We are saying the data that we are evaluating against the SIP standards, here is how they compare. Q. Right. But you are not directing the county as to do with that information? A. No, Keramida does not. Q. Okay. 	702 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	a did y did y A A Ferms F Perms F C F A C C C C C C C C C C C C C C C C C C C	 A. Keranida Environmental. J. I want to do a little background with you. Where you go to high school? A. South Allegheny, which is in Mikeesport, glvania. Okay. What county would that be? Allegheny. Okay. After high school, did you have any formal atton? Yeah, I went to electronic school back in '90. What did you focus on when you were in electronic bl? To be an electronic technician. Okay. Did you graduate? No, I just got some credits now, so Okay. Have you had any formal training after you but of that? Yeah, a state certified fireman, EMT, Hazmat inclain certified in confined space, advance rope a, a couple other ones that I can't think of, Are you Method 303 certified? Yee, I am. How long have you been Method 303 certified? 	704

		705			707
1	Q. Have you ever been Method 9 certified?	:	1 A	No.	
2	A. Yes.	2	2 C	. They've moved on?	
3	Q. For how long?		3 A	. He had some health problems.	
4	A. Probably around February of 2014.	4	4 C	. Is he well now currently?	
5	${\sf Q}.$ Okay. How long have you worked for Keramida?	Ę	5 A	. No, huh-uh (negative.)	
6	A. Two years.	6	6 Q	. Okay. Sorry to hear that.	
7	${\sf Q}.~$ And what have you done in that capacity with	1	7 A	. Thank you.	
8	Keramida?	8	3 Q	. Could you describe to me what your typical day is	
9	A. Method 303 inspections at the Clairton Works	S) in te	erms of your inspection from the time you get to	
10	facility and ArcelorMittal in Monessen, in Monessen,	10) Clair	ton Coke Works until you leave your shift?	
11	Pennsylvania.	11	L A	. I get to the work trailer, and I put on my	
12	Q. You do both facilities?	12	perso	nal protective equipment.	
13	A. Yes, sir.	13	g Q	. What time?	
14	Q. The same inspection type?	14	A	. My	
15	A. Yes.	15	5 Q	. I'm sorry, what time do you get there?	
16	Q. Okay. Prior to working for Keramida, where did	16	5 A	. Oh, it varies. It could be like two o'clock,	
17	you work?	17	four.		
18	A. I worked for Veolia North America.	18	Q	. In the afternoon?	
19	Q. How long did you work for them?	19	A	. In the afternoon.	
20	A. A little over two years.	20	Q	. What is your shift? If you are coming in at two	
21	Q. Okay. And what did you do for them?	21	. o'clo	ck, when did your shift end?	
22	A. I did Method 9, Method 303, and water sampling.	22	A	Whenever we are done with the inspections.	
23	O. Did you do that at Clairton Coke Works?	23	Usual	ly, we have three batteries. Sometimes one day a	
24	A. Yes.	24	week.	we get four batteries. So however long it takes.	
25	O. Okav. All three methods, all three inspection	25	0	. Okav. Now, feel free to continue on with your	
	~ ,				
F					
		706			708
1	types?	1	typic	al day.	
2	A. Yes, that's connect.	2	A.	Typical day is I get my PPE on, grab the Keyport	
3	Q. Okay. And prior to working for Veolia, where did	3	log ir	1.	
4	you work?	4	Q	Is that the tablet?	
5	A. I did landscaping.	5	A.	That's the tablet.	
6	Q. Okay. For an employer?	6	Q.	Okay.	
7	A, Yes.	7	A.	And then I drive off to the battery that's on the	
8	Q. Who was your employer then?	8	work a	chedule.	
9	A. Four Seasons Landscaping.	9	Q.	Okay. And once you get to the battery, what do	
10	Q. How long did you do that?	10	you da	o?	
11	A. Approximately 10 years.	11	A.	Go into the foreman's office. I will give him a	
12	O. Okav. I'm curious, why did you move from Veolia	12	work r	ermit and he'll sion it. And then I'll get all	
13	to Keramida?	13	the or	t-of-service ovens and ask him is it safe on the	
14	A. Ch. the work was in Apollo. So I worked at	14	topsic	e to inspect. And then he will let the cnew know	
15	Clairton Works, prior to doing landscaping. for same	15	that T	'm on my way up, Sometimes I'll do doors first.	
16	years for plant protection.	16	You km	ow. I will mix it up sometimes. you know?	
17	I did EMS, fire and reacte, and Harmet and a	17	0	Oh. you'll mix it up. won't do it the same way	
18	friend of mine asked ma if I was interested in you	18	ערופוזק	time?	
19	know, a new job at Clairton Works. They needed an	19	A	No. huh-uh (negative.)	
		120			

21

22

23

on the topside.

19 know, a new job at Clairton Works. They needed an 20 inspector.

Q. Was that person also an inspector at Clairton?
A. yes.
Q. Who is that individual?

24 A. John Lewis.

25 Q. Is that person still an inspector?

24 Q. To your understanding, does Method 303 require

A. No, just personal preference. Like, I'll walk

the doors or I'll just go up on the topside and inspect

25 you to do the inspection in any particular order?

Q. Any particular reason why?

			709			711
1	A. No.			1	${f Q}.$ And it's not required by the ACHD specifically?	
2	Q. Okay	. To your understanding, how many inspectors		2	A. (No response.)	
3	are there fo	r Veolia at U.S. Steel Clairton?		3	Q. It's not an ACHD inspection?	
4	A. That	, I don't know right now. Maybe six or		4	A. No, huh-uh (negative,) just Method 303.	
5	seven.			5	Q. I'm sorry. If you could continue with your	
6	Q. Okay	. Do you work with all six at the same time?		6	typical day. You've now gotten to the battery, you've	
7	A. No, 1	wh-wh (negative.)		7	picked your starting point. What happens after you	
8	Q. Are	there shifts in which there are other		8	begin your inspection day?	
9	inspectors w	orking?		9	A. Oh, I'll get a schedule on what they're pushing,	
10	A. You n	mean in Veolia, or		10	what ovens are going to be pushing, and then — so say I	
11	Q. No, 1	for Keramida, I'm sorry.		11	head on the topside and I'll do a traverse. Like, I'll	
12	A. No, t	there's usually just one per shift.		12	walk, like, the pusher side and look at offtakes and	
13	Q. One :	inspector per shift?		13	then walk the coke side, look at offtakes and caps. And	
14	A. Yes.			14	then I'll do a third traverse where I look at lids, make	
15	Q. How n	many shifts are there?		15	sure, you know, there ain't no visible emissions.	
16	A. There	are three shifts.		16	Q. When you were certified by for Method 9, were	
17	Q. What	are the shifts time-wise?		17	there panel members who certified you?	
18	A. Like	eight to four, sometimes two to ten or four		18	A. No. We want, like, to, like, a Smoke School	
19	to twelve, and	d then we got the michight shift from		19	where we observed different plumes of smoke, like a	
20	twelve to eig	ht.		20	black plume and a white plume of anoke. And we would	
21	Q. So yo	ou have an overnight shift		21	give an opacity, a percentage, and then we would get	
22	A. Yes.	and the region of some backs design when a		22	graded on it.	
23	Q da	ing inspections on each of the batteries?		23	Q. And you do that twice a year?	
24	A. Yes,	that's correct, uh-huh (affirmative.)		24	A. I think I believe it was every six months, I	
25	Q. Okay.	And you do this seven days a week?		25	think so.	
-						
			710			712
1	A. No, f	ive days a week.	710	1	Q. Okay. But for 303, is that a similar pattern	712
1 2	A. No, f. Q. Okay.	ive days a week. But to your understanding, Keramida does	710	1 2	Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified	712
1 2 3	A. No, f. Q. Okay. inspections s	ive days a week. But to your understanding, Keramida does even days a week?	710	1 2 3	Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303?	712
1 2 3 4	A. No, f. Q. Okay. inspections s A. seven	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep.	710	1 2 3 4	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We — it's every three years, and we go in front 	712
1 2 3 4 5	A. No, f. Q. Okay. inspections s A. Seven Q. Are y	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday?	710	1 2 3 4 5	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We — it's every three years, and we go in front of a panel of three panel members and then — well, 	712
1 2 3 4 5 6	A. No, f. Q. Okay. inspections s A. Seven Q. Are y A. Yes.	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday?	710	1 2 3 4 5 6	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We — it's every three years, and we go in front of a panel of three panel members and then — well, there's classroom first. 	712
1 2 3 4 5 6 7	A. No, f: Q. Okay. inspections s A. Seven Q. Are y A. Yes. Q. Okay.	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday? So there's somebody else who would work on	710	1 2 3 4 5 6 7	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We — it's every three years, and we go in front of a panel of three panel members and then — well, there's classroom first. And then once we get done with the classroom, it 	712
1 2 3 4 5 6 7 8	A. No, f: Q. Okay. inspections s A. Seven Q. Are y A. Yes. Q. Okay. the weekends?	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday? So there's somebody else who would work on	710	1 2 3 4 5 6 7 8	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We — it's every three years, and we go in front of a panel of three panel members and then — well, there's classroom first. And then once we get done with the classroom, it is, like, a three-day class. And then the last day, we 	712
1 2 3 4 5 6 7 8 9	A. No, f. Q. Okay. inspections s A. seven Q. Are y A. Yes. Q. Okay. the weekends? A. Yes, the weekends?	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday? So there's somebody else who would work on chat's correct, un-huh (affirmative.)	710	1 2 3 4 5 6 7 8 9	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We — it's every three years, and we go in front of a panel of three panel members and then — well, there's classroom first. And then once we get done with the classroom, it is, like, a three-day class. And then the last day, we demonstrate our inspections, you know, doing charging, 	712
1 2 4 5 6 7 8 9 10	A. No, f. Q. Okay. inspections s A. Seven Q. Are y A. Yes. Q. Okay. the weekends? A. Yee, t Q. Do you	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday? So there's somebody else who would work on that's correct, uh-huh (affinative.) u know who that individual is?	710	1 2 3 4 5 6 7 8 9	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We it's every three years, and we go in front of a panel of three panel members and then well, there's classroom first. And then once we get done with the classroom, it is, like, a three-day class. And then the last day, we demonstrate our inspections, you know, doing the offtakes. 	712
1 2 3 4 5 6 7 8 9 10 11	A. No, f: Q. Okay. inspections s A. seven Q. Are y A. Yes. Q. Okay. the weekends? A. Yes, f Q. Do you A. Yesh,	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday? So there's samebody else who would work on that's correct, uh-huh (affinative.) u know who that individual is? that would be inspector Mark Dvorksy and Ed	710	1 2 3 4 5 6 7 8 9 10 11	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We — it's every three years, and we go in front of a panel of three panel members and then — well, there's classroom first. And then once we get done with the classroom, it is, like, a three-day class. And then the last day, we demonstrate our inspections, you know, doing charging, you know, doing the offtakes. Q. I'm sorry, I didn't mean to interrupt. Who were 	712
1 2 3 4 5 6 7 8 9 10 11 12	A. No, f. Q. Okay. inspections s A. seven Q. Are y A. Yes. Q. Okay. the weekends? A. Yes, the Q. Do you A. Yesh, Cherepko.	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday? So there's somebody else who would work on that's correct, un-huh (affirmative.) u know who that individual is? that would be inspector Mark Dvorksy and Ed	710	1 2 3 4 5 6 7 8 9 10 11 12	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We — it's every three years, and we go in front of a panel of three panel members and then — well, there's classroom first. And then once we get done with the classroom, it is, like, a three-day class. And then the last day, we demonstrate our inspections, you know, doing charging, you know, doing the offtakes. Q. I'm sorry, I didn't mean to interrupt. Who were the panel members when you were certified? Do you 	712
1 2 3 4 5 6 7 8 9 10 11 12 13	A. No, f. Q. Okay. inspections s A. Seven Q. Are y A. Yes. Q. Okay. the weekends? A. Yesh, Q. Do you A. Yesh, Chercepko. Q. Okay.	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday? So there's somebody else who would work on that's correct, uh-huh (affinative.) u know who that individual is? that would be inspector Mark Dvocksy and Ed	710	1 2 3 4 5 6 7 8 9 10 11 12 13	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We — it's every three years, and we go in front of a panel of three panel members and then — well, there's classroom first. And then once we get done with the classroom, it is, like, a three-day class. And then the last day, we demonstrate our inspections, you know, doing charging, you know, doing the offtakes. Q. I'm sorry, I didn't mean to interrupt. Who were the panel members when you were certified? Do you remember who any of the panel members were? 	712
1 2 3 4 5 6 7 8 9 10 11 12 13 14	A. No, f: Q. Okay. inspections s A. seven Q. Are y A. Yes. Q. Okay. the weekends? A. Yes, f Q. Do you A. Yesh, Cherepko. Q. Okay. inspections w	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday? So there's samebody else who would work on that's correct, uh-huh (affimative.) u know who that individual is? that would be inspector Mark Dvocksy and Ed When you were with Veolia, what type of ere you doing?	710	1 2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We — it's every three years, and we go in front of a panel of three panel members and then — well, there's classroom first. And then once we get done with the classroom, it is, like, a three-day class. And then the last day, we demonstrate our inspections, you know, doing charging, you know, doing the offtakes. Q. I'm sorry, I didn't mean to interrupt. Who were the panel members when you were certified? Do you remember who any of the panel members were? A. Jerry Crowder, it's Jerry Crowder Environmental, 	712
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. No, f. Q. Okay. inspections s A. seven Q. Are y A. Yes. Q. Okay. the weekends? A. Yes, f Q. Do you A. Yesh, Cherepto. Q. Okay. inspections w A. I was	ive days a week. But to your understanding, Keramida does even days a week? days a week? days a week, yep. ou always working Monday through Friday? So there's somebody else who would work on that's correct, uh-huh (affimative.) u know who that individual is? that would be inspector Mark Dvorksy and Ed When you were with Veolia, what type of ere you doing? doing the Method 9, observing the pushing	710	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We — it's every three years, and we go in front of a panel of three panel members and then — well, there's classroom first. And then once we get done with the classroom, it is, like, a three-day class. And then the last day, we demonstrate our inspections, you know, doing charging, you know, doing the offtakes. Q. I'm sorry, I didn't mean to interrupt. Who were the panel members when you were certified? Do you remember who any of the panel members were? A. Jerry Crowder, it's Jerry Crowder Environmental, and then there was Beryl Denne. I think Gino was at the 	712
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. No, f. Q. Okay. inspections s A. Seven Q. Are y A. Yes. Q. Okay. the weekends? A. Yesh, Q. Do you A. Yesh, Cherepko. Q. Okay. inspections w A. I was of coke into h	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday? So there's somebody else who would work on that's correct, uh-huh (affinative.) u know who that individual is? that would be inspector Mark Dvorksy and Ed When you were with Veolia, what type of ere you doing? doing the Method 9, observing the pushing ot cars and observing them going to the	710	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We — it's every three years, and we go in front of a panel of three panel members and then — well, there's classroom first. And then once we get done with the classroom, it is, like, a three-day class. And then the last day, we demonstrate our inspections, you know, doing charging, you know, doing the offtakes. Q. I'm sorry, I didn't mean to interrupt. Who were the panel members when you were certified? Do you remember who any of the panel members were? A. Jerry Crowder, it's Jerry Crowder Environmental, and then there wes Beryl Derne. I think Gino was at the last class, and I forget his last name. 	712
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. No, f. Q. Okay. inspections s A. Seven Q. Are y A. Yes. Q. Okay. the weekends? A. Yes, t Q. Do you A. Yesh, Cherepko. Q. Okay. inspections w A. I was of coke into h quench tower.	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday? So there's somebody else who would work on that's correct, uh-huh (affirmative.) u know who that individual is? that would be inspector Mark Dvorksy and Ed When you were with Veolia, what type of ere you doing? doing the Method 9, observing the pushing ot cars and observing then going to the	710	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We — it's every three years, and we go in front of a panel of three panel members and then — well, there's classroom first. And then once we get done with the classroom, it is, like, a three-day class. And then the last day, we demonstrate our inspections, you know, doing charging, you know, doing the offtakes. Q. I'm sorry, I didn't mean to interrupt. Who were the panel members when you were certified? Do you remember who any of the panel members were? A. Jerry Crowder, it's Jerry Crowder Environmental, and then there was Beryl Denne. I think Gino was at the last class, and I forget his last name. Q. Have you ever known Angela Crowley to be a panel. 	712
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. No. f. Q. Okay. inspections is A. Seven Q. Are y A. Yes. Q. Okay. the weekends? A. Yes. Q. Do you A. Yes. Q. Do you A. Yes. Cherepto: A. Yes. A. Yes. A. Yes. Q. Okay. inspections we A. I was of coke into h quench tower.	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday? So there's somebody else who would work on that's correct, uh-huh (affimative.) u know who that individual is? that would be inspector Mark Dvorksy and Ed When you were with Veolia, what type of ere you doing? doing the Method 9, observing the pushing ot cars and observing them going to the doing the Method 303. I was doing one to	710	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We — it's every three years, and we go in front of a panel of three panel members and then — well, there's classroom first. And then once we get done with the classroom, it is, like, a three-day class. And then the last day, we demonstrate our inspections, you know, doing charging, you know, doing the offtakes. Q. I'm sorry, I didn't mean to interrupt. Who were the panel members when you were certified? Do you remember who any of the panel members were? A. Jerry Crowder, it's Jerry Crowder Environmental, and then there was Beryl Denne. I think Gino was at the last class, and I forget his last name. Q. Have you ever known Angela Crowley to be a panel member of any of the method certifications? 	712
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	A. No, f. Q. Okay. inspections s A. seven Q. Are y A. Yes. Q. Okay. the weekends? A. Yes, f Q. Do you A. Yesh, Cherepko. Q. Okay. inspections w A. I was of coke into h quench tower. I was	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday? So there's somebody else who would work on that's correct, uh-huh (affineative.) a know who that individual is? that would be inspector Mark Dvorksy and Ed When you were with Veolia, what type of ere you doing? doing the Method 9, observing the pushing ot cars and observing them going to the doing the Method 303. I was doing one to amissions and its water sampling.	710	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We - it's every three years, and we go in front of a panel of three panel members and then - well, there's classroom first. And then once we get done with the classroom, it is, like, a three-day class. And then the last day, we demonstrate our inspections, you know, doing charging, you know, doing the offtakes. Q. I'm sorry, I didn't mean to interrupt. Who were the panel members when you were certified? Do you remember who any of the panel members were? A. Jerry Crowder, it's Jerry Crowder Environmental, and then there was Beryl Denne. I think Gino was at the last class, and I forget his last name. Q. Have you ever known Angela Crowley to be a panel member of any of the method certifications? A. I don't think I've ever had her in class, huh-uh 	712
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. No, f. Q. Okay. inspections is A. Seven Q. Are y A. Yes. Q. Okay. the weekends? A. Yesh, Q. Do you A. Yesh, Cherepko. Q. Okay. inspections w A. I was of coke into h quench tower. I was	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday? So there's somebody else who would work on that's correct, uh-huh (affirmative.) u know who that individual is? that would be inspector Mark Dvorksy and Ed When you were with Veolia, what type of ere you doing? doing the Method 9, observing the pushing ot cars and observing then going to the doing the Method 303. I was doing one to amissions and its water sampling. And then back to Keramida, you're doing	710	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We it's every three years, and we go in front of a panel of three panel members and then well, there's classroom first. And then once we get done with the classroom, it is, like, a three-day class. And then the last day, we demonstrate our inspections, you know, doing charging, you know, doing the offtakes. Q. I'm sorry, I didn't mean to interrupt. Who were the panel members when you were certified? Do you remember who any of the panel members were? A. Jerry Crowder, it's Jerry Crowder Environmental, and then there wes Beryl Denne. I think Gino was at the last class, and I forget his last name. Q. Have you ever known Angela Crowley to be a panel member of any of the method certifications? A. I don't think I've ever had her in class, huh-uh (negative.) 	712
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. No, f. Q. Okay. inspections s A. Seven Q. Are y A. Yes. Q. Okay. the weekends? A. Yee, f Q. Do you A. Yeeh, Cherepko. Q. Okay. inspections w A. I was of coke into h quench tower. I was three soaking f Q. Okay. solely 303 insp	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday? So there's somebody else who would work on that's correct, uh-huh (affimative.) u know who that individual is? that would be inspector Mark Dvorksy and Ed When you were with Veolia, what type of ere you doing? doing the Method 9, observing the pushing ot cars and observing them going to the doing the Method 303. I was doing one to emissions and its water sampling. And then back to Keramida, you're doing spections now?	710	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We it's every three years, and we go in front of a panel of three panel members and then well, there's classroom first. And then once we get done with the classroom, it is, like, a three-day class. And then the last day, we demonstrate our inspections, you know, doing charging, you know, doing the offtakes. Q. I'm sorry, I didn't mean to interrupt. Who were the panel members when you were certified? Do you remember who any of the panel members were? A. Jerry Crowder, it's Jerry Crowder Environmental, and then there was Beryl Denne. I think Gino was at the last class, and I forget his last name. Q. Have you ever known Angela Crowley to be a panel member of any of the method certifications? A. I don't think I've ever had her in class, huh-uh (negative.) Q. Okay. I'm going to shift to Battery B. You do 	712
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. No, f. Q. Okay. inspections is A. seven Q. Are y A. Yes. Q. Okay. the weekends? A. Yes, f. Q. Do you A. Yesh, Cherepko. Q. Okay. inspections w A. I was of coke into h quench tower. I was three soaking Q. Okay.	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday? So there's somebody else who would work on that's correct, uh-huh (affimative.) u know who that individual is? that would be inspector Mark Dvorkey and Ed When you were with Veolia, what type of ere you doing? doing the Method 9, observing the pushing ot cars and observing then going to the doing the Method 303. I was doing one to anissions and its water sampling. And then back to Keramida, you're doing spections now?	710	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We - it's every three years, and we go in front of a panel of three panel members and then - well, there's classroom first. And then once we get done with the classroom, it is, like, a three-day class. And then the last day, we demonstrate our inspections, you know, doing charging, you know, doing the offtakes. Q. I'm sorry, I didn't mean to interrupt. Who were the panel members when you were certified? Do you remember who any of the panel members were? A. Jerry Crowder, it's Jerry Crowder Environmental, and then there was Beryl Denne. I think Gino was at the last class, and I forget his last name. Q. Have you ever known Angela Crowley to be a panel member of any of the method certifications? A. I don't think I've ever had her in class, huh-uh (negative.) Q. Okay. I'm going to shift to Battery B. You do inspections on Battery B, correct? 	712
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. No, f. Q. Okay. inspections is A. Seven Q. Are y A. Yes. Q. Okay. the weekends? A. Yesh, Chercepko. Q. Okay. inspections w A. I was of coke into h quench tower. I was three so-king h Q. Okay. solely 303 ins	ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday? So there's somebody else who would work on that's correct, uh-huh (affimative.) u know who that individual is? that would be inspector Mark Dvorksy and Ed When you were with Veolia, what type of ere you doing? doing the Method 9, observing the pushing ot cars and observing them going to the doing the Method 303. I was doing one to amissions and its water sampling. And then back to Keramida, you're doing spections now? To your understanding, Method 303, that's	710	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We - it's every three years, and we go in front of a panel of three panel members and then - well, there's classroom first. And then once we get done with the classroom, it is, like, a three-day class. And then the last day, we demonstrate our inspections, you know, doing charging, you know, doing the offtakes. Q. I'm sorry, I didn't mean to interrupt. Who were the panel members when you were certified? Do you remember who any of the panel members were? A. Jerry Crowder, it's Jerry Crowder Environmental, and then there was Beryl Derne. I think Gino was at the last class, and I forget his last name. Q. Have you ever known Angela Crowley to be a panel member of any of the method certifications? A. I don't think I've ever had her in class, huh-uh (negative.) Q. Okay. I'm going to shift to Battery B. You do inspections on Battery B, correct? 	712
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 A. No, f. Q. Okay. inspections is A. Seven Q. Are y A. Yes. Q. Okay. the weekends? A. Yes. Q. Okay. therepko. Q. Okay. inspections with rese soaking of coke into he quench tower. I was three soaking of Q. Okay. solely 303 instance. Q. Okay. a federal methicity 	<pre>ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday? So there's somebody else who would work on that's correct, uh-huh (affirmative.) u know who that individual is? that would be inspector Mark Dvorksy and Ed When you were with Veolia, what type of ere you doing? doing the Method 9, observing the pushing of cars and observing then going to the doing the Method 303. I was doing one to amissions and its water sampling. And then back to Keramida, you're doing spections now? To your understanding, Method 303, that's nod?</pre>	710	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Q. Okay. But for 303, is that a similar pattern where you go to Smoke School? How do you get certified for 303? A. We it's every three years, and we go in front of a panel of three panel members and then well, there's classroom first. And then once we get done with the classroom, it is, like, a three-day class. And then the last day, we demonstrate our inspections, you know, doing charging, you know, doing the offtakes. Q. I'm sorry, I didn't mean to interrupt. Who were the panel members when you were certified? Do you remember who any of the panel members were? A. Jerry Crowder, it's Jerry Crowder Environmental, and then there was Beryl Denne. I think Gino was at the last class, and I forget his last name. Q. Have you ever known Angela Crowley to be a panel member of any of the method certifications? A. I don't think I've ever had her in class, huh-uh (negative.) Q. Okay. I'm going to shift to Battery B. You do inspections on Battery B, correct? A. That's correct. Q. And you do inspections with respect to the doors 	712
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	A. No, f. Q. Okay. inspections is A. seven Q. Are y A. Yes. Q. Okay. the weekends? A. Yes, f. Q. Do you A. Yesh, Cherepko. Q. Okay. inspections w A. I was of coke into h quench tower. I was three soaking Q. Okay. solely 303 ins A. Yes. Q. Okay.	<pre>ive days a week. But to your understanding, Keramida does even days a week? days a week, yep. ou always working Monday through Friday? So there's somebody else who would work on that's correct, uh-huh (affirmative.) u know who that individual is? that would be inspector Mark Dvorkey and Ed When you were with Veolia, what type of ere you doing? doing the Method 9, observing the pushing ot cars and observing then going to the doing the Method 303. I was doing one to amissions and its water sampling. And then back to Keramida, you're doing spections now? To your understanding, Method 303, that's nod? hat's correct, yep.</pre>	710	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 Q. Okay. But for 303, is that a similar pattern where you go to Snoke School? How do you get certified for 303? A. We it's every three years, and we go in front of a panel of three panel members and then well, there's classroom first. And then once we get done with the classroom, it is, like, a three-day class. And then the last day, we demonstrate our inspections, you know, doing charging, you know, doing the offtakes. Q. I'm sorry, I didn't mean to interrupt. Who were the panel members when you were certified? Do you remember who any of the panel members were? A. Jerry Crowder, it's Jerry Crowder Environmental, and then there was Beryl Deme. I think Gino was at the last class, and I forget his last name. Q. Have you ever known Angela Crowley to be a panel member of any of the method certifications? A. I don't think I've ever had her in class, hub-uh (ngative.) Q. Okay. I'm going to shift to Battery B. You do inspections on Battery B, correct? A. That's correct. Q. And you do inspections with respect to the doors on Battery B? 	712

1		713			715
1	A. Yes.		1	coke side of Battery B?	
2	${\sf Q}.~$ And you do those inspections on the coke side of		2	A. Yes, I have.	
3	Battery B?		3	${\sf Q}.$ Now, you know how to do opacity readings. Have	
4	A. That's correct, yes.		4	you ever attempted to determine an opacity of the	
5	Q. To your knowledge, do you know if ACHD does those		5	particulates coming out of those doors?	
6	inspections on the coke side of Battery B?		6	A. No, sir. I'm just Method 303.	
7	A. That, I don't know.		7	$Q.\;$ I understand. So you're just looking for leaks?	
8	${\sf Q}.$ Okay. Could you tell me what how you conduct		8	A. Just looking for leaks.	
9	those inspections on the coke side of Battery B?		9	Q. And you see the leaks regularly?	
10	A. I get ahold of the - it's just kind of		10	A. Yeah, oh, yeah, yep.	
11	dangerous, because there's a door machine that they		11	Q. Every inspection?	
12	actually have to move out of the way down at the end of		12	A. I'd say yes.	
13	the battery so we can walk the coke side.		13	$Q.\;$ If you were to compare the leaks that you see on	
14	And once I get ahold of someone to move it, you		14	the coke side of Battery B with the coke side of the	
15	know, then I'll start walking and observing, you know,		15	rest of the facility, is there a difference? Do you see	
16	the coke side of B Battery.		16	more or less?	
17	${\sf Q}.$ Okay. You mentioned it's kind of dangerous.		17	A. I'd say there's more.	
18	Could you explain why that is particularly dangerous,		18	Q. A lot more?	
19	what makes that dangerous?		19	A. No, but there's definitely more.	
20	A. Just because of the door machine and you are		20	Q. Okay. Have you ever seen combustion from a door	
21	walking along the bench; where the other batteries, we		21	being opened on the coke side, flames when the door is	
22	don't walk the bench.		22	opened?	
23	Q_{\star} What's the bench? How would you describe the		23	A. Yeah, yeah, a little bit, yep.	
24	bench?		24	${\sf Q}.$ Have you ever seen black smoke when the doors are	
25	A. The bench is the bench level right where the		25	being opened on the coke side?	
		714			716
1	dours are at. So you get like a lowe bands going down	/14	1	A Yosh yer	/10
2	and you walk undermath you how this shed that		2	Ω And thinking back on the emissions that you've	
3	centumes the emissions. And then you really ont to		3	seen, could you ever say that there was something and	
4	watch because sometimes it's hard to see back there.		4	I know you are not measuring for it but could you	
5	O. But that is		5	qualify anything for 100 percent opacity?	
6	A. I'm sorry. But we got lighting and all that. We		6	A. I can't really give an opinion on that since I'm	
7	use our lights now. But it is kind of dependes because		7	not certified in that, in Mathod 9.	
8	the door machine could actually run you over if you		8	O. That's fair. Do you do anything beyond actually	
9	don't watch vourself, vou know?		9	counting the leaks on the coke side? Are you making any	
10	So we have to communicate with them to move the		10	determination as to the you're aware of what the yard	
11	door machine out of the way so we can walk it.		11	equivalent standard is. Are you aware of that, the	
12	Q. You said it's dark and you need to use a light?	1	12	coke-side yard equivalent for Battery B? It's okay if	
13	A. Yeah. Well, some areas, like I mean, it's lit		13	you don't.	
14	up on the top. But, like, where you are walking at, you	1	14	A. Idon't know.	
15				O Okay So you are strictly counting leaks?	
	really got to watch.		15	Q. OKAY. DO YOU are structly counting reaks.	
16	really got to watch. Q. Why is it dark where you are? I mean, you have		15 16	A. Yes.	
16 17	<pre>really got to watch. Q. Why is it dark where you are? I mean, you have lights above you. You can't see with the lights?</pre>		15 16 17	 A. Yes. Q. Okay, that's fair. 	
16 17 18	<pre>really got to watch. Q. Why is it dark where you are? I mean, you have lights above you. You can't see with the lights? A. Well, some of them some areas, it's dark, you</pre>		15 16 17 18	 Q. Okay, bo you are strictly counting reaks. A. Yes. Q. Okay, that's fair. MR. WILLIS: Actually, that's all I have. Thank 	
16 17 18 19	<pre>really got to watch. Q. Why is it dark where you are? I mean, you have lights above you. You can't see with the lights? A. Well, some of them some areas, it's dark, you know, back there.</pre>		15 16 17 18 19	 Q. Okay. Bo you are strictly counting leaks. A. Yes. Q. Okay, that's fair. MR. WILLIS: Actually, that's all I have. Thank you. I appreciate it. 	
16 17 18 19 20	<pre>really got to watch. Q. Why is it dark where you are? I mean, you have lights above you. You can't see with the lights? A. Well, some of them some areas, it's dark, you know, back there. Q. Okay. Are you recording any of the emissions</pre>		15 16 17 18 19 20	 A. Yes. Q. Okay, that's fair. MR. WILLIS: Actually, that's all I have. Thank you. I appreciate it. MR. GREENEWALD: Thank you. 	
16 17 18 19 20 21	<pre>really got to watch. Q. Why is it dark where you are? I mean, you have lights above you. You can't see with the lights? A. Well, some of them some areas, it's dark, you know, back there. Q. Okay. Are you recording any of the emissions that you are seeing on the coke side of Battery B?</pre>		15 16 17 18 19 20 21	 A. Yes. Q. Okay, that's fair. MR. WILLIS: Actually, that's all I have. Thank you. I appreciate it. MR. GREENEWALD: Thank you. CROSS-EXAMINATION 	
16 17 18 19 20 21 22	<pre>really got to watch. Q. Why is it dark where you are? I mean, you have lights above you. You can't see with the lights? A. Well, some of them some areas, it's dark, you know, back there. Q. Okay. Are you recording any of the emissions that you are seeing on the coke side of Battery B? A. Yes.</pre>		15 16 17 18 19 20 21 22	 A. Yes. Q. Okay, that's fair. MR. WILLIS: Actually, that's all I have. Thank you. I appreciate it. MR. GREENEWALD: Thank you. CROSS-EXAMINATION BY MR. DAUSCH: 	
16 17 18 19 20 21 22 23	<pre>really got to watch. Q. Why is it dark where you are? I mean, you have lights above you. You can't see with the lights? A. Well, some of them some areas, it's dark, you know, back there. Q. Okay. Are you recording any of the emissions that you are seeing on the coke side of Battery B? A. Yes. Q. Are you required to do that?</pre>		15 16 17 18 19 20 21 22 23	 A. Yes. Q. Okay, that's fair. MR. WILLIS: Actually, that's all I have. Thank you. I appreciate it. MR. GREENEWALD: Thank you. CROSS-EXAMINATION BY MR. DAUSCH: Q. Hi, Mr. Greenewald. 	
16 17 18 19 20 21 22 23 23	<pre>really got to watch. Q. Why is it dark where you are? I mean, you have lights above you. You can't see with the lights? A. Well, some of them some areas, it's dark, you know, back there. Q. Okay. Are you recording any of the emissions that you are seeing on the coke side of Battery B? A. Yes. Q. Are you required to do that? A. Yes.</pre>		15 16 17 18 19 20 21 22 23 24	 A. Yes. Q. Okay, that's fair. MR. WILLIS: Actually, that's all I have. Thank you. I appreciate it. MR. GREENEWALD: Thank you. CROSS-EXAMINATION EY MR. DAUSCH: Q. Hi, Mr. Greenewald. A. How are you doing? 	
16 17 18 19 20 21 22 23 23 24 25	<pre>really got to watch. Q. Why is it dark where you are? I mean, you have lights above you. You can't see with the lights? A. Well, some of them some areas, it's dark, you know, back there. Q. Okay. Are you recording any of the emissions that you are seeing on the coke side of Battery B? A. Yes. Q. Are you required to do that? A. Yes. Q. Have you seen emissions from the doors on the</pre>		15 16 17 18 19 20 21 22 23 24 25	 A. Yes. Q. Okay, that's fair. MR. WILLIS: Actually, that's all I have. Thank you. I appreciate it. MR. GREENEWALD: Thank you. <u>CROSS-EXAMINATION</u> BY MR. DAUSCH: Q. Hi, Mr. Greenewald. A. How are you doing? Q. When you read from the bench on the B Battery 	

		717			71
1	coke side, you're within a couple feet of the coke		1	MR. DAUSCH: We are going to call Ed Cherepko.	
2	battery doors; is that right?		2	HEARING OFFICER SLATER: Okay.	
3	A. Yes, that's correct.		3	EDWARD CHEREPKO, called as a witness, being duly	
4	Q. About five feet?		4	sworn by the court reporter, testified as follows:	
5	A. Like, maybe eight to ten, but it varies.		5	DIRECT EXAMINATION	
6	${\sf Q}.~$ All of your inspections, you are using Method		6	BY MR. DAUSCH:	
7	303, correct?		7	${\sf Q}.$ Good afternoon, sir. Can you please state your	
8	A. Correct.		8	full name for the record?	
9	Q. And you don't deviate from that method?		9	A. Edward Richard Cherepko, Jr.	
10	A. No, I don't.		10	Q. And can you tell us what your job is?	
11	Q. You just follow that Method 303?		11	A. I am a 303 inspector for Keramida.	
12	A. Follow Method 303, yep.		12	Q. How long have you had that position?	
13	Q. And do you remember caming down to my office in		13	A. With Keramida? For about two years.	
14	Pittsburgh on October 30th of 2018 and I got to ask you		14	Q. And before you started working for Keramida, what	
15	questions under oath about your day?		15	position did you have?	
16	A. Yes.		16	A. I was with Veolia. I was a 303 and Method 9	
17	\mathbf{O} . As of that time, you had never heard of the	0	17	inspector.	
18	source testing manual, correct?		18	Q. Okay. And when did you first start with Veolia?	
10	A Compat		19	A. About three years prior.	
20	• And you had nownr seen the source testing manual?		20	O. How long have you been with Keramida, two years?	
20	A we		21	A. Two years.	
21	A. No.		22	• And so when you started working with Veolia, was	
22	Q. And you had never had any training on BRA'S		23	that the first time you became Method 303 certified?	
23	Method 109?		2.0		
24	A. No.		25	• And so you've had a Method 303 certification for	
25	MR. DAUSCH: That's all I have, sir. Thanks for		23	Q. And so you ve had a manad sos carcarractan act	
		718			72
1	coming down.		1	about five years now?	
2	MR. GREENEWALD: Okay, thank you.		2	A. Yes, between four and five years.	
3	MR. WILLIS: That's all I have.		3	Q. And where physically do you work, what location?	
4	MR. GREENEWALD: Okay, sir, thank you,		4	A. At the Clairton plant.	
5	HEARING OFFICER SLATER: Thank you, Mr.		5	Q. Has that been the same for the last five years?	
6	Greenewald.		6	A. It has.	
7	Mr. Willis. do you have any other witnesses who		7	Q. Okay. And for the last five years, you've been	
8	you want to call?		8	doing Method 303 observations at the Clairton plant?	
q	MR WILLIS. No. sir. The Department rests its		9	A. Yes.	
10			10	O. And you do observations on coke batteries?	
11	UTADING OFFICER SLATED. All right Mr. Dausch.		11	A. Yes.	
12	did you want to present your first witness?		12	O. The method that you use, has it always been	
12	MD DNICCH. Sure		13	Method 3032	
1.4	MR. MAUSCA: Suite.		14	A. Yes.	
14	MR. WILLIS: Before you start, I just wanted to		15	• And is it fair to say you don't deviate from that	
15	ask your order of witnesses. Is that consistent with		16	wethod?	
10	what you had in the		17	A compart	
17	MR. DADSCH: Can we take a few minutes if we see		10	A. Correct.	
18	if we need to		18	Q. Tou don't pick and choose which parts of the	
19	HEARING OFFICER SLATER: Yeah, let's go off the		19	metroa you IOLIOW:	
20	record.		20	A. Correct.	
21	(The hearing recessed at 1:49 p.m. and		21	Q. The types of inspections do you do at clairton,	
22	reconvened at 2:04 p.m.)		22	what are they?	
23	HEARING OFFICER SLATER: All right, let's go back		23	A. Battery inspections, which would include the	
24	on the record. Mr. Dausch, you may call your first		24	topside, doors, and the charges.	
25	witness.		25	Q. Okay. And would topside include both lids and	

		721			723
1	offtakes?		1	MELISSA HALLAS, called as a witness, being duly	
2	A. Yes.		2	sworn by the court reporter, testified as follows:	
3	${\sf Q}.$ Okay. How often do you work at the plant?		3	DIRECT EXAMINATION	
4	A. I am there four days a week.		4	BY MR. DAUSCH:	
5	Q. And do you have a typical shift?		5	Q. Hi.	
6	A. I work midnights.		6	A. Hi.	
7	${\sf Q}.$ Okay. And generally, what do you accomplish on a		7	Q. Can you state your full name for the record?	
8	typical shift?		8	A. Melissa Ann Hallas.	
9	A. I do the inspection that I'm scheduled to do.		9	Q. And what do you do for employment?	
10	${\bf Q}.~$ And do you have any say in which inspection you		10	A. I am a 303 inspector.	
11	do on which day?		11	Q. And what company do you work for?	
12	A. Idan't.		12	A. Keramida.	
13	Q. Who makes that determination?	:	13	$Q.\ $ And as a Method 303 inspector for Keramida, you	
14	A. Our manager, Churk Swallow.	:	14	do inspections at coke batteries?	
15	${f Q}.$ Okay. And when your manager tells you which		15	A. Correct.	
16	inspections to do on which day, you have to follow that?		16	$Q.\;$ At what locations do you do those inspections?	
17	A. Yes.	1	L7	A. U.S. Steel Clairton Works and ArcelorMittal in	
18	${f Q}.$ You don't have any discretion to change what you	1	181	Monessen.	
19	are going to do on a given day?	1	19	${\sf Q}.$ How long have you been a Method 303 inspector for	
20	A. No.	2	20 1	Keramida?	
21	Q. Okay. When you do your inspections, do you	2	21	A. Thirteen months.	
22	record your data in a tablet?	2	22	Q. What did you do before that?	
23	A. Yes.	2	23	A. I ran an OSHA project for Eastman Chemical and I	
24	Q. Okay. Do your recall on October 30th, 2018 of	2	24 a	also sold heavy equipment, generators, things like that.	
25	this year that you had your deposition taken under oath	2	25	Q. Before you started doing inspections for	
		722			724
1	about what you do on a daily basis?	722	1 H 2	Keramida, did you have to have training on Method 303? A. Yes.	724
1 2 3	about what you do on a daily basis? A. Ido. Q. And do you remember at that time, you had never	722	1 H 2 3	Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training?	724
1 2 3 4	<pre>about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual?</pre>	722	1 F 2 3 4	Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes.	724
1 2 3 4 5	about what you do on a daily basis? A. Ido. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes.	722	1 E 2 3 4 5	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? 	724
1 2 3 4 5 6	 about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? 	722	1 F 2 3 4 5 6	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. 	724
1 2 3 4 5 6 7	 about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? A. No. 	722	1 E 2 3 4 5 6 7	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified 	724
1 2 3 4 5 6 7 8	 about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? A. No. Q. Have you ever had any training on the source 	722	1 F 2 3 4 5 6 7 8	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified observer? 	724
1 2 3 4 5 6 7 8 9	 about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? A. No. Q. Have you ever had any training on the source testing manual? 	722	1 E 2 3 4 5 6 7 8 6 9	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified observer? A. Since November of 2017. 	724
1 2 3 4 5 6 7 8 9	about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? A. No. Q. Have you ever had any training on the source testing manual? A. No.	722	1 E 2 3 4 5 6 7 8 6 9 0	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified observer? A. Since November of 2017. Q. And do you have to do things on a regular basis 	724
1 2 3 4 5 6 7 8 9 10 11	 about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? A. No. Q. Have you ever had any training on the source testing manual? A. No. Q. Is it fair to say that you are not following the 	722	1 F 2 3 4 5 6 7 8 6 7 8 6 9 0	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified observer? A. Since November of 2017. Q. And do you have to do things on a regular basis to maintain that certification? 	724
1 2 3 4 5 6 7 8 9 10 11 12	 about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? A. No. Q. Have you ever had any training on the source testing manual? A. No. Q. Is it fair to say that you are not following the source testing manual to do your inspections? 	722	1 E 2 3 4 5 6 7 8 6 7 8 6 7 8 6 7 8 0 1 t	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified observer? A. Since November of 2017. Q. And do you have to do things on a regular basis to maintain that certification? A. Yes. 	724
1 2 3 4 5 6 7 8 9 10 11 12 13	 about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? A. No. Q. Have you ever had any training on the source testing manual? A. No. Q. Is it fair to say that you are not following the source testing manual to do your inspections? A. Yes, that's a fair statement. 	722	1 F 2 3 4 5 6 7 8 6 7 8 6 7 8 6 7 1 1 1 1 2 3	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified observer? A. Since November of 2017. Q. And do you have to do things on a regular basis to maintain that certification? A. Yes. Q. What is it that you have to do? 	724
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? A. No. Q. Have you ever had any training on the source testing manual? A. No. Q. Is it fair to say that you are not following the source testing manual to do your inspections? A. Yee, that's a fair statement. Q. And you've never seen Method 109; is that fair? 	722	1 E 2 3 4 5 6 7 8 6 7 8 6 9 9 0 1 t 2 3 4	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified observer? A. Since November of 2017. Q. And do you have to do things on a regular basis to maintain that certification? A. Yes. Q. What is it that you have to do? A. I did my - renewed my - did my test, my yearly 	724
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? A. No. Q. Have you ever had any training on the source testing manual? A. No. Q. Is it fair to say that you are not following the source testing manual to do your inspections? A. Yes, that's a fair statement. Q. And you've never seen Method 109; is that fair? A. Correct. 	722	1 F 2 3 4 5 6 7 8 6 7 8 6 7 8 6 7 1 1 1 1 2 3 4 4 5 5 5 5 5 5 5 5 5 5 5 6 7 7 8 6 7 7 8 6 7 7 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified observer? A. Since November of 2017. Q. And do you have to do things on a regular basis to maintain that certification? A. Yes. Q. What is it that you have to do? A. I did my — renewed my — did my test, my yearly mest, November of 2018. 	724
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? A. No. Q. Have you ever had any training on the source testing manual? A. No. Q. Is it fair to say that you are not following the source testing manual to do your inspections? A. Yes, that's a fair statement. Q. And you've never seen Method 109; is that fair? A. Correct. Q. Never had any training on Method 109? 	722	1 F 2 3 4 5 6 7 8 6 7 8 6 7 1 t 2 3 4 5 t 6	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified observer? A. Since November of 2017. Q. And do you have to do things on a regular basis to maintain that certification? A. Yes. Q. What is it that you have to do? A. I did my - renewed my - did my test, my yearly test, November of 2018. Q. Okay. And so since you started working at 	724
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? A. No. Q. Have you ever had any training on the source testing manual? A. No. Q. Is it fair to say that you are not following the source testing manual to do your inspections? A. Yes, that's a fair statement. Q. And you've never seen Method 109; is that fair? A. Correct. Q. Never had any training on Method 109? A. No. 	722	1 E 2 3 4 5 6 7 8 6 7 8 6 1 1 2 3 4 5 5 5 4 7 7 8 7 7 8 7 7 8 7 7 7 7 8 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified observer? A. Since November of 2017. Q. And do you have to do things on a regular basis to maintain that certification? A. Yes. Q. What is it that you have to do? A. I did my - renewed my - did my test, my yearly test, November of 2018. Q. Okay. And so since you started working at Keramida, you have been a Method 303 certified observer? 	724
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? A. No. Q. Have you ever had any training on the source testing manual? A. No. Q. Is it fair to say that you are not following the source testing manual to do your inspections? A. Yes, that's a fair statement. Q. And you've never seen Method 109; is that fair? A. No. Q. Never had any training on Method 109? A. No. M. DAUSCH: That's all I have. Thank you. 	722	1 F 2 3 4 5 6 7 8 6 7 5 4 5 5 5 7 8	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified observer? A. Since November of 2017. Q. And do you have to do things on a regular basis to maintain that certification? A. Yes. Q. What is it that you have to do? A. I did my - renewed my - did my test, my yearly test, November of 2018. Q. Okay. And so since you started working at Keramida, you have been a Method 303 certified observer? 	724
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? A. No. Q. Have you ever had any training on the source testing manual? A. No. Q. Is it fair to say that you are not following the source testing manual to do your inspections? A. Yes, that's a fair statement. Q. And you've never seen Method 109; is that fair? A. No. Q. Never had any training on Method 109? A. No. M. DAUSCH: That's all I have. Thank you. MR. WILLIS: I have no questions. 	722	1 F 2 3 4 5 6 7 8 9 0 1 t 2 3 4 5 t 7 8 9	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified observer? A. Since November of 2017. Q. And do you have to do things on a regular basis to maintain that certification? A. Yes. Q. What is it that you have to do? A. I did my - renewed my - did my test, my yearly test, November of 2018. Q. Okay. And so since you started working at Keramida, you have been a Method 303 certified observer? A. Yes. Q. What types of inspections do you do at Clairton? 	724
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? A. No. Q. Have you ever had any training on the source testing manual? A. No. Q. Is it fair to say that you are not following the source testing manual to do your inspections? A. Yes, that's a fair statement. Q. And you've never seen Method 109; is that fair? A. No. Q. Never had any training on Method 109? A. No. M. DAUSCH: That's all I have. Thank you. MR. WILLIS: I have no questions. HEARING OFFICER SLATER: All right. Mr. 	722	1 E 2 3 4 5 6 7 8 6 7 8 6 7 8 9 7 8 9 7 8 9 0 7 8 9 0 7 8 9 0 7 8 9 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified observer? A. Since November of 2017. Q. And do you have to do things on a regular basis to maintain that certification? A. Yes. Q. What is it that you have to do? A. I did my — renewed my — did my test, my yearly test, November of 2018. Q. Okay. And so since you started working at Keramida, you have been a Method 303 certified observer? A. Yes. Q. What types of inspections do you do at Clairton? A. I do the topside inspections, which is the lids, 	724
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? A. No. Q. Have you ever had any training on the source testing manual? A. No. Q. Is it fair to say that you are not following the source testing manual to do your inspections? A. Yes, that's a fair statement. Q. And you've never seen Method 109; is that fair? A. Correct. Q. Never had any training on Method 109? A. No. M. DAUSCH: That's all I have. Thank you. MR. WILLIS: I have no questions. HEARING OFFICER SLATER: All right. Mr. 	722	1 F 2 3 4 5 6 7 8 9 0 1 t 2 3 4 5 t 8 9 0 7 8 9 0 1 0	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified observer? A. Since November of 2017. Q. And do you have to do things on a regular basis to maintain that certification? A. Yes. Q. What is it that you have to do? A. I did my — renewed my — did my test, my yearly test, November of 2018. Q. Okay. And so since you started working at Keramida, you have been a Method 303 certified observer? A. Yes. Q. What types of inspections do you do at Clairton? A. I do the topside inspections, which is the lids, afftakes, and charging and doors. 	724
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? A. No. Q. Have you ever had any training on the source testing manual? A. No. Q. Is it fair to say that you are not following the source testing manual to do your inspections? A. Yes, that's a fair statement. Q. And you've never seen Method 109; is that fair? A. No. W. Never had any training on Method 109? A. No. M. NUILLIS: I have no questions. HEARING OFFICER SLATER: All right. Mr. Cherepko, you may step down. MR. CHEREPKO: Thank you. 	722	1 F 2 3 4 5 6 7 8 9 0 1 t 2 3 4 5 5 4 7 8 9 0 1 a 0 1 2	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified observer? A. Since November of 2017. Q. And do you have to do things on a regular basis to maintain that certification? A. Yes. Q. What is it that you have to do? A. I did my - renewed my - did my test, my yearly test, November of 2018. Q. Okay. And so since you started working at Keramida, you have been a Method 303 certified observer? A. Yes. Q. What types of inspections do you do at Clairton? A. I do the topside inspections, which is the lids, iftakes, and charging and doors. Q. Okay. And how many days do you work at Clairton 	724
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? A. No. Q. Have you ever had any training on the source testing manual? A. No. Q. Is it fair to say that you are not following the source testing manual to do your inspections? A. Yes, that's a fair statement. Q. And you've never seen Method 109; is that fair? A. No. Q. Never had any training on Method 109? A. No. M. DAUSCH: That's all I have. Thank you. MEARING OFFICER SLATER: All right. Mr. 	722 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2	1 F 2 3 4 5 6 7 8 6 7 8 9 0 1 t 2 3 4 5 5 t 8 9 0 1 a 2 3 1 1 2 3 4 5 5 6 7 8 6 7 8 6 7 8 6 7 8 6 7 8 6 7 8 6 7 8 8 6 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 8 8	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified observer? A. Since November of 2017. Q. And do you have to do things on a regular basis to maintain that certification? A. Yes. Q. What is it that you have to do? A. I did my - renewed my - did my test, my yearly test, November of 2018. Q. Okay. And so since you started working at Keramida, you have been a Method 303 certified observer? A. Yes. Q. What types of inspections do you do at Clairton? A. I do the topside impactions, which is the lids, afftakes, and changing and doors. Q. Okay. And how many days do you work at Clairton in a given week? 	724
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 about what you do on a daily basis? A. I do. Q. And do you remember at that time, you had never seen the county source testing manual? A. Yes. Q. Have you seen it since? A. No. Q. Have you ever had any training on the source testing manual? A. No. Q. Is it fair to say that you are not following the source testing manual to do your inspections? A. Yes, that's a fair statement. Q. And you've never seen Method 109; is that fair? A. Correct. Q. Never had any training on Method 109? A. No. M. EARING OFFICER SLATER: All right. Mr. Cherepko, you may step down. MR. CHEREPKO: Thank you. HEARING OFFICER SLATER: Mr. Dausch, do you want to call your next witness? 	722 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 F 2 3 4 5 6 7 8 9 0 1 t 2 3 4 5 t 8 9 0 1 a 2 3 1 2 3 1 4	 Keramida, did you have to have training on Method 303? A. Yes. Q. And did you take that training? A. Yes. Q. Are you a Method 303 certified observer? A. Yes. Q. And how long have you been a Method 303 certified observer? A. Since November of 2017. Q. And do you have to do things on a regular basis to maintain that certification? A. Yes. Q. What is it that you have to do? A. I did my - renewed my - did my test, my yearly test, November of 2018. Q. Okay. And so since you started working at Keramida, you have been a Method 303 certified observer? A. Yes. Q. What types of inspections do you do at Clairton? A. I do the topside inspections, which is the lids, afftakes, and charging and doors. Q. Okay. And how many days do you work at Clairton in a given week? A. One day. 	724

		725		727
1	A. Yes. I fill in when - for vacations and things		1	A. Yes.
2	like that, but primarily one day a week.		2	Q. How much time do you spend at Monessen?
3	Q. Okay. And is that typically the same day?		3	A. Four days a week.
4	A. Yes, Wadnesday.		4	${\sf Q}.$ To give an idea of the scale between the two
5	${f Q}.$ Okay. When you show up at Clairton to do your	1.5	5	facilities, how big is Monessen? How many batteries?
6	inspections on Wednesdays, do you get to pick and choose		6	Let's say, how many batteries are there at Monessen?
7	which inspections you do?		7	А. тжо.
8	A. No.		8	Q. And how many ovens per battery?
9	${\sf Q}.$ Do you get to pick and choose which batteries you		9	A. I think total, there are 67 between the two.
10	inspect on a given day?		10	Q. Sixty-seven batteries?
11	A. No.		11	A. Yeah, I think. That's an estimate.
12	Q. How is that decision made?		12	Q. How many batteries are at Clairton?
13	A. It's already determined for me.		13	A. Ten.
14	Q. Okay. Is there a schedule that's made?		14	${\sf Q}.$ Do you know how many batteries or ovens there
15	A. Yes.		15	are?
16	Q. Okay, And you have to follow that schedule?		16	A. Total?
1.7	A. Correct.		17	Q. Yes.
18	O. When you do your inspections, do you record your		18	A. I don't know the total.
19	information on a tablet?		19	Q. For any given battery let's say Battery B, are
20	A Yog		20	you familiar with Battery B?
21	O And then at the end of the day, do you also fill		21	A, Yes,
22	out a handwritten sheet for Keramida?		22	Q. How many ovens are there for Battery B?
23			23	A. Offhand, I want to 60, roughly a little more than
2.0	O Okay The entire time voluive been a Method 303		24	60 some.
25	increator for Korzmida, you have followed Mathed 303: is		25	O. Okay. And you are doing 303 readings for leaks
20	inspector for neralitary you have contained needed out, as			
1	that fair?	726	1	728 at both facilities?
1	that fair?	726	1	728 at both facilities? A. Correct.
1 2 3	that fair? A. Yes. O You don't deviate from that method?	726	1 2 3	728 at both facilities? A. Correct. O. Are you checking for door leaks at both
1 2 3 4	that fair? A. Yes. Q. You don't deviate from that method?	726	1 2 3 4	728 at both facilities? A. Correct. Q. Are you checking for door leaks at both facilities?
1 2 3 4	<pre>that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods?</pre>	726	1 2 3 4 5	728 at both facilities? A. Correct. Q. Are you checking for door leaks at both facilities? A. Yes.
1 2 3 4 5	<pre>that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A No.</pre>	726	1 2 3 4 5 6	728 at both facilities? A. Correct. Q. Are you checking for door leaks at both facilities? A. Yes. Q. Have you ever done a comparison between the
1 2 3 4 5 6 7	<pre>that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You ware also = bed your deposition taken on</pre>	726	1 2 3 4 5 6 7	728 at both facilities? A. Correct. Q. Are you checking for door leaks at both facilities? A. Yes. Q. Have you ever done a comparison between the amount of door leaks between the facilities?
1 2 3 4 5 6 7 8	 that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You were also had your deposition taken on October 30th of this year correct? 	726	1 2 3 4 5 6 7 8	728 at both facilities? A. Correct. Q. Are you checking for door leaks at both facilities? A. Yes. Q. Have you ever done a comparison between the amount of door leaks between the facilities? A. No.
1 2 3 4 5 6 7 8	 that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You were also had your deposition taken on October 30th of this year, correct? 	726	1 2 3 4 5 6 7 8 9	728 at both facilities? A. Correct. Q. Are you checking for door leaks at both facilities? A. Yes. Q. Have you ever done a comparison between the amount of door leaks between the facilities? A. No. Q. Would you have any idea as to the difference?
1 2 3 4 5 6 7 8 9	 that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You were also had your deposition taken on October 30th of this year, correct? A. Correct. Q. And at that time, you had never seen the source 	726	1 2 3 4 5 6 7 8 9	<pre>728 at both facilities? A. Correct. Q. Are you checking for door leaks at both facilities? A. Yes. Q. Have you ever done a comparison between the amount of door leaks between the facilities? A. No. Q. Would you have any idea as to the difference? A. No.</pre>
1 2 3 4 5 6 7 8 9 10	 that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You were also had your deposition taken on October 30th of this year, correct? A. Correct. Q. And at that time, you had never seen the source 	726	1 2 3 4 5 6 7 8 9 10	<pre>728 at both facilities? A. Correct. Q. Are you checking for door leaks at both facilities? A. Yes. Q. Have you ever done a comparison between the amount of door leaks between the facilities? A. No. Q. Would you have any idea as to the difference? A. No. Q. Okay.</pre>
1 2 3 4 5 6 7 8 9 10 11	 that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You were also had your deposition taken on October 30th of this year, correct? A. Correct. Q. And at that time, you had never seen the source testing manual? A. There pote 	726	1 2 3 4 5 6 7 8 9 10 11	<pre>728 at both facilities? A. Correct. Q. Are you checking for door leaks at both facilities? A. Yes. Q. Have you ever done a comparison between the amount of door leaks between the facilities? A. No. Q. Would you have any idea as to the difference? A. No. Q. Okay. MR. WILLIS: I have no further questions.</pre>
1 2 3 4 5 6 7 8 9 10 11 12	 that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You were also — had your deposition taken on October 30th of this year, correct? A. Correct. Q. And at that time, you had never seen the source testing manual? A. I have not. Q. And you're never had any training on the source 	726	1 2 3 4 5 6 7 8 9 10 11 12 13	<pre>728 at both facilities? A. Correct. Q. Are you checking for door leaks at both facilities? A. Yes. Q. Have you ever done a comparison between the amount of door leaks between the facilities? A. No. Q. Would you have any idea as to the difference? A. No. Q. Okay. MR. WILLIS: I have no further questions. HEARING OFFICER SLATER: Any redirect, Mr.</pre>
1 2 3 4 5 6 7 8 9 10 11 12 13	 that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You were also had your deposition taken on October 30th of this year, correct? A. Correct. Q. And at that time, you had never seen the source testing manual? A. I have not. Q. And you've never had any training on the source testing manual? 	726	1 2 3 4 5 6 7 8 9 10 11 12 13 14	<pre>728 at both facilities? A. Correct. Q. Are you checking for door leaks at both facilities? A. Yes. Q. Have you ever done a comparison between the amount of door leaks between the facilities? A. No. Q. Would you have any idea as to the difference? A. No. Q. Okay. MR. WILLIS: I have no further questions. HEARING OFFICER SLATER: Any redirect, Mr. Dausch?</pre>
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You were also had your deposition taken on October 30th of this year, correct? A. Correct. Q. And at that time, you had never seen the source testing manual? A. I have not. Q. And you've never had any training on the source testing manual? 	726	1 2 3 4 5 6 7 8 9 10 11 12 13 14	<pre>728 at both facilities? A. Correct. Q. Are you checking for door leaks at both facilities? A. Yes. Q. Have you ever done a comparison between the amount of door leaks between the facilities? A. No. Q. Would you have any idea as to the difference? A. No. Q. Okay. MR. WILLIS: I have no further questions. HEARING OFFICER SLATER: Any redirect, Mr. Dausch? MR. DAUSCH: No. Thanks for coming down.</pre>
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	<pre>that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You were also had your deposition taken on October 30th of this year, correct? A. Correct. Q. And at that time, you had never seen the source testing manual? A. I have not. Q. And you've never had any training on the source testing manual? A. No, I have not. Q. You'me never seen Wethod 1092</pre>	726	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	<pre>728 at both facilities? A. Correct. Q. Are you checking for door leaks at both facilities? A. Yes. Q. Have you ever done a comparison between the amount of door leaks between the facilities? A. No. Q. Would you have any idea as to the difference? A. No. Q. Okay. MR. WILLIS: I have no further questions. HEARING OFFICER SLATER: Any redirect, Mr. Cousch? MR. DAUSCH: No. Thanks for coming down. HEARING OFFICER SLATER: Ms. Hallas, you may step</pre>
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	<pre>that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You were also had your deposition taken on October 30th of this year, correct? A. Correct. Q. And at that time, you had never seen the source testing manual? A. I have not. Q. And you've never had any training on the source testing manual? A. No, I have not. Q. You've never seen Method 109? A No. A. No. A</pre>	726	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	<pre>728 at both facilities? A. Correct. Q. Are you checking for door leaks at both facilities? A. Yes. Q. Have you ever done a comparison between the amount of door leaks between the facilities? A. No. Q. Would you have any idea as to the difference? A. No. Q. Okay. MR. WILLIS: I have no further questions. HEARING OFFICER SLATER: Any redirect, Mr. Dausch? MR. DAUSCH: No. Thanks for coming down. HEARING OFFICER SLATER: Ms. Hallas, you may step down.</pre>
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You were also had your deposition taken on October 30th of this year, correct? A. Correct. Q. And at that time, you had never seen the source testing manual? A. I have not. Q. And you've never had any training on the source testing manual? A. No, I have not. Q. You've never seen Method 109? A. No. 	726	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	<pre>728 at both facilities? A. Correct. Q. Are you checking for door leaks at both facilities? A. Yes. Q. Have you ever done a comparison between the amount of door leaks between the facilities? A. No. Q. Would you have any idea as to the difference? A. No. Q. Okay. MR. WILLIS: I have no further questions. HEARING OFFICER SLATER: Any redirect, Mr. Lousch? MR. DAUSCH: No. Thanks for coming down. HEARING OFFICER SLATER: Ms. Hallas, you may step down. Mr. Dausch, you may call your next witness.</pre>
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You were also had your deposition taken on October 30th of this year, correct? A. Correct. Q. And at that time, you had never seen the source testing manual? A. I have not. Q. And you've never had any training on the source testing manual? A. No, I have not. Q. You've never seen Method 109? A. No. Q. You've never had any training on Method 109? 	726	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	<pre>728 at both facilities? A. Correct. Q. Are you checking for door leaks at both facilities? A. Yes. Q. Have you ever done a comparison between the amount of door leaks between the facilities? A. No. Q. Would you have any idea as to the difference? A. No. Q. Okay. MR. WILLIS: I have no further questions. HEARING OFFICER SLATER: Any redirect, Mr. Dausch? MR. DAUSCH: No. Thanks for coming down. HEARING OFFICER SLATER: Ms. Hallas, you may step down. Mr. Dausch, you may call your next witness. MR. DAUSCH: For our next witness. we will call</pre>
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You were also — had your deposition taken on October 30th of this year, correct? A. Correct. Q. And at that time, you had never seen the source testing manual? A. I have not. Q. And you've never had any training on the source testing manual? A. No, I have not. Q. You've never seen Method 109? A. No. Q. You've never had any training on Method 109? A. No. 	726	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	<pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You were also had your deposition taken on October 30th of this year, correct? A. Correct. Q. And at that time, you had never seen the source testing manual? A. I have not. Q. And you've never had any training on the source testing manual? A. No, I have not. Q. You've never seen Method 109? A. No. Q. You've never had any training on Method 109? A. No. W. You've never had any training on Method 109? A. No. W. You've never had any training on Method 109? 	726	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	<pre>zds zds both facilities? A. Correct. Q. Are you checking for door leaks at both facilities? A. Yes. Q. Have you ever done a comparison between the amount of door leaks between the facilities? A. Yo. Q. Would you have any idea as to the difference? A. No. Q. Okay. MR. WILLIS: I have no further questions. HEARING OFFICER SLATER: Any redirect, Mr. Dausch? MR. DAUSCH: No. Thanks for coming down. HEARING OFFICER SLATER: Ms. Hallas, you may step down. Mr. Dausch, you may call your next witness. MR. DAUSCH: For our next witness, we will call Mark DUORSKY, called as a witness. being duly</pre>
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You were also — had your deposition taken on October 30th of this year, correct? A. Correct. Q. And at that time, you had never seen the source testing manual? A. I have not. Q. And you've never had any training on the source testing manual? A. No, I have not. Q. You've never seen Method 109? A. No. Q. You've never had any training on Method 109? A. No. M. No.LINSCH: That's all I have. Thank you. MS. HALLAS: Okay. 	726	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	<pre>zds zds both facilities? A. Correct. Q. Are you checking for door leaks at both facilities? A. Yes. Q. Have you ever done a comparison between the amount of door leaks between the facilities? A. Yo. Q. Would you have any idea as to the difference? A. No. Q. Okay. MR. WILLIS: I have no further questions. HEARING OFFICER SIATER: Any redirect, Mr. Dausch? MR. DAUSCH: No. Thanks for coming down. HEARING OFFICER SIATER: Ms. Hallas, you may step down. Mr. Dausch, you may call your next witness. MR. DAUSCH: For our next witness, we will call Mark DVORSKY, called as a witness, being duly sworn by the court reporter, testified as follows:</pre>
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You were also had your deposition taken on october 30th of this year, correct? A. Correct. Q. And at that time, you had never seen the source testing manual? A. I have not. Q. And you've never had any training on the source testing manual? A. No, I have not. Q. You've never seen Method 109? A. No. Q. You've never had any training on Method 109? A. No. M. M. M	726	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	<pre>zda toth facilities? A. Correct. Q. Are you checking for door leaks at both facilities? A. Yes. Q. Have you ever done a comparison between the facilities? A. Yes. Q. Have you ever done a comparison between the facilities? A. No. Q. Would you have any idea as to the difference? A. No. Q. Okay. MR. WILLIS: I have no further questions. HEARING OFFICER SLATER: Any redirect, Mr. Cousch? MR. DAUSCH: No. Thanks for coming down. HEARING OFFICER SLATER: Ms. Hallas, you may step down. Mr. DAUSCH: For our next witness, we will call Mark DVORSKY, called as a witness, being duly sworn by the court reporter, testified as follows: DIERCT EXAMINATION</pre>
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23	 that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You were also had your deposition taken on October 30th of this year, correct? A. Correct. Q. And at that time, you had never seen the source testing manual? A. I have not. Q. And you've never had any training on the source testing manual? A. No, I have not. Q. You've never seen Method 109? A. No. Q. You've never had any training on Method 109? A. No. M. No.LIAS: Okay. 	726	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	<pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 that fair? A. Yes. Q. You don't deviate from that method? A. No. Q. You don't use any other inspection methods? A. No. Q. You were also had your deposition taken on October 30th of this year, correct? A. Correct. Q. And at that time, you had never seen the source testing manual? A. I have not. Q. And you've never had any training on the source testing manual? A. No, I have not. Q. You've never seen Method 109? A. No. Q. You've never had any training on Method 109? A. No. M. DAUSCH: That's all I have. Thank you. MS. HALLAS: Okay. CROSS-EXAMINATION EY MR. WILLIS: Q. You mentioned that you split your time between 	726	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	<pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>

1	Your name for the record integers?		mitoria hu the three seed makers	731
	A Vec Mark Durchar colled Das in Darid V as in	2	And then once you finished all these store you	
3	Victor, O-R-S-K-Y	3	became certified?	
4	0. And, sir, what do you do for employment?	4	A. Yes.	
5	A. I work for Keramida Incorporated Environmental	5	0. And you have to take certain steps to make sure	
6	Company. I'm a Method 303 inspector.	6	you maintain your certification: is that right?	
7	0. How long have you had that position?	7	A. Yes.	
8	A. A year and a half.	8	O. And have you done that?	
9	O. And what did you do prior to becoming a Method	9	A. Yes, I was I had my recertification in June of	
10	303 inspector for Keramida?	10	2018.	
11	A. I worked at Cameron Valves and Measurements as a	11	0. And did you explain in your testimony that before	
12	first article inspector.	12	you did your Method 303 certification, you had some	
13	Q. Okav. And generally, what did that involve?	13	training on coke batteries?	
14	A. Inspecting parts that came in raw and finished	14	A. It was more or less a safety walkthrough	
15	for dimensionals, pressure testing, hydrostatic testing,	15	orientation, familiarization, and just watching	
16	and final inspection according to the blueprints and (2)	16	certified Mathod 303 increators do their job and	
17	and T tolerappes.	17	observing them	
18	O. Before you started working as a Method 303	18	O. Was the purpose to make sure that you were able	
19	inspector for Keramida, can we assume you had to go	19	to do your inspections at Clairton in a safe manner?	
20	through Method 303 training?	20	A. Correct.	
21	A. Yes.	21	O. Okay. Who was it that taught you how to do that?	
22	$\mathbf{O}_{\mathbf{i}}$ Okay. And you had to become a Method 303	22	A Walt Grannwald	
23	certified observer?	23	O. Okay. The inspections you do at the Clairton	
24	A. Yes	24	plant, do you work on a specific day?	
25	Q. When do you recall receiving your Method 303	25	A There a specific schedule use Twork form	
	730			732
1	certification?	1	days a week.	
2	A. May of 2017.	2	${\sf Q}.$ Okay. And do you have a specific shift that you	
3	${\sf Q}.$ Okay. Sir, just to confirm, there is a binder in	3	work?	
4	front of you that's U.S. Steel Volume 1. Can you look	4	A. I primarily work midnight shifts.	
5	at can you look at Tab 35, please?	5	Q. Okay. And what does that shift involve? What's	
6	And, sir, thè document in Tab 35 says, "Method	6	the time period for a midnight shift?	
7	303 determination of visible emissions from byproduct	7	A. Midnight to eight.	
8	coke oven batteries." Do you see that?	8	${\sf Q}.~$ Do you know what the other shifts are that other	
9	A. Yes.	9	Keramida inspectors work?	
10	${\sf Q}.~$ And this would be the Method 303 that you're	10	A. It's usually eight to four or twelve to eight	
11	certified under; is that fair? And you can take a	11	or I'm sorry, yeah, twelve or eight or four 'til	
12	second to look at the document.	12	whenever the shift is done.	
13	A. Yes, Method 303 is the method or the procedure	13	${\sf Q}.$ Okay. And so there are shifts that cover the	
14	that I follow.	14	full 24-hour period?	
15	\mathbf{Q}_{\star} . This identifies Method 303, correct, Exhibit 35?	15	A. Correct, there are three shifts.	
16	A. Correct.	16	${\sf Q}.$ Understood. And on a typical shift, how many	
17	${\sf Q}.~$ And to become a Method 303 certified observer,	17	different batteries are you doing observations on?	
18	you had to go through classroom training and field	18	A. Anywhere from three to four normally. On the	
19	training?	19	weekends, it's five.	
20	A. Yes.	20	${\sf Q}.$ Okay. Is your shift longer on the weekends?	
21	Q. Can you explain what was involved?	21	A. Yes.	
22	A. I was on the coke batteries for two weeks prior	22	${\sf Q}.$ The inspections that you do, how do you know	
23				
	to going to Method 303 training. And then once I was at	23	where to go and what to inspect on any given day?	
24	to going to Method 303 training. And then once I was at Method 303 training and received the in-class classroom	23 24	where to go and what to inspect on any given day? A. Oh, we have a schedule posted on a monthly basis	

		733		735
1	Q. Okay. And do you have any say in what you	1	Q. Are you familiar with this document?	
2	inspect or where you inspect on a given day?	2	A. Yes.	
3	A. No, I follow the schedule.	3	Q. What is this document?	
4	${\sf Q}.$ Okay. And when you do your inspections at	4	A. This is the sheet that I was just mentioning that	
5	Clairton, what different things do you do inspections	E.	we fill out on recording the number of leaks.	
6	for?	e	Q. Okay.	
7	A. I inspect the charging operations, the topside	1.5	A. Or any particular leaks.	
8	and lid traverse, and the door inspections.	8	${\sf Q}.$ Would this be a standard form that you fill out	
9	${\sf Q}.$ Okay. And when you do all of those inspections,	9	at the end of your shift?	
10	you're following Method 303?	10	A. Yes.	
11	A. Yes.	11	Q. Where is this form kept?	
12	${\sf Q},\;\; {\sf And}\; {\sf using}\; {\sf the}\; {\sf training}\; {\sf you've}\; {\sf received}\; {\sf with}\;\;$	12	A. It's kept in our trailer at all times.	
13	Method 303?	13	${\sf Q}.$ Where's the trailer? Is that at the Clairton	
14	A. Yes.	14	plant?	
15	${\sf Q}.$ You don't deviate from Method 303 on your	15	A. Yes.	
16	inspections?	16	Q. Okay. And what's in the trailer?	
17	A. No.	17	A. We are provided a shower, a place to keep our	
18	${\sf Q}.~$ And you're not allowed to pick and choose what	18	work uniforms. We keep our tablets charged. We have a	
19	methods you use on a given day; is that fair?	19	tabletop workbench area where we can do paperwork or	
20	A. No, I follow 303.	20	review, and it's also — there's a restroom provided and	
21	${\sf Q}.$ Okay. When you do your inspections, how is it	21	lockers provided for us.	
22	that you record the information that you see?	22	${\sf Q}.$ This form that's on Tab 62 at page 12, one of	
23	A. We record it on an electronic tablet.	23	these forms are filled out every day?	
2.4	${\sf Q}.$ Okay. And there are occasions when you do	24	A. Yes.	
25	inspections of the B Battery coke-side doors?	25	${\bf Q}_{\star}$. Is it a form that you fill out by yourself or do	
		734		730
1	A Vos	/51	all of the Keramida inspectors fill out this one form?	
2	• And when you do those, do you do those from the	2	A. Yeah, we fill like, since in particular,	
3	hench?	3	this particular day, I worked midnight shift. So I	
4	A. We do.		and the the one filling it out first and then I take	
5			Would be the one filling it out first, and then I take	
6	Ω . Okay. And when you are inspecting on the bench.	5	it back to the trailer. It would be blank in the other	
n	Q. Okay. And when you are inspecting on the bench,	5	it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day,	
6 7	Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet?	5	would be the one filling it out first, and their take it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information.	
6 7 8	 Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet? A. Six to eight feet away, just to be safe. 	5	would be the one filling it out fils, and their take it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information. Q. Do you fill out this form on the same date that	
6 7 8 9	 Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet? A. Six to eight feet away, just to be safe. Q. Yeah, so you're pretty close to the doors? 		 would be the one filling it out fils, and their take it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information. Q. Do you fill out this form on the same date that you do the inspections? 	
6 7 8 9	 Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet? A. Six to eight feet away, just to be safe. Q. Yeah, so you're pretty close to the doors? A. We're very close to the doors. 		<pre>would be the one filling it out file, and user files it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information. Q. Do you fill out this form on the same date that you do the inspections? A. Yes.</pre>	
6 7 8 9 10	 Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet? A. Six to eight feet away, just to be safe. Q. Yeah, so you're pretty close to the doors? A. We're very close to the doors. Q. Do you recall let me back up. 		 would be the one filling it out fils, and their take it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information. Q. Do you fill out this form on the same date that you do the inspections? A. Yes. Q. This form, does it include every inspection that 	
6 7 8 9 10 11	 Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet? A. Six to eight feet away, just to be safe. Q. Yeah, so you're pretty close to the doors? A. We're very close to the doors. Q. Do you recall let me back up. At the end of the day after you've or at the 	5 6 7 8 9 10 11 12	 would be the one filling it out fils, all deal fields it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information. Q. Do you fill out this form on the same date that you do the inspections? A. Yes. Q. This form, does it include every inspection that Keramida does on every battery at the Clairton plant? 	
6 7 8 9 10 11 12 13	 Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet? A. Six to eight feet away, just to be safe. Q. Yeah, so you're pretty close to the doors? A. We're very close to the doors. Q. Do you recall let me back up. At the end of the day after you've or at the end of your shift after you finished all of your 	5 6 7 8 10 11 12 13	 would be the one filling it out fils, and their take it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information. Q. Do you fill out this form on the same date that you do the inspections? A. Yes. Q. This form, does it include every inspection that Keramida does on every battery at the Clairton plant? A. Yes. 	
6 7 8 9 10 11 12 13 14	 Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet? A. Six to eight feet away, just to be safe. Q. Yeah, so you're pretty close to the doors? A. We're very close to the doors. Q. Do you recall let me back up. At the end of the day after you've or at the end of your shift after you finished all of your inspections, is there also a paper document that you 	5 6 7 8 9 10 11 12 13 14	 would be the one filling it out fils, and then i take it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information. Q. Do you fill out this form on the same date that you do the inspections? A. Yes. Q. This form, does it include every inspection that Keramida does on every battery at the Clairton plant? A. Yes. Q. Okay. And so if you look at the top row, is 	
6 7 8 9 10 11 12 13 14 15	 Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet? A. Six to eight feet away, just to be safe. Q. Yeah, so you're pretty close to the doors? A. We're very close to the doors. Q. Do you recall let me back up. At the end of the day after you've or at the end of your shift after you finished all of your inspections, is there also a paper document that you fill out? 	5 6 7 8 9 10 11 12 13 14 15	 would be the one filling it out fils, and then filse it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information. Q. Do you fill out this form on the same date that you do the inspections? A. Yes. Q. This form, does it include every inspection that Keramida does on every battery at the Clairton plant? A. Yes. Q. Okay. And so if you look at the top row, is that in the graved-out row, does that say "charging"? 	
6 7 8 9 10 11 12 13 14 15 16	 Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet? A. Six to eight feet away, just to be safe. Q. Yeah, so you're pretty close to the doors? A. We're very close to the doors. Q. Do you recall let me back up. At the end of the day after you've or at the end of your shift after you finished all of your inspections, is there also a paper document that you fill out? A. Yes. 	5 6 7 8 9 10 11 12 13 14 15	 would be the one filling it out fils, and then filled it take it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information. Q. Do you fill out this form on the same date that you do the inspections? A. Yes. Q. This form, does it include every inspection that Keramida does on every battery at the Clairton plant? A. Yes. Q. Okay. And so if you look at the top row, is that in the graved-out row, does that say "charging"? A. Yes. 	
 6 7 8 9 10 11 12 13 14 15 16 17 	 Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet? A. Six to eight feet away, just to be safe. Q. Yeah, so you're pretty close to the doors? A. We're very close to the doors. Q. Do you recall let me back up. At the end of the day after you've or at the end of your shift after you finished all of your inspections, is there also a paper document that you fill out? A. Yes. Q. and what information do you put on that document? 	5 6 7 8 9 10 11 12 13 14 15 16 17	 would be the one filling it out fils, and then i take it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information. Q. Do you fill out this form on the same date that you do the inspections? A. Yes. Q. This form, does it include every inspection that Keramida does on every battery at the Clairton plant? A. Yes. Q. Okay. And so if you look at the top row, is that in the graved-out row, does that say "charging"? A. Yes. Q. And then the batteries are all listed on the 	
 6 7 8 9 10 11 12 13 14 15 16 17 18 	 Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet? A. Six to eight feet away, just to be safe. Q. Yeah, so you're pretty close to the doors? A. We're very close to the doors. Q. Do you recall let me back up. At the end of the day after you've or at the end of your shift after you finished all of your inspections, is there also a paper document that you fill out? A. Yes. Q. And what information do you put on that document? A. I record the particular batteries that I was 	5 6 7 8 9 10 11 12 13 14 15 16 17 18	 would be the one filling it out fils, and then filled it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information. Q. Do you fill out this form on the same date that you do the inspections? A. Yes. Q. This form, does it include every inspection that Keramida does on every battery at the Clairton plant? A. Yes. Q. Okay. And so if you look at the top row, is that in the grayed-out row, does that say "charging"? A. Yes. Q. And then the batteries are all listed on the column on the far left; is that correct? 	
 7 8 9 10 11 12 13 14 15 16 17 18 19 	 Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet? A. Six to eight feet away, just to be safe. Q. Yeah, so you're pretty close to the doors? A. We're very close to the doors. Q. Do you recall let me back up. At the end of the day after you've or at the end of your shift after you finished all of your inspections, is there also a paper document that you fill out? A. Yes. Q. And what information do you put on that document? A. I record the particular batteries that I was assumed with the number of door leaks, offtake leaks. 	5 6 7 8 9 10 11 12 13 14 15 16 17 18 15	 would be the one filling it out filst, and then i take it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information. Q. Do you fill out this form on the same date that you do the inspections? A. Yes. Q. This form, does it include every inspection that Keramida does on every battery at the Clairton plant? A. Yes. Q. Okay. And so if you look at the top row, is that in the grayed-out row, does that say "charging"? A. Yes. Q. And then the batteries are all listed on the column on the far left; is that correct? A. Yes. 	
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 	 Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet? A. Six to eight feet away, just to be safe. Q. Yeah, so you're pretty close to the doors? A. We're very close to the doors. Q. Do you recall let me back up. At the end of the day after you've or at the end of your shift after you finished all of your inspections, is there also a paper document that you fill out? A. Yes. Q. And what information do you put on that document? A. I record the particular batteries that I was assigned with the number of door leaks, offtake leaks, or lid leaks found at any particular battery. 	5 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 would be the dra filling it out filst, and that it extends it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information. Q. Do you fill out this form on the same date that you do the inspections? A. Yes. Q. This form, does it include every inspection that Keramida does on every battery at the Clairton plant? A. Yes. Q. Okay. And so if you look at the top row, is that in the graved-out row, does that say "charging"? A. Yes. Q. And then the batteries are all listed on the column on the far left; is that correct? A. Yes. Q. And so would this row have the results of the 	
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 	 Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet? A. Six to eight feet away, just to be safe. Q. Yeah, so you're pretty close to the doors? A. We're very close to the doors. Q. Do you recall let me back up. At the end of the day after you've or at the end of your shift after you finished all of your inspections, is there also a paper document that you fill out? A. Yes. Q. And what information do you put on that document? A. I record the particular batteries that I was assigned with the number of door leaks, offtake leaks, or lid leaks found at any particular battery. Q. Can you look at Exhibit 62? It would be in the 	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 would be the dra filling it out filst, and define take it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information. Q. Do you fill out this form on the same date that you do the inspections? A. Yes. Q. This form, does it include every inspection that Keramida does on every battery at the Clairton plant? A. Yes. Q. Okay. And so if you look at the top row, is that in the grayed-out row, does that say "charging"? A. Yes. Q. And then the batteries are all listed on the column on the far left; is that correct? A. Yes. Q. And so would this row have the results of the charging inspections at the 10 batteries that Keramida 	
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 	 Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet? A. Six to eight feet away, just to be safe. Q. Yeah, so you're pretty close to the doors? A. We're very close to the doors. Q. Do you recall let me back up. At the end of the day after you've or at the end of your shift after you finished all of your inspections, is there also a paper document that you fill out? A. Yes. Q. And what information do you put on that document? A. I record the particular batteries that I was assigned with the number of door leaks, offtake leaks, or lid leaks found at any particular battery. Q. Can you look at Exhibit 62? It would be in the second binder on page 12. 	5 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 would be the dra filling it out fils, and dial fields it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information. Q. Do you fill out this form on the same date that you do the inspections? A. Yes. Q. This form, does it include every inspection that Keramida does on every battery at the Clairton plant? A. Yes. Q. Okay. And so if you look at the top row, is that in the grayed-out row, does that say "charging"? A. Yes. Q. And then the batteries are all listed on the column on the far left; is that correct? A. Yes. Q. And so would this row have the results of the charging inspections at the 10 batteries that Keramida did on October 18th, 2017? 	
 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 	 Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet? A. Six to eight feet away, just to be safe. Q. Yeah, so you're pretty close to the doors? A. We're very close to the doors. Q. Do you recall let me back up. At the end of the day after you've or at the end of your shift after you finished all of your inspections, is there also a paper document that you fill out? A. Yes. Q. And what information do you put on that document? A. I record the particular batteries that I was assigned with the number of door leaks, offtake leaks, or lid leaks found at any particular battery. Q. Can you look at Exhibit 62? It would be in the second binder on page 12. A. Could you receat that page? 	10 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 would be the dra filling it out fils, and dial fields it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information. Q. Do you fill out this form on the same date that you do the inspections? A. Yes. Q. This form, does it include every inspection that Keramida does on every battery at the Clairton plant? A. Yes. Q. Okay. And so if you look at the top row, is that in the graved-out row, does that say "charging"? A. Yes. Q. And then the batteries are all listed on the column on the far left; is that correct? A. Yes. Q. And so would this row have the results of the charging inspections at the 10 batteries that Keramida did on October 18th, 2017? A. Yes. 	
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 	 Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet? A. Six to eight feet away, just to be safe. Q. Yeah, so you're pretty close to the doors? A. We're very close to the doors. Q. Do you recall let me back up. At the end of the day after you've or at the end of your shift after you finished all of your inspections, is there also a paper document that you fill out? A. Yes. Q. And what information do you put on that document? A. I record the particular batteries that I was assigned with the number of door leaks, offtake leaks, or lid leaks found at any particular battery. Q. Can you look at Exhibit 62? It would be in the second binder on page 12. A. Could you repeat that page? Q. Yeah, sorry. It's Exhibit 62. page 12. 	5 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 would be the dre filling it out fils, and define take it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information. Q. Do you fill out this form on the same date that you do the inspections? A. Yes. Q. This form, does it include every inspection that Keramida does on every battery at the Clairton plant? A. Yes. Q. Okay. And so if you look at the top row, is that in the grayed-out row, does that say "charging"? A. Yes. Q. And then the batteries are all listed on the column on the far left; is that correct? A. Yes. Q. And so would this row have the results of the charging inspections at the 10 batteries that Keramida did on October 18th, 2017? A. Yes. Q. And for the charging observations you did that 	
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 	 Q. Okay. And when you are inspecting on the bench, approximately how far away are you from the doors? Is it a couple of feet? A. Six to eight feet away, just to be safe. Q. Yeah, so you're pretty close to the doors? A. We're very close to the doors. Q. Do you recall let me back up. At the end of the day after you've or at the end of your shift after you finished all of your inspections, is there also a paper document that you fill out? A. Yes. Q. And what information do you put on that document? A. I record the particular batteries that I was assigned with the number of door leaks, offtake leaks, or lid leaks found at any particular battery. Q. Can you look at Exhibit 62? It would be in the second binder on page 12. A. Could you repeat that page? Q. Yeah, sorry. It's Exhibit 62, page 12. A. Yes. 	5 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 would be the dra filling it out fils, and dial fields it back to the trailer. It would be blank in the other spots. Then as the other inspectors finish their day, they fill in theirs, their information. Q. Do you fill out this form on the same date that you do the inspections? A. Yes. Q. This form, does it include every inspection that Keramida does on every battery at the Clairton plant? A. Yes. Q. Okay. And so if you look at the top row, is that in the grayed-out row, does that say "charging"? A. Yes. Q. And then the batteries are all listed on the column on the far left; is that correct? A. Yes. Q. And so would this row have the results of the charging inspections at the 10 batteries that Keramida did on October 18th, 2017? A. Yes. Q. And for the charging observations you did that day, how would we know which ones you did? 	

		737		739
1	A. Under the observer name, it's my initials.		1 observations; is that correct?	
2	Q. Okay. And so when you're filling out your		2 A. That's connect, no Method 9.	
3	portion of this form, you use your initials under the		3 Q. Okay. You've never seen the source testing	
4	observer column?		4 manual?	
5	A. Correct.		5 A. No.	
6	$Q. \ \ \mbox{And so any that say "MD" would be you?}$		\boldsymbol{G} $\qquad Q.$ You've never had any training on the source	
7	A. Connect.		7 testing manual?	
8	Q. And what does the time column represent?		8 A. No.	
9	A. That's the time we start our traverse to the time		9 Q. You don't follow the methods in the source	
10	we end our traverse, and the time we start the charge		10 testing manual?	
11	until the charge has ended on the charging section.	:	1 A. No.	
12	${f Q}.$ And where do you get the information on the time?	:	.2 Q. You've never received any training on EPA Method	t
13	A. We use a stopwatch for start and stop times.	:	.3 109?	
14	Q. Okay. The next column over it says,		4 A. No.	
15	"SIP/NESHAP." Is that where you record the results of	:	5 Q. You don't follow Method 109 with your	
16	your inspections?	1	6 inspections?	
17	A. Yes.		7 A. No.	
18	${\sf Q}.$ Okay. And underneath the charging row, is that	1	8 MR. DAUSCH: That's all I have. Thank you, sir.	
19	the door inspections?	1	9 HEARING OFFICER SLATER: Mr. Willis, did you have	5
20	A. No, that's the — that's charging.	2	0 same questions for Mr. Dvorsky?	
21	${f Q}.$ Right. So there's a charging row on the top	2	1 MR. WILLIS: Sure.	
22	which has all the batteries, correct?	2	2 CROSS-EXAMINATION	
23	A. Right.	2	3 BY MR. WILLIS:	
24	Q. Underneath that, what's next?	2	4 Q. Have you ever heard of Method 109?	
25	A. Oh, it says "doors."	2	5 A. I've heard of it.	
		700		214.0
1	\mathbf{Q} . Okay. And this would include all of the results	738	1 Q. But you've never seen it?	740
1 2	Q. Okay. And this would include all of the results for the door inspections for that day?	738	 Q. But you've never seen it? A. Never seen it. 	740
1 2 3	Q. Okay. And this would include all of the results for the door inspections for that day?A. Yes.	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any 	740
1 2 3 4	Q. Okay. And this would include all of the results for the door inspections for that day?A. Yes.Q. And this would identify all of the Keramida	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from 	740
1 2 3 4 5	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yes. Q. And this would identify all of the Keramida inspectors who did these observations? 	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? 	740
1 2 3 4 5 6	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yes. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yes. 	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. 	740
1 2 3 4 5 6 7	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yes. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yes. Q. Okay. Underneath doors is offtakes? 	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. Q. Have you ever seen emissions from a distance? 	740
1 2 3 4 5 6 7 8	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yes. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yes. Q. Okay. Underneath doors is offtakes? A. Yes. 	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. Q. Have you ever seen emissions from a distance? A. I've seen a door fire, but I'm not really paying 	740
1 2 3 4 5 6 7 8 9	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yes. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yes. Q. Okay. Underneath doors is offtakes? A. Yes. Q. And this row would include all of the offtake 	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. Q. Have you ever seen emissions from a distance? A. I've seen a door fire, but I'm not really paying attention to the other battery per se when I'm 	740
1 2 3 4 5 6 7 8 9 10	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yes. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yes. Q. Okay. Underneath doors is offtakes? A. Yes. Q. And this row would include all of the offtake inspections that the Keramida inspectors did on this 	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. Q. Have you ever seen emissions from a distance? A. I've seen a door fire, but I'm not really paying attention to the other battery per se when I'm concentrating on my battery that I an doing right there. 	740
1 2 3 4 5 6 7 8 9 10 11	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yes. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yes. Q. Okay. Underneath doors is offtakes? A. Yes. Q. And this row would include all of the offtake inspections that the Keramida inspectors did on this date? 	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. Q. Have you ever seen emissions from a distance? A. I've seen a door fire, but I'm not really paying attention to the other battery per se when I'm concentrating on my battery that I am doing right there. But, you know, I'm not looking for emissions from afar. 	740
1 2 3 4 5 6 7 8 9 10 11 12	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yes. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yes. Q. Okay. Underneath doors is offtakes? A. Yes. Q. And this row would include all of the offtake inspections that the Keramida inspectors did on this date? A. That is correct. 	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. Q. Have you ever seen emissions from a distance? A. I've seen a door fire, but I'm not really paying attention to the other battery per se when I'm concentrating on my battery that I an doing right there. But, you know, I'm not looking for emissions from afar. Q. Well, I'm just wondering if you've seen them. 	740
1 2 3 4 5 6 7 8 9 10 11 12 13	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yee. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yee. Q. Okay. Underneath doors is offtakes? A. Yee. Q. And this row would include all of the offtake inspections that the Keramida inspectors did on this date? A. That is correct. Q. Okay. And then the final row is lids, correct? 	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. Q. Have you ever seen emissions from a distance? A. I've seen a door fire, but I'm not really paying attention to the other battery per se when I'm concentrating on my battery that I an doing right there. But, you know, I'm not looking for emissions from afar. Q. Well, I'm just wondering if you've seen them. 	740
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yes. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yes. Q. Okay. Underneath doors is offtakes? A. Yes. Q. And this row would include all of the offtake inspections that the Keramida inspectors did on this date? A. That is correct. Q. Okay. And then the final row is lids, correct? A. Yes. 	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. Q. Have you ever seen emissions from a distance? A. I've seen a door fire, but I'm not really paying attention to the other battery per se when I'm concentrating on my battery that I an doing right there. But, you know, I'm not looking for emissions from afar. Q. Well, I'm just wondering if you've seen them. A. No. Q. Okay. Now, you say you've done Method 303 with 	740
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yes. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yes. Q. Okay. Underneath doors is offtakes? A. Yes. Q. And this row would include all of the offtake inspections that the Keramida inspectors did on this date? A. That is correct. Q. Okay. And then the final row is lids, correct? A. Yes. Q. And this would include all of the lid inspections 	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. Q. Have you ever seen emissions from a distance? A. I've seen a door fire, but I'm not really paying attention to the other battery per se when I'm concentrating on my battery that I an doing right there. But, you know, I'm not looking for emissions from afar. Q. Well, I'm just wondering if you've seen them. A. No. Q. Okay. Now, you say you've done Method 303 with respect to the coke side of Battery B? 	740
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yee. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yee. Q. Okay. Underneath doors is offtakes? A. Yees. Q. And this row would include all of the offtake inspections that the Keramida inspectors did on this cate? A. That is correct. Q. Okay. And then the final row is lids, correct? A. Yees. Q. And this would include all of the lid inspections that the Keramida inspectors did the lid inspections that the Keramida inspectors did that day? 	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. Q. Have you ever seen emissions from a distance? A. I've seen a door fire, but I'm not really paying attention to the other battery per se when I'm concentrating on my battery that I an doing right there. But, you know, I'm not looking for emissions from afar. Q. Well, I'm just wondering if you've seen them. A. No. Q. Okay. Now, you say you've done Method 303 with respect to the coke side of Battery B? A. Yes. 	740
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yes. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yes. Q. Okay. Underneath doors is offtakes? A. Yes. Q. And this row would include all of the offtake inspections that the Keramida inspectors did on this date? A. That is correct. Q. Okay. And then the final row is lids, correct? A. Yes. Q. And this would include all of the lid inspections that the Keramida inspectors did that day? A. Yes. 	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. Q. Have you ever seen emissions from a distance? A. I've seen a door fire, but I'm not really paying attention to the other battery per se when I'm concentrating on my battery that I an doing right there. But, you know, I'm not looking for emissions from afar. Q. Well, I'm just wondering if you've seen them. A. No. Q. Okay. Now, you say you've done Method 303 with respect to the coke side of Battery B? A. Yes. Q. Are the emissions greater on the coke side of 	740
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yes. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yes. Q. Okay. Underneath doors is offtakes? A. Yes. Q. And this row would include all of the offtake inspections that the Keramida inspectors did on this date? A. That is correct. Q. Okay. And then the final row is lids, correct? A. Yes. Q. And this would include all of the lid inspections that the Keramida inspectors did that day? A. Yes. Q. And this would include all of the lid inspections that the Keramida inspectors did that day? A. Yes. Q. And those are the four types of inspections that 	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. Q. Have you ever seen emissions from a distance? A. I've seen a door fire, but I'm not really paying attention to the other battery per se when I'm concentrating on my battery that I am doing right there. But, you know, I'm not looking for emissions from afar. Q. Well, I'm just wondering if you've seen them. A. No. Q. Okay. Now, you say you've done Method 303 with respect to the coke side of Battery B? A. Yes. Q. Are the emissions greater on the coke side of that battery as opposed to the push side of that 	740
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yee. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yee. Q. Okay. Underneath doors is offtakes? A. Yee. Q. And this row would include all of the offtake inspections that the Keramida inspectors did on this date? A. Yee. Q. Okay. And then the final row is lids, correct? A. Yee. Q. And this would include all of the lid inspections that the Keramida inspectors did that day? A. Yee. Q. And this would include all of the lid inspections that the Keramida inspectors did that day? A. Yee. Q. And those are the four types of inspections that Keramida does on a given day, correct? 	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. Q. Have you ever seen emissions from a distance? A. I've seen a door fire, but I'm not really paying attention to the other battery per se when I'm concentrating on my battery that I an doing right there. But, you know, I'm not looking for emissions from afar. Q. Well, I'm just wondering if you've seen them. A. No. Q. Okay. Now, you say you've done Method 303 with respect to the coke side of Battery B? A. Yes. Q. Are the emissions greater on the coke side of that battery as opposed to the push side of that battery? 	740
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yee. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yes. Q. Okay. Underneath doors is offtakes? A. Yes. Q. And this row would include all of the offtake inspections that the Keramida inspectors did on this date? A. That is correct. Q. Okay. And then the final row is lids, correct? A. Yes. Q. And this would include all of the lid inspections that the Keramida inspectors did that day? A. Yes. Q. And this would include all of the lid inspections that the Keramida inspectors did that day? A. Yes. Q. And those are the four types of inspections that Keramida does on a given day, correct? A. Yes. 	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. Q. Have you ever seen emissions from a distance? A. I've seen a door fire, but I'm not really paying attention to the other battery per se when I'm concentrating on my battery that I am doing right there. But, you know, I'm not looking for emissions from afar. Q. Well, I'm just wondering if you've seen them. A. No. Q. Okay. Now, you say you've done Method 303 with respect to the coke side of Battery B? A. Yes. Q. Are the emissions greater on the coke side of that battery as opposed to the push side of that battery? A. Yes. 	740
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yee. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yee. Q. Okay. Underneath doors is offtakes? A. Yee. Q. And this row would include all of the offtake inspections that the Keramida inspectors did on this date? A. That is connect. Q. Okay. And then the final row is lids, correct? A. Yee. Q. And this would include all of the lid inspections that the Keramida inspectors did that day? A. Yee. Q. And those are the four types of inspections that Keramida does on a given day, correct? A. Yee. Q. Charging, doors, offtakes and lids, correct? 	738]]]]]]]]]]]]]]]]]]]	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. Q. Have you ever seen emissions from a distance? A. I've seen a door fire, but I'm not really paying attention to the other battery per se when I'm concentrating on my battery that I am doing right there. But, you know, I'm not looking for emissions from afar. Q. Well, I'm just wondering if you've seen them. A. Yes. Q. Are the emissions greater on the coke side of that battery? A. Yes. Q. Okay. 	740
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yee. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yee. Q. Okay. Underneath doors is offtakes? A. Yee. Q. And this row would include all of the offtake inspections that the Keramida inspectors did on this date? A. Yee. Q. Okay. And then the final row is lids, correct? A. Yee. Q. And this would include all of the lid inspections that the Keramida inspectors did that day? A. Yee. Q. And this would include all of the lid inspections that the Keramida inspectors did that day? A. Yee. Q. And those are the four types of inspections that Keramida does on a given day, correct? A. Yee. Q. Charging, doors, offtakes and lids, correct? A. Yee. 	738 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. Q. Have you ever seen emissions from a distance? A. I've seen a door fire, but I'm not really paying attention to the other battery per se when I'm concentrating on my battery that I an doing right there. But, you know, I'm not looking for emissions from afar. Q. Well, I'm just wondering if you've seen them. A. Yes. Q. Are the emissions greater on the coke side of that battery as opposed to the push side of that battery? A. Yes. Q. Okay. MR. WILLIS: That's all I have. 	740
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yee. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yes. Q. Okay. Underneath doors is offtakes? A. Yes. Q. And this row would include all of the offtake inspections that the Keramida inspectors did on this date? A. That is correct. Q. And this would include all of the lid inspections that the Keramida inspectors did that day? A. Yes. Q. And this would include all of the lid inspections that the Keramida inspectors did that day? A. Yes. Q. And those are the four types of inspections that Keramida does on a given day, correct? A. Yes. Q. Charging, doors, offtakes and lids, correct? A. Yes. Q. These inspections are all pursuant to Method 303? 	738]]]]]]]]]]]]]]]]]]]	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. Q. Have you ever seen emissions from a distance? A. I've seen a door fire, but I'm not really paying attention to the other battery per se when I'm concentrating on my battery that I am doing right there. But, you know, I'm not looking for emissions from afar. Q. Well, I'm just wondering if you've seen them. A. Yes. Q. Are the emissions greater on the coke side of that battery as opposed to the push side of that battery? A. Yes. Q. Okay. MR. WILLIS: That's all I have. HEARING OFFICER SLATER: Any redirect? 	740
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Q. Okay. And this would include all of the results for the door inspections for that day? A. Yes. Q. And this would identify all of the Keramida inspectors who did these observations? A. Yes. Q. Okay. Underneath doors is offtakes? A. Yes. Q. And this row would include all of the offtake inspections that the Keramida inspectors did on this date? A. That is connect. Q. Okay. And then the final row is lids, correct? A. Yes. Q. And this would include all of the lid inspections that the Keramida inspectors did that day? A. Yes. Q. And those are the four types of inspections that Keramida does on a given day, correct? A. Yes. Q. Charging, doors, offtakes and lids, correct? A. Yes. Q. These inspections are all pursuant to Method 303? A. Yes. 	738	 Q. But you've never seen it? A. Never seen it. Q. Okay. When you are on the topside of any particular battery, can you see other batteries from your vantage point? A. You can see some of them in a distance, yes. Q. Have you ever seen emissions from a distance? A. I've seen a door fire, but I'm not really paying attention to the other battery per se when I'm concentrating on my battery that I an doing right there. But, you know, I'm not looking for emissions from afar. Q. Well, I'm just wondering if you've seen them. A. Yee. Q. Are the emissions greater on the coke side of that battery as opposed to the push side of that battery? A. Yee. Q. Okay. MR. WILLIS: That's all I have. HEARING OFFICER SLATER: Any redirect? MR. DAUSCH: No, nothing else. 	740

		741			743
1	step down.		1	A. The transmission of light through a smoke plume.	
2	MR. DVORSKY: Thank you.		2	${\bf Q}.$ Okay. When you do an opacity reading pursuant to	
3	MR. DAUSCH: Mr. Slater, all of the Keramida came		3	Method 9, what are you doing?	
4	as third parties with their attorney. So they might		4	A. I am looking through a smoke plume to see how	
5	want to I'm not sure if they are planning to leave,		5	much of the background light comes through that plume.	
6	but we can give them time if they want to step out.		6	${\sf Q}.$ Okay. When you do a reading, do you record some	
7	HEARING OFFICER SLATER: Okay.		7	type of percentage, or what's the scale?	
8	(The hearing recessed at 2:29 p.m. and reconvened		8	A. Zero to 100 percent in five percent increments.	
9	at 2:43 p.m.)		9	${\sf Q}.~$ And what's the difference between a zero percent	
10	HEARING OFFICER SLATER: Let's go back on the		10	reading and a 100 percent reading of opacity?	
11	record.		11	A. A zero percent reading, there would be no	
12	Mr. Dausch, you may call your next witness.		12	obstruction to the background; a 100 percent reading,	
13	MR. DAUSCH: Yeah, we are going to call Gary		13	you would not be able to see any of the background.	
14	Downard, please.		14	${\sf Q}.$ Okay. And so zero percent, you could see	
15	GARY DOWNARD, called as a witness, being duly		15	completely through a plume?	
16	sworn by the court reporter, testified as follows:		16	A. Well, zero percent would — there wouldn't be a	
17	DIRECT EXAMINATION		17	plume.	
18	BY MR. DAUSCH:		18	${\mathbb Q}.$ Okay. And a hundred percent, there would be a	
19	$Q.\;$ Sir, can you state and spell your full name for		19	plume that you couldn't see through?	
20	the record, please?		20	A. Correct.	
21	A. Gary Downard, D-O-W-N-A-R-D.	1	21	${\sf Q}.$ When you do your readings at Clairton for either	
22	${\sf Q}.~$ And, Mr. Downard, you are an employee of the	1	22	visible emissions at the fugitive battery points or for	
23	Allegheny County Health Department?	12	23	opacity, you are not using any scientific equipment that	
24	A. Yes.	12	24	measures emissions; is that right?	
25	Q. You are a coke oven process technician?		25	A. That's connect.	
		742			744
1 2 3 4 5 6 7	 A. Correct. Q. You started working at the county in 2013? A. That's correct. Q. And you have been a coke oven process technician the entire time you've worked at the county? A. Yes. Q. And you're one of two coke oven process technicians that works full time at the Clairton plant? 	742	1 2 3 4 5 6 7	 Q. You are using your eyes? A. Yes. Q. The inspections that you do at Clairton that don't involve opacity readings, what are those? A. That would be topside inspection, inspecting the leaks from the standpipes and lid inspection, inspecting leaks from the charging port lids. That would be pretty right it 	744
1 2 3 4 5 6 7 8 9	 A. Connect. Q. You started working at the county in 2013? A. That's connect. Q. And you have been a coke oven process technician the entire time you've worked at the county? A. Yes. Q. And you're one of two coke oven process technicians that works full time at the Clairton plant? A. Yes. 	742	1 2 3 4 5 6 7 8 9	 Q. You are using your eyes? A. Yes. Q. The inspections that you do at Clairton that don't involve opacity readings, what are those? A. That would be topside inspection, inspecting the leaks from the standpipes and lid inspection, inspecting leaks from the charging port lids. That would be pretty much it. Q. What about charging itself, do you do charging 	744
1 2 3 4 5 6 7 8 9	 A. Correct. Q. You started working at the county in 2013? A. That's correct. Q. And you have been a coke oven process technician the entire time you've worked at the county? A. Yes. Q. And you're one of two coke oven process technicians that works full time at the Clairton plant? A. Yes. Q. You work with Angela Crowley, who is the other 	742	1 2 3 4 5 6 7 8 9	 Q. You are using your eyes? A. Yes. Q. The inspections that you do at Clairton that don't involve opacity readings, what are those? A. That would be topside inspection, inspecting the leaks from the standpipes and lid inspection, inspecting leaks from the charging port lids. That would be pretty much it. Q. What about charging itself, do you do charging observations for visible emissions? 	744
1 2 3 4 5 6 7 8 9 10 11	 A. Connect. Q. You started working at the county in 2013? A. That's connect. Q. And you have been a coke oven process technician the entire time you've worked at the county? A. Yes. Q. And you're one of two coke oven process technicians that works full time at the Clairton plant? A. Yes. Q. You work with Angela Crowley, who is the other inspector; is that correct? 	742	1 2 3 4 5 6 7 8 9	 Q. You are using your eyes? A. Yes. Q. The inspections that you do at Clairton that don't involve opacity readings, what are those? A. That would be topside inspection, inspecting the leaks from the standpipes and lid inspection, inspecting leaks from the charging port lids. That would be pretty much it. Q. What about charging itself, do you do charging observations for visible emissions? A. Yes. 	744
1 2 3 4 5 6 7 8 9 10 11 12	 A. Connect. Q. You started working at the county in 2013? A. That's connect. Q. And you have been a coke oven process technician the entire time you've worked at the county? A. Yes. Q. And you're one of two coke oven process technicians that works full time at the Clairton plant? A. Yes. Q. You work with Angela Crowley, who is the other inspector; is that correct? A. Connect. 	742	1 2 3 4 5 6 7 8 9 10	 Q. You are using your eyes? A. Yes. Q. The inspections that you do at Clairton that don't involve opacity readings, what are those? A. That would be topside inspection, inspecting the leaks from the standpipes and lid inspection, inspecting leaks from the charging port lids. That would be pretty much it. Q. What about charging itself, do you do charging observations for visible emissions? A. Yes. Q. Okay. That's not an opacity reading, correct? 	744
1 2 3 4 5 6 7 8 9 10 11 12 13	 A. Correct. Q. You started working at the county in 2013? A. That's correct. Q. And you have been a coke oven process technician the entire time you've worked at the county? A. Yes. Q. And you're one of two coke oven process technicians that works full time at the Clairton plant? A. Yes. Q. You work with Angela Crowley, who is the other inspector; is that correct? A. Correct. Q. And has Ms. Crowley worked at the Clairton plant 	742	1 2 3 4 5 6 7 8 9 10 11 22 .3	 Q. You are using your eyes? A. Yes. Q. The inspections that you do at Clairton that don't involve opacity readings, what are those? A. That would be topside inspection, inspecting the leaks from the standpipes and lid inspection, inspecting leaks from the charging port lids. That would be pretty much it. Q. What about charging itself, do you do charging observations for visible emissions? A. Yes. Q. Okay. That's not an opacity reading, correct? A. No. 	744
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 A. Correct. Q. You started working at the county in 2013? A. That's correct. Q. And you have been a coke oven process technician the entire time you've worked at the county? A. Yes. Q. And you're one of two coke oven process technicians that works full time at the Clairton plant? A. Yes. Q. You work with Angela Crowley, who is the other inspector; is that correct? A. Correct. Q. And has Ms. Crowley worked at the Clairton plant the entire time you have also worked at the Clairton 	742	1 2 3 4 5 6 7 8 9 0 0 1 2 2 3 4	 Q. You are using your eyes? A. Yes. Q. The inspections that you do at Clairton that don't involve opacity readings, what are those? A. That would be topside inspection, inspecting the leaks from the standpipes and lid inspection, inspecting leaks from the charging port lids. That would be pretty much it. Q. What about charging itself, do you do charging observations for visible emissions? A. Yes. Q. Okay. That's not an opacity reading, correct? A. No. Q. I'm right? 	744
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 A. Connect. Q. You started working at the county in 2013? A. That's connect. Q. And you have been a coke oven process technician the entire time you've worked at the county? A. Yes. Q. And you're one of two coke oven process technicians that works full time at the Clairton plant? A. Yes. Q. You work with Angela Crowley, who is the other inspector; is that correct? A. Connect. Q. And has Ms. Crowley worked at the Clairton plant the entire time you have also worked at the Clairton plant? 	742	1 2 3 4 5 6 7 8 9 10 11 2 3 4 5	 Q. You are using your eyes? A. Yes. Q. The inspections that you do at Clairton that don't involve opacity readings, what are those? A. That would be topside inspection, inspecting the leaks from the standpipes and lid inspection, inspecting leaks from the charging port lids. That would be pretty much it. Q. What about charging itself, do you do charging observations for visible emissions? A. Yes. Q. Okay. That's not an opacity reading, correct? A. No. Q. I'm right? A. It's not an opacity reading. 	744
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 A. Connect. Q. You started working at the county in 2013? A. That's connect. Q. And you have been a coke oven process technician the entire time you've worked at the county? A. Yes. Q. And you're one of two coke oven process technicians that works full time at the Clairton plant? A. Yes. Q. You work with Angela Crowley, who is the other inspector; is that correct? A. Connect. Q. And has Ms. Crowley worked at the Clairton plant the entire time you have also worked at the Clairton plant? A. Yes. 	742	1 2 3 4 5 6 7 8 9 0 11 2 2 3 4 5 6 7 8 9 0 11 2 2 3 4 5 6 7 8 9 10 11 2 2 3 4 5 6 7 8 9 10 11 2 2 3 4 5 6 6 7 8 9 10 11 10 10 10 10 10 10 10 10 10 10 10	 Q. You are using your eyes? A. Yes. Q. The inspections that you do at Clairton that don't involve opacity readings, what are those? A. That would be topside inspection, inspecting the leaks from the standpipes and lid inspection, inspecting leaks from the charging port lids. That would be pretty much it. Q. What about charging itself, do you do charging observations for visible emissions? A. Yes. Q. Okay. That's not an opacity reading, correct? A. No. Q. I'm right? A. It's not an opacity reading. Q. Okay. Do you do inspections for door leaks that 	744
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 A. Connect. Q. You started working at the county in 2013? A. That's connect. Q. And you have been a coke oven process technician the entire time you've worked at the county? A. Yes. Q. And you're one of two coke oven process technicians that works full time at the Clairton plant? A. Yes. Q. You work with Angela Crowley, who is the other inspector; is that correct? A. Connect. Q. And has Ms. Crowley worked at the Clairton plant the entire time you have also worked at the Clairton plant? A. Yes. Q. What you do on a daily basis is you do visual for 	742	1 2 3 4 5 6 7 8 9 0 1 1 2 3 4 5 6 7 8 9 0 1 1 2 3 4 5 6 7 8 9 0 1 1 2 3 4 5 6 7 8 9 0 1 1 2 3 4 5 6 7 7 8 9 0 0 1 1 2 3 4 5 5 6 7 7 8 9 0 1 2 3 4 5 5 6 7 7 8 9 0 1 2 3 4 5 5 6 7 7 8 9 10 1 2 3 4 5 5 6 7 7 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	 Q. You are using your eyes? A. Yes. Q. The inspections that you do at Clairton that don't involve opacity readings, what are those? A. That would be topside inspection, inspecting the leaks from the standpipes and lid inspection, inspecting leaks from the charging port lids. That would be pretty much it. Q. What about charging itself, do you do charging observations for visible emissions? A. Yes. Q. Okay. That's not an opacity reading, correct? A. No. Q. I'm right? A. It's not an opacity reading. Q. Okay. Do you do inspections for door leaks that aren't opacity readings? 	744
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. Correct. Q. You started working at the county in 2013? A. That's correct. Q. And you have been a coke oven process technician the entire time you've worked at the county? A. Yes. Q. And you're one of two coke oven process technicians that works full time at the Clairton plant? A. Yes. Q. You work with Angela Crowley, who is the other inspector; is that correct? A. Correct. Q. And has Ms. Crowley worked at the Clairton plant the entire time you have also worked at the Clairton plant? A. Yes. Q. What you do on a daily basis is you do visual for visual emissions at the batteries; is that fair? 	742	1 2 3 4 5 6 7 8 9 0 0 1 1 2 2 3 4 5 6 7 8 9 0 0 1 2 2 3 4 5 6 7 8 9 0 0 1 2 2 3 4 5 6 7 8 9 0 0 1 1 2 2 3 4 5 6 7 8 9 0 0 1 1 2 3 4 5 6 6 7 8 9 0 0 1 1 2 3 4 5 6 6 7 8 9 0 0 1 1 2 5 6 6 7 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	 Q. You are using your eyes? A. Yes. Q. The inspections that you do at Clairton that don't involve opacity readings, what are those? A. That would be topside inspection, inspecting the leaks from the standpipes and lid inspection, inspecting leaks from the charging port lids. That would be pretty much it. Q. What about charging itself, do you do charging observations for visible emissions? A. Yes. Q. Okay. That's not an opacity reading, correct? A. No. Q. I'm right? A. It's not an opacity reading. Q. Okay. Do you do inspections for door leaks that aren't opacity reading? A. No. 	744
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 A. Correct. Q. You started working at the county in 2013? A. That's correct. Q. And you have been a coke oven process technician the entire time you've worked at the county? A. Yes. Q. And you're one of two coke oven process technicians that works full time at the Clairton plant? A. Yes. Q. You work with Angela Crowley, who is the other inspector; is that correct? A. Correct. Q. And has Ms. Crowley worked at the Clairton plant the entire time you have also worked at the Clairton plant? A. Yes. Q. What you do on a daily basis is you do visual for visual emissions at the batteries; is that fair? A. Yes. 	742	1 2 3 4 5 6 7 8 9 10 11 2 3 4 5 6 7 8 9 10 11 2 3 4 5 6 7 8 9 10 11 2 3 4 5 6 7 8 9 10 11 2 3 4 5 6 7 8 9 10 11 2 3 4 5 6 7 8 9 10 11 2 3 4 5 6 7 8 9 10 11 10 10 11 10 10 10 10 10 10 10 10	 Q. You are using your eyes? A. Yes. Q. The inspections that you do at Clairton that don't involve opacity readings, what are those? A. That would be topside inspection, inspecting the leaks from the standpipes and lid inspection, inspecting leaks from the charging port lids. That would be pretty much it. Q. What about charging itself, do you do charging observations for visible emissions? A. Yes. Q. Okay. That's not an opacity reading, correct? A. No. Q. I'm right? A. It's not an opacity reading. Q. Okay. Do you do inspections for door leaks that aren't opacity readings? A. No. Q. Okay. So all of your door leak inspections are 	744
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 A. Correct. Q. You started working at the county in 2013? A. That's correct. Q. And you have been a coke oven process technician the entire time you've worked at the county? A. Yes. Q. And you're one of two coke oven process technicians that works full time at the Clairton plant? A. Yes. Q. You work with Angela Crowley, who is the other inspector; is that correct? A. Correct. Q. And has Ms. Crowley worked at the Clairton plant the entire time you have also worked at the Clairton plant plant? A. Yes. Q. What you do on a daily basis is you do visual for visual emissions at the batteries; is that fair? A. Yes. Q. You do inspections for visible emissions at 	742	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 0 1 2 5 6 7 8 9 0 0 1 2 5 6 7 8 9 0 0 1 2 5 6 7 8 9 0 0 1 2 5 6 7 8 9 0 0 1 2 5 6 7 8 9 0 0 1 2 5 6 7 8 9 0 0 1 2 5 6 7 8 9 0 0 1 2 5 6 7 8 9 0 0 1 2 5 6 7 8 9 0 0 1 1 2 5 6 7 8 9 0 0 1 2 5 8 9 0 0 1 2 5 8 9 0 0 1 2 5 8 9 0 1 2 5 8 9 1 2 5 8 9 1 2 5 8 9 1 2 5 8 9 1 2 5 1 2 5 8 9 1 2 5 8 9 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 5 7 7 8 9 1 2 5 1 2 1 2	 Q. You are using your eyes? A. Yes. Q. The inspections that you do at Clairton that don't involve opacity readings, what are those? A. That would be topside inspection, inspecting the leaks from the standpipes and lid inspection, inspecting leaks from the charging port lids. That would be pretty much it. Q. What about charging itself, do you do charging observations for visible emissions? A. Yes. Q. Okay. That's not an opacity reading, correct? A. No. Q. I'm right? A. It's not an opacity reading. Q. Okay. Do you do inspections for door leaks that aren't opacity readings? A. No. Q. Okay. So all of your door leak inspections are just for opacity? 	744
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 A. Correct. Q. You started working at the county in 2013? A. That's correct. Q. And you have been a coke oven process technician the entire time you've worked at the county? A. Yes. Q. And you're one of two coke oven process technicians that works full time at the Clairton plant? A. Yes. Q. You work with Angela Crowley, who is the other inspector; is that correct? A. Correct. Q. And has Ms. Crowley worked at the Clairton plant the entire time you have also worked at the Clairton plant plant? A. Yes. Q. What you do on a daily basis is you do visual for visual emissions at the batteries; is that fair? A. Yes. Q. You do inspections for visible emissions at different fugitive emission points at the batteries? 	742	1 2 3 4 5 6 7 8 9 0 0 1 2 2 3 4 5 6 7 8 9 0 0 1 2 2 3 4 5 6 7 8 9 0 0 1 2 2 3 4 5 6 7 8 9 0 0 1 2 2 3 4 5 6 7 8 9 0 0 1 1 2 3 4 5 6 7 8 9 0 0 1 1 2 3 4 5 6 7 8 9 0 0 1 1 2 3 4 5 6 7 8 9 0 0 1 1 2 3 4 5 6 7 8 9 0 0 1 1 2 3 4 5 6 7 8 9 0 0 1 1 2 3 4 5 5 6 7 8 9 0 0 1 1 2 3 4 5 5 6 7 8 9 0 0 1 1 2 3 4 5 5 7 8 9 0 0 1 1 2 3 4 5 5 7 8 9 0 0 1 1 2 3 4 5 5 7 8 9 0 0 1 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 2 3	 Q. You are using your eyes? A. Yes. Q. The inspections that you do at Clairton that don't involve opacity readings, what are those? A. That would be topside inspection, inspecting the leaks from the standpipes and lid inspection, inspecting leaks from the charging port lids. That would be pretty much it. Q. What about charging itself, do you do charging observations for visible emissions? A. Yes. Q. Okay. That's not an opacity reading, correct? A. No. Q. I'm right? A. It's not an opacity reading. Q. Okay. Do you do inspections for door leaks that aren't opacity readings? A. No. Q. Okay. So all of your door leak inspections are just for opacity? 	744
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 A. Correct. Q. You started working at the county in 2013? A. That's correct. Q. And you have been a coke oven process technician the entire time you've worked at the county? A. Yes. Q. And you're one of two coke oven process technicians that works full time at the Clairton plant? A. Yes. Q. You work with Angela Crowley, who is the other inspector; is that correct? A. Correct. Q. And has Ms. Crowley worked at the Clairton plant the entire time you have also worked at the Clairton plant plant? A. Yes. Q. What you do on a daily basis is you do visual for visual emissions at the batteries; is that fair? A. Yes. Q. You do inspections for visible emissions at different fugitive emission points at the batteries? A. Yes. 	742	1 2 3 4 5 6 7 8 9 0 0 1 2 2 3 4 5 6 7 8 9 0 0 1 2 2 3 4 5 6 7 8 9 0 0 1 2 3 4 5 6 7 8 9 0 0 1 2 3 4 5 6 7 8 9 0 0 1 1 2 3 4 5 6 7 8 9 0 0 1 1 2 3 4 5 6 7 8 9 0 0 1 1 2 3 4 5 6 7 8 9 0 0 1 1 2 3 4 5 5 6 7 8 9 0 0 1 1 2 3 4 5 5 6 7 8 9 0 0 1 1 2 3 4 5 5 6 7 8 9 0 0 1 1 2 3 7 8 9 0 0 1 1 2 3 8 9 0 0 1 1 2 3 1 2 3 7 8 9 0 0 1 1 2 3 2 3	 Q. You are using your eyes? A. Yes. Q. The inspections that you do at Clairton that don't involve opacity readings, what are those? A. That would be topside inspection, inspecting the leaks from the standpipes and lid inspection, inspecting leaks from the charging port lids. That would be pretty much it. Q. What about charging itself, do you do charging observations for visible emissions? A. Yes. Q. Okay. That's not an opacity reading, correct? A. No. Q. I'm right? A. It's not an opacity reading. Q. Okay. Do you do inspections for door leaks that aren't opacity readings? A. No. Q. Okay. So all of your door leak inspections are just for opacity? A. Well, they - no. Well, they - there's an inspection where the number of door leaks is added up, 	744
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 A. Correct. Q. You started working at the county in 2013? A. That's correct. Q. And you have been a coke oven process technician the entire time you've worked at the county? A. Yes. Q. And you're one of two coke oven process technicians that works full time at the Clairton plant? A. Yes. Q. You work with Angela Crowley, who is the other inspector; is that correct? A. Correct. Q. And has Ms. Crowley worked at the Clairton plant the entire time you have also worked at the Clairton plant plant? A. Yes. Q. What you do on a daily basis is you do visual for visual emissions at the batteries; is that fair? A. Yes. Q. You do inspections for visible emissions at the batteries? A. Yes. Q. You also do opacity estimations using Method 9? 	742	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 0 1 2 3 4 5 6 7 8 9 0 0 1 2 3 4 5 6 7 8 9 0 0 1 2 3 4 5 6 7 8 9 0 0 1 2 3 4 5 6 7 8 9 0 0 1 2 3 4 5 6 7 8 9 0 0 1 2 3 4 5 6 7 8 9 0 0 1 2 3 4 5 5 6 7 8 9 0 0 1 2 3 8 9 0 1 2 3 8 9 0 1 2 3 8 9 0 1 2 3 8 9 0 1 2 3 8 9 0 1 2 3 8 9 1 2 3 8 9 1 2 3 8 9 1 2 3 1 2 1 2	 Q. You are using your eyes? A. Yes. Q. The inspections that you do at Clairton that don't involve opacity readings, what are those? A. That would be topside inspection, inspecting the leaks from the standpipes and lid inspection, inspecting leaks from the standpipes and lid inspection, inspecting leaks from the charging port lids. That would be pretty much it. Q. What about charging itself, do you do charging observations for visible emissions? A. Yes. Q. Okay. That's not an opacity reading, correct? A. No. Q. I'm right? A. It's not an opacity reading. Q. Okay. Do you do inspections for door leaks that aren't opacity readings? A. No. Q. Okay. So all of your door leak inspections are just for opacity? A. Well, they - no. Well, they - there's an inspection where the number of door leaks is added up, but we do assign an opacity to all of our leaks. 	744
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 A. Correct. Q. You started working at the county in 2013? A. That's correct. Q. And you have been a coke oven process technician the entire time you've worked at the county? A. Yes. Q. And you're one of two coke oven process technicians that works full time at the Clairton plant? A. Yes. Q. You work with Angela Crowley, who is the other inspector; is that correct? A. Correct. Q. And has Ms. Crowley worked at the Clairton plant the entire time you have also worked at the Clairton plant the entire time you have also worked at the Clairton plant states. Q. What you do on a daily basis is you do visual for visual emissions at the batteries; is that fair? A. Yes. Q. You do inspections for visible emissions at different fugitive emission points at the batteries? A. Yes. Q. You also do opacity estimations using Method 9? A. Yes. 	742	1 2 3 4 5 6 7 8 9 0 1 2 2 3 4 5 6 7 8 9 0 1 2 2 3 4 5 6 7 8 9 0 1 2 2 3 4 5 6 7 8 9 0 1 2 2 3 4 5 6 7 8 9 0 0 1 2 3 4 5 6 7 8 9 0 0 1 2 3 4 5 6 7 8 9 0 0 1 2 3 4 5 6 7 8 9 0 0 1 2 3 4 5 6 7 8 9 0 0 1 2 3 4 5 6 7 8 9 0 0 1 1 2 3 4 5 6 7 8 9 0 0 1 1 2 3 4 5 5 6 7 8 9 0 0 1 1 2 3 4 5 5 6 7 8 9 0 0 1 1 2 3 4 5 5 7 8 9 0 0 1 1 2 3 4 5 1 2 3 4 5 1 2 3 2 3	 Q. You are using your eyes? A. Yes. Q. The inspections that you do at Clairton that don't involve opacity readings, what are those? A. That would be topside inspection, inspecting the leaks from the standpipes and lid inspection, inspecting leaks from the charging port lids. That would be pretty much it. Q. What about charging itself, do you do charging observations for visible emissions? A. Yes. Q. Okay. That's not an opacity reading, correct? A. No. Q. I'm right? A. It's not an opacity reading. Q. Okay. Do you do inspections for door leaks that aren't opacity readings? A. No. Q. Okay. So all of your door leak inspections are just for opacity? A. Well, they - no. Well, they - there's an inspection where the number of door leaks is added up, but we do assign an opacity to all of our leaks. Q. Okay. And so there's two types of door 	744

		745			74
1	leaks and the other is for opacity?		1	A. Yes.	
2	A. Wall, the other is for what we call a high-		2	Q. You keep them in your car?	
3	opacity door leak. That's another category.		3	A. Ido.	
4	${\sf Q}.$ Okay. And so one would be an inspection of doors		4	${\sf Q}.$ Okay. And then on some regular basis, every two	
5	where you count leaks that you see as visible emissions,		5	weeks or so, either you or your colleague, Angela	
6	and the other is an opacity reading of a door leak?		6	Crowley, will take all of the inspection forms to this	
7	A. That exceeds a particular standard, yes.		7	office in Lawrenceville?	
8	${\sf Q}.$ Okay. You have the discretion to decide each day		8	A. Connect.	
9	where you go and do your inspections, correct?		9	Q. And what you will do is you will take turns	
10	A. Correct.	1	.0	bringing all of those inspection forms to the	
11	${\sf Q}.~$ And you have the discretion to decide what	1	.1	Lawrenceville office and going through them and entering	
12	inspections you are going to do on a given day?	1	.2	the data manually into a computer Excel program?	
13	A. Yes.	1	.3	A. Connect.	
14	\mathbf{Q}_{\star} Okay. The inspections you do each day you do on	1	4	Q. And is that a program that you created?	
15	paper forms, correct?	1	.5	A. No, it is not.	
16	A. Yes.	1	6	Q. Okay. Do you know who created it?	
17	Q. And these are standard forms that are provided by	1	7	A. I can't say with a hundred percent certainty who	
18	the Allegheny County Health Department?	1	8	created that or if any of it was - what do you call it?	
19	A. Correct.	1	9	- prepackaged. I don't know.	
20	Q. They are not forms that you made up?	2	0	${\sf Q}.$ Okay. Has that been the procedure as long as	
21	A. They are not forms that I made up.	2	1	you've been a coke oven process technician?	
22	${\sf Q}.$ Okay. Have they been standard forms since you	2	2	A. It has been, yes.	
23	started doing inspections at Clairton?	2	3	${\sf Q}.$ Okay. And is it every two weeks either you or	
24	A. They have been in general. There may have been	2	4	Angela Crowley does the entry?	
25	slight modifications; but in general, they are pretty	2	5	A. Correct.	
		746			748
1	much the same forms.	746	1	Q. Okay. And you take turns?	748
1 2	much the same forms, Q . And the forms that you use, they aren't forms	746	1 2	Q. Okay. And you take turns? A. Yes.	748
1 2 3	much the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right?	746	1 2 3	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once 	748
1 2 3 4	<pre>much the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared.</pre>	746	1 2 3 4 a	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? 	748
1 2 3 4 5	<pre>much the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form</pre>	746	1 2 3 4 a 5	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. 	748
1 2 3 4 5 6	<pre>much the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis?</pre>	746	1 2 3 4 a 5 6	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you 	748
1 2 4 5 6 7	 much the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis? A. Yes, correct. 	746	1 2 3 4 5 6 7	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you do that day of data entry? 	748
1 2 4 5 6 7 8	 much the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis? A. Yes, correct. Q. And you fill out a form for every type of 	746	1 2 3 4 a 5 6 7 a 8	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you do that day of data entry? A. It takes the whole day or pretty much most of the 	748
1 2 3 4 5 6 7 8 9	 much the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis? A. Yes, correct. Q. And you fill out a form for every type of inspection that you do; is that right? 	746	1 2 3 4 5 6 7 6 8 9	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you do that day of data entry? A. It takes the whole day or pretty much most of the whole day. 	748
1 2 3 4 5 6 7 8 9 10	 much the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis? A. Yes, correct. Q. And you fill out a form for every type of inspection that you do; is that right? A. Correct. 	746	1 2 3 4 5 5 6 7 6 8 8 9 9	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you do that day of data entry? A. It takes the whole day or pretty much most of the whole day. Q. Okay. And after you enter that data into the 	748
1 2 3 4 5 6 7 8 9 10 11	 much the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis? A. Yes, correct. Q. And you fill out a form for every type of inspection that you do; is that right? A. Correct. Q. And there are different forms for different types 	746	1 2 3 4 5 6 6 7 6 8 8 9 9 9 9	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you do that day of data entry? A. It takes the whole day or pretty much most of the whole day. Q. Okay. And after you enter that data into the computer, do you know if it's checked in any way? 	748
1 2 3 4 5 6 7 8 9 10 11 12	 much the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis? A. Yes, correct. Q. And you fill out a form for every type of inspection that you do; is that right? A. Correct. Q. And there are different forms for different types of inspections? 	746	1 2 3 4 5 5 6 7 6 7 8 8 9 7 0 1 6	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you do that day of data entry? A. It takes the whole day or pretty much most of the whole day. Q. Okay. And after you enter that data into the computer, do you know if it's checked in any way? A. It — I don't know if anybody else checks it. 	748
1 2 3 4 5 6 7 8 9 10 11 12 13	 much the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis? A. Yes, correct. Q. And you fill out a form for every type of inspection that you do; is that right? A. Correct. Q. And there are different forms for different types of inspections? A. Correct. 	746	1 2 3 4 5 6 6 7 6 8 8 9 9 7 6 1 6 2 2 3	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you do that day of data entry? A. It takes the whole day or pretty much most of the shole day. Q. Okay. And after you enter that data into the computer, do you know if it's checked in any way? A. It — I don't know if anybody else checks it. Q. What do you do with the inspection forms after 	748
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 much the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis? A. Yes, correct. Q. And you fill out a form for every type of inspection that you do; is that right? A. Correct. Q. And there are different forms for different types of inspections? A. Correct. Q. And so on a daily basis, you would fill out paper 	746	1 2 3 4 5 6 6 7 6 8 8 9 9 7 6 8 9 9 7 6 1 6 7 6 7 6 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you do that day of data entry? A. It takes the whole day or pretty much most of the whole day. Q. Okay. And after you enter that data into the computer, do you know if it's checked in any way? A. It - I don't know if anybody else checks it. Q. What do you do with the inspection forms after you enter the data? 	748
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 much the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis? A. Yes, correct. Q. And you fill out a form for every type of inspection that you do; is that right? A. Correct. Q. And there are different forms for different types of inspections? A. Correct. Q. And so on a daily basis, you would fill out paper forms for every different type of inspection you did 	746	1 2 3 4 5 5 6 7 6 8 8 9 9 9 7 6 1 6 7 6 7 6 7 6 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you do that day of data entry? A. It takes the whole day or pretty much most of the whole day. Q. Okay. And after you enter that data into the computer, do you know if it's checked in any way? A. It — I don't know if anybody else checks it. Q. What do you do with the inspection forms after you enter the data? A. They are given to document control. 	748
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 nuch the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis? A. Yes, correct. Q. And you fill out a form for every type of inspection that you do; is that right? A. Correct. Q. And there are different forms for different types of inspections? A. Correct. Q. And so on a daily basis, you would fill out paper forms for every different type of inspection you did that day? 	746	1 2 3 4 5 5 6 7 6 7 8 8 9 9 7 6	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you do that day of data entry? A. It takes the whole day or pretty much most of the shole day. Q. Okay. And after you enter that data into the computer, do you know if it's checked in any way? A. It — I don't know if anybody else checks it. Q. What do you do with the inspection forms after you enter the data? A. They are given to document control. Q. Do you know what happens with them after that? 	748
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 much the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis? A. Yee, correct. Q. And you fill out a form for every type of inspection that you do; is that right? A. Correct. Q. And there are different forms for different types of inspections? A. Correct. Q. And so on a daily basis, you would fill out paper forms for every different type of inspection you did that day? A. Correct. 	746	1 2 3 4 5 6 7 6 7 7	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you do that day of data entry? A. It takes the whole day or pretty much most of the whole day. Q. Okay. And after you enter that data into the computer, do you know if it's checked in any way? A. It - I don't know if anybody else checks it. Q. What do you do with the inspection forms after you enter the data? A. They are given to document control. Q. Do you know what happens with them after that? A. They are put into some other form. I'm not sure 	748
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 nuch the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis? A. Yes, correct. Q. And you fill out a form for every type of inspection that you do; is that right? A. Correct. Q. And there are different forms for different types of inspections? A. Correct. Q. And so on a daily basis, you would fill out paper forms for every different type of inspection you did that day? A. Correct. Q. And so we would be able to look at those forms 	746	1 2 3 4 5 6 7 6 8 9 9 7 2 3 3 4 5 5 5 7 8 8 8 8 8 8 8 9 9 8 8 8 8 9 9 8 8 8 9 9 8 8 8 9 9 8 8 8 9 9 8 8 8 9 8 8 8 9 8	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you do that day of data entry? A. It takes the whole day or pretty much most of the whole day. Q. Okay. And after you enter that data into the computer, do you know if it's checked in any way? A. It - I don't know if anybody else checks it. Q. What do you do with the inspection forms after you enter the data? A. They are given to document control. Q. Do you know what happens with them after that? A. They are put into some other form. I'm not sure bout that. 	748
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 nuch the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis? A. Yes, correct. Q. And you fill out a form for every type of inspection that you do; is that right? A. Correct. Q. And there are different forms for different types of inspections? A. Correct. Q. And so on a daily basis, you would fill out paper forms for every different type of inspection you did that day? A. Correct. Q. And so we would be able to look at those forms and know what types of inspections you did on a given 	746	1 2 3 4 5 5 6 7 7 8 8 9 9 7 2 3 3 4 5 5 6 7 7 8 8 8 9 9 7 8 8 8 9 9 9 9 9 9 9 9 9	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you do that day of data entry? A. It takes the whole day or pretty much most of the shole day. Q. Okay. And after you enter that data into the computer, do you know if it's checked in any way? A. It - I don't know if anybody else checks it. Q. What do you do with the inspection forms after you enter the data? A. They are given to document control. Q. Do you know what happens with them after that? A. They are put into some other form. I'm not sure bout that. Q. So you're not sure what happens after you give 	748
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 much the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis? A. Yes, correct. Q. And you fill out a form for every type of inspection that you do; is that right? A. Correct. Q. And there are different forms for different types of inspections? A. Correct. Q. And so on a daily basis, you would fill out paper forms for every different type of inspection you did that day? A. Correct. Q. And so we would be able to look at those forms and know what types of inspections you did on a given day? 	746	1 2 3 5 6 6 7 6 8 9 9 9 7 5 5 6 6 7 8 8 8 8 9 9 1 4 5 5 6 7 8 8 8 8 9 9 9 8 8 8 8 8 8 8 8 8 8 8 8	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you do that day of data entry? A. It takes the whole day or pretty much most of the shole day. Q. Okay. And after you enter that data into the computer, do you know if it's checked in any way? A. It - I don't know if anybody else checks it. Q. What do you do with the inspection forms after you enter the data? A. They are given to document control. Q. Do you know what happens with them after that? A. They are put into some other form. I'm not sure shout that. Q. So you're not sure what happens after you give them to document control? 	748
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 nuch the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis? A. Yes, correct. Q. And you fill out a form for every type of inspection that you do; is that right? A. Correct. Q. And there are different forms for different types of inspections? A. Correct. Q. And so on a daily basis, you would fill out paper forms for every different type of inspection you did that day? A. Correct. Q. And so we would be able to look at those forms and know what types of inspections you did on a given day? A. Yes. 	746	1 2 3 4 5 6 7 6 8 9 9 7 2 3 4 5 5 7 8 8 2 7 7 8 8 2 7 7 1 7 7 8 8 9 9 7 7 8 7 7 8 8 9 9 7 8 8 9 9 7 8 8 9 9 7 8 8 9 9 7 8 8 9 9 7 8 8 9 7 8 8 9 7 8 8 9 7 8 8 9 7 8 8 9 7 8 8 9 7 8 8 9 7 8 8 8 9 7 8 8 8 9 7 8 8 8 9 7 8 8 8 8	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you do that day of data entry? A. It takes the whole day or pretty much most of the shole day. Q. Okay. And after you enter that data into the computer, do you know if it's checked in any way? A. It - I don't know if anybody else checks it. Q. What do you do with the inspection forms after you enter the data? A. They are given to document control. Q. Do you know what happens with them after that? A. They are put into some other form. I'm not sure shout that. Q. So you're not sure what happens after you give them to document control? A. Well, document control would handle it from 	748
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 nuch the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis? A. Yes, correct. Q. And you fill out a form for every type of inspection that you do; is that right? A. Correct. Q. And there are different forms for different types of inspections? A. Correct. Q. And so on a daily basis, you would fill out paper forms for every different type of inspection you did that day? A. Correct. Q. And so we would be able to look at those forms and know what types of inspections you did on a given day? A. Yes. Q. And all of those forms are dated? 	746	1 2 3 4 5 6 7 7 8 9 9 7 2 2 1 1 2 2 1	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you do that day of data entry? A. It takes the whole day or pretty much most of the shole day. Q. Okay. And after you enter that data into the computer, do you know if it's checked in any way? A. It - I don't know if anybody else checks it. Q. What do you do with the inspection forms after you enter the data? A. They are given to document control. Q. Do you know what happens with them after that? A. They are put into some other form. I'm not sure shout that. Q. So you're not sure what happens after you give them to document control? A. Weil, document control would handle it from there. 	748
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23	 nuch the same forms. Q. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis? A. Yes, correct. Q. And you fill out a form for every type of inspection that you do; is that right? A. Correct. Q. And there are different forms for different types of inspections? A. Correct. Q. And so on a daily basis, you would fill out paper forms for every different type of inspection you did that day? A. Correct. Q. And so we would be able to look at those forms and know what types of inspections you did on a given day? A. Yes. Q. And all of those forms are dated? A. They are. 	746	1 2 3 4 5 6 7 8 9 9 7 8 8 9 9 7 8 8 8 5 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you do that day of data entry? A. It takes the whole day or pretty much most of the shole day. Q. Okay. And after you enter that data into the computer, do you know if it's checked in any way? A. It - I don't know if anybody else checks it. Q. What do you do with the inspection forms after you enter the data? A. They are given to document control. Q. Do you know what happens with them after that? A. They are put into some other form. I'm not sure shout that. Q. So you're not sure what happens after you give them to document control? A. Weil, document control would handle it from there. Q. Okay. And that's the last time you would see the 	748
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 nuch the same forms. A. And the forms that you use, they aren't forms that you yourself prepared; is that right? A. They are not forms that I have prepared. Q. Okay. And so you use a standard preprinted form and fill out information on a daily basis? A. Yee, correct. Q. And you fill out a form for every type of inspection that you do; is that right? A. Correct. Q. And there are different forms for different types of inspections? A. Correct. Q. And so on a daily basis, you would fill out paper forms for every different type of inspection you did that day? A. Correct. Q. And so we would be able to look at those forms and know what types of inspections you did on a given day? A. Yee. Q. And all of those forms are dated? A. They are. Q. Okay. And at the end of the day, can we assume 	746	1 2 3 4 5 6 7 6 8 9 9 7 6 7 8 8 8 9 9 7 5 5 7 8 8 8 9 9 7 8 8 8 9 9 7 6 7 6 7 6 7 6 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7	 Q. Okay. And you take turns? A. Yes. Q. So you're doing the data entry approximately once a month? A. Correct. Q. And approximately how long does it take when you do that day of data entry? A. It takes the whole day or pretty much nost of the shole day. Q. Okay. And after you enter that data into the computer, do you know if it's checked in any way? A. It - I don't know if anybody else checks it. Q. What do you do with the inspection forms after you enter the data? A. They are given to document control. Q. Do you know what happens with them after that? A. They are put into some other form. I'm not sure shout that. Q. So you're not sure what happens after you give them to document control? A. Well, document control would handle it from there. Q. Okay. And that's the last time you would see the forms, when you would pass them off to document control? 	748

		749			751
1	$Q.\ $ Sir, there are inspection methods that exist; is		1	observing visual emissions from batteries?	
2	that right?		2	A. I'm not certified.	
3	A. Yes.		3	Q. Right. And Method 9 is for opacity?	
4	${\sf Q}.$ And these methods exist so that inspectors are		4	A. Connect.	
5	doing observations in a consistent manner; is that fair?		5	Q. You're not certified in any method for observing	
6	A. Yes.		6	visible emissions from batteries?	
7	Q. And they exist to make sure inspectors are doing		7	A. I'm not 303 certified.	
8	inspections in a reliable manner; is that fair?		8	${f Q}.$ Right. Do you have any other certification for	
9	A. I would say so, yeah.		9	observing visible emissions from batteries?	
10	O. You have a certification for doing an		10	A. No.	
11	observation, correct?		11	Q. So the only certification you have is Method 9	
12	A Yes		12	for opacity?	
13	O You're a Method 9 certified observer?		13	A. That's connect.	
14			14	O. Okay. And the Allegheny County Health Department	
15	A and that's EDD's Method 92		15	has never required that you get a certification for	
16	A commet		16	reading visible emissions like Method 303?	
17	A. When did you first become a Mathed 9 contified		17	A No	
10	Q. When and you must became a method s certified		18	• When you do your inspections, are you inspecting	
18	observer?		10	for lot no back up	
19	A. I believe it was June of 2013.		19	Do you know what NECUNE requirements are?	
20	Q. Okay. And Method 9 is a certification for		20	A M	
21	reading opacity, correct?		21	A. NO.	
22	A. Yes.		22	Q. Okay. Do you know what Article 21 requirements	
23	Q. It's not for reading visible emission leaks,		23	are?	
24	right?		24	A. In general, yes.	
25	A. That's correct.		25	Q. Okay. And do you know what SIP requirements are?	
			1		
		750			752
1	Q. Okay. It's just for opacity?	750	1	A. I'm not sure at this point.	752
1 2	Q. Okay. It's just for opacity? A. Correct.	750	1 2	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what 	752
1 2 3	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door 	750	1 2 3	A. I'm not sure at this point.Q. Okay. When you're doing your observations, what are you doing them for; do you know?	752
1 2 3 4	Q. Okay. It's just for opacity?A. Correct.Q. And you use Method 9 when you do your door opacity readings, correct?	750	1 2 3 4	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? 	752
1 2 3 4 5	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. 	750	1 2 3 4 5	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any 	752
1 2 3 4 5 6	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. Q. And you use Method 9 when you do soaking 	750	1 2 3 4 5 6	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? 	752
1 2 4 5 6 7	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. Q. And you use Method 9 when you do soaking observations? 	750	1 2 3 4 5 6 7	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would — it is — in order to — 	752
1 2 3 4 5 6 7 8	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. Q. And you use Method 9 when you do soaking observations? A. Correct. 	750	1 2 3 4 5 6 7 8	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would — it is — in order to — it would relate back to regulations. 	752
1 2 4 5 6 7 8 9	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. Q. And you use Method 9 when you do soaking observations? A. Correct. Q. Okay. There are other methods that exist for 	750	1 2 3 4 5 6 7 8 9	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would — it is — in order to — it would relate back to regulations. Q. Do you know what those regulations are? 	752
1 2 3 4 5 6 7 8 9	 Q. Okay. It's just for opacity? A. Connect. Q. And you use Method 9 when you do your door opacity readings, correct? A. Connect. Q. And you use Method 9 when you do soaking observations? A. Connect. Q. Okay. There are other methods that exist for doing visible emissions inspections on battery points, 	750	1 2 3 4 5 6 7 8 9	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would — it is — in order to — it would relate back to regulations. Q. Do you know what those regulations are? A. That would be Article 21. 	752
1 2 3 4 5 6 7 8 9 10	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. Q. And you use Method 9 when you do soaking observations? A. Correct. Q. Okay. There are other methods that exist for doing visible emissions inspections on battery points, correct? 	750	1 2 3 4 5 6 7 8 9 10 11	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would — it is — in order to — it would relate back to regulations. Q. Do you know what those regulations are? A. That would be Article 21. Q. Okay. And do you know which sections of Article 	752
1 2 3 4 5 6 7 8 9 10 11 12	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. Q. And you use Method 9 when you do soaking observations? A. Correct. Q. Okay. There are other methods that exist for doing visible emissions inspections on battery points, correct? A. Yes. 	750	1 2 3 4 5 6 7 8 9 10 11 12	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would — it is — in order to — it would relate back to regulations. Q. Do you know what those regulations are? A. That would be Article 21. Q. Okay. And do you know which sections of Article 21 you are inspecting for? 	752
1 2 3 4 5 6 7 8 9 10 11 12 13	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. Q. And you use Method 9 when you do soaking observations? A. Correct. Q. Okay. There are other methods that exist for doing visible emissions inspections on battery points, correct? A. Yes. Q. One of those methods is Method 303, correct? 	750	1 2 3 4 5 6 7 8 9 10 11 12 13	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would — it is — in order to — it would relate back to regulations. Q. Do you know what those regulations are? A. That would be Article 21. Q. Okay. And do you know which sections of Article 21 you are inspecting for? A. The coke oven section. 	752
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. Q. And you use Method 9 when you do soaking observations? A. Correct. Q. Okay. There are other methods that exist for doing visible emissions inspections on battery points, correct? A. Yes. Q. One of those methods is Method 303, correct? A. Correct. 	750	1 2 3 4 5 6 7 8 9 10 11 12 13 14	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would — it is — in order to — it would relate back to regulations. Q. Do you know what those regulations are? A. That would be Article 21. Q. Okay. And do you know which sections of Article 21 you are inspecting for? A. The coke oven section. Q. Did you ever have any training on Article 21? 	752
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. Q. And you use Method 9 when you do soaking observations? A. Correct. Q. Okay. There are other methods that exist for doing visible emissions inspections on battery points, correct? A. Yes. Q. One of those methods is Method 303, correct? A. Correct. Q. Method 303 is a federal inspection method for 	750	1 2 3 4 5 6 7 8 9 10 11 12 13 14	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would — it is — in order to — it would relate back to regulations. Q. Do you know what those regulations are? A. That would be Article 21. Q. Okay. And do you know which sections of Article 21 you are inspecting for? A. The coke oven section. Q. Did you ever have any training on Article 21? A. Training, no. 	752
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. Q. And you use Method 9 when you do soaking observations? A. Correct. Q. Okay. There are other methods that exist for doing visible emissions inspections on battery points, correct? A. Yes. Q. One of those methods is Method 303, correct? A. Correct. Q. Method 303 is a federal inspection method for visible emissions from battery functive points? 	750	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would — it is — in order to — it would relate back to regulations. Q. Do you know what those regulations are? A. That would be Article 21. Q. Okay. And do you know which sections of Article 21 you are inspecting for? A. The coke oven section. Q. Did you ever have any training on Article 21? A. Training, no. Q. Okay. Your inspections have to comply with the 	752
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. Q. And you use Method 9 when you do soaking observations? A. Correct. Q. Okay. There are other methods that exist for doing visible emissions inspections on battery points, correct? A. Yes. Q. One of those methods is Method 303, correct? A. Correct. Q. Method 303 is a federal inspection method for visible emissions from battery fugitive points? A. This a method. That's all L krow. 	750	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would — it is — in order to — it would relate back to regulations. Q. Do you know what those regulations are? A. That would be Article 21. Q. Okay. And do you know which sections of Article 21 you are inspecting for? A. The coke oven section. Q. Did you ever have any training on Article 21? A. Training, no. Q. Okay. Your inspections have to comply with the Department's source testing manual, right? 	752
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. Q. And you use Method 9 when you do soaking observations? A. Correct. Q. Okay. There are other methods that exist for doing visible emissions inspections on battery points, correct? A. Yes. Q. One of those methods is Method 303, correct? A. Correct. Q. Method 303 is a federal inspection method for visible emissions from battery fugitive points? A. Tt is a method. That's all I know. Q. Okay. Are you a Method 303 certified observer? 	750	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would — it is — in order to — it would relate back to regulations are? A. That would be Article 21. Q. Okay. And do you know which sections of Article 21 you are inspecting for? A. The coke oven section. Q. Did you ever have any training on Article 21? A. Training, no. Q. Okay. Your inspections have to comply with the Department's source testing manual, right? A. We use that as a quide for our inspections. 	752
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. Q. And you use Method 9 when you do soaking observations? A. Correct. Q. Okay. There are other methods that exist for doing visible emissions inspections on battery points, correct? A. Yes. Q. One of those methods is Method 303, correct? A. Correct. Q. Method 303 is a federal inspection method for visible emissions from battery fugitive points? A. It is a method. That's all I know. Q. Okay. Are you a Method 303 certified observer? 	750	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would — it is — in order to — it would relate back to regulations. Q. Do you know what those regulations are? A. That would be Article 21. Q. Okay. And do you know which sections of Article 21 you are inspecting for? A. The coke oven section. Q. Did you ever have any training on Article 21? A. Training, no. Q. Okay. Your inspections have to comply with the Department's source testing manual, right? A. We use that as a guide for our inspections. Q. Okay. And do you have to follow it? 	752
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. Q. And you use Method 9 when you do soaking observations? A. Correct. Q. Okay. There are other methods that exist for doing visible emissions inspections on battery points, correct? A. Yes. Q. One of those methods is Method 303, correct? A. Correct. Q. Method 303 is a federal inspection method for visible emissions from battery fugitive points? A. It is a method. That's all I know. Q. Okay. Are you a Method 303 certified observer? A. No. 	750	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would — it is — in order to — it would relate back to regulations. Q. Do you know what those regulations are? A. The twould be Article 21. Q. Okay. And do you know which sections of Article 21 you are inspecting for? A. The coke oven section. Q. Did you ever have any training on Article 21? A. Training, no. Q. Okay. Your inspections have to comply with the Department's source testing manual, right? A. We use that as a guide for our inspections. Q. Okay. And do you have to follow it? A. We follow it as a guide, but there are times when 	752
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. Okay. It's just for opacity? A. Connect. Q. And you use Method 9 when you do your door opacity readings, correct? A. Connect. Q. And you use Method 9 when you do soaking observations? A. Connect. Q. Okay. There are other methods that exist for doing visible emissions inspections on battery points, correct? A. Yes. Q. One of those methods is Method 303, correct? A. Connect. Q. Method 303 is a federal inspection method for visible emissions from battery fugitive points? A. It is a method. That's all I know. Q. Okay. Are you a Method 303 certified observer? A. No. Q. Have you ever been? 	750	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would — it is — in order to — it would relate back to regulations are? A. The inspection would — it is — in order to — it would relate back to regulations are? A. That would be Article 21. Q. Okay. And do you know which sections of Article 21 you are inspecting for? A. The coke oven section. Q. Okay. Your inspections have to comply with the Department's source testing manual, right? A. We use that as a guide for our inspections. Q. Okay. And do you have to follow it? A. We follow it as a guide, but there are times when the pave to use Article 21 as opposed to the guide 	752
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. Q. And you use Method 9 when you do soaking observations? A. Correct. Q. Okay. There are other methods that exist for doing visible emissions inspections on battery points, correct? A. Yes. Q. One of those methods is Method 303, correct? A. Correct. Q. Method 303 is a federal inspection method for visible emissions from battery fugitive points? A. It is a method. That's all I know. Q. Okay. Are you a Method 303 certified observer? A. No. Q. Have you ever been? A. No. 	750	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would — it is — in order to — it would relate back to regulations are? A. The inspection would — it is — in order to — it would relate back to regulations are? A. That would be Article 21. Q. Okay. And do you know which sections of Article 21 you are inspecting for? A. The coke oven section. Q. Okay. Your inspections have to comply with the Department's source testing manual, right? A. We use that as a guide for our inspections. Q. Okay. And do you have to follow it? A. We follow it as a guide, but there are times when we have to use Article 21 as opposed to the guide back to back to the guide back to the guide back to back to back to the guide back to back to back to the guide back to back	752
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 22	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. Q. And you use Method 9 when you do soaking observations? A. Correct. Q. Okay. There are other methods that exist for doing visible emissions inspections on battery points, correct? A. Yes. Q. One of those methods is Method 303, correct? A. Correct. Q. Method 303 is a federal inspection method for visible emissions from battery fugitive points? A. It is a method. That's all I know. Q. Okay. Are you a Method 303 certified observer? A. No. Q. Have you ever been? A. No. Q. So you don't use Method 303 to do any of your visible emissions choservations? 	750	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would — it is — in order to — it would relate back to regulations are? A. The inspection would — it is — in order to — it would relate back to regulations are? A. The inspecting for? A. The coke oven section. Q. Okay. And do you know which sections of Article 21 you are inspecting for? A. Training, no. Q. Okay. Your inspections have to comply with the Department's source testing manual, right? A. We use that as a guide for our inspections. Q. Okay. And do you have to follow it? A. We follow it as a guide, but there are times when we have to use Article 21 as opposed to the guide because the guide has not been updated in quite ashile I understand. so 	752
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. Q. And you use Method 9 when you do soaking observations? A. Correct. Q. Okay. There are other methods that exist for doing visible emissions inspections on battery points, correct? A. Yes. Q. One of those methods is Method 303, correct? A. Correct. Q. Method 303 is a federal inspection method for visible emissions from battery fugitive points? A. It is a method. That's all I know. Q. Have you ever been? A. No. Q. So you don't use Method 303 to do any of your visible emissions observations? 	750	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 A. I'm not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would — it is — in order to — it would relate back to regulations are? A. The inspection would — it is — in order to — it would relate back to regulations are? A. The inspecting would be Article 21. Q. Okay. And do you know which sections of Article 21 you are inspecting for? A. The coke oven section. Q. Okay. Your inspections have to comply with the Department's source testing manual, right? A. We use that as a guide for our inspections. Q. Okay. And do you have to follow it? A. We follow it as a guide, but there are times when we have to use Article 21 as opposed to the guide because the guide has not been updated in quite awhile I understand, so Q. So is it fair to say that for your inspections. 	752
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 Q. Okay. It's just for opacity? A. Correct. Q. And you use Method 9 when you do your door opacity readings, correct? A. Correct. Q. And you use Method 9 when you do soaking observations? A. Correct. Q. Okay. There are other methods that exist for doing visible emissions inspections on battery points, correct? A. Yes. Q. One of those methods is Method 303, correct? A. Correct. Q. Method 303 is a federal inspection method for visible emissions from battery fugitive points? A. It is a method. That's all I know. Q. Okay. Are you a Method 303 certified observer? A. No. Q. Have you ever been? A. No. Q. So you don't use Method 303 to do any of your visible emissions observations? A. I do not. 	750	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 A. T'n not sure at this point. Q. Okay. When you're doing your observations, what are you doing them for; do you know? A. How do you mean? Q. Are you looking at observations for any regulations that apply to Clairton? A. The inspection would - it is - in order to - it would relate back to regulations are? A. The inspection would - it is - in order to - it would relate back to regulations are? A. That would be Article 21. Q. Okay. And do you know which sections of Article 21 you are inspecting for? A. The coke oven section. Q. Okay. Your inspections have to comply with the Department's source testing manual, right? A. We use that as a guide for our inspections. Q. Okay. And do you have to follow it? A. We follow it as a guide, but there are times when we have to use Article 21 as opposed to the guide backup. Q. So is it fair to say that for your inspections, sometimes you follow the source testing manual? 	752

		753		755
1	A. We follow it in general but not in all instances.	1	training was to last when you started; is that fair?	
2	Q. Okay. So would it be fair to say that sometimes	2	A. Connect.	
3	you follow the source testing manual for your	3	${\sf Q}.$ And the training ended when your colleagues were	
4	inspections?	4	comfortable with your skills; is that fair?	
5	A. Yes.	5	A. Well, whenever I was informed that I was an	
6	${\sf Q}.$ And then sametimes you don't follow the source	6	independent inspector.	
7	testing manual for your inspections?	7	Q. Okay. You didn't have to do any tests or	
8	A. Correct, correct.	8	certification before you were able to do that, other	
9	Q. Is there any written document that you're aware	9	than Method 9?	
10	of that would show the times when you do follow the	10	A. Correct.	
11	source testing manual and the times when you don't?	11	Q. You've seen the source testing manual before?	
12	A. Well, it makes you refer to Article 21 as far	12	A. Yeah.	
13	as — for instance, charging, some batteries require a	13	Q. Can you look at Exhibit 22?	
14	five-charge inspection with a 55-second cumulative time	14	A. Which volume is that?	
15	limit, but the source testing manual specifies four	15	Q. That would be in Volume 1.	
16	charges for 75 seconds.	16	A. Okay.	
17	That would apply to Batteries 1, 2, 3, and 19 and	17	Q. And I would like you, sir, to please move to	
18	Battery C, Battery B, 13, 14, 15, and 20 would be the	18	Chapter 109 in that document.	
19	five-charge, 55-second time limit. So that would be	19	A. Cikay.	
20	according to Article 21.	20	Q. And if you can back up to the title page that	
21	O. Thanks. I think my question is a little bit	21	says "Chapter 109," please. Are you there?	
22	different. Is there a document that you are aware of	22	A. Yes.	
23	that would show the scenarios when you would follow the	23	Q. Okay. Are you familiar with this section?	
24	source testing manual for observations and the scenarios	24	A. I'm familiar with Chapter 109.	
25	when you would not follow the source testing manual?	25	Q. Okay. And how did you become familiar with it?	
		754		756
1	A. A separate document? Not that I'm aware of. If	754	A. By reading it.	756
1 2	A. A separate document? Not that I'm aware of. If there is, I'm not aware of it.	754 1	A. By reading it.Q. And when was that?	756
1 2 3	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not 	754 1	A. By reading it.Q. And when was that?A. 2013.	756
1 2 3 4	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? 	754 1 2 3 4	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it 	756
1 2 3 4 5	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. 	754 1 2 3 4 5	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke 	756
1 2 3 4 5 6	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not 	754 1 2 3 4 5 6	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection 	756
1 2 3 4 5 6 7	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? 	754 1 2 3 4 5 6 7	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by 	756
1 2 3 4 5 6 7 8	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? A. There's no specification as far as whether it's 	754 1 2 3 4 5 6 7 8	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by the Allegheny County Health Department Air Quality 	756
1 2 3 4 5 6 7 8 9	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? A. There's no specification as far as whether it's supposed to apply or not apply. 	754 1 2 3 4 5 6 7 8 9	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by the Allegheny County Health Department Air Quality Program." Do you see that? 	756
1 2 3 4 5 6 7 8 9	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? A. There's no specification as far as whether it's supposed to apply or not apply. Q. Okay. Has anybody ever told you that your 	754 1 2 3 4 4 5 6 7 8 9 10	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by the Allegheny County Health Department Air Quality Program." Do you see that? A. Yeah. 	756
1 2 3 4 5 6 7 8 9 10	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? A. There's no specification as far as whether it's supposed to apply or not apply. Q. Okay. Has anybody ever told you that your inspections have to follow Method 303? 	754 1 2 3 4 5 6 7 8 9 10 11	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by the Allegheny County Health Department Air Quality Program." Do you see that? A. Yeah. Q. Are you familiar with Method 109 from the 	756
1 2 3 4 5 6 7 8 9 10 11 12	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? A. There's no specification as far as whether it's supposed to apply or not apply. Q. Okay. Has anybody ever told you that your inspections have to follow Method 303? A. No. 	754 1 2 3 4 5 6 7 8 9 10 11 12	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by the Allegheny County Health Department Air Quality Program." Do you see that? A. Yeah. Q. Are you familiar with Method 109 from the Environmental Protection Agency? 	756
1 2 3 4 5 6 7 8 9 10 11 12 13	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? A. There's no specification as far as whether it's supposed to apply or not apply. Q. Okay. Has anybody ever told you that your inspections have to follow Method 303? A. No. O. Has anybody ever told you that your inspections 	754 1 2 3 4 4 5 6 7 7 8 9 9 10 11 12 13	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by the Allegheny County Health Department Air Quality Program." Do you see that? A. Yeah. Q. Are you familiar with Method 109 from the Environmental Protection Agency? A. T'm not. 	756
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? A. There's no specification as far as whether it's supposed to apply or not apply. Q. Okay. Has anybody ever told you that your inspections have to follow Method 303? A. No. Q. Has anybody ever told you that your inspections don't have to follow Method 303? 	754 1 2 3 4 5 6 7 8 9 9 10 11 12 13 14	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by the Allegheny County Health Department Air Quality Program." Do you see that? A. Yeah. Q. Are you familiar with Method 109 from the Environmental Protection Agency? A. I'm not. Q. Fair to say that you've never read it then? 	756
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? A. There's no specification as far as whether it's supposed to apply or not apply. Q. Okay. Has anybody ever told you that your inspections have to follow Method 303? A. No. Q. Has anybody ever told you that your inspections don't have to follow Method 303? 	754 1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by the Allegheny County Health Department Air Quality Program." Do you see that? A. Yeah. Q. Are you familiar with Method 109 from the Environmental Protection Agency? A. I'm not. Q. Fair to say that you've never read it then? A. I don't recall reading Method 109. 	756
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? A. There's no specification as far as whether it's supposed to apply or not apply. Q. Okay. Has anybody ever told you that your inspections have to follow Method 303? A. No. Q. Has anybody ever told you that your inspections don't have to follow Method 303? A. No. Q. There are differences between the source testing 	754 1 2 3 4 4 5 6 7 7 8 9 10 11 12 13 14 15 16	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by the Allegheny County Health Department Air Quality Program." Do you see that? A. Yeah. Q. Are you familiar with Method 109 from the Environmental Protection Agency? A. I'm not. Q. Fair to say that you've never read it then? A. I don't recall reading Method 109. Q. Okay. Fair to say you have no training on EPA 	756
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? A. There's no specification as far as whether it's supposed to apply or not apply. Q. Okay. Has anybody ever told you that your inspections have to follow Method 303? A. No. Q. Has anybody ever told you that your inspections don't have to follow Method 303? A. No. Q. There are differences between the source testing manual and Method 303; is that fair? 	754 1 2 3 4 4 5 6 7 7 8 9 10 11 12 13 14 15 16 17	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by the Allegheny County Health Department Air Quality Program." Do you see that? A. Yeah. Q. Are you familiar with Method 109 from the Environmental Protection Agency? A. I'm not. Q. Fair to say that you've never read it then? A. I don't recall reading Method 109. Q. Okay. Fair to say you have no training on EPA Method 109? 	756
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? A. There's no specification as far as whether it's supposed to apply or not apply. Q. Okay. Has anybody ever told you that your inspections have to follow Method 303? A. No. Q. Has anybody ever told you that your inspections don't have to follow Method 303? A. No. Q. There are differences between the source testing manual and Method 303; is that fair? A. I would say it's fair. But yeah. it's 	754 1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by the Allegheny County Health Department Air Quality Program." Do you see that? A. Yeah. Q. Are you familiar with Method 109 from the Environmental Protection Agency? A. I'm not. Q. Fair to say that you've never read it then? A. I don't recall reading Method 109. Q. Okay. Fair to say you have no training on EPA Method 109? A. That would be fair to say, yes. 	756
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? A. There's no specification as far as whether it's supposed to apply or not apply. Q. Okay. Has anybody ever told you that your inspections have to follow Method 303? A. No. Q. Has anybody ever told you that your inspections don't have to follow Method 303? A. No. Q. There are differences between the source testing manual and Method 303; is that fair? A. I would say it's fair. But yeah, it's Q. Okay. Angela Crowley. the other inspector. was 	754 1 2 3 4 4 5 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by the Allegheny County Health Department Air Quality Program." Do you see that? A. Yeah. Q. Are you familiar with Method 109 from the Environmental Protection Agency? A. I'm not. Q. Fair to say that you've never read it then? A. I don't recall reading Method 109. Q. Okay. Fair to say you have no training on EPA Method 109? A. That would be fair to say, yes. Q. And fair to say then that you are not using EPA 	756
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? A. There's no specification as far as whether it's supposed to apply or not apply. Q. Okay. Has anybody ever told you that your inspections have to follow Method 303? A. No. Q. Has anybody ever told you that your inspections don't have to follow Method 303? A. No. Q. There are differences between the source testing manual and Method 303; is that fair? A. I would say it's fair. But yeah, it's Q. Okay. Angela Crowley, the other inspector, was one of the individuals who cave you your training for 	754 1 2 3 4 4 5 6 7 7 8 9 9 10 11 12 13 14 15 16 17 18 19 20	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by the Allegheny County Health Department Air Quality Program." Do you see that? A. Yeah. Q. Are you familiar with Method 109 from the Environmental Protection Agency? A. I'm not. Q. Fair to say that you've never read it then? A. I don't recall reading Method 109. Q. Okay. Fair to say you have no training on EPA Method 109? A. That would be fair to say, yes. Q. And fair to say then that you are not using EPA Method 109 when you are doing your inspections? 	756
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? A. There's no specification as far as whether it's supposed to agply or not apply. Q. Okay. Has anybody ever told you that your inspections have to follow Method 303? A. No. Q. Has anybody ever told you that your inspections don't have to follow Method 303? A. No. Q. There are differences between the source testing manual and Method 303; is that fair? A. I would say it's fair. But yeah, it's Q. Okay. Angela Crowley, the other inspector, was one of the individuals who gave you your training for your resition. 	754 1 2 3 4 4 5 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by the Allegheny County Health Department Air Quality Program." Do you see that? A. Yeah. Q. Are you familiar with Method 109 from the Environmental Protection Agency? A. I'm not. Q. Fair to say that you've never read it then? A. I don't recall reading Method 109. Q. Okay. Fair to say you have no training on EFA Method 109? A. That would be fair to say, yes. Q. And fair to say then that you are not using EFA Method 109 when you are doing your inspections? A. I'm not familiar with it, so I can't say. 	756
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? A. There's no specification as far as whether it's supposed to apply or not apply. Q. Okay. Has anybody ever told you that your inspections have to follow Method 303? A. No. Q. There are differences between the source testing manual and Method 303; is that fair? A. I would say it's fair. But yeeh, it's Q. Okay. Angela Crowley, the other inspector, was one of the individuals who gave you your training for your position, correct? 	754 1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by the Allegheny County Health Department Air Quality Program." Do you see that? A. Yeah. Q. Are you familiar with Method 109 from the Environmental Protection Agency? A. I'm not. Q. Fair to say that you've never read it then? A. I don't recall reading Method 109. Q. Okay. Fair to say you have no training on EPA Method 109? A. That would be fair to say, yes. Q. And fair to say then that you are not using EPA Method 109 when you are doing your inspections? A. I'm not familiar with it, so I can't say. Q. Okay. The next page, there's a Section A. Do 	756
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 22	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? A. There's no specification as far as whether it's supposed to apply or not apply. Q. Okay. Has anybody ever told you that your inspections have to follow Method 303? A. No. Q. Has anybody ever told you that your inspections don't have to follow Method 303? A. No. Q. There are differences between the source testing manual and Method 303; is that fair? A. I would say it's fair. But yeah, it's Q. Okay. Angela Crowley, the other inspector, was one of the individuals who gave you your training for your position, correct? A. Correct. Q. And that was on-the-ich training? 	754 1 2 3 4 4 5 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by the Allegheny County Health Department Air Quality Program." Do you see that? A. Yeah. Q. Are you familiar with Method 109 from the Environmental Protection Agency? A. I'm not. Q. Fair to say that you've never read it then? A. I don't recall reading Method 109. Q. Okay. Fair to say you have no training on EPA Method 109? A. That would be fair to say, yes. Q. And fair to say then that you are not using EPA Method 109 when you are doing your inspections? A. I'm not familiar with it, so I can't say. Q. Okay. The next page, there's a Section A. Do you see that? 	756
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? A. There's no specification as far as whether it's supposed to agply or not apply. Q. Okay. Has anybody ever told you that your inspections have to follow Method 303? A. No. Q. There are differences between the source testing manual and Method 303; is that fair? A. I would say it's fair. But yeah, it's Q. Okay. Angela Crowley, the other inspector, was one of the individuals who gave you your training for your position, correct? A. Correct. Q. And that was on-the-job training? 	754 1 2 3 4 4 5 6 7 7 8 9 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by the Allegheny County Health Department Air Quality Program." Do you see that? A. Yeah. Q. Are you familiar with Method 109 from the Environmental Protection Agency? A. T'm not. Q. Fair to say that you've never read it then? A. I don't recall reading Method 109. Q. Okay. Fair to say you have no training on EPA Method 109? A. That would be fair to say, yes. Q. And fair to say then that you are not using EPA Method 109 when you are doing your inspections? A. I'm not familiar with it, so I can't say. Q. Okay. The next page, there's a Section A. Do you see that? 	756
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 A. A separate document? Not that I'm aware of. If there is, I'm not aware of it. Q. Okay. The inspections you do, they are not supposed to comply with Method 303; is that fair? A. Say that again. Q. The inspections you do on a daily basis are not supposed to comply with Method 303? A. There's no apacification as far as whether it's apposed to apply or not apply. Q. Okay. Has anybody ever told you that your inspections have to follow Method 303? A. No. Q. Has anybody ever told you that your inspections don't have to follow Method 303? A. No. Q. There are differences between the source testing manual and Method 303; is that fair? A. I would say it's fair. But yeah, it's Q. Okay. Angela Crowley, the other inspector, was one of the individuals who gave you your training for your position, correct? A. Correct. Q. And that was on-the-job training? A. Correct. Q. And that was on-the-job training? 	754 1 2 3 4 4 5 6 7 7 8 9 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 A. By reading it. Q. And when was that? A. 2013. Q. Okay. Underneath where it says "Chapter 109," it says, "A determination of visible emissions from coke oven batteries, United States Environmental Protection Agency, 40 CFR, Appendix B, Method 109 as modified by the Allegheny County Health Department Air Quality Program." Do you see that? A. Yeah. Q. Are you familiar with Method 109 from the Environmental Protection Agency? A. I'm not. Q. Fair to say that you've never read it then? A. I don't recall reading Method 109. Q. Okay. Fair to say you have no training on EPA Method 109? A. That would be fair to say, yes. Q. And fair to say then that you are not using EPA Method 109 when you are doing your inspections? A. I'm not familiar with it, so I can't say. Q. Okay. The next page, there's a Section A. Do you see that? A. Yes. Q. And Section A relates to charging. correct? 	756

		757		759
1	A. Correct.		1 A. Yes.	
2	${\sf Q}.$ The very last sentence of the charging paragraph		2 Q. And where did you do that?	
3	says, "Compliance shall be determined by summing the		3 A. At home.	
4	seconds of charging emission observed during each of the		4 Q. Section C, what does that relate to?	
5	four charges;" is that right?		5 A. That's the general door inspection.	
6	A. It does.		6 Q. And is this the procedure that you follow when	
7	Q. Okay. And your testimony a few minutes ago was		7 you do door inspections?	
8	that there are times when you observed five charges; is		8 A. Yes.	
9	that correct?		9 Q. Okay. Do you do door inspections on both sides	
10	A. That's connect.	1	10 of the B Battery?	
11	$Q.\;$ And so there are times when you are not following	1	11 A. I do not.	
12	the exact terms of the source testing manual?	1	12 Q. Which side do you inspect?	
13	A. That's correct.	1	13 A. I inspect the pusher side.	
14	Q. And why is it that you're doing five charges?	1	14 Q. You don't inspect the coke side?	
15	A. That's because of Article 21. That refers to	1	15 A. I do not.	
16	batteries that were installed or modified from January	1	16 Q. And how long has it been in your practice to not	
17	1st, 1978. They have a different standard.	1	17 inspect the coke side of B Battery?	
18	Q. And who told you that?	1	18 A. The entire time that I've been with the county.	
19	A. It's in Article 21.	1	19 Q. Okay. So you've never done B Battery coke-side	
20	Q. Okay. Nobody told you that?	2	20 inspections since you've been a coke oven process	
21	A. Well, I was made aware of it, but I've also read	2	21 technician?	
22	that.	2	22 A. Correct.	
23	Q. Okay. When were you made aware of it?	2	23 Q. Why is that?	
24	A. 2013.	2	24 A. That's the way I've been trained.	
25	Q. Any other time?	2	25 Q. And was that by Ms. Crowley?	
		758	7	760
1	A. 2013. And since then, I've known that.	758	1 A. And Beryl Denne.	760
1 2	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 	758	 A. And Beryl Denne. Q. And for the record, who is he? 	760
1 2 3	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? 	758	 A. And Beryl Denne. Q. And for the record, who is he? A. He was the senior inspector that was working for 	760
1 2 3 4	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. 	758	 A. And Beryl Denne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. 	760
1 2 3 4 5	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? 	758	 A. And Beryl Denne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? 	760
1 2 3 4 5 6	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a 	758	 A. And Beryl Denne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. 	760
1 2 3 4 5 6 7	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a while, I will review it, but there's no standard — set 	758	 A. And Beryl Denne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. Q. Okay. Do you know when he stopped working for 	760
1 2 3 4 5 6 7 8	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a while, I will review it, but there's no standard — set standard time period for that. 	758	 A. And Beryl Denne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. Q. Okay. Do you know when he stopped working for the county? 	760
1 2 3 4 5 6 7 8 9	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a while, I will review it, but there's no standard — set standard time period for that. Q. Okay. Was it within the last week? 	758	 A. And Beryl Denne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. Q. Okay. Do you know when he stopped working for the county? A. I want to say 2015 or thereabouts. 2015 I think 	760
1 2 3 4 5 6 7 8 9	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a while, I will review it, but there's no standard — set standard time period for that. Q. Okay. Was it within the last week? A. I haven't read it within the past week, no. 	758	 A. And Beryl Denne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. Q. Okay. Do you know when he stopped working for the county? A. I want to say 2015 or thereebouts. 2015 I think it could be. It seems like it would have been 2015; but 	760
1 2 3 4 5 6 7 8 9 10 11	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a while, I will review it, but there's no standard — set standard time period for that. Q. Okay. Was it within the last week? A. I haven't read it within the past week, no. Q. Okay. You haven't seen it within the past week? 	758	 A. And Beryl Denne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. Q. Okay. Do you know when he stopped working for the county? A. I want to say 2015 or thereabouts. 2015 I think it could be. It seems like it would have been 2015; but if not, then maybe 2016, but I think it was 2015. 	760
1 2 3 4 5 6 7 8 9 10 11 12	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a while, I will review it, but there's no standard — set standard time period for that. Q. Okay. Was it within the last week? A. I haven't read it within the past week, no. Q. Okay. You haven't seen it within the past week? A. No. I may have seen a section or two of it, but 	758	 A. And Beryl Denne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. Q. Okay. Do you know when he stopped working for the county? A. I want to say 2015 or thereebouts. 2015 I think it could be. It seems like it would have been 2015; but if not, then maybe 2016, but I think it was 2015. Q. Okay. The end of Section C for doors includes a 	760
1 2 3 4 5 6 7 8 9 10 11 12 13	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a while, I will review it, but there's no standard — set standard time period for that. Q. Okay. Was it within the last week? A. I haven't read it within the past week, no. Q. Okay. You haven't seen it within the past week? A. No. I may have seen a section or two of it, but 	758	 A. And Beryl Denne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. Q. Okay. Do you know when he stopped working for the county? A. I want to say 2015 or thereabouts. 2015 I think it could be. It seems like it would have been 2015; but if not, then maybe 2016, but I think it was 2015. Q. Okay. The end of Section C for doors includes a calculation. Do you see that? 	760
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a while, I will review it, but there's no standard — set standard time period for that. Q. Okay. Was it within the last week? A. I haven't read it within the past week, no. Q. Okay. You haven't seen it within the past week? A. No. I may have seen a section or two of it, but I haven't read it in its entirety. Q. Okay. And when did you see a section or two? 	758	 A. And Beryl Denne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. Q. Okay. Do you know when he stopped working for the county? A. I want to say 2015 or thereabouts. 2015 I think it could be. It seems like it would have been 2015; but if not, then maybe 2016, but I think it was 2015. Q. Okay. The end of Section C for doors includes a calculation. Do you see that? A. Yes. 	760
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a while, I will review it, but there's no standard — set standard time period for that. Q. Okay. Was it within the last week? A. I haven't read it within the past week, no. Q. Okay. You haven't seen it within the past week? A. No. I may have seen a section or two of it, but I haven't read it in its entirety. Q. Okay. And when did you see a section or two? A. I can't remember exactly what day it was, but it 	758	 A. And Beryl Denne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. Q. Okay. Do you know when he stopped working for the county? A. I want to say 2015 or thereehouts. 2015 I think it could be. It seems like it would have been 2015; but if not, then maybe 2016, but I think it was 2015. Q. Okay. The end of Section C for doors includes a calculation. Do you see that? A. Yes. Q. Do you know what that's for? 	7760
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a while, I will review it, but there's no standard — set standard time period for that. Q. Okay. Was it within the last week? A. I haven't read it within the past week, no. Q. Okay. You haven't seen it within the past week? A. No. I may have seen a section or two of it, but I haven't read it in its entirety. Q. Okay. And when did you see a section or two? A. I can't remember exactly what day it was, but it 	758	1 A. And Beryl Denne. 2 Q. And for the record, who is he? 3 A. He was the senior inspector that was working for 4 the county when I started. 5 Q. Okay. Is he still employed by the county? 6 A. He is not. 7 Q. Okay. Do you know when he stopped working for 8 the county? 9 A. I want to say 2015 or thereabouts. 2015 I think 10 it could be. It seems like it would have been 2015; but 11 if not, then maybe 2016, but I think it was 2015. 12 Q. Okay. The end of Section C for doors includes a 13 calculation. Do you see that? 14 A. Yes. 15 Q. Do you know what that's for? 16 A. It's a calculation — it is a calculation that	760
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a while, I will review it, but there's no standard — set standard time period for that. Q. Okay. Was it within the last week? A. I haven't read it within the past week, no. Q. Okay. You haven't seen it within the past week? A. No. I may have seen a section or two of it, but I haven't read it in its entirety. Q. Okay. And when did you see a section or two? A. I can't remember exactly what day it was, but it was recently. Q. Okay. And what was the context? 	758	 A. And Beryl Derne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. Q. Okay. Do you know when he stopped working for the county? A. I want to say 2015 or thereabouts. 2015 I think it could be. It seems like it would have been 2015; but if not, then maybe 2016, but I think it was 2015. Q. Okay. The end of Section C for doors includes a calculation. Do you see that? A. Yes. Q. Do you know what that's for? A. It's a calculation — it is a calculation that 	760
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a while, I will review it, but there's no standard — set standard time period for that. Q. Okay. Was it within the last week? A. I haven't read it within the past week, no. Q. Okay. You haven't seen it within the past week? A. No. I may have seen a section or two of it, but I haven't read it in its entirety. Q. Okay. And when did you see a section or two? A. I can't remember exactly what day it was, but it was recently. Q. Okay. And what was the context? A. It was I'm trying to think. I believe it was 	758	 A. And Beryl Denne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. Q. Okay. Do you know when he stopped working for the county? A. I want to say 2015 or thereshouts. 2015 I think it could be. It seems like it would have been 2015; but if not, then maybe 2016, but I think it was 2015. Q. Okay. The end of Section C for doors includes a calculation. Do you see that? A. It's a calculation — it is a calculation that goes into the formula for calculating the overall door percentage and leaks. 	760
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a vhile, I will review it, but there's no standard — set standard time period for that. Q. Okay. Was it within the last week? A. I haven't read it within the past week, no. Q. Okay. You haven't seen it within the past week? A. No. I may have seen a section or two of it, but I haven't read it in its entirety. Q. Okay. And when did you see a section or two? A. I can't remember exactly what day it was, but it was recently. Q. Okay. And what was the context? A. It was I'm trying to think. I believe it was in relation to charging. 	758 14 12 13 14 14 15 16 17 18 19	 A. And Beryl Denne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. Q. Okay. Do you know when he stopped working for the county? A. I want to say 2015 or thereabouts. 2015 I think it could be. It seems like it would have been 2015; but if not, then maybe 2016, but I think it was 2015. Q. Okay. The end of Section C for doors includes a calculation. Do you see that? A. Yes. Q. Do you know what that's for? A. It's a calculation — it is a calculation that goes into the formula for calculating the overall door percentage and leaks. Q. Okay. And is that the Department's calculation? 	760
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a while, I will review it, but there's no standard — set standard time period for that. Q. Okay. Was it within the last week? A. I haven't read it within the past week, no. Q. Okay. You haven't seen it within the past week? A. No. I may have seen a section or two of it, but I haven't read it in its entirety. Q. Okay. And when did you see a section or two? A. I can't remember exactly what day it was, but it was recently. Q. Okay. And what was the context? A. It was I'm trying to think. I believe it was in relation to charging. Q. Right. And what was the purpose of looking at 	758 14 15 14 15 16 16 16 16 16 16 16 16 16 17 18 19 20	 A. And Beryl Denne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. Q. Okay. Do you know when he stopped working for the county? A. I want to say 2015 or thereabouts. 2015 I think it could be. It seems like it would have been 2015; but if not, then maybe 2016, but I think it was 2015. Q. Okay. The end of Section C for doors includes a calculation. Do you see that? A. It's a calculation — it is a calculation that goes into the formula for calculating the overall door percentage and leaks. Q. Okay. And is that the Department's calculation? A. I balieve so. 	760
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a while, I will review it, but there's no standard — set standard time period for that. Q. Okay. Was it within the last week? A. I haven't read it within the past week, no. Q. Okay. You haven't seen it within the past week? A. No. I may have seen a section or two of it, but haven't read it in its entirety. Q. Okay. And when did you see a section or two? A. I can't remember exactly what day it was, but it was recently. Q. Okay. And what was the context? A. It was I'm trying to think. I believe it was in relation to charging. Q. Right. And what was the purpose of looking at the charging section of Article 21? 	758 14 12 13 14 15 14 15 16 17 18 19 20 21	 A. And Beryl Derne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. Q. Okay. Do you know when he stopped working for the county? A. I want to say 2015 or thereshouts. 2015 I think it could be. It seems like it would have been 2015; but if not, then maybe 2016, but I think it was 2015. Q. Okay. The end of Section C for doors includes a calculation. Do you see that? A. It's a calculation — it is a calculation that goes into the formula for calculating the overall door percentage and leaks. Q. Okay. And is that the Department 's calculation? A. I believe so. Q. And that's the one the Department uses for doors, 	760
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a while, I will review it, but there's no standard — set standard time period for that. Q. Okay. Was it within the last week? A. I haven't read it within the past week, no. Q. Okay. You haven't seen it within the past week? A. No. I may have seen a section or two of it, but I haven't read it in its entirety. Q. Okay. And when did you see a section or two? A. I can't remember exactly what day it was, but it was recently. Q. Okay. And what was the context? A. It was I'm trying to think. I believe it was in relation to charging. Q. Right. And what was the purpose of looking at the charging section of Article 21? A. Just to review it. 	758 14 12 13 14 15 14 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 16 17 18 16 16 17 18 16 19 16 19 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19	 A. And Beryl Denne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. Q. Okay. Do you know when he stopped working for the county? A. I want to say 2015 or thereabouts. 2015 I think it could be. It seems like it would have been 2015; but if not, then maybe 2016, but I think it was 2015. Q. Okay. The end of Section C for doors includes a calculation. Do you see that? A. Yes. Q. Do you know what that's for? A. It's a calculation — it is a calculation that goes into the formula for calculating the overall door percentage and leaks. Q. Okay. And is that the Department's calculation? A. I believe so. Q. And that's the one the Department uses for doors, not door opacity but for door leaks? 	760
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a vhile, I will review it, but there's no standard — set standard time period for that. Q. Okay. Was it within the last week? A. I haven't read it within the past week, no. Q. Okay. You haven't seen it within the past week? A. No. I may have seen a section or two of it, but I haven't read it in its entirety. Q. Okay. And when did you see a section or two? A. I can't remember exactly what day it was, but it was recently. Q. Okay. And what was the context? A. It was I'm trying to think. I believe it was in relation to charging. Q. Right. And what was the purpose of looking at the charging section of Article 21? A. Just to review it. Q. You just looked at it randomly? 	758 14 12 14 15 16 16 16 16 16 16 16 16 16 16 16 16 17 18 19 10 17 18 19 10 17 18 19 10 10 10 10 10 10 10 10 10 10 10 10 10	 A. And Beryl Derne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. Q. Okay. Do you know when he stopped working for the county? A. I want to say 2015 or thereabouts. 2015 I think it could be. It seems like it would have been 2015; but if not, then maybe 2016, but I think it was 2015. Q. Okay. The end of Section C for doors includes a calculation. Do you see that? A. Yes. Q. Do you know what that's for? A. It's a calculation — it is a calculation that goes into the formula for calculating the overall door percentage and leaks. Q. Okay. And is that the Department's calculation? A. I balieve so. Q. And that's the one the Department uses for doors, not door opacity but for door leaks? A. Well, I can't state if they currently use exactly 	760
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a while, I will review it, but there's no standard — set standard time period for that. Q. Okay. Was it within the last week? A. I haven't read it within the past week, no. Q. Okay. You haven't seen it within the past week? A. No. I may have seen a section or two of it, but I haven't read it in its entirety. Q. Okay. And when did you see a section or two? A. I can't remember exactly what day it was, but it was recently. Q. Okay. And what was the context? A. It was I'm trying to think. I believe it was in relation to charging. Q. Right. And what was the purpose of looking at the charging section of Article 21? A. Just to review it. Q. You just looked at it randomly? A. Yes. 	758 758 14 15 16 17 18 19 20 21 22 23 24	 A. And Beryl Derne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. Q. Okay. Do you know when he stopped working for the county? A. I want to say 2015 or thereabouts. 2015 I think it could be. It seems like it would have been 2015; but if not, then maybe 2016, but I think it was 2015. Q. Okay. The end of Section C for doors includes a calculation. Do you see that? A. It's a calculation — it is a calculation that goes into the formula for calculating the overall door percentage and leaks. Q. Okay. And is that the Department's calculation? A. I balieve so. A. Well, I can't state if they currently use exactly that or not, but that's the calculation that at least 	760
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 A. 2013. And since then, I've known that. Q. Okay. Have you read it, that section of Article 21? A. Yes. Q. When is the last time you read it? A. I can't say for certain, because every once in a while, I will review it, but there's no standard — set standard time period for that. Q. Okay. Was it within the last week? A. I haven't read it within the past week, no. Q. Okay. You haven't seen it within the past week? A. No. I may have seen a section or two of it, but i haven't read it in its entirety. Q. Okay. And when did you see a section or two? A. I can't member exactly what day it was, but it was recently. Q. Okay. And what was the context? A. It was I'm trying to think. I believe it was in relation to charging. Q. Right. And what was the purpose of looking at the charging section of Article 21? A. Just to review it. Q. You just looked at it randomly? A. Yes. Q. In the last week? 	758 14 12 13 14 15 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	 A. And Beryl Denne. Q. And for the record, who is he? A. He was the senior inspector that was working for the county when I started. Q. Okay. Is he still employed by the county? A. He is not. Q. Okay. Do you know when he stopped working for the county? A. I want to say 2015 or thereabouts. 2015 I think it could be. It seems like it would have been 2015; but if not, then maybe 2016, but I think it was 2015. Q. Okay. The end of Section C for doors includes a calculation. Do you see that? A. It's a calculation — it is a calculation that goes into the formula for calculating the overall door percentage and leaks. Q. Okay. And is that the Department's calculation? A. I balieve so. Q. And that's the one the Department uses for doors, not door opacity but for door leaks? A. Well, I can't state if they currently use exactly that or not, but that's the calculation that at least had been used for door calculations. 	760

		761			763
1	Q. And how do you know that?		1	A. Connect.	105
2	A. Just from that's what I gathered just from		2	Q. Okay. And if this happens, there's nowhere that	
3	working there.		3	you record how long it takes for the machinery to	
4	${\sf Q}.$ Okay. So your training was that the calculation		4	actually move; is that fair?	
5	identified in Section C is for door leak compliance?		5	A. Fair.	
6	A. Well, I don't know about compliance, but it just		6	${\sf Q}.$ And there's no requirement that you do that, that	
7	gives - well, I don't know about the 10 percent. That		7	you record how long it takes for a piece of machinery to	
8	may not be accurate nowadays. But that was the		8	move, correct?	
9	calculation that was used when this source testing		9	A. There's no requirement.	
10	manual was put together.	:	10	Q. Okay. And are there times when you're inspecting	
11	${\sf Q}.$ Okay. And you're not sure if this calculation is		11	the doors on Batteries 1, 2, and 3 when you would do all	
12	used now?	1	12	of the coke side of Batteries 1, 2, and 3 before moving	
13	A. I can't speak to that.	1	L3	to the push side of those batteries?	
14	${\sf Q}.$ Do you have to do any calculations when you are	1	14	A. Yes.	
15	inspecting doors?	1	15	Q. Okay. And why do you do that?	
16	A. No, other than adding the total door leaks, but	1	6	A. It is a more efficient way to do it.	
17	that's not —	1	.7	Q. Okay. And has anybody told you that that's a	
18	Q. And when do you do that adding?	1	.8	proper way to do an inspection?	
19	A. After I inspect the doors, tally up the doors.	1	9	A. I was told that you can do it that way.	
20	${\sf Q}.$ Is it fair to say that the county doesn't do	2	20	Q. Okay. Who told you that?	
21	anything to audit or check your inspections to make sure	2	21	A. My trainers.	
22	they are done consistently with the source testing	2	2	Q. That would be Angela Crowley and Ms. Denne (sic)?	
23	manual?	2	3	A. Connect.	
24	A. That, I can't say. I don't know.	2	4	Q. Or Mr. Denne?	
25	${\bf Q}.$ Okay. You're not aware of anything that happens?	2	5	A. Correct.	
			-		
		762			764
1	A. I don't — I'm not aware of anything, but I don't	762	1	Q. Okay. Can you look please, sir, at Exhibit 67 on	764
1 2	A. I don't — I'm not aware of anything, but I don't know for sure.	762	1 2	Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document,	764
1 2 3	 A. I don't I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do 	762	1 2 3	Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir.	764
1 2 3 4	 A. I don't — I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? 	762	1 2 3 4	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. 	764
1 2 3 4 5	 A. I don't — I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. 	762	1 2 3 4 5	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you 	764
1 2 3 4 5 6	 A. I don't I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? 	762	1 2 3 4 5 6	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? 	764
1 2 3 4 5 6 7	 A. I don't I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? A. Charging and pushing and travel are timed, and we 	762	1 2 3 4 5 6 7	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? A. It appears to be, yes. 	764
1 2 3 4 5 6 7 8	 A. I don't — I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? A. Charging and pushing and travel are timed, and we keep track of soaking on a stopwatch. 	762	1 2 3 4 5 6 7 8	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? A. It appears to be, yes. Q. You would fill out one of these door inspection 	764
1 2 3 4 5 6 7 8 9	 A. I don't I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? A. Charging and pushing and travel are timed, and we keep track of soaking on a stopwatch. Q. Okay. I want to talk to you about the door 	762	1 2 3 4 5 6 7 8 9	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? A. It appears to be, yes. Q. You would fill out one of these door inspection forms every time you do a door inspection, correct? 	764
1 2 3 4 5 6 7 8 9	 A. I don't I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? A. Charging and pushing and travel are timed, and we keep track of soaking on a stopwatch. Q. Okay. I want to talk to you about the door inspections that you do. You don't follow any timing 	762	1 2 3 4 5 6 7 8 9 0	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? A. It appears to be, yes. Q. You would fill out one of these door inspection forms every time you do a door inspection, correct? A. That's correct. 	764
1 2 3 4 5 6 7 8 9 10	 A. I don't I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? A. Charging and pushing and travel are timed, and we keep track of soaking on a stopwatch. Q. Okay. I want to talk to you about the door inspections that you do. You don't follow any timing requirements for door inspections; is that fair? 	762	1 2 3 4 5 6 7 8 9 0 1	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? A. It appears to be, yes. Q. You would fill out one of these door inspection forms every time you do a door inspection, correct? A. That's correct. Q. When you do a door inspection, you inspect for 	764
1 2 3 4 5 6 7 8 9 10 11 12	 A. I don't I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? A. Charging and pushing and travel are timed, and we keep track of soaking on a stopwatch. Q. Okay. I want to talk to you about the door inspections that you do. You don't follow any timing requirements for door inspections; is that fair? A. There's not a particular time limit on a door 	762	1 2 3 4 5 6 7 8 9 0 1 2	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? A. It appears to be, yes. Q. You would fill out one of these door inspection forms every time you do a door inspection, correct? A. That's correct. Q. When you do a door inspection, you inspect for two things: leaks and opacity? 	764
1 2 3 4 5 6 7 8 9 10 11 12 13	 A. I don't I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? A. Charging and pushing and travel are timed, and we keep track of soaking on a stopwatch. Q. Okay. I want to talk to you about the door inspections that you do. You don't follow any timing requirements for door inspections; is that fair? A. There's not a particular time limit on a door inspection. 	762	1 2 3 4 5 6 7 8 9 0 1 2 3	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? A. It appears to be, yes. Q. You would fill out one of these door inspection forms every time you do a door inspection, correct? A. That's correct. Q. When you do a door inspection, you inspect for two things: leaks and opacity? A. Yes. 	764
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 A. I don't I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? A. Charging and pushing and travel are timed, and we keep track of soaking on a stopwatch. Q. Okay. I want to talk to you about the door inspections that you do. You don't follow any timing requirements for door inspections; is that fair? A. There's not a particular time limit on a door inspection. Q. Okay. And how do you know that? 	762	1 2 3 4 5 6 7 8 9 0 1 2 3 4	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? A. It appears to be, yes. Q. You would fill out one of these door inspection forms every time you do a door inspection, correct? A. That's correct. Q. When you do a door inspection, you inspect for two things: leaks and opacity? A. Yes. Q. Okay. And do you record both whether there is a 	764
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 A. I don't I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? A. Charging and pushing and travel are timed, and we keep track of soaking on a stopwatch. Q. Okay. I want to talk to you about the door inspections that you do. You don't follow any timing requirements for door inspections; is that fair? A. There's not a particular time limit on a door inspection. Q. Okay. And how do you know that? A. That's how I was trained. 	762	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 5	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? A. It appears to be, yes. Q. You would fill out one of these door inspection forms every time you do a door inspection, correct? A. That's correct. Q. When you do a door inspection, you inspect for two things: leaks and opacity? A. Yes. Q. Okay. And do you record both whether there is a leak and then an opacity reading on the same form? 	764
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 A. I don't I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? A. Charging and pushing and travel are timed, and we keep track of soaking on a stopwatch. Q. Okay. I want to talk to you about the door inspections that you do. You don't follow any timing requirements for door inspections; is that fair? A. There's not a particular time limit on a door inspection. Q. Okay. And how do you know that? A. That's how I was trained. Q. Okay. And a door inspection is also called a 	762	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 5 6	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? A. It appears to be, yes. Q. You would fill out one of these door inspection forms every time you do a door inspection, correct? A. That's correct. Q. When you do a door inspection, you inspect for two things: leaks and opacity? A. Yes. Q. Okay. And do you record both whether there is a leak and then an opacity reading on the same form? A. Yes. 	764
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 A. I don't I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? A. Charging and pushing and travel are timed, and we keep track of soaking on a stopwatch. Q. Okay. I want to talk to you about the door inspections that you do. You don't follow any timing requirements for door inspections; is that fair? A. There's not a particular time limit on a door inspection. Q. Okay. And how do you know that? A. That's how I was trained. Q. Okay. And a door inspection is also called a traverse sometimes; is that correct? 	762	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 5 6 7	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? A. It appears to be, yes. Q. You would fill out one of these door inspection forms every time you do a door inspection, correct? A. That's correct. Q. When you do a door inspection, you inspect for two things: leaks and opacity? A. Yes. Q. Okay. And do you record both whether there is a leak and then an opacity reading on the same form? A. Yes. Q. Okay. When you do an opacity reading, how long 	764
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. I don't I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? A. Charging and pushing and travel are timed, and we keep track of soaking on a stopwatch. Q. Okay. I want to talk to you about the door inspections that you do. You don't follow any timing requirements for door inspections; is that fair? A. There's not a particular time limit on a door inspection. Q. Okay. And how do you know that? A. That's how I was trained. Q. Okay. And a door inspection is also called a traverse sometimes; is that correct? A. It could be called a traverse. 	762 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 5 6 7 8 6 7 8 8 6 7 8 8 9	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? A. It appears to be, yes. Q. You would fill out one of these door inspection forms every time you do a door inspection, correct? A. That's correct. Q. When you do a door inspection, you inspect for two things: leaks and opacity? A. Yes. Q. Okay. And do you record both whether there is a leak and then an opacity reading on the same form? A. Yes. Q. Okay. When you do an opacity reading, how long does that take to do? 	764
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 A. I don't I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? A. Charging and pushing and travel are timed, and we keep track of soaking on a stopwatch. Q. Okay. I want to talk to you about the door inspections that you do. You don't follow any timing requirements for door inspections; is that fair? A. There's not a particular time limit on a door inspection. Q. Okay. And how do you know that? A. That's how I was trained. Q. Okay. And a door inspection is also called a traverse sometimes; is that correct? A. It could be called a traverse. Q. Okay. And that means you are walking from one 	762 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 5 6 7 8 6 7 8 9	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? A. It appears to be, yes. Q. You would fill out one of these door inspection forms every time you do a door inspection, correct? A. That's correct. Q. When you do a door inspection, you inspect for two things: leaks and opacity? A. Yes. Q. Okay. And do you record both whether there is a leak and then an opacity reading on the same form? A. Yes. Q. Okay. When you do an opacity reading, how long does that take to do? A. Almost instantaneous. It's just a glance. 	764
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 A. I don't I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? A. Charging and pushing and travel are timed, and we keep track of soaking on a stopwatch. Q. Okay. I want to talk to you about the door inspections that you do. You don't follow any timing requirements for door inspections; is that fair? A. There's not a particular time limit on a door inspection. Q. Okay. And how do you know that? A. That's how I was trained. Q. Okay. And a door inspection is also called a traverse sometimes; is that correct? A. It could be called a traverse. Q. Okay. And that means you are walking from one end of the battery to the other end of the battery, 	762 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 5 7 8 9 0	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? A. It appears to be, yes. Q. You would fill out one of these door inspection forms every time you do a door inspection, correct? A. That's correct. Q. When you do a door inspection, you inspect for two things: leaks and opacity? A. Yes. Q. Okay. And do you record both whether there is a leak and then an opacity reading on the same form? A. Yes. Q. Okay. When you do an opacity reading, how long does that take to do? A. Almost instantancous. It's just a glance. Q. Okay, just a glance. Like a blink of an eye? 	764
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 A. I don't I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? A. Charging and pushing and travel are timed, and we keep track of soaking on a stopwatch. Q. Okay. I want to talk to you about the door inspections that you do. You don't follow any timing requirements for door inspections; is that fair? A. There's not a particular time limit on a door inspection. Q. Okay. And how do you know that? A. That's how I was trained. Q. Okay. And a door inspection is also called a traverse sometimes; is that correct? A. It could be called a traverse. Q. Okay. And that means you are walking from one end of the battery to the other end of the battery, correct? 	762 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 5 5 7 8 9 0 1 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 5 6 7 8 9 0 1 2 3 4 5 5 6 7 8 9 0 0 1 2 3 4 5 5 6 6 7 7 8 9 0 0 1 2 3 4 5 5 6 7 7 8 9 0 1 2 3 4 5 5 6 7 7 8 9 0 1 2 3 4 5 5 6 7 7 8 9 0 1 2 3 4 5 5 6 7 7 8 9 0 0 1 2 3 4 5 5 6 7 7 8 9 0 0 1 2 3 4 5 5 7 7 8 9 0 0 1 2 3 4 5 5 7 7 8 9 0 0 1 2 3 4 5 5 7 7 8 9 0 0 1 2 3 4 5 5 7 8 9 0 0 1 2 3 4 5 5 7 8 9 0 1 2 3 1 2 5 5 1 2 3 1 2 5 1 2 3 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 1 1 1 2 5 1 1 2 1 1 2 1 1 1 1	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? A. It appears to be, yes. Q. You would fill out one of these door inspection forms every time you do a door inspection, correct? A. That's correct. Q. When you do a door inspection, you inspect for two things: leaks and opacity? A. Yes. Q. Okay. And do you record both whether there is a leak and then an opacity reading on the same form? A. Yes. Q. Okay. When you do an opacity reading, how long does that take to do? A. Almost instantaneous. It's just a glance. Q. Okay, just a glance. Like a blink of an eye? A. Well, it's a fraction of a second, I would say. 	764
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 A. I don't - I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? A. Charging and pushing and travel are timed, and we know track of soaking on a stopwatch. Q. Okay. I want to talk to you about the door inspections that you do. You don't follow any timing requirements for door inspections; is that fair? A. There's not a particular time limit on a door inspection. Q. Okay. And how do you know that? A. That's how I was trained. Q. Okay. And a door inspection is also called a traverse sometimes; is that correct? A. It could be called a traverse. Q. Okay. And that means you are walking from one end of the battery to the other end of the battery, correct? A. Correct. 	762 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 1 2 3 4 5 5 6 7 8 9 0 1 1 2 3 4 5 5 6 7 7 8 9 0 1 1 2 3 4 5 5 6 7 7 8 9 0 1 2 3 4 5 5 6 7 7 8 9 0 1 1 2 8 9 0 1 2 3 4 5 5 6 7 7 8 9 0 1 1 2 8 9 0 1 1 2 8 9 0 1 1 2 8 9 0 1 1 2 8 9 0 1 1 2 8 9 0 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 1 2 8 9 1 1 2 8 1 1 2 1 1 2 1 1 2 1 1 1 2 1 2 1	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? A. It appears to be, yes. Q. You would fill out one of these door inspection forms every time you do a door inspection, correct? A. That's correct. Q. When you do a door inspection, you inspect for two things: leaks and opacity? A. Yes. Q. Okay. And do you record both whether there is a leak and then an opacity reading on the same form? A. Yes. Q. Okay. When you do an opacity reading, how long does that take to do? A. Almost instantancous. It's just a glance. Q. Okay. And to do an opacity reading, it takes a 	764
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 A. I don't - I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? A. Charging and pushing and travel are timed, and we keep track of soaking on a stopwatch. Q. Okay. I want to talk to you about the door inspections that you do. You don't follow any timing requirements for door inspections; is that fair? A. There's not a particular time limit on a door inspection. Q. Okay. And how do you know that? A. That's how I was trained. Q. Okay. And a door inspection is also called a traverse sometimes; is that correct? A. It could be called a traverse. Q. Okay. And that means you are walking from one end of the battery to the other end of the battery, correct? A. Correct. Q. There are times when you're doing a door 	762 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 5 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 5 6 7 8 9 0 1 2 3 4 5 5 6 7 8 9 0 1 2 3 4 5 5 6 7 8 9 0 1 2 3 4 5 5 6 7 8 9 0 1 2 3 4 5 5 6 7 8 9 0 1 2 3 4 5 5 6 7 8 9 0 1 2 3 4 5 5 6 7 8 9 0 1 2 3 4 5 5 6 7 8 9 0 1 2 3 4 5 5 6 7 8 9 0 1 2 3 4 5 5 7 8 9 0 1 2 3 4 5 5 7 8 9 1 2 3 4 5 5 7 8 9 1 2 3 4 5 5 7 8 9 1 2 3 4 5 5 7 8 9 1 2 3 4 5 5 5 7 8 9 1 2 3 4 5 5 7 8 9 1 2 3 4 5 5 7 7 8 9 1 2 3 4 5 5 7 8 9 1 2 3 4 5 5 7 8 9 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? A. It appears to be, yes. Q. You would fill out one of these door inspection forms every time you do a door inspection, correct? A. That's correct. Q. When you do a door inspection, you inspect for two things: leaks and opacity? A. Yes. Q. Okay. And do you record both whether there is a leak and then an opacity reading on the same form? A. Yes. Q. Okay. When you do an opacity reading, how long does that take to do? A. Almost instantaneous. It's just a glance. Q. Okay. And to do an opacity reading, it takes a fraction of a second and then you record the reading on 	764
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 A. I don't I'm not aware of anything, but I don't know for sure. Q. Okay. For all your inspections that you do, do you time them? A. Some are timed, not all of them. Q. Okay. Which ones are timed? A. Charging and pushing and travel are timed, and we have track of soaking on a stopwatch. Q. Okay. I want to talk to you about the door inspections that you do. You don't follow any timing requirements for door inspections; is that fair? A. Thare's not a particular time limit on a door inspection. Q. Okay. And how do you know that? A. That's how I was trained. Q. Okay. And a door inspection is also called a traverse sometimes; is that correct? A. It could be called a traverse. Q. Okay. And that means you are walking from one end of the battery to the other end of the battery, correct? A. Correct. Q. There are times when you're doing a door inspection and the doors would be blocked by machinery 	762 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 5 7 8 9 0 1 2 3 4 1 5 6 7 8 9 0 1 2 3 4 5 5 6 7 8 9 0 1 2 3 4 5 5 6 7 8 9 0 1 2 3 4 5 5 6 7 8 9 0 1 2 3 4 5 5 6 6 7 7 8 9 0 1 2 3 4 5 5 6 7 7 8 9 0 1 2 3 4 5 5 6 6 7 7 8 9 0 1 2 3 4 5 5 6 7 7 8 9 0 1 2 3 4 5 5 6 6 7 7 8 9 0 1 2 3 4 5 5 6 7 7 8 9 0 1 2 3 4 5 5 6 7 7 8 9 0 1 2 3 4 5 5 7 8 9 0 1 2 3 4 5 5 7 8 9 0 1 2 3 4 5 5 7 8 9 0 1 2 3 4 5 5 7 8 9 1 5 7 8 9 1 2 3 4 1 2 5 7 8 9 1 1 2 3 1 2 1 2 1 2 3 1 2 5 1 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1	 Q. Okay. Can you look please, sir, at Exhibit 67 on page 21? And if you could move to 21 of that document, please, sir. A. Okay. Q. Page 21, is this a door inspection form that you filled out? A. It appears to be, yes. Q. You would fill out one of these door inspection forms every time you do a door inspection, correct? A. That's correct. Q. When you do a door inspection, you inspect for two things: leaks and opacity? A. Yes. Q. Okay. And do you record both whether there is a leak and then an opacity reading on the same form? A. Yes. Q. Okay. When you do an opacity reading, how long does that take to do? A. Almost instantaneous. It's just a glance. Q. Okay. And to do an opacity reading, it takes a fraction of a second and then you record the reading on the same form? 	764

		765	767
1	${\sf Q}.$ Okay. And do you record the reading right after		1 A. It's there, but my focus is on a single door.
2	you do the reading?		2 Q. Okay. And so if you're observing the oven door
3	A. Yes.		3 that's C30, would oven door C32 be two doors away?
4	Q_{\cdot} Okay. On this form, if we look at the coke side,		4 A. That it would, yes.
5	the first two readings are for Ovens C30 and C32; is		5 Q. Okay. And when you are doing a reading on Oven
6	that correct?		6 C30, would you also be able to see Oven C32 in your
7	A. Correct.		7 peripheral vision?
8	Q. And this would be on the C battery?		8 A. It is to a lesser extent.
9	A, Yes.		9 Q. Okay. On the far right column, there are times
10	Q. How far away from the doors are you standing when	1	.0 noted. Are those the times when you took the opacity
11	you are doing this inspection?	1	1 readings?
12	A. I can't give an exact distance, but it's	1	2 A. Yes.
13	definitely greater than 25 feet.	1	3 0. Okay. And the opacity readings column, what does
14	O Okay And how do you know that?	1	4 that represent?
15	Δ T con _ we estimation is it is most or than 25	1	5 A That is an aparity matting on the door look
16	fact It's a good distance from the doors	1	6 0 And do you use the FPA Method 100 to do these
17	O Okay so you are estimating?	1.	7 appoints readings?
10	Q. Okay, so you are estimating:		opacity readings:
10	A. Yean. It's quite a distance from the doors.	10	A. I use Method 9 to do those opecity readings.
19	Q. Okay. You've never done actual measurements to		9 Q. Okay. And that's the Method 9 that you are
20	see now far away from the doors you are when you are	20	U certified under?
21	doing door inspections?	2.	1 A. Correct.
22	A. No.	22	2 Q. Do you ever deviate from Method 9?
23	Q. All right. How wide are the coke oven doors?	23	3 A. When I'm doing these reachings?
24	A. Generally, I would say about a foot and a half.	24	4 Q. Yeah.
25	${f Q}.$ Okay. And so if you are more than 25 feet away	25	5 A. No.
		766	768
1	in looking at doors that are a foot-and-a-half wide, can	1	1 Q. Okay.
2	you see more than one door at the same time?	2	2 A. I mean, not that I'm aware of.
3	A. I'm — when I do my doors, I do them	3	Q. Where is it that you're looking at an oven to do
4	sequentially, so I look at each door individually. I	4	4 a door leak inspection?
5	don't look at more than one door at one time.	5	5 A. At the top of the door, between there and the top
6	${f Q},$ Okay. So you're more than 25 feet away and	6	6 of the battery.
7	you're only looking at one door that's a foot-and-a-half	7	7 O. Okay. And is that the area where you are looking
8	wide?	8	, c, out, ind to that the treat mate you are rooking
9	A That's correct		8 for both leaks and for opacity?
10	/ . Hat S curect.	9	 6 only, that is that is the area that I'm looking for opacity. A. That's the area that I'm looking for opacity.
	Q. And you don't see anything on either side of that	9 10	 6 for both leaks and for opacity? A. That's the area that I'm looking for opacity. Q. Okay. Where do you look for leaks?
11	Q. And you don't see anything on either side of that door?	9 10 11	 a. That is that is that in looking for opacity. A. That's the area that I'm looking for opacity. Q. Okay. Where do you look for leaks? A. Anywhere in the door area.
11 12	 Q. And you don't see anything on either side of that door? A. I look at a single door. 	9 10 11 12	 a. That is that is the the first where you do reaching for both leaks and for opacity? A. That's the area that I'm looking for opacity. Q. Okay. Where do you look for leaks? A. Anywhere in the door area. Q. So you look in different spots for door leaks and
11 12 13	 Q. And you don't see anything on either side of that door? A. I look at a single door. Q. Okay. Do you see anything on either side of it 	9 10 11 12 13	 a choice in the last the tree where you are reaching for both leaks and for opacity? A. That's the area that I'm looking for opacity. Q. Okay. Where do you look for leaks? A. Anywhere in the door area. Q. So you look in different spots for door leaks and for door opacity?
11 12 13 14	 Q. And you don't see anything on either side of that door? A. I look at a single door. Q. Okay. Do you see anything on either side of it when you do that? 	9 10 11 12 13 14	 for both leaks and for opacity? A. That's the area that I'm looking for opacity. Q. Okay. Where do you look for leaks? A. Anywhere in the door area. Q. So you look in different spots for door leaks and for door opacity? A. That's correct.
11 12 13 14 15	 Q. And you don't see anything on either side of that door? A. I look at a single door. Q. Okay. Do you see anything on either side of it when you do that? A. If you are talking about peripheral vision. But 	9 10 11 12 13 14 15	 a. That is that is the treat where you do reaching for both leaks and for opacity? A. That's the area that I'm looking for opacity. Q. Okay. Where do you look for leaks? A. Anywhere in the door area. Q. So you look in different spots for door leaks and for door opacity? A. That's correct. Q. The form that you fill out for door inspections,
11 12 13 14 15 16	 Q. And you don't see anything on either side of that door? A. I look at a single door. Q. Okay. Do you see anything on either side of it when you do that? A. If you are talking about peripheral vision. But when I'm looking, I'm focusing on one door. 	9 10 11 12 13 14 15 16	 a. That is that is the the treat where you do itsering for both leaks and for opacity? A. That's the area that I'm looking for opacity. Q. Okay. Where do you look for leaks? A. Anywhere in the door area. Q. So you look in different spots for door leaks and for door opacity? A. That's correct. Q. The form that you fill out for door inspections, that doesn't show where you were standing for any given
11 12 13 14 15 16 17	 Q. And you don't see anything on either side of that door? A. I look at a single door. Q. Okay. Do you see anything on either side of it when you do that? A. If you are talking about peripheral vision. But when I'm looking, I'm focusing on one door. Q. I understand that, but I'm asking if you can see 	9 10 11 12 13 14 15 16 17	 for both leaks and for opacity? A. That's the area that I'm looking for opacity. Q. Okay. Where do you look for leaks? A. Anywhere in the door area. Q. So you look in different spots for door leaks and for door opacity? A. That's correct. Q. The form that you fill out for door inspections, that doesn't show where you were standing for any given inspection; is that fair?
11 12 13 14 15 16 17 18	 Q. And you don't see anything on either side of that door? A. I look at a single door. Q. Okay. Do you see anything on either side of it when you do that? A. If you are talking about peripheral vision. But when I'm looking, I'm focusing on one door. Q. I understand that, but I'm asking if you can see other doors besides the door you are focusing on when 	9 10 11 12 13 14 15 16 17 18	 for both leaks and for opacity? A. That's the area that I'm looking for opacity. Q. Okay. Where do you look for leaks? A. Anywhere in the door area. Q. So you look in different spots for door leaks and for door opacity? A. That's correct. Q. The form that you fill out for door inspections, that doesn't show where you were standing for any given inspection; is that fair? A. For - are you still referring to the door
11 12 13 14 15 16 17 18 19	 Q. And you don't see anything on either side of that door? A. I look at a single door. Q. Okay. Do you see anything on either side of it when you do that? A. If you are talking about peripheral vision. But when I'm looking, I'm focusing on one door. Q. I understand that, but I'm asking if you can see other doors besides the door you are focusing on when you are looking? 	9 10 11 12 13 14 15 16 17 18 19	 for both leaks and for opacity? A. That's the area that I'm looking for opacity. Q. Okay. Where do you look for leaks? A. Anywhere in the door area. Q. So you look in different spots for door leaks and for door opacity? A. That's correct. Q. The form that you fill out for door inspections, that doesn't show where you were standing for any given inspection; is that fair? A. For - are you still referring to the door
11 12 13 14 15 16 17 18 19 20	 Q. And you don't see anything on either side of that door? A. I look at a single door. Q. Okay. Do you see anything on either side of it when you do that? A. If you are talking about peripheral vision. But when I'm looking, I'm focusing on one door. Q. I understand that, but I'm asking if you can see other doors besides the door you are focusing on when you are looking? A. Only with peripheral vision. 	9 10 11 12 13 14 15 16 17 18 19 20	 a. that is that are the first where you do reaching for both leaks and for opacity? A. That's the area that I'm looking for opacity. Q. Okay. Where do you look for leaks? A. Anywhere in the door area. Q. So you look in different spots for door leaks and for door opacity? A. That's correct. Q. The form that you fill out for door inspections, that doesn't show where you were standing for any given inspection; is that fair? A. For - are you still referring to the door inspections? Q. Yes.
11 12 13 14 15 16 17 18 19 20 21	 Q. And you don't see anything on either side of that door? A. I look at a single door. Q. Okay. Do you see anything on either side of it when you do that? A. If you are talking about peripheral vision. But when I'm looking, I'm focusing on one door. Q. I understand that, but I'm asking if you can see other doors besides the door you are focusing on when you are looking? A. Only with peripheral vision. Q. Okay. Do you do anything to just block out the 	9 10 11 12 13 14 15 16 17 18 19 20 21	 for both leaks and for opacity? A. That's the area that I'm looking for opacity. Q. Okay. Where do you look for leaks? A. Anywhere in the door area. Q. So you look in different spots for door leaks and for door opacity? A. That's correct. Q. The form that you fill out for door inspections, that doesn't show where you were standing for any given inspection; is that fair? A. For - are you still referring to the door Q. Yes. A. No, it does not.
11 12 13 14 15 16 17 18 19 20 21 22	 Q. And you don't see anything on either side of that door? A. I look at a single door. Q. Okay. Do you see anything on either side of it when you do that? A. If you are talking about peripheral vision. But when I'm looking, I'm focusing on one door. Q. I understand that, but I'm asking if you can see other doors besides the door you are focusing on when you are looking? A. Chly with peripheral vision. Q. Okay. Do you do anything to just block out the one door? Do you use your hands or any other device? 	9 10 11 12 13 14 15 16 17 18 19 20 21 22	 for both leaks and for opacity? A. That's the area that I'm looking for opacity. Q. Okay. Where do you look for leaks? A. Anywhere in the door area. Q. So you look in different spots for door leaks and for door opacity? A. That's correct. Q. The form that you fill out for door inspections, that doesn't show where you were standing for any given inspection; is that fair? A. For - are you still referring to the door inspections? Q. Yes. A. No, it does not. Q. Okay. So you don't record the location where you
11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. And you don't see anything on either side of that door? A. I look at a single door. Q. Okay. Do you see anything on either side of it when you do that? A. If you are talking about peripheral vision. But when I'm looking, I'm focusing on one door. Q. I understand that, but I'm asking if you can see other doors besides the door you are focusing on when you are looking? A. Only with peripheral vision. Q. Okay. Do you do anything to just block out the one door? Do you use your hands or any other device? A. No, I just focus on the door that I'm inspecting. 	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 for both leaks and for opacity? A. That's the area that I'm looking for opacity. Q. Okay. Where do you look for leaks? A. Anywhere in the door area. Q. So you look in different spots for door leaks and for door opacity? A. That's correct. Q. The form that you fill out for door inspections, that doesn't show where you were standing for any given inspection; is that fair? A. For - are you still referring to the door inspections? Q. Yes. A. No, it does not. Q. Okay. So you don't record the location where you are standing when you do a door inspection for opacity?
11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Q. And you don't see anything on either side of that door? A. I look at a single door. Q. Okay. Do you see anything on either side of it when you do that? A. If you are talking about peripheral vision. But when I'm looking, I'm focusing on one door. Q. I understand that, but I'm asking if you can see other doors besides the door you are focusing on when you are looking? A. Only with peripheral vision. Q. Okay. Do you do anything to just block out the one door? Do you use your hands or any other device? A. No, I just focus on the door that I'm inspecting. Q. Okay. And when you are doing your inspection. 	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 for both leaks and for opacity? A. That's the area that I'm looking for opacity. Q. Okay. Where do you look for leaks? A. Anywhere in the door area. Q. So you look in different spots for door leaks and for door opacity? A. That's connect. Q. The form that you fill out for door inspections, that doesn't show where you were standing for any given inspection; is that fair? A. For - are you still referring to the door impections? Q. Yes. A. No, it does not. Q. Okay. So you don't record the location where you are standing when you do a door inspection for opacity? A. It's not logged on the sheet, no.
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 Q. And you don't see anything on either side of that door? A. I look at a single door. Q. Okay. Do you see anything on either side of it when you do that? A. If you are talking about peripheral vision. But when I'm looking, I'm focusing on one door. Q. I understand that, but I'm asking if you can see other doors besides the door you are focusing on when you are looking? A. Only with peripheral vision. Q. Okay. Do you do anything to just block out the one door? Do you use your hands or any other device? A. No, I just focus on the door that I'm inspecting. Q. Okay. And when you are doing your inspection, you have your entire peripheral vision? 	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 23 24 25	 for both leaks and for opacity? A. That's the area that I'm looking for opacity. Q. Okay. Where do you look for leaks? A. Anywhere in the door area. Q. So you look in different spots for door leaks and for door opacity? A. That's correct. Q. The form that you fill out for door inspections, that doesn't show where you were standing for any given inspection; is that fair? A. For - are you still referring to the door inspections? Q. Yes. A. No, it does not. Q. Okay. So you don't record the location where you are standing when you do a door inspection for opacity? A. It's not logged on the sheet, no. Q. Right. And you don't record it somewhere else

		769			771
1	outside of the sheet?		1	time of your inspection?	
2	A. Correct.		2	A. That's part of the procedure.	
3	${\sf Q}.$ You've noted on this sheet that the sun is		3	Q. What procedure?	
4	visible; is that right?		4	A. The procedure I use to inspect doors.	
5	A. Connect.		5	$Q. \ $ Okay. And where do you find that procedure?	
6	$Q.\ $ But you didn't record where the sun was		б	A. That would be I can't say for sure, but that's	
7	positioned at the time of your reading; is that fair?		7	part of the procedure.	
8	A. Correct.		8	${\sf Q}.$ Okay. And are you sure 100 percent that there's	
9	Q. You didn't record wind direction on this form,		9	a written procedure that you follow that requires you to	
10	correct?		10	record the start and end time of your doors?	
11	A. Correct.		11	A. I believe it's in the source testing manual.	
12	Q. And you don't record wind speed?		12	Q. Okay. The bottom right of this form says "D, C,	
13	A. Correct.		13	and M." Do you see that?	
14	Q. You don't record a description of the sky		14	A, Yeah.	
15	condition at the time you are doing your inspection.		15	\mathbf{O} . D is the door?	
16	mrrect?		16	A Yes	
17	A Not on the door inspection		17	O That is the cole owen door?	
18	O Okay You don't record what was behind any nime		18		
10	Q. Okay. Too don't record what was benind any prome		10	\mathbf{O} (i.e. a church door on the color streng)	
20	where you are reading opacity doing a door inspection:		20	A v-	
20			20		
21	Q. The door inspection you aid on the push side, how		21	Q. What does M represent?	
22	long did that take on March 26th, 2018?	2	22	A. That can be anything other than the door and the	
23	A. That took seven minutes.	2	23	chunk door.	
24	Q. Okay. And how long did the inspection take on	2	24	Q. And what would those things be?	
25	the coke side?	2	25	A. Anything leaking between the top of the battery	
1	A. Six minutes.	770	1	and the bench and between both buckstays.	772
2	${\sf Q}.$ Is there a typical time that it takes for you to		2	Q. And what would those things be?	
3	do your door inspections?		3	A. The buckstays divide each oven, and then the top	
4	A. There is not.		4	of the battery is the top and the bench is the platform	
5	Q. Okay. Does it vary?		5	at the base of the door that you walk on.	
6	A. It does.		6	${\sf Q}.$ Okay. And so "miscellaneous" would represent any	
7	${\sf Q}.$ And can you give us some sense as to, on the		7	buckstays, top of the battery, or the bench?	
8	longer end, how long would a door inspection take?		8	A. It could be from the brick work, the lentil. It	
9	A. I don't have a hard figure for that.		9	could be anywhere other than the door and the chuck	
10	Q. And what's your best estimation?	1	.0	door. But that whole area is considered to be the door	
11	A. I really don't — I can't say. I don't know. I	1	1	area. It could be from anywhere in there.	
12	mean, it just takes as long as it takes.	1	2	$Q.\;$ And so that would represent, M, miscellaneous,	
13	${\sf Q}.$ Right. And so we can see that there at least was	1	.3	would represent buckstays, the top of the battery, the	
14	a seven-minute door inspection that was recorded; is	1	4	bench, the brick work and the	
15	that fair?	1	5	A. No, not the bench, because that's between the	
16	A. Yes. That was a half of an inspection, though.	1	6	bench and the top of the battery.	
17	${f Q}.$ Okay. And do you think there are times when it	1	7	Q. Okay. What's that called?	
18	takes more than seven minutes to do half of an	1	8	A. That's the door area.	
19	inspection of doors?	1	9	${\sf Q}.$ Okay. That would be a D on this form, correct?	
20	A. It could, yes.	2	0	A. The door is the door and the area would be M.	
21	Q. Okay. Is it fair to say that there are times	2	1	${\sf Q}.$ Okay. And so the area between the top of the	
22	when it doesn't take seven minutes to do a traverse of	2	2	battery and the bench, is that the door?	
23	door inspections?	2	3	A. That's the door area.	
24	A. Connect.	2	4	Q. Okay. Would that be a D on this form?	
25	Q. What's the purpose of recording the start and end	2	5	A. That would be an M if it's not the door or the	
	Letter	ter.			

		773			775
1	chuck door.		1	${\sf Q}.$ Okay. Can you look at Exhibit 63 on page 3?	
2	$Q_{\boldsymbol{\cdot}}$. And what are the things that aren't the door or		2	A. What page did you say.	
3	the chuck door? That's what I'm trying to understand,		3	$Q.\ $ It might be the wrong page. I'm sorry, sir. Can	
4	what an M would be.		4	you look at Exhibit 69 on page 3?	
5	MR. WILLIS: Didn't he answer that?		5	A. It would be in this one?	
6	MR. DOWNARD: Yeah. The brick work, the lentil,		6	HEARING OFFICER SLATER: Oh, that would be Volume	
7	and the area adjacent to the buckstays, any of that area		7	2.	
8	that's called the door area other than the door and the		8	MR. DOWNARD: Volume 2, okay.	
9	chuck door.		9	BY MR. DAUSCH:	
10	HEARING OFFICER SLATER: So the M is the door		10	${\sf Q}.~$ Are you familiar with this form, sir?	
11	area?		11	A. It's a charging inspection form that we use.	
12	MR. DOWNARD: M would be the door area. But if		12	${\sf Q}.~$ And this is a form that you filled out?	
13	it's the door itself, you put a D. If it's the chuck	1	13	A. It's not a form that I filled out.	
14	door, you'd put a C.		14	Q. Is that your name on the top right?	
15	HEARING OFFICER SLATER: Okay.		15	A. Are you referring to page what page?	
16	BY MR. DAUSCH:		16	Q. Page 3 on Exhibit 69.	
17	${\sf Q}. \ $ And just so it's clear on the record, the M then		17	A. That would be me, yes.	
18	would represent the buckstays, the brickwork, and the		18	${\sf Q}.$ Okay. And this is a charge and inspection form	
19	lentils?		19	that you filled out on January 4th of this year,	
20	A. Well, the brickwork, anything in that door area		20	correct?	
21	that's leaking.		21	A. Yes.	
22	${\sf Q}.$ All right. Are there things other than the		22	Q. Of 2018?	
23	buckstays, the brickwork, and the lentil that would be		23	A. Yes.	
24	part of the miscellaneous?		24	Q. This would be for Battery C?	
25	A. It could come through the brickwork. It could		25	A. Yes.	
-					
1	one through proving in that area use	774	1	Ω . And the charging inspection form that we are	776
1	come through anywhere in that area, yes. O all right Sir I just want to make sure we have	774	1	Q. And the charging inspection form that we are	776
1 2 3	come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form.	774	1 2 3	Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct?	776
1 2 3 4	come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Bight now, my understanding is that M could represent	774	1 2 3 4	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. 	776
1 2 3 4 5	come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstave, the	774	1 2 3 4 5	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like 	776
1 2 3 4 5 6	come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything	774	1 2 3 4 5 6	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? 	776
1 2 3 4 5 6 7	come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything else other than those three things?	774	1 2 3 4 5 6 7	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? A. Yes. 	776
1 2 3 4 5 6 7 8	come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything else other than those three things? A. All I can say is if there's a leak in that area	774	1 2 3 4 5 6 7 8	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? A. Yes. Q. Did you fill that out? 	776
1 2 3 4 5 6 7 8 9	 come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything else other than those three things? A. All I can say is if there's a leak in that area and it's not the door or the druck door, then it would 	774	1 2 3 4 5 6 7 8 9	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? A. Yes. Q. Did you fill that out? A. Yesh, the rectangle is part of this form. 	776
1 2 3 4 5 6 7 8 9	 come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything else other than those three things? A. All I can say is if there's a leak in that area and it's not the door or the dnuck door, then it would be an M. 	774	1 2 3 4 5 6 7 8 9	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? A. Yes. Q. Did you fill that out? A. Yesh, the rectangle is part of this form. Q. Can you explain to us what the drawing in the 	776
1 2 3 4 5 6 7 8 9 10 11	 come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything else other than those three things? A. All I can say is if there's a leak in that area and it's not the door or the chuck door, then it would be an M. Q. In that area, would it be called 	774	1 2 3 4 5 6 7 8 9 10 11	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? A. Yes. Q. Did you fill that out? A. Yesh, the rectangle is part of this form. Q. Can you explain to us what the drawing in the rectangle means? 	776
1 2 3 4 5 6 7 8 9 10 11 12	 come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything else other than those three things? A. All I can say is if there's a leak in that area and it's not the door or the chuck door, then it would be an M. Q. In that area, would it be called A. The door area; the top of the battery to the 	774	1 2 3 4 5 6 7 8 9 10 11 12	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? A. Yes. Q. Did you fill that out? A. Yesh, the rectangle is part of this form. Q. Can you explain to us what the drawing in the rectangle means? A. That would be the top view of the battery, in 	776
1 2 3 4 5 6 7 8 9 10 11 12 13	 come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything else other than those three things? A. All I can say is if there's a leak in that area and it's not the door or the chuck door, then it would be an M. Q. In that area, would it be called A. The door area; the top of the battery to the bench; the left buckstay to the right buckstay of that 	774	1 2 3 4 5 6 7 8 9 10 11 12 13	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? A. Yes. Q. Did you fill that out? A. Yesh, the rectangle is part of this form. Q. Can you explain to us what the drawing in the rectangle means? A. That would be the top view of the battery, in other words, an aerial. 	776
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything else other than those three things? A. All I can say is if there's a leak in that area and it's not the door or the chuck door, then it would be an M. Q. In that area, would it be called A. The door area; the top of the battery to the bench; the left buckstay to the right buckstay of that particular oven door. 	774	1 2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? A. Yes. Q. Did you fill that out? A. Yesh, the rectangle is part of this form. Q. Can you explain to us what the drawing in the rectangle means? A. That would be the top view of the battery, in other words, an aerial. Q. And the five circles, what do those represent? 	776
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything else other than those three things? A. All I can say is if there's a leak in that area and it's not the door or the chuck door, then it would be an M. Q. In that area, would it be called A. The door area; the top of the battery to the banch; the left buckstay to the right buckstay of that particular oven door. Q. Okay. And there's nothing else that it's called 	774	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? A. Yes. Q. Did you fill that out? A. Yesh, the rectangle is part of this form. Q. Can you explain to us what the drawing in the rectangle means? A. That would be the top view of the battery, in other words, an aerial. Q. And the five circles, what do those represent? A. That would be the charging ports on that 	776
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything else other than those three things? A. All I can say is if there's a leak in that area and it's not the door or the chuck door, then it would be an M. Q. In that area, would it be called A. The door area; the top of the battery to the bench; the left buckstay to the right buckstay of that particular oven door. Q. Okay. And there's nothing else that it's called other than the buckstays, the brickwork, and the 	774	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? A. Yes. Q. Did you fill that out? A. Yesh, the rectangle is part of this form. Q. Can you explain to us what the drawing in the rectangle means? A. That would be the top view of the battery, in other words, an aerial. Q. And the five circles, what do those represent? A. That would be the charging ports on that particular oven. 	776
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything else other than those three things? A. All I can say is if there's a leak in that area and it's not the door or the chuck door, then it would be an M. Q. In that area, would it be called A. The door area; the top of the battery to the banch; the left buckstay to the right buckstay of that particular oven door. Q. Okay. And there's nothing else that it's called other than the buckstays, the brickwork, and the lentils? 	774	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? A. Yes. Q. Did you fill that out? A. Yesh, the rectangle is part of this form. Q. Can you explain to us what the drawing in the rectangle means? A. That would be the top view of the battery, in other words, an aerial. Q. And the five circles, what do those represent? A. That would be the charging ports on that particular oven. Q. Okay, so this is Battery C. There would be five 	776
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything else other than those three things? A. All I can say is if there's a leak in that area and it's not the door or the chuck door, then it would be an M. Q. In that area, would it be called A. The door area; the top of the battery to the batch; the left buckstay to the right buckstay of that particular oven door. Q. Okay. And there's nothing else that it's called other than the buckstays, the brickwork, and the lentils? A. Well, if there is there may be, but that's the 	774	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? A. Yes. Q. Did you fill that out? A. Yesh, the rectangle is part of this form. Q. Can you explain to us what the drawing in the rectangle means? A. That would be the top view of the battery, in other words, an aerial. Q. And the five circles, what do those represent? A. That would be the charging ports on that particular oven. Q. Okay, so this is Battery C. There would be five charging ports? 	776
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything else other than those three things? A. All I can say is if there's a leak in that area and it's not the door or the chuck door, then it would be an M. Q. In that area, would it be called A. The door area; the top of the battery to the bench; the left buckstay to the right buckstay of that particular oven door. Q. Okay. And there's nothing else that it's called other than the buckstays, the brickwork, and the lentils? A. Wall, if there is there may be, but that's the thing that I'm the most familiar with. 	774	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? A. Yes. Q. Did you fill that out? A. Yesh, the rectangle is part of this form. Q. Can you explain to us what the drawing in the rectangle means? A. That would be the top view of the battery, in other words, an aerial. Q. And the five circles, what do those represent? A. That would be the charging ports on that particular oven. Q. Okay, so this is Battery C. There would be five charging ports? A. Yes. 	776
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything else other than those three things? A. All I can say is if there's a leak in that area and it's not the door or the druck door, then it would be an M. Q. In that area, would it be called A. The door area; the top of the battery to the barch; the left buckstay to the right buckstay of that particular oven door. Q. Okay. And there's nothing else that it's called other than the buckstays, the brickwork, and the lentils? A. Wall, if there is there may be, but that's the thing that I'm the most familiar with. Q. And did you have training on this form? 	774	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? A. Yes. Q. Did you fill that out? A. Yesh, the rectangle is part of this form. Q. Can you explain to us what the drawing in the rectangle means? A. That would be the top view of the battery, in other words, an aerial. Q. And the five circles, what do those represent? A. That would be the charging ports on that particular oven. Q. Okay, so this is Battery C. There would be five charging ports? A. Yes. Q. And what does the X represent? 	776
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything else other than those three things? A. All I can say is if there's a leak in that area and it's not the door or the chuck door, then it would be an M. Q. In that area, would it be called A. The door area; the top of the battery to the batch; the left buckstay to the right buckstay of that particular oven door. Q. Okay. And there's nothing else that it's called other than the buckstays, the brickwork, and the lentils? A. Wall, if there is there may be, but that's the thing that I'm the most familiar with. Q. And did you have training on this form? A. Did I have training? 	774	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? A. Yes. Q. Did you fill that out? A. Yesh, the rectangle is part of this form. Q. Can you explain to us what the drawing in the rectangle means? A. That would be the top view of the battery, in other words, an aerial. Q. And the five circles, what do those represent? A. That would be the charging ports on that particular oven. Q. Okay, so this is Battery C. There would be five charging ports? A. Yes. Q. And what does the X represent? A. That would be my position. 	776
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything else other than those three things? A. All I can say is if there's a leak in that area and it's not the door or the chuck door, then it would be an M. Q. In that area, would it be called A. The door area; the top of the battery to the bench; the left buckstay to the right buckstay of that particular oven door. Q. Okay. And there's nothing else that it's called other than the buckstays, the brickwork, and the lentils? A. Wall, if there is there may be, but that's the thing that I'm the most familiar with. Q. And did you have training on this form? A. Did I have training? Q. On this form and what these different things 	774	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? A. Yes. Q. Did you fill that out? A. Yesh, the rectangle is part of this form. Q. Can you explain to us what the drawing in the rectangle means? A. That would be the top view of the battery, in other words, an aerial. Q. And the five circles, what do those represent? A. That would be the charging ports on that particular oven. Q. Okay, so this is Battery C. There would be five charging ports? A. Yes. Q. And what does the X represent? A. That would be my position. Q. Okay. And do you record how far away from the 	776
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything else other than those three things? A. All I can say is if there's a leak in that area and it's not the door or the druck door, then it would be an M. Q. In that area, would it be called A. The door area; the top of the battery to the barch; the left buckstay to the right buckstay of that particular oven door. Q. Okay. And there's nothing else that it's called other than the buckstays, the brickwork, and the lentils? A. Wall, if there is there may be, but that's the thing that I'm the most familiar with. Q. And did you have training on this form? A. Did I have training? Q. On this form and what these different things mean? 	774	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? A. Yes. Q. Did you fill that out? A. Yesh, the rectangle is part of this form. Q. Can you explain to us what the drawing in the rectangle means? A. That would be the top view of the battery, in other words, an aerial. Q. And the five circles, what do those represent? A. That would be the charging ports on that particular oven. Q. Okay, so this is Battery C. There would be five charging ports? A. Yes. Q. And what does the X represent? A. That would be my position. Q. Okay. And do you record how far away from the charging ports you're standing? 	776
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 come through anywhere in that area, yes. Q. All right. Sir, I just want to make sure we have a clear answer as to what M represents on this form. Right now, my understanding is that M could represent one of three different things: the buckstays, the brickwork, and the lentil. Does M represent anything else other than those three things? A. All I can say is if there's a leak in that area and it's not the door or the chuck door, then it would be an M. Q. In that area, would it be called A. The door area; the top of the battery to the bacht; the left buckstay to the right buckstay of that particular oven door. Q. Okay. And there's nothing else that it's called other than the buckstays, the brickwork, and the lentils? A. Wall, if there is there may be, but that's the thing that I'm the most familiar with. Q. And did you have training on this form? A. Did I have training? Q. On this form and what these different things mean? A. Training, I don't know about training; but that's 	774	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Q. And the charging inspection form that we are looking at is a standard form that the Allegheny County Health Department uses, correct? A. Correct. Q. There is a column in the middle that looks like it has a drawing. Do you see the rectangle? A. Yes. Q. Did you fill that out? A. Yesh, the rectangle is part of this form. Q. Can you explain to us what the drawing in the rectangle means? A. That would be the top view of the battery, in other words, an aerial. Q. And the five circles, what do those represent? A. That would be the charging ports on that particular oven. Q. Okay, so this is Battery C. There would be five charging ports? A. Yes. Q. And what does the X represent? A. That would be my position. Q. Okay. And do you record how far away from the charging ports you're standing? A. No. 	776

		777		779
1	${\tt V}$ to the left side of the rectangle. What does that		1 Q. Yes.	
2	represent?		2 A. Five.	
3	A. That would just be a wind directional arrow.		3 Q. Okay. Do you always do five charging	
4	Q. Okay. And what does that tell us?		4 observations?	
5	A. For instance, in this one, the one in general		5 A. On C Battery, yes.	
6	would be coming from the north, more or less, and		6 Q. What about the other batteries?	
7	blowing south.		7 A. Same I do five charges, and same I do four	
8	${\sf Q}.$ Okay. And how do we position ourselves north and		8 charges.	
9	south on this drawing? How do we know which way is		9 Q. Okay. And which ones do you do four charges on?	
10	north and which way is south?	1	0 A. Battery 1, 2, 3, and 19.	
11	A. The push side would be toward the river and so	1	.1 Q. Okay. And all of the other batteries, you do	
12	the one direction would be south, and the other	1	2 five charge inspections?	
13	direction would be north going to the right as you are	1	.3 А. Yes.	
14	looking at the drawing.	1	4 Q. During the charging inspection, you read opacity?	
15	${\sf Q}.~$ And the form says to indicate sun position. Do	1	5 A. No.	
16	you see that?	1	.6 Q. Okay. What does the line on this sheet, that is	
17	A. Yes.	1	7 page 3 of Exhibit 69, that says max opacity mean?	
18	Q. Why is it that that sun position is indicated on	1	8 A. Well, I'm sorry, what I mean is we have - we do	
19	a charging inspection?	1	9 enter an opacity reading on these, but opacity is not a	
20	A. That is just - it says right at the top,	2	0 requirement to the charge.	
21	"Indicate sun position, observation position and wind	2	1 Q. Okay. Why is an opacity reading taken for	
22	direction on diagram."	2	2 charging?	
23	Q. Okay. And do you know why it is that you fill	2	3 A. That, I don't know.	
24	out all of those things on this form?	2	4 Q. Okay. Nobody ever explained that to you?	
25	A. It gives an indication of the conditions.	2	5 A. No.	
1	O. Okay. Is that a requirement of some sort?	778	1 O. When you do that opacity reading, are you using	780
1	Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out	778	 Q. When you do that opacity reading, are you using Method 9? 	780
1 2 3	Q. Okay. Is that a requirement of some sort?A. It's right on the form, and then you fill it out as it's indicated above.	778	1 Q. When you do that opacity reading, are you using 2 Method 9? 3 A. Yes.	780
1 2 3 4	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source 	778	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place 	780
1 2 3 4 5	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? 	778	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? 	780
1 2 3 4 5 6	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. 	778	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a 	780
1 2 3 4 5 6 7	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement comes 	778	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. 	780
1 2 3 4 5 6 7 8	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement comes from? 	778	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. Q. Okav. And what things are you looking for in a 	780
1 2 3 4 5 6 7 8 9	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement comes from? A. Well, I didn't create the form, so 	778	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. Q. Okay. And what things are you looking for in a charging inspection? 	780
1 2 3 4 5 6 7 8 9	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement comes from? A. Well, I didn't create the form, so Q. So you don't? 	778	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. Q. Okay. And what things are you looking for in a charging inspection? A. I'm looking for smoke emissions. 	780
1 2 3 4 5 6 7 8 9 10 11	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement comes from? A. Well, I didn't create the form, so Q. So you don't? A. I'm just filling it out as the form indicates. I 	778	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. Q. Okay. And what things are you looking for in a charging inspection? A. I'm looking for snoke emissions. Q. Okay. And from where, from what equipment? 	780
1 2 3 4 5 6 7 8 9 10 11 12	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement comes from? A. Well, I didn't create the form, so Q. So you don't? A. I'm just filling it out as the form indicates. I didn't creat the form. 	778	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. Q. Okay. And what things are you looking for in a charging inspection? A. I'm looking for smoke emissions. Q. Okay. And from where, from what equipment? A. In the anywhere from the charging port to 	780
1 2 3 4 5 6 7 8 9 10 11 12 13	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement comes from? A. Well, I didn't create the form, so Q. So you don't? A. I'm just filling it out as the form indicates. I didn't creat the form. Q. I understand you didn't create it. Do you know 	778	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. Q. Okay. And what things are you looking for in a charging inspection? A. I'm looking for snoke emissions. Q. Okay. And from where, from what equipment? A. In the anywhere from the charging port to 	780
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement comes from? A. Well, I didn't create the form, so Q. So you don't? A. I'm just filling it out as the form indicates. I didn't creat the form. Q. I understand you didn't create it. Do you know where the requirement comes from? 	778	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. Q. Okay. And what things are you looking for in a charging inspection? A. I'm looking for snoke emissions. Q. Okay. And from where, from what equipment? A. In the anywhere from the charging port to the anywhere from the larry car to the caps that are being you know, on the oven being charged or, in this 	780
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement comes from? A. Well, I didn't create the form, so Q. So you don't? A. I'm just filling it out as the form indicates. I didn't creat the form. Q. I understand you didn't create it. Do you know where the requirement comes from? A. Wheever created the form. 	778	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. Q. Okay. And what things are you looking for in a charging inspection? A. I'm looking for smoke emissions. Q. Okay. And from where, from what equipment? A. In the anywhere from the charging port to the anywhere from the larry car to the caps that are being you know, on the oven being charged or, in this 	780
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement comes from? A. Well, I didn't create the form, so Q. So you don't? A. I'm just filling it out as the form indicates. I didn't creat the form. Q. I understand you didn't create it. Do you know where the requirement comes from? A. Wheever created the form, I mean, I don't know where they pulled their information from to put that on 	778	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. Q. Okay. And what things are you looking for in a charging inspection? A. I'm looking for snoke emissions. Q. Okay. And from where, from what equipment? A. In the anywhere from the charging port to the anywhere from the larry car to the caps that are being you know, on the oven being charged or, in this case, the assist oven. 	780
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement comes from? A. Well, I didn't create the form, so Q. So you don't? A. I'm just filling it out as the form indicates. I didn't creat the form. Q. I understand you didn't create it. Do you know where the requirement comes from? A. Whoever created the form, I mean, I don't know where they pulled their information from to put that on there. 	778	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. Q. Okay. And what things are you looking for in a charging inspection? A. I'm looking for snoke emissions. Q. Okay. And from where, from what equipment? A. In the anywhere from the charging port to the anywhere from the larry car to the caps that are being you know, on the oven being charged or, in this case, the assist oven. Well, on C Battery, there would be an assist 	780
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement comes from? A. Well, I didn't create the form, so Q. So you don't? A. I'm just filling it out as the form indicates. I didn't creat the form? Q. I understand you didn't create it. Do you know where the requirement comes from? A. Whoever created the form, I mean, I don't know where they pulled their information from to put that on there. Q. Okay. Did anybody ever train you as to why 	778	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. Q. Okay. And what things are you looking for in a charging inspection? A. I'm looking for smoke emissions. Q. Okay. And from where, from what equipment? A. In the anywhere from the charging port to the anywhere from the charging port to the anywhere from the larry car to the caps that are being you know, on the oven being charged or, in this case, the assist oven. Well, on C Battery, there would be an assist oven, so you would watch the not only the oven being 	780
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement comes from? A. Well, I didn't create the form, so Q. So you don't? A. I'm just filling it out as the form indicates. I didn't creat the form? Q. I understand you didn't create it. Do you know where the requirement comes from? A. Wheever created the form, I mean, I don't know where they pulled their information from to put that on there. Q. Okay. Did anybody ever train you as to why that's there? 	778	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. Q. Okay. And what things are you looking for in a charging inspection? A. I'm looking for smoke emissions. Q. Okay. And from where, from what equipment? A. In the anywhere from the charging port to the anywhere from the larry car to the caps that are being you know, on the oven being charged or, in this case, the assist oven. Well, on C Battery, there would be an assist oven, so you would watch the not only the oven being charged, but you would also watch the lids on the assist 	780
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement comes from? A. Well, I didn't create the form, so Q. So you don't? A. I'm just filling it out as the form indicates. I didn't creat the form? Q. I understand you didn't create it. Do you know where the requirement comes from? A. Whoever created the form, I meen, I don't know where they pulled their information from to put that on there. Q. Okay. Did anybody ever train you as to why that's there? A. On this form? 	778 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. Q. Okay. And what things are you looking for in a charging inspection? A. I'm looking for snoke emissions. Q. Okay. And from where, from what equipment? A. In the anywhere from the charging port to the anywhere from the larry car to the caps that are being you know, on the oven being charged or, in this case, the assist oven. Well, on C Battery, there would be an assist oven, so you would watch the not only the oven being charged, but you would also watch the lids on the assist oven and also the caps, as well as that U tube. Q. And how is it that you know what all different 	780
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement comes from? A. Well, I dich't create the form, so Q. So you don't? A. I'm just filling it out as the form indicates. I dich't creat the form? Q. I understand you didn't create it. Do you know where the requirement comes from? A. Whoever created the form, I mean, I don't know where they pulled their information from to put that on there. Q. Okay. Did anybody ever train you as to why that's there? A. On this form? Q. Yeah. 	778 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. Q. Okay. And what things are you looking for in a charging inspection? A. I'm looking for smoke emissions. Q. Okay. And from where, from what equipment? A. In the anywhere from the charging port to the anywhere from the larry car to the caps that are being you know, on the oven being charged or, in this case, the assist oven. Well, on C Battery, there would be an assist oven, so you would watch the not only the oven being charged, but you would also watch the lids on the assist oven and also the caps, as well as that U tube. Q. And how is it that you know what all different equipment you should be observing during a charging 	780
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement corres from? A. Well, I didn't create the form, so Q. So you don't? A. I'm just filling it out as the form indicates. I didn't creat the form? Q. I understand you didn't create it. Do you know where the requirement comes from? A. Wheever created the form, I mean, I don't know where they pulled their information from to put that on there. Q. Okay. Did anybody ever train you as to why that's there? A. On this form? Q. Yeah. A. No. not as far as this form cose. 	778 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. Q. Okay. And what things are you looking for in a charging inspection? A. I'm looking for smoke emissions. Q. Okay. And from where, from what equipment? A. In the anywhere from the charging port to the anywhere from the larry car to the caps that are being you know, on the oven being charged or, in this case, the assist oven. Well, on C Battery, there would be an assist oven, so you would also watch the lids on the assist oven and also the caps, as well as that U tube. Q. And how is it that you know what all different equipment you should be observing during a charging inspection? 	780
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement comes from? A. Well, I didn't create the form, so Q. So you don't? A. I'm just filling it out as the form indicates. I didn't creat the form? Q. I understand you didn't create it. Do you know where the requirement comes from? A. Whoever created the form, I mean, I don't know where they pulled their information from to put that on there. Q. Okay. Did anybody ever train you as to why that's there? A. On this form? Q. Yeah. A. No, not as far as this form goes. Q. Okay. How many different charging observations 	778 1 1 1 1 1 1 1 1 1 1 1 1 1	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. Q. Okay. And what things are you looking for in a charging inspection? A. I'm looking for snoke emissions. Q. Okay. And from where, from what equipment? A. In the anywhere from the charging port to the anywhere from the larry car to the caps that are being you know, on the oven being charged or, in this case, the assist oven. Well, on C Battery, there would be an assist oven, so you would watch the not only the oven being charged, but you would also watch the lids on the assist oven and also the caps, as well as that U tube. Q. And how is it that you know what all different equipment you should be observing during a charging inspection? A. Just from the materials that we have as far as 	780
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement comes from? A. Well, I didn't create the form, so Q. So you don't? A. I'm just filling it out as the form indicates. I didn't creat the form? A. Whoever created the form, I mean, I don't know where the requirement comes from? A. Whoever created the form, I mean, I don't know where they pulled their information from to put that on there. Q. Okay. Did anybody ever train you as to why that's there? A. On this form? Q. Yeah. A. No, not as far as this form goes. Q. Okay. How many different charging observations did you do on January 4th. 2018? 	778 1 1 1 1 1 1 1 1 1 1 1 1 1	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. Q. Okay. And what things are you looking for in a charging inspection? A. I'm looking for snoke emissions. Q. Okay. And from where, from what equipment? A. In the anywhere from the charging port to the anywhere from the larry car to the caps that are being you know, on the oven being charged or, in this case, the assist oven. Well, on C Battery, there would be an assist oven and also the caps, as well as that U tube. Q. And how is it that you know what all different equipment you should be observing during a charging inspection? A. Just from the meterials that we have as far as like as far as materials, the written materials that 	780
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 Q. Okay. Is that a requirement of some sort? A. It's right on the form, and then you fill it out as it's indicated above. Q. Okay. And is that requirement from the source testing manual? A. It's a requirement on this form that we use. Q. Right. Do you know where that requirement cornes from? A. Well, I didn't create the form, so Q. So you don't? A. I'm just filling it out as the form indicates. I didn't creat the form? A. Wheever created the form, I mean, I don't know where the requirement cornes from? A. Wheever created the form, it mean, it don't know where they pulled their information from to put that on there. Q. Okay. Did anybody ever train you as to why that's there? A. On this form? Q. Yeah. A. No, not as far as this form goes. Q. Okay. How many different charging observations did you do on January 4th, 2018? 	778 1 1 1 1 1 1 1 1 1 1 1 1 1	 Q. When you do that opacity reading, are you using Method 9? A. Yes. Q. The charging process, is there a particular place you have to stand to do an observation? A. It is not specified other than if you can get a clear view. Q. Okay. And what things are you looking for in a charging inspection? A. I'm looking for snoke emissions. Q. Okay. And from where, from what equipment? A. In the anywhere from the charging port to the anywhere from the larry car to the caps that are being you know, on the oven being charged or, in this case, the assist oven. Well, on C Battery, there would be an assist oven, so you would watch the not only the oven being charged, but you would also watch the lids on the assist oven and also the caps, as well as that U tube. Q. And how is it that you know what all different equipment you should be observing during a charging inspection? A. Just from the materials that we have as far as like as far as materials, the written materials that 	780

		781			783
1	Q. What are those?		1	0:00. That would be your first reading line there. And	
2	A. I think that would be that was the let me		2	then every 15 seconds after that, you would enter any	
3	think. Well, for charging in general, we use the source		3	other readings there.	
4	testing manual.		4	But on this one, there was no event until 9:10,	
5	${\sf Q}.$ Okay. And does that tell you in the source		5	which you can see to the left there. So at 9:10, an	
6	testing manual what equipment you are supposed to		6	event occurred on $\theta/23$, standpipes on the pusher and the	
7	observe for a charging observation?		7	coke side.	
8	A. Well, it does in general. But on C is a newer		8	$\mathbf{Q}.$ And for the opacity readings that you do for	
9	battery and so it's done a little bit differently.		9	soaking, you are using Method 9?	
10	Q. All right. I want to back up, sir. I want to		10	A. Yes, uh-huh (affirmative.)	
11	understand where it's written down, the written material		11	Q. Okay. And when you do those Method 9	
12	that you just described, that tells you what equipment		12	observations, how long do they take?	
13	you are supposed to look for for a proper charging		13	A. How long do they take?	
14	inspection?		14	Q. Yeah.	
15	A. I don't recall where I read that.		15	A. For each observation?	
16	${\bf Q}.$ Okay. And are you 100 percent sure that such a		16	Q. Yeah.	
17	document exists?		17	A. It's just a momentary look at it.	
18	A. Yes.		18	${\sf Q}.$ Okay. And on Oven A23 at the time 00, does this	
19	${\sf Q}.$ Okay. What does it say if you can't remember		19	form say that you read a zero opacity?	
20	what it is?		20	A. That'd be connect, yes.	
21	A. From the charging ports, the larry car, the		21	Q_{\star} Okay. And after you read a zero opacity, is	
22	hoppers, the standpipe caps, the lids on the adjacent		22	there a reason why you didn't end your observation?	
23	oven.		23	A. Yes.	
24	Q. And with C Battery, you mentioned a U tube?		24	Q. Why is that?	
25	A. Yes.		25	A. Because I don't end my observation 'til the oven	
		782			784
1	Q. What is that?		1	is until the scaking is over.	
2	A. It's a pipe that connects the oven that's being		2	Q. Okay. And how long is that?	
3	charged with an adjacent oven.		3	A. It's whenever the oven is pushed.	
4	Q. Okay. And why is it that you inspect that for a		4	Q. Is there a standard time that you wait for doing	
5	charging inspection?		5	a soaking observation?	
6	A. It is being - the assist oven is being used to		6	A. No, it's whenever the oven is pushed.	
7	increase the draw on that battery so as to handle any		7	Q. Okay. And once that happens, do you stop doing	
8	smoke that may be coming from it. So it's part of that		8	soaking observations?	
9	charge.		9	A. Yes.	
10	Q. I want to ask you a little bit about a soaking		10	Q. At the top of the form, it says "Sun position."	
11	observation. Can you look at Exhibit 64, page 17? Are		11	Do you see that?	
12	you there, sir?		12	A. Yes.	
13	A. Yes, yes.		13	Q. Do you record that?	
14	Q. Is this a soaking emissions observation form that		14	A. Yes,	
15	you filled out?		15	Q. How?	
16	A. Yes, yes, it is.		16	A. For instance, if you look at the block to the	
17	Q. And this would be from March 15th, 2018?		17	right of that, the rectangular block — again, this	

21

22

23

24

25

side down below.

Q. Okay.

the sun, representing the sun.

- A. Yes.
 Q. When you do a soak
- 19 \$Q\$. When you do a soaking emissions observation, can 20 you tell me how that works?
- 21 A. It well, you would fill in like the either
- 22 the cap opening time or when the standpipe was first 23 observed.
- 24 And then after two minutes, you would start your
- 25 readings, which would be entered in the line that says

A. So that would be the relationship to the battery.

a line that goes to - a diagram that's used for, like,

And if you look aff to the right corner, there's

18 would be like an aerial view of the battery, and you

19 would have the pusher side up at the top and the coke

1	785	5	A During one transmo. I downed standards and	78
	observation? Is that recorded on the form?	2	the mass of lide which would be the one and the mass	
3	A. That's not recorded on the form no	3	O. Okav.	
4	Q. Okay. And you're not recording the distance	4	A. And on the second traverse, I would observe lids	
5	you're standing away from any plume during an	5	3, 4, and 5.	
6	observation on this form?	6	Q. Okay. So when you do one traverse, you'll	
7	A. No, no.	7	observe both the offtakes and half of the lids on a	
8	O. You're not recording wind speed?	8	battery?	
9	A. I'm not.	9	A. Well, I wouldn't say half because it would be 40	
10	0. You're not recording a description of the sky	10	percent.	
11	condition?	11	O, Okay. And so you'll do on one traverse,	
12	A. Well, I'm no, I'm recording sun and I'm	12	you'll do the offtakes and certain lids on the battery?	
13	recording wind.	13	A. Two rows, and then on the second traverse, three	
14	Q. Okay.	14	rows of lids.	
15	A. First two, it was calm: and then in the 8:27	15	O . Okay. Is it fair to say you don't do a lid a	
16	reading, there was a wind with the arrow indicating	16	complete lid inspection for a battery in one single	
17	that.	17	traverse?	
18	O. And you don't record what's in the background	18	A. That's correct.	
19	behind any given plume that you're reading?	19	O. Why is it that you do it that way?	
20	A. I don't record that. I just use a contrasting	20	A. That's the that's the procedure that I was	
21	beckaround.	21	taucht.	
22	0. Do you know why it is that you record the sun	22	O. By who?	
23	position on this form?	23	A. By my trainers.	
24	A. No. That's how I was trained.	24	Q. Okay. And do you know if that procedure is	
25	O. Okay. You're not sure why it is a requirement on	25	written down anywhere?	
	786			788
1	this form?	1	A. That would be in the source testing manual.	
2	A. Yeah, I don't — I was trained on that and that's	2	${\sf Q}.$ Okay. And the source testing manual would tell	
3	how I do it.	3	you that it's okay to do an offtake inspection and	
4	${\sf Q}.$ Okay. And you're not sure where that requirement	4	certain lid inspections at the same time?	
5	cames from?	5	A. Yes, you can do that.	
6	A. No.	6	${\sf Q}.$ Okay. What is it that you're recording for your	
7	${\sf Q}.$ Okay. Do you know why it is you'd record a wind	7	lid inspection?	
8	direction on this form?	8	A. On this particular one? That's the - that would	
9	A. That's just how I was trained to do it.	9	indicate that those lids have been removed because that	
10	${\sf Q}.$ Okay. You're not sure where that wind direction	10	is a those are decarbonizing ovens.	
11	requirement came from?	11	${\sf Q}.$ Okay. At the bottom of this form, there's a box	
12	A. No.	12	that says 0, 1, 2, 3, 4 and clear, ignited, black, gray,	
13	${\bf Q}. \ \ \mbox{There's a large exhibit in front of you that is a }$	13	brown. Do you see that?	
14	stack of papers that's ACHD 25, and I would like you to	14	A. Right.	
15	find the document that's Bates labeled ACHD009430.	15	Q. What's the purpose of this box?	
16	A. What is that, 9430?	16	A. Those are descriptors for the - when you are	
17	$Q.\ \mbox{That's correct, sir.}$ Do you have that form?	17	doing your inspection and you come across the ovens that	
18	A. Yes.	18	are decarbonizing and the capsule will be open and there	
19	${\sf Q}.~$ Is this a topside inspection form that you filled	19	will either be a flame or not; and if there is smoke,	
20	out?	20	then the descriptors are black, gray, and brown.	
21	A. Yes.	21	${\bf Q}.~$ So those numbers and those descriptors are only	
22	Q. Okay. What's included in a topside inspection?	22	for decarbonizing ovens?	
23	A. It would be the standpipes and the lids.	23	A. Yes.	
24	${\sf Q}.$ Okay. And do you observe the standpipes and the	24	${\bf Q}.$ All right. So the only time you would use those	
25	lids during the same traverse?	25	is if you also identified a "D" on this form for	

1 1	decarbonizing?	1 1	anywhere in the source testing manual that requires this	79.
2	A. Yes.	2	type of one-hour inspection?	
3	Q. Do you know the purpose of recording that	3	A. No. I do not.	
4	information?	4	Q. There's a drawing on this document. Do you see	
5	A. I do not, other than my department was looking	5	that?	
6	for that information. But other than that, I don't	6	A. Yes.	
7	know.	7	O. Did you do that drawing?	
8	Q. Okay. And on the top of this form, you indicate	8	A, Yes.	
9	sun position, observation, traverse and wind direction.	9	O. Do you understand the purpose of this drawing?	
10	Do you see that?	10	A. It just gives the general layout of the emission	
11	A. Yep.	11	point and the observer's position.	
12	Q. Do you know the purpose of recording that	12	Q. And do you know why it says "140 degrees" on this	
13	information?	13	drawing?	
14	A. Yes, it's asked for on this form.	14	A, Oh, ves.	
15	Q. Okay. And other than that, you're not sure?	15	Q. Why is that?	
16	A. I do the form according to what it's asking for.	16	A. It's the requirement of Method 9 to have the sun	
17	Q. Right. And you're not sure where that	17	at your back within that 140-degree angle.	
18	requirement came from?	18	O. Okav. And did you make sure that you did that	
19	A. I didn't make the form, so you'd have to ask	19	with respect to this inspection?	
20	whoever made the form.	20	A. Well, being that there was no sun, it was	
21	Q. Okay. In that same exhibit, there is a document	21	actually not necessary.	
22	Bates labeled ACHD1170. Can you find that document,	22	Q. Okay.	
23	please?	23	MR. DAUSCH: Thank you, sir. That's all I have.	
24	A. Okay.	24	MR, DOWNARD: Okay.	
25	Q. Are you on document ACHD1170?	25	CROSS-EXAMINATION	
	79	90		792
1	A. Yes.	1	BY MR. WILLIS:	
2	Q. And this is a document you filled out?	2	Q. Gary?	
3	A. Yes.	3	A. Ch, yes.	
3 4	A. Yes.Q. What is this document?	3 4	A. Ch, yes.Q. How are you doing? Are you okay?	
3 4 5	 A. Yes. Q. What is this document? A. It is a — actually related to a PEC test that 	3 4 5	A. Ch, yes.Q. How are you doing? Are you okay?A. I'm okay.	
3 4 5 6	 A. Yes. Q. What is this document? A. It is a — actually related to a PEC test that was occurring on C Battery, and it was an observation of 	3 4 5 6	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little 	
3 4 5 6 7	 A. Yes. Q. What is this document? A. It is a — actually related to a PEC test that was occurring on C Battery, and it was an observation of the bag house for a one-hour period. 	3 4 5 6 7	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little drowsy there. Are you all right to go on? 	
3 4 5 6 7 8	 A. Yes. Q. What is this document? A. It is a — actually related to a PEC test that was occurring on C Battery, and it was an observation of the bag house for a one-hour period. Q. What was the purpose of doing this observation? 	3 4 5 6 7 8	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little drowsy there. Are you all right to go on? A. It's a long day, but I'm good. 	
3 4 5 6 7 8 9	 A. Yes. Q. What is this document? A. It is a — actually related to a PEC test that was occurring on C Battery, and it was an observation of the bag house for a one-hour period. Q. What was the purpose of doing this observation? A. Just to observe if there were any snoke emissions 	3 4 5 6 7 8 9	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little drowsy there. Are you all right to go on? A. It's a long day, but I'm good. HEARING OFFICER SLATER: Mr. Willis, you may 	
3 4 5 7 8 9 10	 A. Yes. Q. What is this document? A. It is a — actually related to a PEC test that was occurring on C Battery, and it was an observation of the bag house for a one-hour period. Q. What was the purpose of doing this observation? A. Just to observe if there were any snoke emissions from the bag house. 	3 4 5 6 7 8 9 10	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little drowsy there. Are you all right to go on? A. It's a long day, but I'm good. HEARING OFFICER SLATER: Mr. Willis, you may proceed. 	
3 4 5 7 8 9 10 11	 A. Yes. Q. What is this document? A. It is a - actually related to a PEC test that was occurring on C Battery, and it was an observation of the bag house for a one-hour period. Q. What was the purpose of doing this observation? A. Just to observe if there were any snoke emissions from the bag house. Q. And were you using any particular method for this 	3 4 5 6 7 8 9 10 11	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little drowsy there. Are you all right to go on? A. It's a long day, but I'm good. HEARING OFFICER SLATER: Mr. Willis, you may proceed. MR. WILLIS: Okay, thank you. 	
3 4 5 6 7 8 9 10 11 12	 A. Yes. Q. What is this document? A. It is a - actually related to a PEC test that was occurring on C Battery, and it was an observation of the bag house for a one-hour period. Q. What was the purpose of doing this observation? A. Just to observe if there were any snoke emissions from the bag house. Q. And were you using any particular method for this observation? 	3 4 5 6 7 8 9 10 11 12	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little drowsy there. Are you all right to go on? A. It's a long day, but I'm good. HEARING OFFICER SLATER: Mr. Willis, you may proceed. MR. WILLIS: Okay, thank you. BY MR. WILLIS: 	
3 4 5 7 8 9 10 11 12 13	 A. Yes. Q. What is this document? A. It is a - actually related to a PEC test that was occurring on C Battery, and it was an observation of the bag house for a one-hour period. Q. What was the purpose of doing this observation? A. Just to observe if there were any snoke emissions from the bag house. Q. And were you using any particular method for this observation? A. Method 9. 	3 4 5 6 7 8 9 10 11 12 13	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little drowsy there. Are you all right to go on? A. It's a long day, but I'm good. HEARING OFFICER SLATER: Mr. Willis, you may proceed. MR. WILLIS: Okay, thank you. BY MR. WILLIS: Q. Gary, how long have you been working at Clairton 	
3 4 5 6 7 8 9 10 11 12 13 14	 A. Yes. Q. What is this document? A. It is a - actually related to a PEC test that was occurring on C Battery, and it was an observation of the bag house for a one-hour period. Q. What was the purpose of doing this observation? A. Just to observe if there were any snoke emissions from the bag house. Q. And were you using any particular method for this observation? A. Method 9. Q. And why was it that you did a one-hour reading? 	3 4 5 6 7 8 9 10 11 12 13 14	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little drowsy there. Are you all right to go on? A. It's a long day, but I'm good. HEARING OFFICER SLATER: Mr. Willis, you may proceed. MR. WILLIS: Okay, thank you. BY MR. WILLIS: Q. Gary, how long have you been working at Clairton Works doing observations? 	
3 4 5 6 7 8 9 10 11 12 13 14 15	 A. Yes. Q. What is this document? A. It is a - actually related to a PEC test that was occurring on C Battery, and it was an observation of the bag house for a one-hour period. Q. What was the purpose of doing this observation? A. Just to observe if there were any snoke emissions from the bag house. Q. And were you using any particular method for this observation? A. Method 9. Q. And why was it that you did a one-hour reading? A. That's just a representative sample. 	3 4 5 6 7 8 9 10 11 12 13 14 15	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little drowsy there. Are you all right to go on? A. It's a long day, but I'm good. HEARING OFFICER SLATER: Mr. Willis, you may proceed. MR. WILLIS: Okay, thank you. BY MR. WILLIS: Q. Gary, how long have you been working at Clairton Works doing observations? A. Doing observations, approximately five years. 	
3 4 5 6 7 8 9 10 11 12 13 14 15 16	 A. Yes. Q. What is this document? A. It is a - actually related to a PEC test that was occurring on C Battery, and it was an observation of the bag house for a one-hour period. Q. What was the purpose of doing this observation? A. Just to observe if there were any snoke emissions from the bag house. Q. And were you using any particular method for this observation? A. Method 9. Q. And why was it that you did a one-hour reading? A. That's just a representative sample. Q. Do you know where that hour requirement came 	3 4 5 6 7 8 9 10 11 12 13 14 15 16	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little drowsy there. Are you all right to go on? A. It's a long day, but I'm good. HEARING OFFICER SLATER: Mr. Willis, you may proceed. MR. WILLIS: Okay, thank you. BY MR. WILLIS: Q. Gary, how long have you been working at Clairton Works doing observations? A. Doing observations, approximately five years. Q. And in those five years, have you received a 	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 A. Yes. Q. What is this document? A. It is a - actually related to a PEC test that was occurring on C Battery, and it was an observation of the bag house for a one-hour period. Q. What was the purpose of doing this observation? A. Just to observe if there were any snoke emissions from the bag house. Q. And were you using any particular method for this observation? A. Method 9. Q. And why was it that you did a one-hour reading? A. That's just a representative sample. Q. Do you know where that hour requirement came from? 	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little drowsy there. Are you all right to go on? A. It's a long day, but I'm good. HEARING OFFICER SLATER: Mr. Willis, you may proceed. MR. WILLIS: Okay, thank you. BY MR. WILLIS: Q. Gary, how long have you been working at Clairton Works doing observations? A. Doing observations, approximately five years. Q. And in those five years, have you received a complaint about any of your observations? Has anybody 	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. Yes. Q. What is this document? A. It is a - actually related to a PEC test that was occurring on C Battery, and it was an observation of the bag house for a one-hour period. Q. What was the purpose of doing this observation? A. Just to observe if there were any snoke emissions from the bag house. Q. And were you using any particular method for this observation? A. Method 9. Q. And why was it that you did a one-hour reading? A. That's just a representative sample. Q. bo you know where that hour requirement came from? A. It was generally - it's - one of our 	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little drowsy there. Are you all right to go on? A. It's a long day, but I'm good. HEARING OFFICER SLATER: Mr. Willis, you may proceed. MR. WILLIS: Okay, thank you. BY MR. WILLIS: Q. Gary, how long have you been working at Clairton Works doing observations? A. Doing observations, approximately five years. Q. And in those five years, have you received a complaint about any of your observations? Has anybody from Veolia, in terms of your escort, complained about 	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. Yes. Q. What is this document? A. It is a - actually related to a PEC test that was occurring on C Battery, and it was an observation of the bag house for a one-hour period. Q. What was the purpose of doing this observation? A. Just to observe if there were any snoke emissions from the bag house. Q. And were you using any particular method for this observation? A. Method 9. Q. And why was it that you did a one-hour reading? A. That's just a representative sample. Q. Do you know where that hour requirement came from? A. It was generally - it's - one of our enforcement engineers likes us to get this information. 	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little drowsy there. Are you all right to go on? A. It's a long day, but I'm good. HEARING OFFICER SLATER: Mr. Willis, you may proceed. MR. WILLIS: Okay, thank you. BY MR. WILLIS: Q. Gary, how long have you been working at Clairton Works doing observations? A. Doing observations, approximately five years. Q. And in those five years, have you received a complaint about any of your observations? Has anybody from Veolia, in terms of your escort, complained about the observations you were making? 	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 A. Yes. Q. What is this document? A. It is a - actually related to a FEC test that was occurring on C Battery, and it was an observation of the bag house for a one-hour period. Q. What was the purpose of doing this observation? A. Just to observe if there were any snoke emissions from the bag house. Q. And were you using any particular method for this observation? A. Method 9. Q. And why was it that you did a one-hour reading? A. That's just a representative sample. Q. Do you know where that hour requirement came from? A. It was generally - it's - one of our enforcement engineers likes us to get this information when they are running a test. 	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little drowsy there. Are you all right to go on? A. It's a long day, but I'm good. HEARING OFFICER SLATER: Mr. Willis, you may proceed. MR. WILLIS: Okay, thank you. BY MR. WILLIS: Q. Gary, how long have you been working at Clairton Works doing observations? A. Doing observations, approximately five years. Q. And in those five years, have you received a complaint about any of your observations? Has anybody from Veolia, in terms of your escort, complained about the observations you were making? A. Complained about the observations I was making? 	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 A. Yes. Q. What is this document? A. It is a - actually related to a PEC test that was occurring on C Battery, and it was an observation of the bag house for a one-hour period. Q. What was the purpose of doing this observation? A. Just to observe if there were any anoke emissions from the bag house. Q. And were you using any particular method for this observation? A. Method 9. Q. And why was it that you did a one-hour reading? A. That's just a representative sample. Q. Do you know where that hour requirement came from? A. It was generally - it's - one of our enforcement engineers likes us to get this information when they are running a test. Q. Okay. And so one of your enforcement engineers 	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little drowsy there. Are you all right to go on? A. It's a long day, but I'm good. HEARING OFFICER SLATER: Mr. Willis, you may proceed. MR. WILLIS: Okay, thank you. BY MR. WILLIS: Q. Gary, how long have you been working at Clairton Works doing observations? A. Doing observations, approximately five years. Q. And in those five years, have you received a complaint about any of your observations? Has anybody from Veolia, in terms of your escort, complained about the observations you were making? Q. Yeah. Did anybody say, "Hey, Gary, you are doing 	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 A. Yes. Q. What is this document? A. It is a - actually related to a PEC test that was occurring on C Battery, and it was an observation of the bag house for a one-hour period. Q. What was the purpose of doing this observation? A. Just to observe if there were any snoke emissions from the bag house. Q. And were you using any particular method for this observation? A. Method 9. Q. And why was it that you did a one-hour reading? A. That's just a representative sample. Q. Do you know where that hour requirement came from? A. It was generally - it's - one of our enforcement engineers likes us to get this information when they are running a test. Q. Okay. And so one of your enforcement engineers told you to do an inspection for an hour? 	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little drowsy there. Are you all right to go on? A. It's a long day, but I'm good. HEARING OFFICER SLATER: Mr. Willis, you may proceed. MR. WILLIS: Okay, thank you. BY MR. WILLIS: Q. Gary, how long have you been working at Clairton Works doing observations? A. Doing observations, approximately five years. Q. And in those five years, have you received a complaint about any of your observations? Has anybody from Veolia, in terms of your escort, complained about the observations you were making? Q. Yeah. Did anybody say, "Hey, Gary, you are doing your observation wrong"? 	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 A. Yes. Q. What is this document? A. It is a - actually related to a FEC test that was occurring on C Battery, and it was an observation of the bag house for a one-hour period. Q. What was the purpose of doing this observation? A. Just to observe if there were any snoke emissions from the bag house. Q. And were you using any particular method for this observation? A. Method 9. Q. And why was it that you did a one-hour reading? A. That's just a representative sample. Q. Do you know where that hour requirement came from? A. It was generally - it's - one of our enforcement engineers likes us to get this information when they are running a test. Q. Okay. And so one of your enforcement engineers told you to do an inspection for an hour? A. It was a - yeah, it was a request with these 	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little drowsy there. Are you all right to go on? A. It's a long day, but I'm good. HEARING OFFICER SLATER: Mr. Willis, you may proceed. MR. WILLIS: Okay, thank you. BY MR. WILLIS: Q. Gary, how long have you been working at Clairton Works doing observations? A. Doing observations, approximately five years. Q. And in those five years, have you received a complaint about any of your observations? Has anybody from Veolia, in terms of your escort, complained about the observations you were making? Q. Yeah. Did anybody say, "Hey, Gary, you are doing your observation wrong"? 	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 A. Yes. Q. What is this document? A. It is a - actually related to a PEC test that was occurring on C Battery, and it was an observation of the bag house for a one-hour period. Q. What was the purpose of doing this observation? A. Just to observe if there were any anoke emissions from the bag house. Q. And were you using any particular method for this observation? A. Method 9. Q. And why was it that you did a one-hour reading? A. Method 9. Q. And why was it that you did a one-hour reading? A. That's just a representative sample. Q. Do you know where that hour requirement came from? A. It was generally - it's - one of our enforcement engineers likes us to get this information when they are running a test. Q. Okay. And so one of your enforcement engineers told you to do an inspection for an hour? A. It was a - yeeh, it was a request with these sort of things, and we will get the information. 	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	 A. Ch, yes. Q. How are you doing? Are you okay? A. I'm okay. Q. Okay. It looks like you were getting a little drowsy there. Are you all right to go on? A. It's a long day, but I'm good. HEARING OFFICER SLATER: Mr. Willis, you may proceed. MR. WILLIS: Okay, thank you. BY MR. WILLIS: Q. Gary, how long have you been working at Clairton Works doing observations? A. Doing observations, approximately five years. Q. And in those five years, have you received a complaint about any of your observations? Has anybody from Veolia, in terms of your escort, complained about the observations you were making? A. Conplained about the observations I was making? Q. Yeah. Did anybody say, "Hey, Gary, you are doing your observation wrong"? A. Once someone questioned, you know, what I was looking at. That person evidently thought I was from the proceeding the person of the observation. 	

		793		795
1	somewhere else but, you know, I wasn't.		face of a coke oven between the bench and the top of the	
2	${\sf Q}.~$ But they weren't looking at your actual sheet and		battery and between two adjacent buckstays, including	
3	saying that that information is wrong?	1	but not limited to, the door, chuck door, door seal,	
4	A. No.		janb and refractory."	
5	Q. You work there approximately 52 weeks a year?	1	Q. Is that your understanding of what the door area	
6	A. Except for vacation time, yes.	6	5 is?	
7	${\sf Q}$. Okay. With the exception of the vacation time,		A. Yes, anything within that area.	
8	have you presented the inspections that you make to your	8	Q. And this is caming from Article 21?	
9	escort at the end of a shift?	S	A. Yes.	
10	A. Yes.	10	Q. You also indicated that you do inspections for	
11	Q. You do that at the end of every shift?	11	leaks; is that correct?	
12	A. Ido.	12	A. Yes.	
13	Q. Have you gotten any feedback regarding any of	13	Q. Around the doors?	
14	those inspections?	14	A. Yes.	
15	A. Reechack?	15	Q. Of a battery?	
16	Q. Well, has anybody said	16	A. Yes.	
17	A. You mean like a critique, or	17	Q. Of each of the ovens?	
18	Q. Yes.	18	A. Uh-huh (affirmative.)	
19	A. No feedback other than if maybe there was	19	Q. Are you doing inspections for door leaks around	
20	like, for instance, if I had put, like, the wrong date	20	each of the ovens?	
21	on something, like that, and I didn't catch it and	21	A. Yes.	
22	somebody would get it back to me, I would make that	22	Q. But you do not use Method 303?	
2.3	correction.	23	A. No.	
24	But other than that, there's occasions when,	24	Q. How do you know that there was a door leak if you	
25	True, I would do a door Inspection and I would get some	20	are not using metrica sus:	
	man and the second s	794		796
1	high-opacity door readings and then I would get the	1	A. By observing emissions and smoke.	
2	charge time from my escort. And the next morning, a	2	Q. So you're seeing something carning out of the	
3	copy of my inspection would be on the desk with	3	door?	
4	different charge times.	4	A. At the door area, yes.	
5	Q. What do you mean "different charge times"?	5	Q. And you noted that is a leak?	
6	A. Revised charge times.	6	A. Yes.	
/	Q. You changed the charge times?		Q. You don't need to follow a method to figure out	
8	A. Ididn't, no, no. The person at Veolia would	8	that that's a leak?	
9	come up with different charge times. A person in	9	A. Connect.	
11	charge, I should say, a person in charge.	10	Q. The source testing manual, to your understanding,	
11	Q. Inat's fine. You said you've reviewed Article 21		A This set is set in the set of the line is the	
12	In the past with respect to now you do your inspections.	12	A. It is not, to my understanding.	
1.0	Have you well, let me just ask you, have you reviewed	13	Q. Have you ever seen emissions on Battery B on the	
14	A ver	14	coke side exit the top of the shed?	
16	A. Les.	10		
17	Q. I'm going to hand you a copy of Article 21.	17	Q. Frequently?	
10	(cic) definitions - Child you wood the definition thew?	10	\neg , by the top of the -1 have seen emissions from the abod while being on the of the bettern if the better	
10	HEADING OFFICER STATED, 2101 202	10	use sizes while being on top or the battery, it that's	
19	MENTING OFFICER SLATER: 2101.20?	19	Marke you are askring ner	
20	MK, WILLID: .IU.	20	A Vec	
22	NEWILLS, Vec	21	A les.	
22	MK. WILLIG.	22	4. And in terms of the location of those emissions,	
23	DI MD, WILLIG	23	IS IL COMUND ITOM THE TOP OF THE SHEA OF THE SIDES OF	
24	O This definition wight have place	24	the sheet?	
24	Q. This definition right here, please.	24	the shed?	

		797			799
1	emissions come from what would be considered the side of		1	$Q.\ $ But is it safe to is it fair to say that you	
2.	the shed.		2 1	must nonetheless do a complete set of inspections? You	
3	Q_{*} Okay. Have you seen access doors on the top of		3	have to do soaking. You have to do a soaking	
4	the shed?		4	inspection?	
5	A. Yes, I have.		5	A. Generally, when you do a full inspection, you	
6	Q. Have you ever seen the doors open at the top of		6	would do all of the inspections on the forms that we	
7	the shed?		7 1	nave.	
8	A. On occasion, yes.		8	$Q.\;$ So you do one of each of the inspection types?	
9	${\sf Q}.$ Have you ever seen emissions come out of the open		9	A. Yes.	
10	doors?	1	0	${\sf Q}.$ Okay. But it's up to you to determine which one	
11	A. Yes, I have.	1	1 d	of those types you do on which battery?	
12	Q.~ I want to draw your attention back to Exhibit 22,	1:	2	A. Yes.	
13	Chapter 109, and in particular, if you look to I'm	1	3	${\sf Q}.$ Okay. Let's say you are on Battery 1 and you see	
14	sorry, go ahead and find that.	1.	4 á	a high-opacity emission coming from further down on a	
15	Again, this is three-quarters of the way back.	1.	5 s	separate battery. Would you have discretion to go and	
16	It's going to say "Chapter 109, coke oven inspection	1	б і	investigate that emission?	
17	procedure."	1	7	A. Yes.	
18	A. Yes.	18	8	Q. And would you do an opacity reading or a leak	
19	Q. I want to direct your attention to the formula	19	9 r	reading based on that emission?	
20	that's under C doors at the end of that.	20	0	A. If I had the opportunity to, I could, yes, un-huh	
21	A. Okay.	2:	1 (affirmative.)	
22	Q. Do you use that formula?	22	2	Q. If you had the if you were set to a schedule	
23	A. I don't. I don't use that formula as far as my	23	3а	nd couldn't deviate from that schedule, would you be	
24	inspection sheet.	24	4 a	ble to make use of would you be able to do an	
25	Q. Okay. Look at Section B there. There's another	25	5 i	nspection on another battery if you saw an emission	
1 2	formula. Do you use that formula in your inspections? A. Not on my inspection sheet, no.	1	1 e 2	A. Yes.	
3	Q. Look at the Section E, next page, top. There's a		1	Q. four would be able to:	
5	A No pot on my incording short	5	1	O Okay At any time during your inspection period	
6	O Te it fair to say you are just looking for looke	6	5 7	t Clairton Coke Works, have you ever had an escort that	
7	and opacity?		ја 7 ш	es an employee of U.S. Steel?	
8	A matural to fair to ear ups	6	,	A ve	
g	0 And with the high-operity door leaks are you		3	O Do you know when that occurred?	
10	checking for opacity?	10))	A 2013 magnibly 2014	
11	A. Yeah	11	ĺ	0. Has it happened recently?	
12	 Are you using Method 9 for that? 	12	>	A. No	
13	A. Yes	13	3	Q. In the past year?	
14	Ω . Okay So there are some occasions where you use	14	1	A. No.	
15	Method 9 for opacity and sometimes you are just looking	15	5	Q. In the past two years?	
16	for leaks?	16	5	A. Not that I can recall, no.	
17	A. That is correct, yes.	17	,	O. So all of your communication is with the escort	
18	Q. With respect to your ability to use your	18	tw 8	no would be an employee of Veolia?	
19	discretion to pick a battery or pick a location to do	19)	A. Yes.	
20	your inspection, is there any requirements. even within	20)	Q. With respect to your understanding between the	
21	that discretion, as to what you are supposed to do	21	, d	ifferences between Article 21 and the source testing	
22	let me break this down.	22	m	anual, which do you let me formulate the question.	
23	You can look at any battery that you want; is	23	3	If there's a conflict between the provisions of	
24	that correct?	24	tł	ne source testing manual and Article 21, which do you	
25	A. That's correct, yes.	25	de	efer to?	
	*** R.X				

1	A. Article 21.
2	Q. Why is that?
3	A. Because it's a regulation and the source testing
5	
5	UEAPTNG OFFICER SLATER, Mr. Dausch?
7	MP DAUGON, No other questions for this witness.
9	HEADING OFFICER SLATER. All right, sir, you may
a	stan down
10	I think that is a good place to conclude for
11	today. We will continue with Mr. Dausch's next witness
12	tomorrow.
13	
14	(The hearing recessed at 4:14 p.m.)
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
1 2 3	802 <u>CERTIFICATE OF REPORTER</u> COMMONWEALTH OF PENNSYLVANIA : : COUNTY OF ALLEGHENY :
1 2 3 4 5 6 7 8 9	802 <u>CERTIFICATE OF REPORTER</u> COMMONWEALTH OF PENNSYLVANIA : : COUNTY OF ALLEGHENY : I, Heidi R. Hawk, a Notary Public duly commissioned and qualified in and for the said Commonwealth and County, do hereby certify that pursuant to the notice, the within named persons were sworn by me to testify to the truth and nothing but the truth; that the testimony was reduced to writing under my supervision; that this transcript is a true record of the testimony given by the witnesses.
1 2 3 4 5 6 7 8 9	802 <u>CERTIFICATE OF REPORTER</u> COMMONWEALTH OF PENNSYLVANIA : : COUNTY OF ALLEGHENY : I, Heidi R. Hawk, a Notary Public duly commissioned and qualified in and for the said Commonwealth and County, do hereby certify that pursuant to the notice, the within named persons were sworn by me to testify to the truth and nothing but the truth; that the testimony was reduced to writing under my supervision; that this transcript is a true record of the testimony given by the witnesses. I further certify that I am neither attorney nor
1 2 3 4 5 6 7 8 9 10	802 <u>CERTIFICATE OF REPORTER</u> COMMONWEALTH OF PENNSYLVANIA : : COUNTY OF ALLEGHENY : I, Heidi R. Hawk, a Notary Public duly commissioned and qualified in and for the said Commonwealth and County, do hereby certify that pursuant to the notice, the within named persons were sworn by me to testify to the truth and nothing but the truth; that the testimony was reduced to writing under my supervision; that this transcript is a true record of the testimony given by the witnesses. I further certify that I am neither attorney nor counsel for, nor related to or employed by any of the parties to the action in which this hearing was taken;
1 2 3 4 5 6 7 8 9 10 11	802 <u>CERTIFICATE OF REPORTER</u> COMMONWEALTH OF PENNSYLVANIA : : COUNTY OF ALLEGHENY I, Heidi R. Hawk, a Notary Public duly commissioned and qualified in and for the said Commonwealth and County, do hereby certify that pursuant to the notice, the within named persons were sworn by me to testify to the truth and nothing but the truth; that the testimony was reduced to writing under my supervision; that this transcript is a true record of the testimony given by the witnesses. I further certify that I am neither attorney nor counsel for, nor related to or employed by any of the parties to the action in which this hearing was taken; and further, that I am not a relative or employee of any attorney or counsel employed by the parties or
1 2 3 4 5 6 7 8 9 10 11 12	802 <u>CERTIFICATE OF REPORTER</u> COMMONWEALTH OF PENNSYLVANIA : COUNTY OF ALLEGHENY : I, Heidi R. Hawk, a Notary Public duly commissioned and qualified in and for the said Commonwealth and County, do hereby certify that pursuant to the notice, the within named persons were sworn by me to testify to the truth and nothing but the truth; that the testimony was reduced to writing under my supervision; that this transcript is a true record of the testimony given by the witnesses. I further certify that I am neither attorney nor counsel for, nor related to or employed by any of the parties to the action in which this hearing was taken; and further, that I am not a relative or employee of any attorney or counsel employed by the parties or financially interested in this action.
1 2 3 4 5 6 7 8 9 10 11 12 13	802 <u>CERTIFICATE OF REPORTER</u> COMMONWEALTH OF PENNSYLVANIA : : COUNTY OF ALLEGHENY I, Heidi R. Hawk, a Notary Public duly commissioned and qualified in and for the said Commonwealth and County, do hereby certify that pursuant to the notice, the within named persons were sworn by me to testify to the truth and nothing but the truth; that the testimony was reduced to writing under my supervision; that this transcript is a true record of the testimony given by the witnesses. I further certify that I am neither attorney nor counsel for, nor related to or employed by any of the parties to the action in which this hearing was taken; and further, that I am not a relative or employee of any attorney or counsel employed by the parties or financially interested in this action. In testimony whereof, I have hereunto subscribed my hand and affixed my seal of office this December 26,
1 2 3 4 5 6 7 8 9 10 11 12 13	802 <u>CERTIFICATE OF REPORTER</u> COMMONWEALTH OF PENNSYLVANIA : : COUNTY OF ALLEGHENY : I, Heidi R. Hawk, a Notary Public duly commissioned and qualified in and for the said Commonwealth and County, do hereby certify that pursuant to the notice, the within named persons were sworn by me to testify to the truth and nothing but the truth; that the testimony was reduced to writing under my supervision; that this transcript is a true record of the testimony given by the witnesses. I further certify that I am neither attorney nor counsel for, nor related to or employed by any of the parties to the action in which this hearing was taken; and further, that I am not a relative or employee of any attorney or counsel employed by the parties or financially interested in this action. In testimony whereof, I have hereunto subscribed my hand and affixed my seal of office this December 26, 2018.
1 2 3 4 5 6 7 8 9 10 11 12 13 14	B02 <u>CERTIFICATE OF REPORTER</u> COMMONWEALTH OF PENNSYLVANIA : COUNTY OF ALLEGHENY :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	BODE COMMONWEALTH OF PENNSYLVANIA : COUNTY OF ALLEGHENY <tr td=""> </tr>
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	<section-header> DESCRIPTIONE OF REPORTER COMMONWEALTH OF PENNSYLVANIA : COUNTY OF ALLEGHENY : COUNTY OF ALLEGHENY : In A Heidi R. Hawk, a Notary Public duly commonwealth and county, do hereby certify that pursuant cot the notice, the within named persons were sworn by me to the notice, the within named persons were sworn by me supervision; that this transcript is a true record of to testify to the truth and nothing but the truth; that to testimony was reduced to writing under my supervision; that this transcript is a true record of to testimony was reduced to writing under my supervision; that this transcript is a true record of to testimony were employed by any of the partitioner, that I am not a relative or employee of any atorney or counsel employed by the parties or totnad and affixed my seal of office this December 26, totad and affixed my seal of office this December 26, totad mad and affixed my seal of office this December 26,</section-header>
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	202 <u>CERTIFICATE OF REPORTER</u> COMMONWEALTH OF PENNSYLVANIA : COUNTY OF ALLEGHENY
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	202 <u>CERTIFICATE OF REPORTER</u> COMMONWEALTH OF PENNSYLVANIA : COUNTY OF ALLEGHENY :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	202 <u>CERTIFICATE OF REPORTER</u> COMMONWEALTH OF PENNSYLVANIA : COUNTY OF ALLEGHENY
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	202 <u>CERTIFICATE OF REPORTER</u> COMMONWEALTH OF PENNSYLVANIA : COUNTY OF ALLEGHENY I, Heidi R. Hawk, a Notary Public duly commonwealth and County, do hereby certify that pursuant to the notice, the within named persons were sworn by me to testify to the truth and nothing but the truth; that the testimony was reduced to writing under my supervision; that this transcript is a true record of the testimony given by the witnesses. I further certify that I am neither attorney nor counsel for, nor related to or employed by any of the parties to the action in which this hearing was taken; and further, that I am not a relative or employee of any attorney or counsel employed by the parties or financially interested in this action. In testimony whereof, I have hereunto subscribed my hand and affixed my seal of office this December 26, 2018. My Commission Expires: March 7, 2019 March 7, 2019
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 122 23	202 <u>CERTIFICATE OF REPORTER</u> COMMONWEALTH OF PENNSYLVANIA : COUNTY OF ALLEGHENY I, Heidi R. Hawk, a Notary Public duly commissioned and qualified in and for the said Commonwealth and County, do hereby certify that pursuant to the notice, the within named persons were sworn by me to testify to the truth and nothing but the truth; that the testimony was reduced to writing under my supervision; that this transcript is a true record of the testimony given by the witnesses. I further certify that I am neither attorney nor counsel for, nor related to or employed by any of the parties to the action in which this hearing was taken; and further, that I am not a relative or employee of any attorney or counsel employed by the parties or financially interested in this action. In testimony whereof, I have hereunto subscribed my and and affixed my seal of office this December 26, 2018. My Commission Expires: March 7, 2019 March 7, 2019 March 7, 2019 March 10F PENNSYLVANIA NOTARIAL SEAL Heldi Hawk, Notary Public

* 728:18, 738:13, 739:15, 739:24, 739:15, 739:24, 739:15, 739:24, 739:15, 739:24, 739:17, 738:18, 739:17, 738:18, 739:18, 739:17, 738:18, 739:11, 739:12, 739:17, 738:18, 739:10, 739:12, 739:17, 739:16, 739:18, 739:17, 739:18, 739:17, 739:18, 739:19, 739:17, 739:17, 739:17, 739:18, 739:18, 739:18, 739:14, 739:	'07 [1] - 588:16 '08 [1] - 588:16	726:18, 739:13, 739:15, 739:24,	763:11, 763:12,	755:13, 797:12	697:14, 697:16,
79:11: 588:16 79:15: 79:52, 75:82, 75:10, 75:10, 75:52, 75:81, 75:52, 75:10, 75:55, 75:5	'07 [1] - 588:16 '08 [1] - 588:16	739:15, 739:24,	775.7 775.8	22 md (4) 644-20	I
197 (I) - 588:16 755:18, 755:17, 779:10, 788:12 24(I) - 683:14 678:14, 688:4, 689 198 (I) - 588:17 756:7, 756:11, 756:7, 776:11, 756:7, 776:11, 756:7, 776:11, 756:7, 776:11, 756:7, 776:11, 756:7, 776:11, 710:23, 711:4, 710:23, 711:4, 710:23, 711:4, 710:23, 711:4, 717:12, 717:11, 717:12, 718:11, 717:12, 728:12, 726:13, 756:15,	' 07 [1] - 588:16 ' 08 [1] - 588:16	and the second sec	110.1, 110.0,	23ru[1] - 044.20	697:21, 697:22,
106 (II) - 588:16 755:24, 756:1, 756:17, 756:17, 756:16, 756:17, 756:16, 756:17, 756:13, 757:16, 756:12, 756:17, 756:13, 757:16, 756:12, 756:17, 756:13, 757:16, 756:12, 756:17, 756:13, 757:16, 756:12, 756:17, 756:13, 757:16, 756:12, 756:17, 756:12, 756:17, 756:12, 756:17, 756:12, 756:17, 756:13, 757:16, 756:12, 756:17, 756:12, 756:17, 710:18, 77102, 7115 24.4 hour (II) - 600.2 200 (II) - 616:13, 656:14, 656:16, 756:12, 756:15, 710:12, 7111, 710:12, 7111, 710:12, 7111, 710:12, 7111, 710:12, 7111, 710:12, 7111, 710:12, 7111, 710:12, 7111, 710:12, 7112, 7115, 720:12, 722, 786:14 24.4 hour (II) - 7112, 7113, 720:13, 723:10, 720:13, 723:10, 720:13, 723:10, 720:13, 723:10, 720:13, 723:10, 720:13, 723:10, 720:13, 723:10, 720:13, 723:10, 720:13, 723:10, 720:13, 723:10, 720:14, 720:14, 728:20, 720:13, 723:10, 720:14, 728:20, 720:14, 728:21, 720:14, 728:21, 720:14, 728:12, 720:14,	'08 [1] - 588:16	755:18, 755:21,	779:10, 788:12	24 [1] - 683:14	698:1, 698:4, 698:7,
		755:24, 756:4,	2.5 [1] - 643:9	24-hour [2] - 678:24,	702:9, 704:22,
"fe gr. a 75:8, 675:10 766:15, 766:17, 797:13, 797:16 565:24, 6702, 753:18 2409 (n. 9604:2 775:22, 708:24, 7010, 7102, 7111, 7010, 7102, 7113, 7010, 7102, 7114, 7101, 7102, 7113, 7111,	'09 [1] - 588:17	756:7, 756:11,	20 [6] - 585:22,	732:14	704:24, 705:9,
90 (t) - 704:10 756:20, 767:16, 99 (t) - 675:17 687:13, 687:19, 770:18, 771.3 25 (t) - 677:16, 770:13, 777:16 267:13, 687:19, 770:18, 771.3 25 (t) - 677:16, 770:18, 771.3 701:18, 710:21, 771.17, 712.1, 713.1, 72.1, 712.1, 713.1, 72.1, 72.1, 713.1, 73.1, 72.1, 713.1, 73.1, 73.1, 73.1, 713.1, 73.1, 73.1, 73.1, 73.1, 713.1, 73.1, 73.1, 73.1, 713.1, 73.1, 73.1, 73.1, 713.1, 73.1, 73.1, 713.1, 73.1, 73.1, 73.1, 713.1, 73.1, 73.1, 73.1, 713.1, 73.1, 73.1, 73.1, 713.1, 73.1, 73.1, 73.1, 713.1, 73.1, 73.1, 73.1, 73.1, 713.1, 73.1, 73.1, 73.1, 73.1, 713.1, 73.1, 73.1, 73.1, 73.1, 713.1, 73.1, 73.1, 73.1,	'16 [2] - 675:8, 675:10	756:15, 756:17,	585:24, 670:2,	2409 [1] - 604:2	705:22, 708:24,
95 (j) = 675:17 797:13, 797:16 753:18 569:14, 565:17, 710:23, 711:4, 7123, 715 99 (j) = 565:6, 594:21, 10:25 (i) = 617:7 564:23, 623:22, 635:5, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:17, 717:10, 717:10,	'90 [1] - 704:10	756:20, 767:16,	687:13, 687:19,	25 [16] - 560:4.	710:18, 710:21,
98 (b): 565:6, 504:21, 100:B (n): 528:16; 100:27; 100:B (n): 565:6, 565:6, 565:6, 565:6, 565:6, 565:7, 7717, 7717.11, 77171, 7717.11, 77171.11, 7717.11, 7717.11, 7717.11, 7717.11, 7717.11	'95 [1] - 675:17	797:13, 797:16	753:18	589:14, 589:17.	710:23, 711:4,
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	'98 [3] - 565:6, 594:21,	109B (1) - 626:16	2008 [7] - 565:3.	617:15, 617:19,	712:1, 712:3, 715:6,
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	594:22	10:25(1) - 617:6	565:4, 565:6,	626:25, 635:5,	717:7, 717:11,
$ \begin{array}{ $	· · · · · · · · · · · · · · · · · · ·	10:35(1) - 617:7	584:23, 623:22,	635:15, 635:21,	717:12, 719:11,
0 11:00 (1) 63:0:0 200 (1) 780:1:0 780:1:0 710:25, 720:8, 710:25, 720:8, 00 (1) - 783:18 734:24, 735:22 2013 (1) - 742:2, 786:14, 765:15, 720:13, 723:10, 0:00 (1) - 783:18 734:24, 735:22 2013 (1) - 742:2, 786:14, 7765:16, 724:1, 724:5, 724 1 12:40 (1) - 670:8 757:24, 758:1, 637:14, 637:16, 724:1, 724:5, 724 1 12:44 (1) - 670:8 757:24, 758:1, 637:14, 637:16, 729:17, 725:17, 729:10, 1 12:44 (1) - 670:8 700:10 2016 (1) - 780:11 2017, 780:10, 699:15 729:22, 729:22, 301:6, 653:15, 735:18 765:13, 673:23, 760:10, 780:11 2016 (1) - 780:12, 700:24, 731:12, 730:17, 730:20, 730:10, 779:10, 785:15, 791:17 601:15, 604:16, 700:24, 731:12, 730:24, 731:12, 730:24, 731:12, 730:24, 731:12, 730:24, 733:23, 730:14, 730:23, 730:14, 730:23, 730:14, 730:24, 731:12, 730:14, 750:13, 733:10, 730:24, 731:12, 730:24, 731:12, 730:24, 731:12, 730:24, 731:12, 730:24, 731:12, 730:14, 750:13, 730:10, 730:14, 750:13,	0	11:38 111 - 670:10	624.7 641:14	670:21, 671:11	719:16, 719:23,
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	0	12 (2) 627:10 628:5	2009 121 - 588:5	765:13 765:15	719:25, 720:8,
$ \begin{array}{c} 00 \ (nr. 783:16) \\ 000 \ (nr. 783:16) \\ 733:11 \\$	0 [1] - 788:12	12[0] - 037.19, 030.3, 600.16, 734.22	588.16	765:25, 766:6	720:13, 723:10,
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	00 [1] - 783:18	090.10, 734.22,	2012 101 742:2	786:14	723:13, 723:19,
783:1 12-hour(1) - 500:14 143:19, 728:5, 124:01(1) - 670:16 637:74, 637:16, 637:74, 637:16, 639:23, 639:24, 730:17, 730:10, 730:17, 731:10, 730:17, 731:10, 730:17, 731:10, 730:17, 731:10, 731:16, 733:10, 730:17, 731:10,	0:00 [2] - 614:11,	734:24, 735:22	740:40 756:2	26 (40) 560.6	724:1, 724:5, 724:7.
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	783:1	12-hour [1] - 690:14	749:19, 750:3,	20 [10] - 500.0,	724:17. 725:24.
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		12:40 [1] - 670:8	757:24, 756:1,	037.14, 037.10,	725:25, 727:25,
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	1	12:43 [1] - 670:11	800:10	037:21,000.19,	729:6 729:10
$\begin{array}{ } 1(m-621:15, 630:2, 630:14, 643:0, 653:15, 630:14, 643:0, 653:15, 630:14, 645:2, 645$		12th [1] - 614:4	2014 [3] - 704:25,	000:22, 000:24,	729:18 729:20
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	1 [17] - 621:15, 630:2,	13 [1] - 753:18	/05:4, 800:10	093:23, 093:24,	729.22 729.25
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	630:13, 630:14,	14 [3] - 637:17, 638:3,	2015 [4] - 760:9,	699:15	730.7 730.10
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	631:6, 653:15,	753:18	760:10, 760:11	20th [1] - 709:22	730.13 730.15
693:2, 730:4, 753:17, 755:15, 763:11, 763:12, 799:13 140-degree (1) - 791:17 2017 [p] - 590:12, 644:20, 671:4, 702:8 696:23, 666:24, 702:8 730:14, 730:10, 731:12, 731:12, 731:16, 733:10, 731:13, 687:19, 693:1, 753:18, 783:2 10 [p] - 564:10, 693:1, 753:18, 783:2 661:15, 600:13, 693:1, 753:18, 783:2 2018 [p] - 675:10 731:16, 733:10, 733:13, 733:15, 733:20, 738:23, 730:13, 687:19, 693:1, 753:18, 783:2 564:14, 569:5, 596:24, 616:16, 609:2 1550 [4] - 608:23, 601:15, 610:14, 600:2 601:15, 610:14, 653:21, 615:5, 643:20, 643:16, 643:26, 646:7, 643:16, 643:6, 17h (1) - 782:17 3 [71] - 610:15, 630:2, 756:17, 756:17, 756:17, 756:14, 778:24, 782:17 751:16, 750:18, 756:14, 756:17, 756:14, 756:17, 756:14, 756:17, 756:14, 756:17, 756:14, 756:17, 756:14, 756:17, 756:14, 756:17, 756:14, 756:17, 756:14, 756:17, 756:14, 757:17, 756:14, 757:14, 757:16, 677:18, 677:16, 677:18, 677:16, 677:18, 677:16, 677:18, 677:16, 677:18, 677:16, 677:18, 677:16, 677:18, 677:16, 677:18, 676:14, 766:22, 666:22, 666:25, 736:21, 767:3, 776:17, 776:14, 776:14, 766:13, 776:14, 766:13, 756:17, 565:13, 756:12, 756:17, 756:17, 756:4, 756:17, 565:13, 756:12, 756:14, 756:14, 756:14, 756:14, 756:14, 756:14, 756:14, 756:14, 756:17, 756:17, 756:4, 756:14, 676:14, 677:16, 677:18, 677:16, 677:18, 677:16, 677:18, 677:17, 776:16, 776:13, 776:17, 776:14, 776:16, 776:14, 776:14, 776:16, 776:14, 776:14, 776:14, 776:14, 776:14, 776:	654:15, 662:3,	140 [1] - 791:12	2016 [1] - 760:11	27 [5] - 560:7, 694:5,	730:17 730:23
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	693:2, 730:4,	140-degree [1] -	2017 [9] - 590:12,	696:23, 696:24,	730.24 731.12
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	753:17, 755:15,	791:17	601:15, 604:16,	702:8	730.24, 731.12,
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	763:11, 763:12,	14591 [1] - 694:6	644:20, 671:4,	28th [1] - 675:10	731.10, 733.10,
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	779:10, 788:12,	15 171 - 589:5, 673:23,	724:9, 730:2, 736:22	2:04 [1] - 718:22	733.13, 733.13,
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	799:13	687:13, 687:19,	2018 [17] - 561:1,	2:29 [1] - 741:8	733.20, 730.23,
564:14, 589:5, 596:24, 616:16, 699:21550 $[4]$ - 608:23, 608:24, 608:25, 609:2601:15, 610:14, 611:17, 614:5, 653:21, 671:5,750:15, 750:16, 750:17, 751:16, 754:4, 751:16, 754:4, 751:17, 751:22, 755:22, 7652:1, 655:16, 655:16, 655:2, 655:16, 655:10, 675:5, 18:inch [1] - 635:21 18:inch [1] - 635:21 18:inch [1] - 635:21 18:inch [1] - 635:21 18:inch [1] - 635:21 19:21 - 753:17, 779:10 645:23, 650:16, 661:3, 678:4, 678:17, 678:4, 19:21 - 757:17 674:4 19:21 - 757:17 674:4 19:21 - 757:17 19:21 - 551:16, 668:9, 668:9, 668:9, 668:9, 668:9, 668:9, 668:9, 668:9, 668:9, 668:9, 668:9, 668:9, 668:9, 668:13, 565:13, 356:12, 556:13, 356:12, 556:13, 356:12, 556:13, 356:12, 656:13, 356:13, 356:12, 622:14, 752:12, 754:22, 754:22, 754:22, 754:22, 565:13, 365(12, 622:3, 662:14, 668:9, 668:14, 566:13, 356:13, 356:12, 622:14, 222:14, 222:3, 622:1, 622:23, 622:1, 622:23, 622:1, 622:23, 622:1, 622:23, 622:1, 622:23, 663:13, 565:13, 356:12, 658:14, 566:13, 756:13, 356:13, 356:12, 658:14, 668:9, 6	10 [31] - 564:10,	693:1, 753:18, 783:2	561:3, 590:13,	2:43 [1] - 741:9	740:14, 750:13,
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	564:14, 589:5,	1550 [4] - 608:23.	601:15, 610:14,		750:15, 750:16,
596:24, 616:16, 641:16, 643:6, 641:16, 643:6, 643:13, 643:16, 643:13, 643:16, 643:13, 643:16, 643:13, 643:16, 643:13, 643:16, 643:14, 643:18, 643:14, 643:18, 643:14, 643:18, 643:14, 653:21653:21, 671:5, 772:15, 731:10, 724:15, 731:10, 724:15, 731:10, 646:5, 646:7, 646:5, 646:7, 646:5, 646:7, 646:5, 646:7, 795:22, 795:22, 646:5, 646:7, 795:22, 795:22, 646:5, 646:7, 646:5, 646:7, 795:22, 795:22, 775:11, 775:14, 775:1, 775:1, 775:11, 775:1, 645:23, 660:19, 640:24, 640:23, 661:3, 775:1, 775:1, 775:10, 775:1, 775:10, 775:1, 775:10, 775:17, 775:10, 770:10, 665:23, 667:25, 566:10, 565:13, 36 [c] - 621:14, 621:12, 621:22, 621:23, 661:21, 199 [c] - 594:20, 660:23, 667:25, 506:11, 565:11, 565:13, 36 [c] - 622:1, 622:2, 622::303 [n] - 651:16, 656:13, 36 [c] - 622:1, 622:2, 622::4, 222:, 751:22,	589:8, 593:9,	608:24, 608:25,	611:17, 614:5,	3	750:22, 751:7,
641:16, 643:6, 643:13, 643:16, 643:17, 643:18, 643:17, 643:18, 643:17, 643:18, 643:17, 643:18, 643:17, 643:18, 657:5, 657:5, 657:5, 657:19, 665:2, 655:1, 655:2, 655:1, 655:2, 655:1, 655:2, 655:1, 655:2, 655:1, 655:2, 655:1, 655:2, 655:1, 655:2, 655:1, 655:2, 655:1, 655:2, 655:2, 655:1, 655:2, 775:1, 755:2, 1, 756:2, 1, 1995(2)-596:6, 596:12, 755:1, 565:1, 565:1, 565:1, 565:1, 565:2, 594:14, 752:10, 752:12, 753:20, 755:1, 755:21, 753:20, 755:21, 753:20, 755:21, 753:20, 755:21, 753:20, 755:21, 753:20, 755:21, 753:20, 755:21, 753:20, 755:21, 753:20, 755:21, 755:21, 755:21, 755:21, 755:21, 755:21, 755:22, 755:22, 755:22, 755:22, 755:22, 755:22, 755:22, 755:22, 755:2, 755:21, 755:21, 755:22, 755:23, 755:21, 755:22, 755:22, 755:22, 755:22, 755:22, 755:22, 755:22, 755:22, 755:23, 755:22, 755:22, 755:22, 755:20, 755:4	596:24, 616:16,	609:2	653:21, 671:5,	0.00.45 000.0	751:16, 754:4,
643:13, 643:16, 643:17, 643:18, 643:17, 643:18, 643:17, 643:18, 643:17, 643:18, 643:17, 643:18, 643:17, 643:18, 657:19, 665:2, 665:2, 665:2, 665:2, 665:2, 665:2, 665:2, 665:2, 665:2, 665:2, 665:2, 665:2, 665:2, 665:2, 665:2, 665:2, 665:2, 665:2, 665:2, 665:10, 675:5, 18 [4] - 582:21, 635:1, 18 [4] - 582:21, 635:1, 18 [4] - 582:21, 635:1, 21 [37] - 569:17, 778:24, 782:17 778:24, 782:17, 778:10, 775:1, 775:4, 775:1, 775:10, 775:1, 775:10, 775:1, 775:10, 764:1, 1995 [2] - 594:20, 666:23, 660:19, 666:23, 667:25, 666:3, 668:9, 687:1, 666:23, 667:25, 7305:17, 757:19, 7305:21, 767:14, 755:17, 757:19, 755:17, 755:24, 755:17, 755:24, 755:17, 757:19, 755:17, 755:26, 7305:57, 756:24, 757:17 755:17, 757:19, 755:17, 755:26, 755:17, 755:27, 755:17, 755:27, 755:17, 755:26, 755:17, 755:27, 755:17, 755:27, 755:17, 755:27, 755:17, 755:27, 755:17, 755:27, 755:17, 755:27, 755:17, 755:27, 755:17, 755:27, 755:27, 755:17, 755:27, 755:27, 755:17, 755:27, 755:27, 755:17, 755:27, 755:4, 755:4, 755:4, 755:4, 755:4, 755:4, 755:4, 755:4, 755:4, 755:4, 755:4, 755:4, 755:	641:16, 643:6,	15th 111 - 782.17	717:14, 721:24,	3 [17] - 610:15, 630:2,	754:7,754:11,
643:17, 643:18, 649:21, 657:5, 657:19, 665:2, 665:10, 675:5, 665:10, 675:5, 18 [4] - 582:21, 635:1, 665:10, 675:5, 677:18, 665:10, 675:5, 18 inch [1] - 635:21 18 inch [1] - 635:21 19 [2] - 753:17, 779:10 640:19, 640:3, 640:19, 640:3, 640:19, 640:3, 640:19, 640:3, 775:16, 779:10, 640:19, 640:3, 775:16, 779:10, 640:19, 640:3, 775:16, 779:10, 640:19, 640:3, 775:16, 779:10, 640:19, 640:3, 775:16, 779:10, 640:19, 640:24, 640:19, 640:24, 788:12 640:19, 640:24, 788:12, 651:16, 640:19, 640:24, 788:12 640:19, 640:24, 788:12, 651:16, 640:19, 640:24, 788:12, 651:16, 640:19, 640:24, 788:12, 651:16, 640:19, 640:24, 788:12, 651:16, 661:16, 645:24, 645:25, 646:2, 668:25, 794:20, 794:21 1998 [3] - 564:16, 655:2, 594:14, 645:24, 645:25, 646:2, 668:25, 743:10, 743:12, 771:8, 781:16 100 [11] - 577:24, 757:17755:17, 779:10, 659:15, 660:19, 660:23, 667:25, 666:23, 667:25, 666:23, 667:25, 666:23, 667:25, 666:23, 667:25, 666:23, 667:27, 755:24, 755:17, 755:4, 755:17, 755:4, 755:4, 625:13, 625:15, 625:13, 625:15, 625:14, 627:18, 625:44, 627:18, 6	643:13, 643:16,	17 11 - 782:11	724:15, 731:10,	630:13, 630:14,	754:14, 754:17,
649:21, 657:5, 657:19, 665:2, 657:19, 665:2, 677:18, 677:16, 677:18, 678:14, 706:11, 678:17, 678:24, 678:14, 706:11, 678:17, 678:24, 678:14, 706:11, 678:17, 678:24, 678:14, 706:11, 778:24, 769:21, 779:10, 678:14, 706:11, 678:17, 678:24, 678:24, 709:10, 678:14, 706:11, 778:24, 769:17, 678:24, 678:14, 706:11, 778:24, 769:17, 678:24, 678:14, 706:11, 778:24, 769:17, 678:24, 678:14, 706:11, 778:24, 769:17, 678:24, 678:17, 678:24, 678:24, 769:17, 678:24, 678:17, 678:24, 717, 779:10, 678:17, 678:24, 779:10, 678:12, 779:10, 678:12, 779:10, 678:12, 779:17, 787:5, 779:17, 787:5, 779:17, 787:5, 779:17, 787:5, 660:23, 667:25, 660:23, 667:25, 660:23, 667:25, 660:23, 667:25, 660:23, 667:25, 666:24, 668:26, 668:9, 687:1, 687:2, 751:22, 756:13, 356 [2] - 622:8, 622: 300 [11] - 557:34, 752:12, 752:12, 752:12, 752:12, 752:12, 752:12, 752:12, 752:12, 752:12, 752:12, 752:12, 752:12, 757:15, 757:19, 757:15, 757:19, 757:15, 757:19, 757:15, 757:19, 757:15, 757:19, 758:3, 758:21, 757:15, 757:19, 758:3, 758:21, 757:15, 757:19, 758:3, 758:21, 754:1, 623:15, 614:6, 630:2, 630:13, 630:14, 625:13, 635:22, 631:4, 631:5, 630:14, 631:5, 630:14, 631:5, 630:14, 631:5, 630:14, 631:7, 633:17, 633:17, 631:2, 631:4, 631:5, 641:19, 643:3, 651:3, 651:2, 669:10, 669:14, 689:12, 794:17, 794:17, 794:17, 794:17, 794:17, 794:17, 794:17, 794:17, 794:17, 794:17, 794:17, 794:19, 640:24, 675:12, 676:18, 672:10, 672:12, 669:14, 677:12, 655:4, 625:15, 631:2, 631:4, 631:5, 631:7, 633:17, 631:2, 631:4, 631:5, 641:19, 643:3, 651:3, 651:2, 676:18, 677:12, 650:14, 67	643:17, 643:18,	17th (1) - 653:21	769:22, 775:22,	646:5, 646:7,	795:22, 795:25
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	649:21, 657:5,	18 (4) - 582:21 635:1	778:24, 782:17	654:16, 753:17,	30th [3] - /1/:14,
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	657:19, 665:2,	635:2 635:14	21 [37] - 569:17,	763:11, 763:12,	/21:24, /26:8
677:16, 677:18, 678:1, 678:3, 678:17, 678:24, 691:4, 706:11, 794:20, 794:21, 761:7, 794:20, 794:21, 797:24, 667:25, 666:25, 594:14, 716:5, 743:8, 716:5, 743:12, 716:5, 743:12, 716:6, 767:11 716:6, 767:17, 767:10, 716:717 716:72, 757:19, 716:717 716:72, 757:19, 716:72, 757:19, 716:10, 764:2, 764:5, 716:72, 757:19, 716:10, 766:72, 767:10, 716:10, 767:12, 756:7, 787:54, 716:10, 600:24, 600:21, 600:24, 600:23, 667:4, 600:23, 6661:3, 600:24, 677:12, 676:18, 677:14, 777:12,<	665:10, 675:5,	19 inch (1) - 635:21	623:2, 623:10,	775:1,775:4,	3153 [2] - 613:21,
678:1, 678:3, 678:1, 678:3,1811(1) - 730.22 19 (2) - 753:17, 779:10640:19, 640:24, 645:23, 650:16, 659:15, 660:19, 659:15, 660:19, 303 (11) - 651:16779:17, 787:5, 788:1235 [6] - 621:14, 621:15, 621:17, 621:19, 621:22, 730:5, 730:5, 730:6, 730; 730:5, 730:6, 730; 741:1, 743:12, 757:17751:12, 752:14, 752:21, 753:12, 753:20, 757:17751:12, 753:12, 753:20, 757:19, 757:17, 757:19, 757:19, 757:19, 621:11, 621:20, 621:11, 621:20, 621:11, 621:20, 621:11, 621:20, 621:11, 621:20, 621:11, 621:20, 621:11, 621:20, 758:3, 758:21, 622:1, 622:23, 621:11, 623:15, 621:11, 623:15, 621:11, 623:15, 601:12, 601:13, 630:14, 625:14, 627:18, 625:17, 625:23, 625:17, 625:23, 625:14, 627:18, 621:12, 631:4, 631:5, 621:12, 661:3752:14, 752:12, 752:14, 752:12, 751:19, 741:17, 741:19752:14, 752:14, 751:19, 743:16, 623:11, 623:15, 67	677:16, 677:18,	10-Inch [1] - 000.21	639:21, 640:3,	775:16, 779:10,	613:23
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	678:1, 678:3,	10(1) - 730.22	640:19, 640:24,	//9:1/, /8/:5,	35 [8] - 621:14,
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	678:17, 678:24,	19[2] - 753.17, 779.10	645:23, 650:16,	788:12	621:15, 621:17,
736:21, 761:7, 794:20, 794:21 1995 $[2] - 594:20$, 674:4660:23, 667:25, 668:8, 668:9, 687:1, 686:8, 668:9, 687:1, 687:2, 751:22, 752:10, 752:12, 752:10, 752:12, 752:10, 752:12, 753:10, 752:12, 757:17 303 $[112] - 565:8,565:10, 565:13,565:17, 565:21,566:3, 592:6,601:23, 602:1,602:7, 616:23,621:21, 621:20,621:22, 621:23,621:11, 621:20,788:12303 [112] - 654:16, 730:34 [3] - 654:16, 730:31036 [2] - 607:10,607:11222757:17757:17757:15, 757:19,764:2, 764:5,764:2, 764:5,764:2, 764:5,623:11, 623:15,623:11, 623:15,673:15, 674:1,673:15, 674:1,675:12, 676:18,651:2, 676:18,651:2, 676:18,651:2, 677:12, 676:18,651:3, 677:4, 677:12,689:11, 689:12,730:5, 730:6, 730:336 [2] - 622:8, 622:2;365:10, 565:13, 365:21,365:10, 565:13, 365:21,365:14, 677:4, 677:12,689:11, 689:12,109 [31] - 625:4,625:13, 625:15,625:14, 627:18,625:14, 627:18,625:14, 627:18,625:14, 627:18,625:14, 627:18,625:14, 627:18,625:14, 627:18,625:14, 627:18,625:14, 627:18,625:14, 627:12, 676:18,613:3303 [112] - 561:1, 787:555-second [2] -752:14, 753:20,101 [2] - 790:44,753:44, 753:40,$	691:4, 706:11,	1978[1] - 757:17	659:15, 660:19,	30 [1] - 651:16	621:19, 621:22,
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	736:21, 761:7,	1995 [2] - 594:20,	660:23, 667:25,	303 [112] - 565:8,	730:5, 730:6, 730:15
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	794:20, 794:21	674:4	668:8, 668:9, 687:1,	565:10, 565:13,	36 [2] - 622:8, 622:11
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	100 [11] - 577:24.	1998 [3] - 564:16,	687:2, 751:22,	565:17, 565:21,	365 [2] - 684:4, 684:5
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	645:24, 645:25,	565:2, 594:14	752:10, 752:12,	566:3, 592:6,	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	646:2. 668:25.	1:49[1] - 718:21	752:14, 752:21,	601:23, 602:1,	4
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	716:5. 743:8.	1st [3] - 611:17, 675:8,	753:12, 753:20,	602:7, 616:23,	A 121 - 654:16 787:5
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	743:10, 743:12.	757:17	757:15, 757:19.	621:11, 621:20,	789.12
1036 [2] - 607:10, 607:11 2 764:2, 764:5, 794:11, 794:14, 596:24, 597:1, 625:13, 625:15, 625:17, 625:23, 625:17, 625:23, 625:14, 627:18, 625:14, 627:18, 625:24, 626:5, 631:2, 631:4, 631:5, 626:14, 627:18, 625:24, 626:5, 631:2, 631:4, 631:5, 626:14, 627:18, 626:14, 627:18, 627:10, 672:12, 630:13, 630:14, 625:24, 626:5, 631:2, 631:4, 631:5, 631:7, 633:17, 626:14, 627:18, 659:9, 662:3, 641:19, 643:3, 641:19, 643:19, 641:19, 643:19,	771:8, 781:16		758:3, 758:21.	621:22, 621:23,	A0 101 756-7 707-0
607:11 2 [25] - 596:6, 596:12, 794:11, 794:14, 623:11, 623:15, 4th [3] - 604:16, 109 [31] - 625:4, 596:24, 597:1, 794:16, 795:8, 623:18, 655:22, 775:19, 778:24 625:13, 625:15, 614:6, 630:2, 800:21, 800:24 673:15, 674:1, 5 625:24, 626:5, 631:2, 631:4, 631:5, 643:6, 631:2, 794:19 675:12, 676:18, 626:14, 627:18, 631:7, 633:17, 2105.21 [2] - 660:24, 677:4, 677:12, 5 659:9, 662:3, 641:19, 643:3, 661:3 609:11, 689:12, 775:14, 775:14,	1036 (2) - 607.10	2	764:2, 764:5.	622:1, 622:23,	40 [2] - 100.1, 101.9
109 [31] - 625:4, 596:24, 597:1, 794:16, 795:8, 623:18, 655:22, 775:19, 778:24 625:13, 625:15, 614:6, 630:2, 800:21, 800:24 672:10, 672:12, 673:15, 674:1, 625:24, 626:5, 631:2, 631:4, 631:5, 631:7, 633:17, 2101.20 [2] - 794:17, 675:12, 676:18, 5[2] - 561:1, 787:5 626:14, 627:18, 631:7, 633:17, 2105.21 [2] - 660:24, 677:4, 677:12, 689:11, 689:12, 625:20, 626:3, 641:19, 643:3, 661:3 605:20, 025:4 677:4, 677:12, 55-second [2] -	607:11	2 1251 - 596-6 596-12	794:11. 794:14.	623:11, 623:15,	401 [3] - 004:10,
6215:13, 625:15, 614:6, 630:2, 625:13, 625:15, 614:6, 630:2, 625:17, 625:23, 630:13, 630:14, 625:24, 626:5, 631:2, 631:4, 631:5, 626:14, 627:18, 631:7, 633:17, 626:3, 641:19, 643:3, 641:19, 643:3, 651:2, 655:0, 626:14, 627:18, 631:7, 633:17, 651:3 641:19, 643:3, 661:3 655:0, 655:0, 627:10, 677:12, 689:11, 689:12, 74:19 665:24, 667:12, 677:12, 655:60:24, 677:4, 677:12, 655:60:24, 677:4, 677:12, 689:11, 689:12,	109 (31) - 625.4	506-24 507-1	794:16.795:8	623:18, 655:22,	//5:19, //8:24
625:17, 625:23, 630:13, 630:14, 2101.20 [2] - 794:17, 673:15, 674:1, 5 625:24, 626:5, 631:2, 631:4, 631:5, 631:7, 633:17, 2105.21 [2] - 660:24, 677:4, 677:12, 52 [1] - 793:5 626:14, 627:18, 631:7, 633:17, 661:3 661:3 677:4, 677:12, 689:11, 689:12, 55-second [2] -	625.13 625.15	614:6 630:2	800:21, 800:24	672:10, 672:12,	-
625:24, 626:5, 631:2, 631:4, 631:5, 626:14, 627:18, 631:7, 633:17, 625:24, 626:3, 631:7, 633:17, 625:24, 627:18, 631:7, 633:17, 650:3, 662:3, 641:19, 643:3, 61:3 655:2, 655:4, 659:9, 662:3, 641:19, 643:3, 651:3 655:2, 655:4, 659:9, 662:3, 641:19, 643:3, 651:3 655:4, 657:4, 627:12, 657:12, 676:18, 657:4, 677:4, 677:12, 689:11, 689:12, 727:70, 720:44 727:70, 723:40	625.17 625.23	630.13 630.14	2101.20 121 - 794 17	673:15, 674:1,	5
625:14, 627:18, 631:7, 633:17, 2105.21 [2] - 660:24, 675:12, 676:18, 52 [1] - 793:5 659:9, 662:3, 641:19, 643:3, 661:3 689:11, 689:12, 55-second [2] -	625-24 626-5	621-2 621-4 621-5	794.19	674:3, 675:4,	5 [2] - 561:1. 787:5
620:17, 027:10, 631.7, 033.17, 2100.21[2] 000.24, 677:4, 677:12, 55-second [2] - 659:9, 662:3, 641:19, 643:3, 661:3 689:11, 689:12, 75-second [2] -	626.14 627.19	621.7 622.17	2105 21 121 - 660.24	675:12, 676:18,	52 [1] - 793:5
035.9, 002.3, 041.19, 049.0, 001.0 001.0 089.11, 689.12, 759.40 759.40	650.0 662.2	641:10 642:2	661.3	677:4, 677:12,	55-second 121 -
71/24 77/210 I RADIN RADIN I 22/21-626/2 K26/A I 755/14 755/14 755/14	717-22 722-14	642:11 642:12	22 171 - 625-2 625-4	689:11, 689:12,	753.14 753.19
702:16 726:16 043.11, 043.12, 025.2, 025.4, 690:12, 690:13, 656:14, 755:17	717.23,722.14,	043.11, 043.12, 654:15 752:47	625-5 640-2 662-2	690:12, 690:13,	558 [1] - 560.4
722.10, 720.10, 054.15, 755.17, 025.5, 040.2, 002.2, 690:17, 697:12,	122.10, 120.10,	004.10, 703.17,	020.0, 040.2, 002.2,	690:17, 697:12,	

	1			
5th [1] - 561:3	738:25, 739:2,	603:5	561:8, 562:4,	716:19
	742:23, 743:3,	ACHD009430 [1] -	502.10, 504.10,	657.1 603.20
6	749:13, 749:15,	780:15	610:12 611:15	approve [1] - 690.22
60 [2] - 727:23. 727:24	- 749:17, 749:20,	ACHD1170[2]-	614-2 665-3 668-3	approve[1] - 030.22
617 [1] - 560:4	750:3, 750:0, 751:3,	/89:22, /69:20	601:12 600:18	683-8 605-20
62 (3) - 734:21	751:11, 755:9,	ACHD14078[1]-	701.12, 033.10,	003.0, 093.20
734.24 735.22	767:18, 767:19,	699:21	741.22 745.19	Approving[1] - 005.19
63 m - 644 4 644 6	767:22, 780:2,	ACHD650 [1] - 603:8	741.23, 743.10,	ArcelorMittal [4] -
775-1	783:9, 783:11,	acronym [2] - 563:15,	751.14, 750.0, 770.2	6/5:25, 6/6:10, 705:40, 700:47
FA IDI FARIE FARIT	790:13, 791:16,	563:16	allegneny [1] - 704.7	705:10, 723:17
702-11	798:12, 798:15	action [3] - 574:5,	allow [5] - 582:4,	area [67] - 567:13,
660 (c) 602:20	9385 [2] - 611:12,	648:25, 701:22	648:24, 694:25,	569:15, 570:11,
602.22 602.20	611:13	activity [6] - 586:19,	695:5, 695:17	570:13, 570:24,
604.2 604.10	9419 [1] - 604:1	586:23, 587:1,	allowable [6] - 628:16,	574:21, 575:12,
604:3, 604:10	9430 [1] - 786:16	587:12, 664:24,	637:24, 651:7,	575:14, 575:16,
00 [1] - 003:10	9:10 [2] - 783:4, 783:5	665:1	652:1, 652:4, 678:13	575:19, 579:3,
b 7 [6] - b 31:1, b 31:5,	9:39 [1] - 591:10	add [1] - 676:3	allowed [2] - 599:10,	580:11, 580:18,
633:17, 641:18,	9:50 [1] - 591:11	added [2] - 691:25,	733:18	580:19, 580:20,
727:9, 764:1	9th [1] - 610:14	744:22	almost [3] - 603:2,	580:21, 580:22,
68 [2] - 644:4, 644:6		adding [2] - 761:16,	683:4, 764:19	583:5, 586:20,
688 [1] - 56U:6	A	761:18	aloud [1] - 794:17	626:24, 633:11,
69 [3] - 775:4, 775:16,	a m (a) 569.6	adhere [2] - 663:13,	alternate [1] - 599:21	638:13, 638:18,
779:17	a.m [6] - 000.0,	668:4	America [2] - 585:16,	649:14, 656:4,
694 [2] - 560:6, 560:7	591:10, 591:11,	adjacent [8] - 583:10,	705:18	660:11, 660:14,
697 [1] - 560:7	617:0, 617:7, 670:10	638:23, 660:11,	amount [5] - 574:23,	660:16, 660:20,
	A18[2] - 612:21,	773:7, 781:22,	610:2, 651:12,	661:15, 661:24,
7	612:23	782:3, 795:2	678:15, 728:7	661:25, 662:1,
7 101 - 588-11 588-20	A20 [2] - 613:8, 613:11	admission [3] -	ample [1] - 670:20	662:11, 662:14,
7 [2] - 500.11, 500.20	A22 [2] - 613:8, 648:13	696:22, 697:2, 697:3	Angela [7] - 561:18,	662:17, 662:20,
7/2/17 /41 607:22	A23 [1] - 783:18	Admitted [1] - 560:2	609:8, 712:17,	662:24, 662:25,
75 (4) 753.16	A24 [2] - 648:13,	admitted [6] - 617:12,	742:10, 747:5,	663:5, 663:12,
10[1]-100.10	651:16	617:15, 617:20,	747:24, 763:22	735:19, 768:7,
0	A26 [3] - 648:14,	671:12, 694:3, 697:5	angela [3] - 561:25,	768:9, 768:11,
0	651:19, 694:3	advance [1] - 704:19	592:1, 754:19	772:10, 772:11,
8 [2] - 588:11, 588:20	A27 [2] - 696:22, 697:5	aerial [2] - 776:13,	ANGELA [2] - 561:19,	772:18, 772:20,
8/23 [1] - 783:6	ability [4] - 659:22,	784:18	670:16	772:21, 772:23,
8137 [2] - 610:6,	683:12, 691:20,	afar (1) - 740:11	angle [2] - 578:5,	773:7, 773:8,
610:10	798:18	afternoon [6] - 672:1,	791:17	773:11, 773:12,
8385 [2] - 631:10,	access [6] - 581:8,	703:15, 707:18,	angled [2] - 578:7,	773:20, 774:1,
631:11	581:11, 683:14,	707:19, 719:7,	578:8	774:8, 774:11,
8:07 [2] - 636:4, 636:7	684:13, 695:17,	728:25	angles [1] - 578:13	774:12, 794:25,
8:27 [1] - 785:15	797:3	Agency [3] - 625:24,	Ann [1] - 723:8	795:5, 795:7, 796:4
	acclimated [1] - 595:8	756:7. 756:12	answer [8] - 584:12,	areas [16] - 580:23,
9	accomplish [1] -	ahead [3] - 667:14,	587:22, 588:23,	580:24, 580:25,
	721:7	687:11, 797:14	615:21, 641:3,	581:6, 626:15,
9 [54] - 588:11,	according [3] -	ahold [3] - 600:24	669:1, 773:5, 774:3	656:2, 656:14,
588:20, 594:10,	729:16, 753:20,	713:10. 713:14	answering [1] -	656:16, 661:13,
594:12, 602:9,	789:16	ain't 11 - 711:15	702:14	663:10, 665:20,
602:11, 602:12,	accurate [2] - 684:21,	Air (1) = 607:21 609:7	anticipate 131 -	681:17, 681:21,
608:7, 608:10,	761:8	610:13 611:16	582:12, 582:14,	714:13, 714:18
608:21, 614:8,	ACHD [17] - 560:3,	614:3 756:8	582:18	arrangement [1] -
616:24, 622:6,	589:17, 603:4,	AK 101 676:5 676:7	anyway (1) - 642:10	675:2
622:9, 622:11,	603:21, 616:20,	alat 141 506-6	anyways [1] - 652:2	arrow [3] - 666:16,
622:23, 630:22,	617:19, 631:10,	506-12 506-24	Apollo (1) - 706:14	777:3, 785:16
630:24, 632:10,	671:11, 683:24,	643:12	anologize (3) - 604.6	article [1] - 729:12
632:13, 650:21,	688:19, 693:23,	043.12	610.6 676.12	Article [34] - 569:17,
650:24, 651:2,	694:5, 696:24,	alerte (1) - 5/3:15	anneal (1) - 643-24	623:2, 623:10,
673:16, 673:17,	711:1, 711:3, 713:5,	alerts [3] - 59/:1,	Appendix (1) - 756-7	639:21, 640:3,
705:1, 705:22,	786:14	643:3, 643:11		640:19, 640:24,
710:15, 711:16,	ACHD002424 [1] -	alleged [1] - 643:23	application [1] - 003.9	645:23, 650:15,
716:7, 719:16,		Allegheny [21] - 561:5,	appreciate [1] -	

	1	1		
659:15, 660:18,	automatically [3] -	588:6, 588:7, 588:8,	battery [96] - 570:24,	774:13, 795:1
660:23, 667:25,	678:13, 681:5.	588:11, 593:9,	574:14, 577:19,	Beryl [6] - 599:12,
668:8, 668:9, 687:1.	681:10	615:12, 615:14,	577:20, 577:21,	599:18, 691:8,
687:2, 751:22.	aware [19] - 623:7.	616:10, 616:11,	578:12, 578:13,	712:15, 760:1
752:10, 752:11.	624:22, 625:1	619:15, 630:9,	578:17, 578:19,	best [6] - 587:17,
752:14, 752:21,	626.6.649.17	630:15, 661:22,	578:20, 578:22,	677:18, 677:19,
753.12 753.20	665:6 665:13	675:5. 677:16.	578:24, 579:4.	691:20, 692:13,
757.15 757.19	665:25 716:10	677:19 677:22	579:6, 579:9, 580:6.	770:10
758.2 758.21	716:11 753:9	677:23, 678:1	581:3. 581:15.	big (4) - 576:13.
704.11 704.14	753-22 754-1	678:3 678:17	582:3 583:7	577.11 604.23
704.16 705.8	764.2 757.21	678.24 707.23	596.18, 604:17,	727.5
900-21 800-24	757:22 761:25	707.24 709.23	608.2 610.20	bigger (1) - 578:3
000.21, 000.24	707.23, 701.23,	713.21 720.10	610:21 612:21	bill (1) = 600:4
aspestos/ieau [1] -	/02.1, /00.2	723.14 725.9	615:23 627:8	Bill (1) - 600:5
0/4.12	D	727.5 727.6	629.9 633.10	binder (6) - 621:13
asniano [1] - 070.5	D	727.10 727.12	633.12 634.21	621.14 621.2
	B2 [1] - 634:13	727:14 730:8	634.25 648.2	621.14, 031.2,
566:1, 615:5	B20 [3] - 605:21,	730.22 731.13	654:10 654:17	Dinder(1) 621:15
assign [1] - 744:23	605:22, 605:24	732:17 734:18	654:10, 660:15	Binder (1) - 021.15
assigned [1] - /34:19	B3 [2] - 634:11.	736.17 736.21	661:25 662:20	DIC[24] - 300:2,
assignments [1] -	661:17	737-22 740-4	663-3 663-4 678-4	5/4:14, 5/7:7,
620:8	background [10] -	740.49	685-4 685-20	586:22, 586:25,
assist [5] - 667:15,	608:5 642:25	742.10, 742.21,	697.7 697.9	587:2, 587:14,
780:15, 780:16,	653 8 672:13	751.1,751.0,751.8,	600:15 709:7	590:1, 591:23,
780:18, 782:6	704:2, 743:5	755.15, 750.0,	709.0 711.6	599:23, 601:9,
associate [2] - 563:1,	743:12, 743:13,	757.10, 705.15,	700.9, 711.0,	604:8, 610:5, 610:7,
563:2	785:18 785:21	779.0, 779.11 Betteries (5) (20:2	710.10, 717.2,	610:17, 625:11,
associate's [1] -	backstay (3) - 660:4	Balteries [5] - 030.2,	720.23, 727.8,	629:1, 669:24,
562:21	660.6	762:11 762:12	734.20 736.12	672:13, 690:2,
assume [4] - 604:3,	backwards [1] - 604:8	703.11, 703.12 Detter (105) 575:9	704.20, 700.12,	715:23, 753:21,
621:20, 729:19,	had 121 - 596:18	575.0 599.44	740.4, 740.5,	781:9, 782:10
746:24	bag [2] - 790.7 790.10	575.9, 500.11,	740.10, 740.10,	DIACK [6] - 580:14,
assuming [3] - 590:5,	bag [2] - 700.17, 700.10	505.22, 595.19,	750:10 750:16	582:17, 711:20,
590:21, 620:20	bar (1) - 638:18	602:12, 602:10,	762.20 765.8	715:24, 788:12,
assurance [4] - 689:3,	bar [1] = 000.10	604:19 605:2	768.6 771.25	788:20
689:14, 689:20,	656:14 656:10	804.18, 805.2,	772.4 772.7	DIANK [2] - 612:17,
689:23	657:0 772:5	605:10, 605:11,	772.4, 772.16	/36:5
attached [3] - 563:2,	607.9, 772.0	606:23, 610:15,	772.13, 772.10,	blink [3] - 633:1,
688:25, 689:13	629:10 626:11	611.17, 614.0,	776.12 781.0	636:16, 764:20
attachment [2] -	660:2 664:24	027.10, 027.12,	782.7 784.18	block [5] - 606:7,
560:6, 688:21	677:6 679:14	027:14, 027:10,	784.25 787.8	606:13, 766:21,
attempt [1] - 663:7	700:10	030:14, 044:19,	704.23, 707.0,	784:16, 784:17
attempted [1] - 715:4	799.19	048.0, 000.11,	707.12, 707.10,	blocked [2] - 605:17,
attention [5] - 588:24,	Dasis [19] - 019.9,	007.3,000.3,	795.2, 795.10,	762:24
680:2, 740:9,	022.20, 024.10,	000.10,007.0,	708.23 700.11	blocks [1] - 629:15
797:12, 797:19	024.12,003.10,	007:13, 702:0,	700.20, 700.25	blowing [1] - 777:7
attorney [1] - 741:4	005:04 005:00	712:21, 712:22,	199.10, 199.20 heerman 710.22	blueprints [1] - 729:16
attrition [1] - 589:8	000.21,000.22,	/ 12.20, / 13:3,	721-2	Bob [1] - 572:7
audit (6) - 624:23,	686:7, 722:1,	713:6, 713:9,	/31.3	boom [1] ~ 589:3
689:14, 691:21,	724:10, 732:24,	713:10, 714:21,	1 Decome [5] - 022:14,	bottom [9] - 603:3,
693:25, 699:17,	742:17, 740:0,	/ 10:1, / 10:14,	129.22, 130.11,	603:24, 603:25,
761:21	/40:14, /4/:4, /54:0	716:12, 716:25,	749:17, 755:25	605:19, 638:8,
audited [2] - 691:7.	Dates [/] - 590:4,	727:19, 727:20,	becoming [1] - 729:9	638:24, 693:4,
698:6	590:20, 590:23,	740,45,750,49	Dencn [19] - /13:21,	771:12, 788:11
auditing [1] - 702:4	590:25, 694:6,	/40:15, /53:18,	/13:22, /13:23,	bound [1] - 668:4
auditor (1) - 691:1	786:15, 789:22	759:10, 759:17,	/13:24, /13:25,	box [4] - 610:19,
audits (3) - 691.2	Datteries [64] -	/59:19, //5:24,	/14:1, /16:25,	611:20, 788:11,
691:3.691:4	565:19, 571:7,	770:17, 778:25,	/34:3, /34:5, //2:1,	788:15
August (1) - 604-16	5/2:25, 5/3:16,	//9:5, //9:10,	//2:4, //2:/,	breathe [1] - 578:25
auto 121 - 678:6 689:3	5/3:17, 5/7:8,	780:16, 781:24,	772:14, 772:15,	Brian [2] - 669:21,
automatic (4) - 677.25	577:11, 584:21,	790:6, 796:13,	//2:16, //2:22,	671:20
automatic [1] - 0/1.20	586:6, 587:13,	799:13		

-		1		
BRIAN [1] - 671:22	659:14, 686:24,	certainly [1] - 590:15	755:18, 755:21,	781:7, 781:13,
brick [10] - 639:3.	760:25, 761:14	certainty [1] - 747:17	755:24, 756:4,	781:21, 782:5
639:6. 639:9.	calm [1] - 785:15	certification [18] -	797:13, 797:16	Charging [1] - 610:13
639:13, 640:8,	Cameron [1] - 729:11	565:8, 592:6,	chapter [1] - 625:19	chart [1] - 610:17
640:14, 640:21,	canvas [3] - 576:7.	592:10, 594:15,	characteristic [1] -	check [2] - 679:23,
772:8, 772:14, 773:6	576:12	622:16, 622:22,	580:12	761:21
brickwork 161 -	cap [10] - 583:3.	624:2, 719:25,	characteristics [1] -	checked [1] - 748:11
773:18, 773:20.	583:6, 583:11.	724:11, 730:1,	580:15	checking [2] - 728:3,
773:23, 773:25,	583:16, 583:18,	731:6, 731:12,	charge [23] - 596:18,	798:10
774:6, 774:16	583:19, 583:22,	749:10, 749:20,	633:25, 634:4,	checks [1] - 748:12
briefly [1] - 682:22	613:17, 648:19,	751:8, 751:11,	634:10, 634:16,	Chemical [1] - 723:23
brown [2] - 788:13,	782:22	751:15, 755:8	644:24, 645:2,	Cherepko [4] -
788:20	capable [1] - 701:25	certifications [5] -	737:10, 737:11,	692:25, 710:12,
bucket [1] - 683:1	capacity [1] - 705:7	689:5, 689:9,	753:14, 753:19,	719:1, 719:9
buckets [1] - 679:12	caps [9] - 583:13,	689:11, 689:12,	775:18, 779:12,	CHEREPKO [2] -
buckstay [7] - 639:2,	656:16, 656:20,	712:18	779:20, 782:9,	719:3, 722:22
639:13, 660:8,	657:10, 657:15,	certified [50] - 564:3,	794:2, 794:4, 794:5,	cherepko [1] - 722:21
660:9, 660:11,	711:13, 780:13,	565:10, 565:12,	794:6, 794:7, 794:9,	CHMR [2] - 563:3,
774:13	780:19, 781:22	565:16, 566:2,	794:10	563:4
buckstays [17] -	capsule [1] - 788:18	594:10, 594:12,	charged [7] - 634:3,	choose [6] - 652:4,
638:23, 639:3,	captures [1] - 714:3	594:13, 618:16,	662:1, 663:11,	698:3, 720:18,
639:6, 639:9, 640:8,	car [13] - 577:8,	621:8, 621:24,	735:18, 780:14,	725:6, 725:9, 733:18
640:14, 640:21,	579:13, 579:14,	622:14, 673:17,	780:18, 782:3	Chuck [4] - 679:22,
772:1, 772:3, 772:7,	579:17, 579:21,	673:22, 673:24,	charges [16] - 627:23,	682:21, 695:25,
772:13, 773:7,	582:16, 586:8,	674:1, 674:3,	628:2, 628:8,	721:14
773:18, 773:23,	619:7, 645:7, 747:2,	677:12, 691:5,	628:11, 626:10,	chuck [19] - 638:9,
774:5, 774:16, 795:2	780:13, 781:21	697:12, 697:14,	620.20, 020.22,	638:17, 638:21,
building [3] - 567:4,	carbon [1] - 582:9	704:18 704:19	753.16 757.5	639:2, 639:12,
567:15, 619:11	care [3] - 591:8, 597:4,	704.10, 704.10,	757.8 757.14	640.7, 040.14,
built [2] - 677:20,	617:23	705.1 711.16	779:7, 779:8, 779:9	606.2 771.10
694:25	career [1] - 585:12	711:17, 712:2.	charging (611 -	771.23 772.9
burning [2] - 582:8,	Carl [4] - 598:5, 598:0,	712:12, 716:7,	580:21, 593:10,	773.1.773.3.773.9.
002.17 Burne (0) 675:25	590.7, 590.11	719:23, 724:5,	595:14, 610:16,	773:13, 774:9, 795:3
691·10	710.16	724:7, 724:17,	610:21, 611:3,	circle [2] - 656:5.
but (11 - 704:21	Case (6) - 664'17	729:23, 730:11,	611:9, 619:15,	656:8
button (5) - 678.7	681.19 682.3	730:17, 731:3,	627:19, 627:22,	circles [1] - 776:14
680.22 681.1	718:10, 724:25,	731:16, 749:13,	628:1, 644:3,	circumstances [1] -
681:11, 681:13	780:15	749:17, 750:18,	644:14, 644:17,	605:14
byproduct (2) - 582:9.	cases [1] - 683:4	750:25, 751:2,	644:19, 644:22,	citation [1] - 661:2
730:7	catch [2] - 601:3.	751:5, 751:7, 767:20	645:9, 645:13,	Citizens [1] - 675:19
	793:21	CFR [1] - 756:7	667:8, 667:13,	City [2] - 675:20,
C	category [1] - 745:3	challenged [1] - 665:7	677:10, 712:9,	675:22
	caught [3] - 600:16,	change [5] - 587:13,	724:21, 733:7,	Clairton [53] - 566:8,
G-K-U-W-L-E-Y [1] -	651:5, 686:2	609:13, 609:16,	730:15, 730:21,	566:16, 581:24,
502:2 020 m 705 5 707 2	causes [1] - 570:2	616:13, 721:18	730.24, 737.11,	584:15, 584:24,
767.6	CCAC [2] - 562:19,	cnanged [7] - 504:11,	737.10, 737.20,	585:2, 593:8, 607:6,
101.0 C22 (0) 765:5 767:3	563:17	585:11, 643:9,	744.7 744.9	607:23, 609:7,
767.6	cell [1] - 681:16	687.21 794.7	753:13, 756:25.	610:14, 611:17,
calculated 121 -	cellular [2] - 682:10,	changes (3) - 571-19	757:2, 757:4,	014:4, 020:20,
608:10, 663:9	682:11	571:23, 692:7	758:19, 758:21,	676-10 676-11
calculating [1] -	center [1] - 654:16	changing (3) - 586:20	762:7, 775:11,	676:21 681:24
760:17	Central [1] - 673:1	586:23. 680:14	776:1, 776:15,	692.21 697.16
calculation 191 -	certain [13] - 565:21,	Chapter [17] - 625:4.	776:18, 776:23,	703:24, 705:9
612:24, 760:13.	580:20, 580:24,	625:13, 625:15.	777:19, 778:23,	705:23, 706:15
760:16. 760:19.	580:25, 633:9,	625:17. 625:23.	779:3, 779:14,	706:19 706:21
760:24, 761:4,	635:19, 665:19,	626:13, 626:14,	779:22, 780:4,	707:10. 709:3.
761:9, 761:11	681:17, 686:18,	626:16, 627:18,	780:9, 780:12,	720:4, 720:8,
calculations [4] -	787.12 788.4	659:9, 662:3,	780:21, 781:3,	720:21, 723:17,
	/0/.12, /00.4			

724:19, 724:22, 725:5. 726:25. 727:12, 731:19, 731:23, 733:5, 735:13, 736:12, 742:8, 742:13, 742:14, 743:21, 744:3, 745:23, 752:6, 792:13, 800:6 clarify [2] - 585:19, 649:13 class [6] - 570:16, 690:17, 712:8, 712:16, 712:19, 730:24 classroom [4] - 712:6, 712:7, 730:18, 730:24 clean [1] - 695:9 cleaned [1] - 567:25 clip [1] - 597:17 clipboard [1] - 597:18 close [5] - 576:8. 585:21, 603:25, 734:9, 734:10 closed [3] - 583:18, 583:20, 583:22 closest [6] - 578:12, 578:19, 580:7, 580:10, 581:4 cloth [1] - 576:4 cloud [9] - 678:10, 679:7, 680:18, 680:20, 681:6, 681:10, 682:18, 682:20, 688:7 coal [4] - 582:11, 593:22, 593:23, 594:8 coke [121] - 564:23, 565:1, 565:19, 567:7, 570:24, 570:25, 578:11, 579:4, 579:8, 579:15, 579:17, 579:24, 579:25, 580:1, 581:3, 581:7, 581:10, 581:23, 582:3, 582:8, 582:11, 582:20, 582:24, 584:21, 594:6, 594:24, 601:18, 602:10, 602:13, 602:15, 604:22, 604:24, 608:3, 610:25, 612:2, 613:10, 613:12, 630:8, 630:12, 630:13, 633:9, 633:18,

633:22, 633:24, 634:21, 634:24, 635:8, 635:14, 635:16, 635:21, 636:19, 637:6, 638:20, 639:1, 642:3, 648:17, 654:5, 654:11, 654:15, 654:19, 654:24, 655:2. 655:9, 661:24, 662:22, 675:24, 676:7, 676:9, 677:3, 686:5, 686:10, 702:9, 710:16, 711:13, 713:2, 713:6, 713:9, 713:13, 713:16, 714:21, 715:1, 715:14, 715:21, 715:25, 716:9, 716:12, 717:1, 720:10, 723:14, 730:8, 730:22, 731:13, 733:25, 740:15, 740:17, 741:25, 742:4, 742:7, 747:21, 752:13, 756:5, 759:14, 759:17, 759:19, 759:20, 763:12, 765:4, 765:23, 769:25, 771:17, 771:19, 783:7, 784:19, 795:1, 796:14, 797:16 Coke [12] - 566:8, 584:15, 584:24, 585:2, 607:6, 675:19, 676:21, 692:21, 705:23, 707:10, 726:25, 800:6 coke-side [3] -716:12, 733:25, 759:19 coked [4] - 582:6, 582:7, 582:12, 582:15 coking [3] - 574:4, 582:21, 594:7 cold [1] - 570:1 Coleen [4] - 572:9, 574:8, 575:2, 647:20 colleague [4] -597:21, 619:10, 641:10, 747:5 colleagues [1] - 755:3 collected [1] - 590:5

collecting [2] - 664:3, 690:10 collection [2] - 590:3, 678:23 Collective [1] - 560:5 College [1] - 562:16 column [9] - 612:14, 633:25, 736:18, 737:4, 737:8, 737:14, 767:9, 767:13, 776:5 combusted [5] -647:3, 647:4, 649:5, 649:8, 650:20 combustion [1] -715:20 comfort [1] - 690:20 comfortable [5] -658:5, 658:13, 679:19, 692:13, 755:4 communicate [3] -684:16, 695:1, 714:10 communicated [1] -684:18 communicates [1] -680:22 communicating [1] -680:20 communication [2] -681:22, 800:17 community [1] -562:16 Company [1] - 729:6 company [18] -563:19, 563:21, 564:8, 571:23, 585:10, 672:19, 674:7, 674:8, 688:9, 688:12, 691:18, 694:13, 697:9, 697:10, 698:16, 699:2, 701:6, 723:11 compare [6] - 693:12, 698:18, 698:23, 700:12, 702:20, 715:13 compared [1] - 678:16 comparing [2] -700:14. 700:21 comparison [1] -728:6 compatible [1] - 695:2 complained [2] -792:18, 792:20 complaint [2] -695:12, 792:17 complaints [2] -665:4, 665:14

complete [3] - 567:20, 787:16.799:2 completed [1] -644:13 completely [1] -743:15 completing [1] - 663:6 complex [1] - 601:9 compliance [26] -620:18, 628:7, 628:12, 628:19, 659:9, 659:11, 663:8, 668:19, 668:24, 688:13, 688:15, 693:10, 698:10, 699:2, 699:9, 700:4, 700:9, 700:15, 700:17, 700:19. 700:23. 701:1. 701:5. 701:16, 761:5, 761:6 Compliance [2] -627:21, 757:3 comply [3] - 752:16, 754:4, 754:7 computer [6] - 598:16, 619:12, 680:9, 680:24, 747:12, 748:11 concentrating [1] -740:10 concerned [1] - 570:6 conclusion [2] -617:24, 681:3 condition [5] - 642:23, 652:7, 653:6, 769:15, 785:11 conditions [2] - 582:4, 777:25 conduct [2] - 675:4, 713:8 confined [1] - 704:19 confirm [2] - 573:8, 730:3 confirmation [1] -573:3 conflict [2] - 668:7, 800:23 confusion [1] - 687:1 connect [1] - 578:8 connected [7] -577:19, 578:16, 578:19, 579:1, 579:8, 581:3, 682:12 connects [2] - 578:12, 782:2 consecutive [2] -590:4, 628:16 consider [1] - 639:13 considered [4] -

639:10, 660:16, 772:10, 797:1 considering [1] -649:7 consistent [7] -607:16, 608:9, 609:24, 624:24, 651:6, 718:15, 749:5 consistently [4] -611:8, 621:4, 658:4, 761:22 constructing [1] -586:6 consultant [1] -692:10 contact [2] - 674:18, 694:15 contacted [1] - 688:14 contacts [1] - 680:7 context [1] - 758:17 continue [14] - 563:18, 591:20, 592:2, 603:6, 606:22, 607:1, 607:8, 607:9, 652:6, 652:12, 662:25, 663:2, 707:25, 711:5 continued [2] -662:18, 670:18 continues [1] - 662:17 contract [10] - 579:2, 674:15, 674:25, 675:3, 675:9, 675:11, 675:12, 675:18, 676:12, 690:25 contracted [6] -688:15, 691:1, 698:10, 698:12, 700:16, 700:17 contractor [5] - 592:9, 592:20, 649:24, 675:20, 692:16 contractors [2] -596:5, 601:24 contracts [1] - 675:15 contractual [2] -674:20, 675:1 contrasting [1] -785:20 control [5] - 689:20, 748:15, 748:20, 748:21, 748:24 convenient [1] -617:25 convey [1] - 572:25 conveyed [1] - 684:12 cool [1] - 579:25 coordinate [1] - 601:5 copied [2] - 590:13,

		r		1
590:16	751:14, 756:8, 776:2	603:21, 603:23,	690:10, 691:11,	710:3, 710:4, 721:4,
copies [3] - 567:21,	county's [2] - 592:9,	604:1, 609:1,	691:19, 692:4,	724:22, 727:3, 732:1
567:22, 689:8	674:25	669:11, 670:16	695:1, 695:5, 695:7,	Dean [4] - 616:14,
copy [7] - 597:12,	couple [9] - 567:9,	Crowley's [1] - 685:13	695:10, 695:18,	686:17, 694:12,
600:25, 601:2,	592:3, 596:25,	CS [3] - 610:22,	696:4, 696:8,	699:18
601:4, 689:6, 794:3,	597:1, 691:7,	610:24, 648:16	696:14, 696:16,	decarbonizing [6] -
794:16	692:15, 704:20,	cumulative [1] -	698:18, 700:4,	657:15, 657:16,
cord [1] - 682:16	717:1, 734:7	753:14	700:8, 700:19,	788:10, 788:18,
corner [2] - 638:8,	course [1] - 680:25	curious [1] - 706:12	700:20, 701:1,	788:22, 789:1
784:21	COURT [1] - 589:14	current [3] - 564:24,	701:4, 701:17,	Decatur [1] - 673:1
Corporation [1] -	court [8] - 560:9,	672:7, 674:5	702:18, 721:22,	DECEMBER [1] -
561:4	561:15, 671:23,	cursory [1] - 679:17	747:12, 748:3,	561:1
correction [2] - 601:3,	703:11, 719:4,	curtain [4] - 574:22,	748:7, 748:10,	December [1] - 561:3
793:23	723:2, 728:22,	575:15, 575:21,	748:14	decide [4] - 629:20,
corrective [2] - 574:5.	741:16	576:23	dausch [2] - 668:11,	652:10, 745:8,
648:25	cover [4] - 571:7,	custom [3] - 606:16,	718:11	745:11
correctly [2] - 627:24.	578:24, 616:5,	677:20, 694:25	DAUSCH [53] -	decided [2] - 600:5,
679.24	732:13	custom-built [2] -	561:10, 590:3,	687:12
count [7] - 640.7	coverina [2] - 689:5.	677:20. 694:25	590:19, 591:12,	decision [6] - 599:20,
640.13 640.20	694:24		591:19, 617:18,	628:19, 640:17,
641.7 645.13	covers (3) - 579:11	D	618:3, 618:5, 625:8,	652:15, 686:25,
650.13 745.5	583:11, 677:21		625:11, 625:14,	725:12
counted 121 - 612.25	creat (11 - 778-12	D-O-W-N-A-R-D [1] -	644:6, 644:8,	defer [2] - 668:8,
637·25	create [2] - 778.9	741:21	658:23, 666:3,	800:25
037.20 equating (0) 627.25	778.13	damage [1] - 570:3	666:5, 667:16,	definitely (2) - 715:19.
Counting [3] - 037.23,	170.13	damper [1] - 613:12	668:13, 668:16,	765:13
710.9, 710.15	Greated [6] - 040.13,	dampered [4] -	669:6, 669:20,	definition (3) - 794:18.
counts [1] - 587:17	747.16 747.14	612:24, 613:1,	669:23, 670:2,	794.24 794.25
county [49] - 565:2,	747.10,747.10,	613:16, 664:14	670:5, 671:9,	definitions (1) -
565:3, 565:4,	770.13	dampered-off [3] -	693:24, 694:2,	794.18
565:24, 584:25,	Credits [1] - 704.15	612:24, 613:1,	696:23, 696:25,	definitively (1) - 607:5
585:1, 592:20,	Crew [1] - 706:14	613:16	697:8, 701:10,	deflect (1) - 575:15
594:24, 595:2,	Criteria [1] - 731:1	dampering [1] -	703:2, 716:22,	degree [2] - 562:21
595:3, 595:16,	Critique [1] - 793:17	663:25	717:25, 718:13,	702:10
597:16, 598:25,	CROSS [6] - 618:4,	dangerous [6] -	718:17, 719:1,	102.10 dogroog (2) 586:4
602:6, 616:4,	697:7, 716:21,	571:14, 713:11,	719:6, 722:18,	701.12
622:25, 643:14,	726:22, 739:22,	713:17, 713:18,	722:25, 723:4,	/91.12 delete () 697/6
643:17, 644:16,	791:25	713:19, 714:7	726:20, 728:15.	
646:10, 674:16,	CROSS-	dark (7) - 580:16.	728:19, 728:24,	DeLuca [6] - 010:14,
674:19, 675:13,	EXAMINATION [6] -	618:17. 659:19.	739:18. 740:24.	000:17, 087:22,
683:11, 684:13,	618:4, 697:7,	660:1, 714:12	741:3, 741:13.	094:12, 096:11,
685:11, 685:12,	716:21, 726:22,	714:16, 714:18	741:18, 773:16.	699:18
687:3, 689:2,	739:22, 791:25	data (67) - 597.21	775:9. 791:23	demonstrate [2] -
691:14, 696:8,	Crowder [3] - 565:14,	598:4, 598:15	Dausch (111 - 561:10.	689:22, 712:9
696:10, 699:5,	712:14	599:3 599:15	617:17 618:1	demonstrations [1] -
699:8, 699:13,	Crowley [23] - 561:18,	600:6 600:16	666:2, 696:21	620:19
700:8, 700:24,	561:23, 561:25,	609:23 610:2	703.1 718.24	denne [1] - 763:22
701:4, 702:15,	562:3, 604:6, 609:8,	619:11 677:7	722.23 728.14	Denne [13] - 599:18,
702:21, 704:6,	618:2, 618:6, 625:3,	677.17 678.0	728.18 741.12	641:12, 645:16,
722:4, 742:2, 742:5,	631:5, 659:4, 669:9,	670:1 670:3 670:8	David (11 - 729:2	649:21, 655:14,
759:18, 760:4,	669:25, 670:13,	679.1, 079.3, 079.0,	David [1] - 723.2	657:3, 657:12,
760:5, 760:8, 761:20	670:20, 712:17,	670.22 680.14	574.9 575.2	657:18, 691:1,
County [21] - 561:5,	742:10, 742:13,	680.17 680.20	davie (4) 647-24	691:9, 712:15,
561:8, 562:4, 562:7,	747:6, 747:24,	691:1 691:20	udvis [1] - 04/:24	760:1, 763:24
562:18, 564:18,	754:19, 759:25,	001.1,001.20,	day-to-day [1] -	denominator [1] -
607:21, 609:5,	763:22	081:23, 082:5,	6/4:21	663:12
610:12, 614:2,	crowley [1] - 622:8	682:18, 683:15,	days [16] - 568:16,	department [1] -
665:3, 668:3,	CROWLEY (12) -	684:10, 684:20,	675:9, 683:25,	789:5
671:20, 691:12,	561:19. 585:11.	084:21, 084:24,	684:1, 684:2, 684:3,	Department [22] -
699:18, 701:17,	585:15. 591:17.	685:3, 685:6, 685:7,	684:4, 690:18,	561:5, 561:9,
741:23, 745:18,	591:21, 603:13.	685:15, 687:13,	709:25, 710:1,	564:18, 564:20,
		688:2, 688:6,		· · · · · · · · · · · · · · · · · · ·

	r		-	
564:21, 607:21,	differ (2) - 608:13,	646:22	764:5, 764:8, 764:9,	734:9, 734:10,
610:13. 611:15.	623:18	dispute [1] - 665:22	764:11, 765:21,	737:25, 738:7,
614:3, 624:18,	difference [4] -	distance [9] - 626:25,	766:2, 766:4, 766:5,	738:21, 745:4,
665:3, 691:13,	664:19. 715:15.	642:14, 652:25,	766:7, 766:11,	760:12, 760:21,
699:19, 701:17,	728:9, 743:9	740:6, 740:7,	766:12, 766:16,	761:15, 761:19,
701.20 718.9	differences [2] -	765:12, 765:16,	766:18, 766:22,	762:24, 763:11,
741.23 745.18	754.16 800.21	765:18, 785:4	766:23, 767:1,	765:10, 765:16,
751.14 756.8	different (22) - 563:12	divide [1] - 772:3	767:2, 767:3,	765:18, 765:20,
760:21 776:3	EQA:E EQG:4	division (1) - 674:11	767:15, 768:4.	765:23, 766:1,
Department's (2)	504.5, 500.4,	Dennia (4) 602:25	768:5.768:11.	766:3. 766:18.
200/6 752:47	500.10, 595.12,	Domine [1] - 092.20	768:12 768:13	767:3, 770:19.
760:10	590:17, 610.17,	000F[18/] - 576.16,	768:15 768:18	771:4, 771:10.
760.19	611:9, 621:6, 622:4,	581:14, 582.24,	768.23 769.17	795.13 797.3
	628:22, 652:23,	587:3, 587:9,	769:19 769:21	797.6 797.10
/21:25, /26:7	679:12, 681:16,	587:10, 602:20,	770:3 770:8	797:20
describe [7] - 5/6:2,	691:23, 696:2,	604:12, 604:13,	770:14 770:23	double (4) - 593:14
577:6, 577:18,	711:19, 732:17,	605:1, 626:10,	771.15 771.17	503:15 617:23
689:16, 690:1,	733:5, 742:21,	626:14, 626:24,	771.10, 771.22	654:4
707:8, 713:23	746:11, 746:15,	627:1, 627:7, 629:1,	771.13, 771.22,	double main (4)
described [4] -	753:22, 757:17,	629:6, 630:9,	772.0 772.10	654-4
568:18, 670:21,	768:12, 774:5,	630:13, 630:19,	772.10 772.20	double sided (1)
682:22, 781:12	774:22, 778:23,	631:16, 631:17,	772:00 770:00	647.02
description [10] -	780:20, 794:4,	631:19, 631:22,	770.05 770.4	01/:23
577:7, 642:22,	794:5, 794:9	632:14, 632:22,	772:25, 773:1,	down [40] - 5/4:3,
653:5, 659:10,	differently [1] - 781:9	633:11, 634:16,	773:2, 773:3, 773:8,	5/4:19, 5/4:20,
668:18, 668:23,	difficult [1] - 613:21	636:12, 636:14,	773:9, 773:10,	575:18, 576:15,
669:2, 674:6,	diligence [1] - 674:11	637:9, 637:17,	773:12, 773:13,	576:21, 578:13,
769:14, 785:10	dimensionals [1] -	637:25, 638:3,	773:14, 773:20,	579:14, 582:16,
descriptors [3] -	729:15	638:5, 638:9,	774:9,774:12,	587:9, 587:12,
788:16, 788:20,	direct [2] - 643:19,	638:13, 638:14,	774:14, 793:25,	587:17, 588:15,
788:21	797:19	638:17, 638:20,	794:1, 794:25,	588:16, 596:16,
designate [1] - 606:19	DIRECT [7] - 561:21,	638:21, 638:22,	795:3, 795:5,	601:15, 619:10,
designation [1] -	671:24, 703:13,	638:23, 638:24,	795:19, 795:24,	634:4, 634:9,
606:10	719:5, 723:3,	639:1, 639:2,	796:3, 796:4, 798:9	634:19, 638:24,
desk [1] - 794:3	728:23, 741:17	639:12, 641:20,	doors [90] - 567:18,	654:18, 656:18,
detail [4] - 570:18,	directing [1] - 702:21	660:11, 660:14,	579:6, 579:9, 580:6,	669:10, 679:5,
574:13, 574:15,	direction [9] - 612:1,	660:16, 660:20,	580:7, 580:10,	687:15, 703:4,
608:17	642:18, 769:9,	661:13, 661:15,	581:5, 581:7, 581:8,	713:12, 714:1,
details (1) - 570:19	777:12, 777:13,	661:24, 661:25,	581:11, 581:12,	717:13, 718:1,
deteriorate [2] -	777:22, 786:8.	662:1, 662:11,	581:13, 581:16,	722:21, 728:15,
574:20, 575:17	786:10, 789:9	662:14, 662:17,	581:17, 581:18,	728:17, 741:1,
determinations (5) -	directional (1) - 777:3	662:20, 662:22,	581:20, 582:10,	781:11, 784:20,
628.13 693.19	disagree [1] - 573:10	662:23, 662:25,	586:12, 586:15,	787:25, 798:22,
698.17 699.3 701:5	discovery [1] - 590:22	663:4, 663:5,	586:18, 586:20,	799:14
determining (5) -	discrepancies 111 -	663:10, 663:11,	586:23, 587:6,	DOWNARD [5] -
613.5 614.19	665·11	665:20, 713:11,	587:8, 587:10,	741:15, 773:6,
668.10 668.24	discretion (10) -	713:20, 714:8,	587:13, 593:10,	773:12, 775:8,
600.13,000.24,	620.0 620.12	714:11, 715:20,	596:18, 619:15,	791:24
Dottlingor (1) - 508-7	620.15 620.12,	715:21, 728:3,	619:25, 626:9,	Downard [11] - 595:1,
doviato 71 - 600-1	721-18 745-9	728:7, 733:8,	626:19, 629:3,	607:13, 614:5,
717.0 720.15	745:11 708:10	734:19, 737:19,	637:4, 637:5,	657:20, 658:1,
726-2 722-15	708-21 700-15	738:2, 740:8,	637:19, 640:7,	658:8, 658:13,
767-22 700-22	/ 30.21, / 33.10	744:16, 744:19,	640:8, 640:14,	741:14, 741:21,
101.22, 199.23	discuss [1] - 304:13	744:22, 744:24,	640:21, 641:23,	741:22
device [1] - /00:22	uiscusseu [1] -	745:3, 745:6, 750:3,	661:18, 662:8,	Downard's [1] -
devices [1] - 018:22	505.20 diaguaging	759:5, 759:7, 759:9,	663:8, 677:9, 687:7,	658:18
alagnostic [1] -	aiscussing [2] -	760:17, 760:22,	708:15, 708:22,	download [5] -
04/:15	001:7,094:17	760:25, 761:5,	712:24, 714:1,	680:25, 683:12,
diagnostics [2] -	aiscussion [3] -	761:16, 762:9,	714:25, 715:5,	684:14, 687:15,
647:10, 647:21	568:3, 643:20,	762:11, 762:12,	715:24, 717:2,	696:7
diagram [2] - 777:22,	0/1:1/	762:16, 762:23,	720:24, 724:21,	downloadable [1] -
784:22	aiscussions [1] -		733:25, 734:6,	
		1	-	1
---	--	---	---	---
683:3	edit [3] - 601:2, 601:6,	627:22, 631:22,	engineer [5] - 572:9,	601:13, 687:12,
downloaded [1] -	601:7	632:3, 632:6, 632:9,	579:3, 646:19,	687:19, 688:5
684:22	education [6] -	639:12, 640:7,	647:9, 651:8	errors [6] - 686:18,
downloading [1] -	562:12, 563:18,	640:13, 640:15,	engineers [2] -	686:22, 687:25,
680:23	673:4, 673:12,	640:20, 641:7,	790:19, 790:21	688:1, 688:2, 688:3
dozen [2] - 596:25,	673:13, 704:9	645:6, 646:7, 647:7,	ensure [3] - 677:11,	escort [13] - 567:9,
597:1	EDWARD [1] - 719:3	648:8, 649:6,	691:11, 702:5	571:14, 572:25,
drapery [7] - 574:19.	Edward [1] - 719:9	650:20, 651:23,	entail [1] - 562:25	575:3, 601:4,
575:7, 575:10,	effectively [1] - 576:23	652:20, 656:7,	entailed [1] - 563:9	685:14, 685:18,
575:15, 575:21,	efficient [1] - 763:16	661:15, 661:23,	enter [10] - 598:13,	685:19, 792:18,
576:2, 576:22	eight-hour [1] - 616:1	662:16, 663:6,	598:14, 609:23,	793:9, 794:2, 800:6,
draw [2] - 782:7,	either [15] - 590:11,	665:19, 667:9,	619:11, 677:7,	800:17
797:12	619:9, 640:16,	667:12, 685:24,	678:5, 748:10,	escorted [2] - 572:1,
drawing [9] - 666:20,	648:17, 654:24,	710:19, 711:15,	748:14, 779:19,	665:18
776:6, 776:10,	658:9, 679:13,	714:3, 714:20,	783:2	escorting [2] - 572:13,
777:9, 777:14,	687:3, 743:21,	714:25, 716:2,	entered [4] - 679:11,	572:16
791:4, 791:7, 791:9,	747:5, 747:23,	730:7, 740:7,	679:20, 679:24,	escorts [1] - 571:17
791:13	766:10, 766:13,	740:11, 740:17,	782:25	estimate [1] - 727:11
drive [3] - 567:3,	782:21, 788:19	742:18, 742:20,	entering [5] - 600:6,	estimating [3] -
567:14, 708:7	elaborated [1] -	743:22, 743:24,	600:16, 678:9,	618:11, 618:14,
drop [2] - 645:4, 645:7	570:16	744:10, 744:25,	680:20, 747:11	/65:17
dropped [1] - 579:24	electronic [6] - 677:6,	745:5, 750:10,	entire [12] - 571:9,	estimation [2] -
drowsy [1] - 792:7	677:19, 704:10,	750:10, 750.23,	636:19, 637:6,	765:15, 770:10
due [1] - 674:11	704:11, 704:13,	751:16 756:5	654:18, 654:25,	estimations [1] -
duly [7] - 561:14,	733:23	780.10 782.14	663:2, 678:23,	742.23
671:22, 703:11,	elements [1] - 606:5	782:19, 790:9.	723.24, 742.3,	700.8 700.10
719:3, 723:1,	eliminate [3] - 6/7:17,	796:1, 796:13,	766:25	ovaluates (1) - 688-16
/28:21, /41:15	690:4, 691:21	796:17, 796:22,	entirety (1) - 758:13	evaluating (4) - 593:2
duration [1] - 047:0	emission [21] - 300.0,	797:1, 797:9	environmental (8) -	700.20, 700:22.
duties [1] - 392.23	503:8 506:17	emissions [1] -	562:24, 563:8.	702:19
Ducy [1] - 0/0:2	601.17 609.17	662:11	563:20, 563:23,	evaluation [1] -
720-2	619.22 639.14	employ [2] - 697:11,	572:9, 646:18,	700:25
Dvorsky 191 - 728-20	645:2, 661:12.	697:15	647:9, 673:9	event [7] - 572:24,
739.20 740.25	681:8, 696:16,	employed [2] -	Environmental [7] -	573:21, 581:21,
DVORSKY (2) -	742:21, 749:23,	703:23, 760:5	565:15, 625:24,	583:14, 783:4,
728.21 741.2	757:4, 791:10,	employee [5] - 599:2,	704:1, 712:14,	783:6, 800:1
Dzurinko (2) - 570:9.	799:14, 799:16,	741:22, 800:7,	729:5, 756:6, 756:12	evidently [1] - 792:24
572:10	799:19, 799:25	800:18	EPA [9] - 565:16,	exactly [3] - 598:10,
	emissions [104] -	employees [20] -	592:7, 626:4,	758:15, 760:23
E	564:6, 573:17,	5/2:12, 5/2:15,	630:24, 650:24,	EXAMINATION [19] -
	574:21, 575:14,	5/3:15, 5/4.0,	739:12, 756:16,	561:21, 618:4,
e-mail [15] - 000.11,	575:18, 576:24,	587.10 587.21	756:19, 767:16	659:2, 666:4,
600:20, 000:24,	577:3, 580:2, 580:3,	588.1 588.4	EPA'S [5] - 621:11,	667:20, 668:15,
603.4 603.6	580:7, 580:12,	588.12 588:20	022.11, 031.1,	0/0:10, 0/1:24, 607:7, 701:14
693.24 694.9	581:5, 581:21,	588:21, 588:24	717.22, 749.13 oquale (2) 638:0	703.13 716.21
694.16 695.21	582:5, 582:13,	589:4, 589:7,	638·10	710.5 723.3
696:4, 696:11.	582:15, 562:25,	665:18, 676:18,	equinment (13) -	726.22 728.23
696:12	583.17 583.19	691:23	567:2, 569:3, 569:7.	739:22, 741:17,
E-mail [2] - 560:6,	583:22, 593:3.	employer [4] - 677:11,	618:23, 629:15,	791:25
560:8	594:5, 602:20.	703:25, 706:6, 706:8	629:22, 707:12,	example [2] - 574:13,
e-mails [3] - 685:2,	602:23, 609:6,	employment [3] -	723:24, 743:23,	662:21
005.4	612.20 612.22	563:19, 723:9, 729:4	780:11, 780:21,	examples [1] - 574:18
695.1	012.20, 012.22,			
695:1 Eastman [1] - 723:23	613:4, 614:3,	EMS [1] - 706:17	781:6, 781:12	exceedance [10] -
695:1 Eastman [1] - 723:23 Ed [6] - 646:20,	613:4, 614:3, 614:21, 614:22,	EMS [1] - 706:17 EMT [1] - 704:18	781:6, 781:12 equivalent [2] -	exceedance [10] - 572:24, 573:20,
695:1 Eastman [1] - 723:23 Ed [6] - 646:20, 647:18, 658:11,	613:4, 614:3, 614:21, 614:22, 618:8, 618:21,	EMS [1] - 706:17 EMT [1] - 704:18 enforcement [6] -	781:6, 781:12 equivalent [2] - 716:11, 716:12	exceedance [10] - 572:24, 573:20, 574:15, 582:18,
695:1 Eastman [1] - 723:23 Ed [6] - 646:20, 647:18, 658:11, 692:25, 710:11,	613:4, 614:3, 614:21, 614:22, 618:8, 618:21, 619:14, 619:20,	EMS [1] - 706:17 EMT [1] - 704:18 enforcement [6] - 590:9, 643:24, 644:1, 704:22	781:6, 781:12 equivalent [2] - 716:11, 716:12 error [9] - 600:17,	exceedance [10] - 572:24, 573:20, 574:15, 582:18, 652:10, 659:15,
695:1 Eastman [1] - 723:23 Ed [6] - 646:20, 647:18, 658:11, 692:25, 710:11, 719:1 Educut 502:14	613:4, 614:3, 614:21, 614:22, 618:8, 618:21, 619:14, 619:20, 622:24, 626:10,	EMS [1] - 706:17 EMT [1] - 704:18 enforcement [6] - 590:9, 643:24, 644:1, 701:22, 700:10, 700:21	781:6, 781:12 equivalent [2] - 716:11, 716:12 error [9] - 600:17, 600:19, 600:21, 200:15	exceedance [10] - 572:24, 573:20, 574:15, 582:18, 652:10, 659:15, 681:4, 681:7, 000:44, 702:44
695:1 Eastman [1] - 723:23 Ed [6] - 646:20, 647:18, 658:11, 692:25, 710:11, 719:1 Ed's [1] - 592:14	612:20, 612:22, 613:4, 614:3, 614:21, 614:22, 618:8, 618:21, 619:14, 619:20, 622:24, 626:10, 626:14, 626:24,	EMS [1] - 706:17 EMT [1] - 704:18 enforcement [6] - 590:9, 643:24, 644:1, 701:22, 790:19, 790:21	781:6, 781:12 equivalent [2] - 716:11, 716:12 error [9] - 600:17, 600:19, 600:21, 600:24, 601:5,	exceedance [10] - 572:24, 573:20, 574:15, 582:18, 652:10, 659:15, 681:4, 681:7, 698:21, 702:11

				T
exceedances [10] -	572:8, 690:15	716:17, 720:15,	690:10, 690:24,	576:12, 614:13,
582:1, 636:12.	expertise [1] - 565:21	722:11, 722:13,	730:18	614:14, 614:18,
637:1, 637:7.	explain [15] - 583:3.	722:14, 726:1,	fields [1] - 577:22	614:19, 614:20,
637.11 637.14	598 1 613 14	730:11, 733:19.	figure [2] - 770:9.	614:21, 614:22,
637.21 637.22	614:10 633:25	742:18, 749:5.	796:7	614:23, 615:1,
638-1 638-5	654:13 663:21	749.8 752:24	file (3) - 597:19	615:2, 615:3, 647:3,
030.1, 030.3	676:24 677:15	753:2 754:4	619:11 696:13	649:7.649:10.
Exceeds [1] - 745.7	694:11 712:19	754:17 754:18	fill (251 - 607:14	649:18, 650:3,
EXCEI [4] - 619:11,	720-04 721-14	755.1 755.4	610-2 621-10	650:5 650:12
687:18, 696:5,	730:21,731:11,	756:14 756:16	641:22 640:17	650:13 788:19
/4/:12	742:25, 776:10	750.14, 750.10,	041.23, 049.17,	flame-resistant 121 -
except [1] - 793:6	exposure [1] - 585:24	750.10, 750.15,	705:01 704:15	576.7 576.12
exception [2] - 687:8,	extended [1] - 5/4:4	701.20, 702.11,	725.5 725.9	flamos (1) - 715:21
793:7	extensive [1] - 6/6:2	703.4, 703.3,	735.5, 735.6,	flango (4) - 613:17
excludes [1] - 663:10	extent [2] - 606:25,	700.17, 709.7,	735.25, 730.1,	656-15 656-10
excluding [1] - 661:25	767:8	770:15, 770.21,	736:2, 736:7, 736:0,	657:0
exemption [4] -	exterior [1] - 581:9	707.15, 796.0,	740:0, 740:8,	007.9 flatus 579.6
646:25, 647:2,	eye [3] - 618:8,	798:8, 799:1	746:14, 764:8,	Tiat [1] - 578.0
648:24, 664:15	636:16, 764:20	fairly [1] - 700:21	768:15, 776:8,	flip [2] - 603:8, 631:6
exercise [1] - 591:7	eyes [2] - 618:25,	familiar [18] - 565:7,	777:23, 778:2,	flowed [1] - 5/6:11
Exhibit [36] - 560:4,	744:1	630:2, 630:4, 631:5,	782:21	fluctuations [1] -
560:6, 560:7,		631:14, 644:11,	filled [12] - 633:16,	587:24
617:15, 621:14,	F	666:10, 667:3,	646:8, 653:16,	flue [12] - 583:3,
621:22, 622:8,	570.4	667:6, 727:20,	653:20, 735:23,	583:4, 583:6, 583:7,
622:11, 625:2,	face [5] - 570:1,	735:1, 755:23,	764:6, 775:12,	583:11, 583:12,
625:4, 631:1, 631:5,	638:16, 639:4,	755:24, 755:25,	775:13, 775:19,	583:13, 583:16,
633:16, 640:2,	660:10, 795:1	756:11, 756:21,	782:15, 786:19,	583:18, 583:19,
641:18, 644:4,	facilities [10] - 566:18,	774:19, 775:10	790:2	583:22
646:5, 646:7,	595:8, 595:15,	familiarization [1] -	filling [4] - 650:10,	flues [4] - 583:5,
653:14, 662:2,	675:23, 676:10,	731:15	736:4, 737:2, 778:11	583:8, 583:9, 583:10
670:21, 671:11,	705:12, 727:5,	far [18] - 595:13,	Filter [6] - 563:22,	focus [5] - 633:16,
688:24, 693:1,	728:1, 728:4, 728:7	603:1, 603:4, 608:3,	565:5, 585:6, 585:9,	633:24, 704:11,
699:15, 730:15,	facility [31] - 563:7,	633:24, 644:23,	585:14, 585:15	766:23, 767:1
734:21, 734:24,	566:12, 567:3,	734:6, 736:18,	final [8] - 680:15,	focuses [1] - 674:11
755:13, 764:1.	567:8, 567:16,	753:12, 754:8,	686:25, 690:6,	focusing [2] - 766:16,
775:1. 775:4.	569:14, 571:5,	765:10, 765:20,	698:20, 700:23,	766:18
775:16, 779:17	571:6, 571:14,	767:9, 776:22,	703:8, 729:16,	folder [1] - 597:18
782:11, 797:12	571:18, 572:16,	778:22, 780:23,	738:13	follow [37] - 623:11,
exhibit (6) - 560:5.	584:19, 586:1,	780:24, 797:23	finalized [1] - 690:8	623:13, 625:19,
589:11, 644:5.	586:11, 586:17,	fashion [1] - 616:9	finally [2] - 564:12,	627:3, 627:12,
671:9. 786:13.	596:2, 596:3,	feasible [2] - 616:1,	687:5	627:16, 628:5,
789:21	596:16, 607:22,	616:5	finish [7] - 562:21,	629:2, 640:11,
exhibiting (1) - 663:5	659:11, 675:5,	February [2] - 611:17,	591:13, 597:10,	697:22, 698:4,
EXHIBITS (1) - 560:1	676:7, 676:15,	705:4	610:2, 669:17,	717:11, 717:12,
Exhibits (2) - 560.2	677:17, 691:24,	federal [2] - 710:24,	669:25, 736:6	720:19, 721:16,
560:3	703:24, 705:10,	750:15	finished [4] - 669:16,	725:16, 730:14,
ovhibite (2) - 560.9	715:15	feedback [3] - 793:13,	729:14, 731:2,	732:25, 733:3,
617.23	fact [2] - 647:6, 681:18	793:15, 793:19	734:13	733:20, 739:9,
oviet (6) - 620:18	failed [2] - 617:10,	feet [13] - 626:25,	fire [2] - 706:17, 740:8	739:15, 752:19,
620-22 740-1	676:12	635:5, 635:15,	fireman [1] - 704:18	752:20, 752:25,
740.4 740.7 750.0	fair [58] - 577:9,	635:21, 642:3,	firm [1] - 693:9	753:1, 753:3, 753:6,
aviete (4) 701.17	577:10, 599:8,	717:1, 717:4, 734:7.	five-charge 121 -	753:10, 753:23,
WAISUS [1] - /01.1/	600:5, 604:21,	734:8, 765:13.	753:14, 753:19	753:25, 754:11.
exit[1] - /90:14	605:21, 622:17,	765:16, 765:25.	five-minute 121 -	754:14, 759:6,
expano [1] - 5/9:1	624:10, 626:2,	766:6	637 6 637 13	762:10. 771:9. 796:7
expansion [1] -	628:6, 628:24,	fewer (5) - 587:19	fiv 101 - 586-7 596-18	foot (3) - 765:24.
578:20	632:12, 635:8,	587.21 595.17	fixed (2) - 574-22	766:1.766.7
expect [3] - 608:16,	645:20, 645:21,	595.19 595.20	574-22 575-20	foot-and-a-half 121 -
657:22, 699:5	651:11, 651:13,	Fi(11-682-12	0/4.20, 0/0.20	766.1 766.7
expectation [2] -	666:6, 685:23,	field (7) = 577.24	Tixing [2] - 000:20,	football (3) - 577-22
700:24, 701:3	699:4, 699:10,	577.25 578.1	000:23	577.24 578.1
experience [2] -	701:2, 701:8, 716:8,	011.20, 010.1,	Tiame [28] - 5/6:/,	011.2-7, 010.1
			· · · · · · · · · · · · · · · · · · ·	

force [1] - 580:17	gary's [1] - 600:21	647:9, 673:23,	091:13, 099:18,	Honestly [4] - 301:10,
foreman [1] - 685:20	Gas [1] - 675:19	095:11	701.17, 741.23,	659:17
foreman's [1] - 708:11	gas [1] - 570:25	guidance [1] - 649:16	745:16, 751:14,	000.17
forget [1] - 712:16	gases [1] - 570:24	guide [5] - 662:22,	/50:8, //0:3	nopper [1] - 645:7
formal [7] - 562:12,	gathering [1] - 649:24	752:18, 752:20,	near [3] - 665:11,	noppers [2] - 645:4,
624:5, 673:4,	GD [1] - 729:16	752:21, 752:22	685:13, 707:6	/81:22
673:12, 673:13,	gear [2] - 567:5, 567:6	guideline [1] - 640:10	heat [5] - 583:6, 583:7,	hot [10] - 579:13,
704:8, 704:16	gearing [1] - 595:10	Gulf [1] - 563:6	583:8, 583:10, 594:5	579:14, 579:15,
format [3] - 696:2,	generally [14] - 674:7,	guy [1] - 570:5	heavy [3] - 576:6,	5/9:24, 586:9,
696:4, 696:9	674:8, 677:1, 677:2,		576:11, 723:24	588:7, 588:9,
formula [10] - 663:10,	677:3, 683:4, 683:7,	H H	height [1] - 577:12	588:11, 588:15,
687:20, 760:17,	685:19, 721:7,	HARRINGTON	hi [3] - 716:23, 723:5,	710:16
797:19, 797:22,	729:13, 748:25,	11-672-6	723:6	hour [8] - 5/4:5,
797:23, 798:1, 798:4	765:24, 790:18,	Hainee (2) - 502:13	high [25] - 562:8,	616:1, 669:23,
formulas [2] - 687:18,	799:5	602-25	562:10, 562:12,	790:7, 790:14,
687:20	generate [1] - 687:17	6032.20	634:6, 634:8,	790:16, 790:22,
formulate [1] - 800:22	generating [1] -	nan [12] - 000.2,	634:10, 634:15,	791:2
forth [3] - 583:11,	691:19	655:19 720:9	634:18, 636:6,	hours [6] - 574:5,
686:23, 687:5	generators [1] -	765.24 766.1	636:11, 637:11,	582:22, 664:22,
fourteen [1] - 637:10	723:24	766.7 770.16	637:19, 637:24,	664:23, 683:14,
fourths [1] - 625:12	Gino [1] - 712:15	770.18 787.7 787.0	638:5, 641:20,	690:16
fraction [2] - 764:21,	glance [3] - 624:11,	Hallas 121 - 722-25	641:23, 672:21,	house [2] - 790:7,
764:23	764:19, 764:20	722.R	672:22, 672:25,	790:10
free [1] - 707:25	goal [4] - 577:25,	120.0 HALLAG IN 700.1	704:3, 704:8, 745:2,	huge [1] - 576:14
freezes [1] - 570:1	695:6. 695:7	TALLAS [2] - 723.1,	794:1, 798:9, 799:14	hundred [2] - 743:18,
frequently [1] - 796:16	GOD (1) - 567:21	720:21	High [2] - 562:11,	747:17
Friday (11 - 710:5	goosenecks (3) -	nallas (1) - 720.10	673:1	hundreds [1] - 590:25
friend (1) - 706:18	656:16, 656:20,		high-opacity [10] -	hung [1] - 576:18
front (4) - 621.13	657:10	619:2, 619:6, 725:22	634:18, 636:6,	hydrostatic [1] -
712.4 730.4 786.13	grab [1] - 708:2	nang [3] - 5/5:12,	637:11, 637:19,	729:15
frozen (1) - 570:3	graded (1) - 711:22	5/9:5, 001:8	638:5, 641:20,	
fugitive (3) - 742.21	graduate (4) - 672:23.	hanging [1] - 612:17	641:23, 794:1,	
7/3.22 750.16	672.25 673.10	Harbor [2] - 675:25,	798:9, 799:14	Idea (5) 576-12
full m 561.22 710.8	704.14	681:19	higher [2] - 577:20,	109a [5] - 570.15,
702.7 722.14	Gradwalt (1) - 592-13	hard [4] - 576:3,	578:4	727.4 729.0
741.10 742.8 700.5	grav (2) - 788-12	576:10, 714:4, 770:9	hill [1] - 643:4	Identification (2)
fundamontally (4)	788.20	Harmarville [1] -	Hills [1] - 562:11	
606-16	graved (1) - 736:15	563:6	hillside [6] - 595:23,	003.4, 003.3
090.10	grayed [1] = 700.10	Harrington [5] -	596:4, 596:8,	Identified [5] - 040.3,
•		669:22, 671:21,	596:16, 597:2,	048:13, 087:21,
G	aroonowald m	672:2, 697:9, 703:4	643:10	/01.0, /00:20
G-R-E-E-N-E-W-A-L-	703.0 703.22	HARRINGTON [2] -	hired [4] - 592:21,	Identities [1] - 730:15
D [1] - 703:22	716:23 718:6	671:22, 703:5	599:24, 623:22,	Idle [5] - 588:7, 588:8
gaps [1] - 578:20	Greenewald in	hat [1] - 567:7	624:6	508:9, 588:11,
garage [2] - 576:17,	602:25 702:20	Hazmat [2] - 704:18,	hiring [4] - 587:25,	588:15
577:8	721.22	706:17	589:2, 589:3, 589:6	ignited [1] - 788:12
GARY [1] - 741:15	CDEENEWALD (HAZWOPER [2] -	historically [1] - 687:4	imagine [1] - 580:8
gary [1] - 595:1	30240 740:00	563:9, 563:13	hit [9] - 678:7, 680:21,	immediately [1] -
Gary [17] - 595:2.	703:10, 710:20,	head [2] - 587:17,	681:11, 681:13,	663:7
595:5, 599:24	/ 10.2, / 10:4	711:11	681:18, 681:20,	implemented [1] -
600:7. 600:14	ground [8] - 5//:14,	headquarters [2] -	682:21, 682:23,	692:3
607:13, 609:21	577:10, 578:4,	672:20, 679:2	682:24	important [2] - 608:5,
609:23, 611:6.	5/8:9, 5/8:10,	health [2] - 570:6,	hits [1] - 683:2	659:4
614:5, 619:10	5/8:11, 5/8:14,	707:3	hitting (11 - 681:1	in-class [1] - 730:24
675:24, 741:13	602:17	Health [19] - 561:5,	holes [3] - 580:23.	in-process [1] -
741:21, 792:2	groundwater [2] -	561:9, 564:18,	580:24. 581:1	679:18
792:13, 792:21	563:11, 564:1	564:20, 564:21,	holidays [2] - 684:7.	inappropriate [1] -
Gary's 151 - 598:19	group [3] - 6/4:14,	607:21, 609:5,	684:8	698:15
598:20, 598:22	678:19, 678:23	610:12, 611:15,	home [2] - 680:9.	inches [3] - 635:1,
600.24 601.13	guess [7] - 578:25,	614:2, 665:3,	759:3	635:2, 635:14
000.24,001.10	579:1, 589:5, 645:4,		100.0	

include rot - 639.1	737:12, 746:6.	655:8, 655:10,	592:23, 595:17,	742:20, 744:3,
669:10 669:24	778.16 789.4	655:18 655:24	595:22, 598:15,	744:16, 744:19,
720.22 720.25	780.6 780.13	656:3 657:1	598:18, 601:16,	744:25, 745:9.
720.23, 720.23,	700.10 700.24	657:10 657:19	601.17 601.23	745:12, 745:14,
730.11, 730.1,	790.19, 790.24,	657:20, 660:19	604:13, 605:3,	745:23, 746:12,
/30.9, /30.15	informed (4) 755:5	664:25 667:1	607:5 616:9	746:19, 749:8.
Included [3] - 622.10,		667:8 669:19	616:10 616:23	750:10, 751:18
692:1, 786:22	Initial [1] ~ 091.0	679:5 679:10	616:24 618:6	752:16, 752:18
Includes [4] - 626:9,	Initials [2] - 737.1,	670:16 681:1	618:21 619:14	752.24 753.4
653:23, 693:24,	/3/:3	691.3 681.24	610.23, 610.25	753.7 754.3 754.6
760:12	Insignt [1] - 686:21	683:0 683:10	620:13 620:24	754:11 754:13
including [2] - 657:7,	Inspect [21] - 565:19,	695:15 690:16	621.1 623.2 623.8	756.20 759.7
/95:2	615:12, 620:10,	695:17, 705:14	623:10 624:24	759.9 759:20
incorporated [1] -	628:8, 678:3,	705:25 707:9	625:19 626:11	761:21, 762:3.
590:17	678:24, 708:14,	709:25, 707.3,	627.7 628.2 628.7	762.10 762.11
Incorporated [1] -	708:22, 725:10,	711.9 715.11	628.10 629.2	765:21 768:15
729:5	732:23, 733:2,	711.0, 710.11,	620.3 620.6 630.9	768.19 770.3
increase [1] - 782:7	733:7, 759:12,	721.9, 721.10,	630:13 631:17	770.23 779.12
increments [1] - 743:8	759:13, 759:14,	720.0, 720.10,	631.22 633.21	788.4 793.8
independent [2] -	759:17, 761:19,	730.11, 744.0,	635.4 635.7	793.14 794.12
700:25, 755:6	764:11, 771:4, 782:4	744.0, 744.22,	635-22 635-25	705.10 705.10
INDEX [1] - 560:1	inspected [2] -	740.4, 740.9,	641.7 643.8	798.1 799.2 799.6
Indiana [5] - 672:17,	595:15, 676:5	740:10, 747.0,	642:12 644:17	inspector (201 -
673:7, 675:21,	inspecting [15] -	747.10, 740.13,	646.2 652.14	574.11 588.9
676:1, 681:19	585:21, 593:19,	749:1, 750:15,	656-01 659-0	599-10 607-24
Indianapolis [5] -	595:9, 677:8, 677:9,	752:7, 753:14,	650.21, 050.2, 650.5 659.1A	610:14 611:18
672:16, 673:3,	678:17, 729:14,	709:0, 702:13,	650.12 665.5	614.5 610.10
675:19, 675:20,	734:5, 744:5, 744:6,	702:10, 702.24,	665.7 665.12	622:25 623:16
675:23	751:18, 752:12,	763.16, 764.5,	665.15 669.21	645:15 654:8
Indicate [1] - 777:21	761:15, 763:10,	704:8, 704:9,	671.2 675.4 676.0	655.13 673.18
indicate [5] - 665:19,	766:23	704:11, 700:11,	676:21 676:25	680.7 685.8 690.5
669:18, 777:15,	inspection [164] -	700:24, 700:4,	677.4 677.7 686.6	600.12 601.3
788:9, 789:8	567:20, 590:5,	768:17, 766:23,	686:10 690:20	605:10 706:20
indicated [3] - 777:18,	593:6, 597:5,	709.10, 709.17,	680.23 680.24	706.21 706.25
778:3, 795:10	597:14, 598:17,	709.19, 709.21,	600.22 602.14	700.21, 700.20,
indicates [1] - 778:11	604:12, 604:15,	769:24, 770:0,	602:21 602:16	710:11 710:17
indicating [1] - 785:16	604:21, 604:25,	770:14, 770:10,	602:21, 093:10,	773.11, 713.17,
indication [2] -	607:9, 607:12,	770:19,771.1,	607:16 607:10	723.10, 725.25
666:19, 777:25	611:4, 611:16,	770:11,770:10,	702-2 702-5 705-0	720.6 720.10
indicative (1) - 609:10	613:3, 613:7,	770:1, 777:19,	702.2, 702.3, 703.3,	729.0, 729.10,
individual [2] -	615:11, 615:13,	779:14, 780:9,	707.22, 709.23,	729.12, 729.10,
706:23. 710:10	615:23, 617:15,	780:22, 781:14,	710.3, 710.14,	755-6 760-3
individually [1] -	619:3, 619:6,	762:5, 760.19,	710.21,712.3,	inenactor's (2) -
766:4	620:15, 620:18,	700.22, 707.10,	712.22, 712.27,	608·4 677·25
individuals [4] -	620:23, 629:8,	700.3, 700.7,	717.6 720.21	ine poctore (20) -
565:20 592:16	629:12, 629:13,	788:17, 790:22,	717.0, 720.21,	566-3 500-16
676:24 754:20	631:16, 631:19,	791.2, 791.19,	720.23, 721.10,	500:17 615:16
informal (1) - 624'8	632:2, 632:14,	793:20, 794:3,	721.21, 722.12,	616·4 616·5
information (33) -	633:15, 635:9,	797:16, 797:24,	723.14, 723.10,	616.20 676.10
567.11 507.11	635:13, 635:18,	798:2, 798:5,	723:20, 724.19,	610.20, 070.19,
608.3 608.6	636:2, 636:19,	798:20, 799:4,	724.20, 725.0,	0/0.1/, 0/0.19,
608:20 615:21	637:6, 637:13,	799:5, 799:8,	720.7, 720.10,	002.1,002.2,
628.21 633.17	640:9, 641:18,	799:25, 800:5	731.19, 731.23,	003.24, 003.23, 695.1 690.6
645:19 645:22	641:19, 641:20,	Inspection [1] -	722-5 722-9 722-0	600.19 601.2
646-1 640-24	642:12, 644:14,	610:13	700.0, 700.0, 700.0,	090.10, 091.2, 601.4 604.22
640.25 664.3	644:19, 644:23,	Inspections [190] -	733.10, 733.21,	602.0 602.0
672:14 684:11	645:10, 645:13,	563:9, 563:10,	733:25, 734.14,	692.8, 692.9,
685.10 609.20	648:5, 651:2, 651:5,	566:8, 566:11,	130.9, 130.21,	092:10, 092:20,
608.23 702.20	652:5, 653:15,	566:21, 567:16,	/3/:10, /3/:19,	092:24, 097:11,
725.10 722.22	653:23, 653:24,	584:24, 585:2,	/ 38:2, / 38:10,	097:15, 090:1,
720.13, 100.22,	655:1, 655:4, 655:6,	585:8, 587:20,	/ 38:15, / 38:18,	709:2, 709:9,
134.11,130.1,		590:8, 592:6,	/38:23, /39:16,	/31:16, /32:9,
			1 () () () () () () () () () (

		-		
736:1, 736:6, 738:5,	595:13, 597:6,	712:17, 758:1	700:9	690:20, 713:25
738:10, 738:16,	659:10, 668:18,		leaking [7] - 612:10,	leveling [1] - 638:18
749:4, 749:7	668:23, 669:2,	L	613:6, 637:4, 637:5,	Lewis [1] - 706:24
installed [1] - 757:16	674:6, 675:2,	Jahalim 500:20	661:18, 771:25,	lid [22] - 593:21,
instance [4] - 753:13,	706:19, 719:10,	aber [2] - 590.20,	773:21	593:25, 612:16,
777:5, 784:16,	731:16, 754:23	094.0	leaks [54] - 593:12,	613:2, 654:15,
793:20	John [2] - 703:19,	Tabeled [2] - 700.15,	612:11, 612:13,	654:16, 655:5,
instances [1] - 753:1	706:24	109.22	612:19, 613:2,	655:9, 655:18,
instantaneous [1] -	Johnson [1] - 694:13	Tabels [3] - 590.4,	613:3, 636:3,	655:24, 656:2,
764:19	joint [3] - 613:18,	590.24, 590.25	636:14, 637:9,	656:4, 656:5, 656:8,
instead [1] - 670:2	656:16, 657:9	Iack [1] - 014:9	637:17, 637:25,	733:8, 734:20,
instructed [1] - 615:9	joints [1] - 656:20	lady [1] - 592:14	638:3, 656:12,	738:15, 744:6,
instruction [1] -	Jonelle [3] - 572:10,	land [1] - 674:10	678:14, 678:15,	787:15, 787:16,
607:16	694:12, 694:14	landscaping [2] -	686:2, 686:9, 687:6,	788:4, 788:7
insurance [1] - 693:25	Jr [1] - 719:9	706:5, 706:15	702:16, 715:7,	lids [29] - 593:19,
intent [2] - 699:1,	jump [1] - 669:15	Landscaping [1] -	715:8, 715:9,	593:22, 593:23,
700:12	June [2] - 731:9,	706:9	715:13, 716:9,	594:2, 612:8,
interacted [1] - 575:2	749:19	language [1] - 000.17	716:15, 727:25,	612:10, 645:5,
interactions [2] -		lapsed [1] - 594:15	728:3, 728:7,	645:8, 653:24,
616:18, 616:19	K	large [1] - 786:13	734:19, 734:20,	654:5, 654:6, 654:9,
interested [3] -	K B. d.m. 077-04	larger [1] - 610:5	735:5, 735:7, 744:6,	677:8, 711:14,
684:19, 692:5,	κ-Ροπ [5] - 6//:21,	larry [7] - 579:13,	744:7, 744:16,	720:25, 724:20,
706:18	680:6, 683:13,	582:16, 586:8,	744:22, 744:23,	738:13, 738:21,
interim [1] - 691:6	687:14, 690:21	645:3, 645:7,	745:1, 745:5,	744:7, 780:18,
internal [2] - 695:11,	К-РОПЗ [1] - 6/9:12	780:13, 781:21	749:23, 760:18,	781:22, 786:23,
695:23	Kentucky [1] - 6/6:5	last [31] - 562:1,	760:22, 761:16,	786:25, 787:2,
interrupt [2] - 596:9,	Keramida [56] - 592:9,	5/4:25, 5/5:1,	764:12, 768:8,	/8/:4, /8/:/,
712:11	592:20, 592:21,	575:23, 589:5,	768:10, 768:12,	787:12, 787:14,
inversion [1] - 596:15	602:3, 669:21,	589:9, 592:14,	795:11, 795:19,	788:9
investigate [1] -	672:9, 674:5,	603:21, 627:21,	798:6, 798:9, 798:16	light [3] - /14:12,
799:16	674:19, 675:1,	647:12, 647:23,	learn [2] - 645:12,	/43:1, /43:5
investigation [1] -	0/0.2, 004:10,	001:20, 003:11,	656:25	lighting [1] - / 14:6
674:12	000.17,000.10,	0/2:4, 0/3.22,	learned [3] - 641:6,	lights [3] - /14:/,
involve [5] - 569:8,	607.0 607.10	700:2 702:10	649:20, 657:12	/14:1/
593:11, 729:13,	6097.9, 097.10, 609:0, 600:9, 700:7	700.3, 703.19,	leave [3] - 564:15,	limit [4] - 652:4,
732:5, 744:4	700.9, 099.0, 700.7,	703.21, 712.0,	707:10, 741:5	753:15, 753:19,
involved [1] - 730:21	700.8, 700.10,	712.10, 720.3,	lett [10] - 564:12,	/62:12
Irvin [1] - 566:15	700.10, 701.0,	755-1 757-2 758-5	565:6, 582:8,	limitation [1] - 661:15
isolated [1] - 580:18	702.23, 704.1,	758.0 758.25	612:17, 615:15,	limited [1] - 795:3
issue [6] - 573:16,	705:16 706:13	lastly (1) - 690:24	033:24, 730:10,	line [13] - 604:23,
590:10, 591:14,	709.11 710.2	LaVon (1) - 604:13	//4:13,///.1,/03.5	606:15, 611:24,
604:8, 617:23,	710.20 719.11		F77:20 577:22	611:25, 612:13,
701:16	719:13, 719:14	747.7 747.11	577.20, 577.25,	647.1, 647.4, 649.9,
issues [4] - 674:13,	719:20, 723:12,	lavor (2) - 567:5	lontitus 660:12	792.25 792.1
680:5, 682:3, 682:5	723:13, 723:20,	567.6 691.25	772.9 773.6	702.20, 700.1,
IT [1] - 680:19	724:1. 724:17.	lavout (1) - 791:10	772.0, 773.0,	104.22
itself [2] - 744:9,	725:22, 725:25	load (1) - 581:14	173.23, 114.0	HSted [2] - 090.13,
773:13	729:5, 729:10.	loak (0) 612:25	620-7 620-0	130.17
	729:19, 732:9	613.7 630.10	630.12 640.9	liticotion (1) 650:5
J	736:1.736:12.	631.25 632.22	640:14 640:21	lingation [1] - 009.0
-	736:21, 738:4	634.2 634.5 634.8	660:13 773:19	live [2] - 502.0, 072.15
jamb [1] - 795:4	738:10, 738:16,	634.18 656.1	774.17	1080 [1] - 507:2
January [5] - 610:14,	738:19, 741:3	744.10, 745.3	loscor (2) . 500:5	IOCATED [3] - 030:4,
653:21, 757:16,	Keramida's 131 -	745.6 761.5	767.8	0/2:19,0/3:2
775:19, 778:24	699:1.700:24.701:1	764:15 767:15	107.0	location [4] - 720:3,
jason [2] - 561:8,	Keyport [1] - 708:2	768.4 774.8	lotter [1] - 000.0	708:22, 790:22,
590:3	kinds (1) - 638:22	795.24 796.5	611-0	/98:19
Jerry [2] - 712:14	knowledge 131 -	796.8 799.18	014.9	locations [1] - 723:16
Jim [1] - 658:11	609:14. 692:8. 713:5	leakage 121 - 700:5	638-10 658-10	IOCKERS [1] - 735:21
job [13] - 571:15,	known (3) - 569:5.	Jounugo [2] - 700.0,	030.19,000.19,	iog [1] - 708:3
				· · · · · · · · · · · · · · · · · · ·

		-	1	T
logged (1) - 768'24	Manager (3) - 672:10.	materials [3] - 780:23.	messages [1] - 685:2	730:15, 730:17,
loso (1) - 681:20	672.12 674.17	780.24	messing [1] - 610:6	730:23, 730:24,
	managing 121 -	matter (2) - 642.10	metal (1) - 576'5	731:12, 731:16,
1055 [1] - 001.23	677:19 694:0A	647.5	meters 121 - 577:13	733:10, 733:13.
Ioud [1] - 001:21	077.10,004.24	047.3		733.15 738.23
low [1] - 590:25	mandatory [1] -	max [5] - 617.10,	metriod [21] - 565.8,	738.25 739.2
LTE [2] - 681:16,	697:24	649:6, 649:9,	621:24, 622:4,	730:12 730:15
682:8	maneuver [1] - 595:11	650:20, 779:17	626:1, 632:8, 677:4,	739.12, 739.13,
lunch [5] - 568:1,	manner [3] - 731:19,	McKeesport [1] -	690:9, 710:24,	739.24, 740.14,
669:14, 669:15,	749:5, 749:8	704:4	712:18, 717:9,	742:23, 743:3,
669:23, 670:7	manual [77] - 623:13,	MD [1] - 737:6	720:12, 720:16,	749:13, 749:15,
Luther (1) - 662:22	623:14, 623:15,	mean [1] - 582:19	720:19, 726:3,	749:17, 749:20,
	623:18, 623:21,	means [7] - 565:12,	730:13, 750:15,	750:3, 750:6,
M	623:25, 624:3,	606:10, 663:21,	750:17, 750:25,	750:13, 750:15,
141	624:6, 624:9,	666:20, 762:19,	751:5, 790:11, 796:7	750:18, 750:22,
machine [8] - 575:12,	624:19, 624:25,	776:11, 794:25	Method [150] - 565:8,	751:3, 751:11,
605:17, 645:5,	625:3 625:16	meant (1) - 606:16	565:10, 565:13,	751:16, 754:4,
645:8, 713:11,	626.9 626.23	measure (1) - 660'2	565:21, 566:3.	754:7, 754:11,
713:20, 714:8,	627.6 627.13	measure [1] = 000.2	594.10, 594.12	754:14, 754:17,
714:11	627:16 629:6	etero	601:23 602:7	755:9, 756:7,
machinery (8) -	027.10,020.0,	010.22	602:9 602:11	756:11, 756:15,
576:16 586:8	020:24, 032:9,	measurements [1] -	602.0, 002.11,	756:17.756:20.
662.22 762.24	633:14, 639:18,	729:11	002.12,000.7,	767:16 767:18
762.25 763.3 763.7	639:20, 639:25,	measurements [1] -	608:10, 608:21,	767:19 767:22
TOZ.20, TOD.0, TOD.1	640:4, 640:6,	765:19	614:8, 616:23,	780.2 783.9
man [17] - 000.0,	640:12, 645:20,	measures [1] - 743:24	616:24, 621:11,	783:11 700:13
500.8, 665.11,	650:12, 652:15,	measuring [2] - 702:1,	621:20, 621:22,	703.11, 730.13,
688:20, 688:24,	655:16, 657:8,	716:4	621:23, 622:1,	791.10, 795.22,
688:25, 689:2,	659:10, 663:16,	meet [2] - 567:21,	622:6, 622:9,	795.25, 796.12,
693:4, 693:6,	667:23, 668:4,	730:25	622:11, 622:23,	798:15
693:24, 694:9,	668:8, 677:17,	MELISSA (1) - 723:1	623:11, 623:18,	methods [14] - 620:18,
694:16, 695:21,	678:11, 684:23,	Melissa (2) - 592:15	625:24, 626:4,	620:23, 621:8,
696:4, 696:11,	699:10, 699:11,	722.25	630:22, 630:24,	621:11, 622:13,
696:12	699:13, 717:18,	molieea (1) - 723-8	632:10, 632:13,	622:19, 705:25,
mails [3] - 685:2,	717:20, 722:4,	member 71 565:23	650:21, 650:24,	726:5, 733:19,
695:1	722:9, 722:12,	EGE:24 EGE:25	651:2, 673:15,	739:9, 749:1, 749:4,
main [4] - 593:15,	726:11, 726:14.	505.24, 505.25,	673:17, 675:12,	750:9, 750:13
593:17, 654:4	739:4, 739:7.	592.5, 592.7, 691.6,	676:18, 677:4,	meticulous [1] - 597:7
maintain [3] - 586:18,	739:10, 752:17,	712:18	677:12, 697:12,	mid [1] - 617:5
724:11, 731:6	752.25 753.3	members [8] - 565:16,	697:21, 697:22,	mid-morning [1] -
maintaining [1] -	753:7.753:11	565:17, 565:20,	698:1, 698:4, 698:7,	617:5
586:24	753:15 753:24	711:17, 712:5,	704:22, 704:24.	middle [5] - 611:24,
maintenance (10) -	753:25 754:17	712:12, 712:13,	705:1 705:9	654:10, 694:8.
584.13 584.16	755-11 757-12	731:1	705:22 708:24	703:19, 776:5
584.10 585.25	755.11, 757.12,	mention [3] - 571:11,	710:15 710:18	midnight (6) - 678:1
586.2 586.3 586.4	701.10, 701.23,	573:19, 676:12	710:23 711:4	709.19 732.4
586.7 586.13	771.11,770.0,	mentioned [29] -	711:16 715:6	732.6 732.7 736.3
500.7, 500.15,	781:4, 781:0, 788:1,	569:2, 569:8,	711.10, 715.0,	midnighte (4) 721:6
000.14	788:2, 791:1,	569:13, 571:11,	710.7,717.0,	
major [1] - 6/3:8	796:10, 800:22,	573:22, 575:7,	717:11, 717:12,	mignt [9] - 601:1,
makeup [1] - 570:2	800:24	580:2, 590:14,	717:23, 719:16,	601:9, 639:21,
man [2] - 570:14,	manually [1] - 747:12	592:5, 598:1, 601:6,	719:23, 719:25,	646:20, 647:8,
581:12	March [3] - 614:4,	639.2 643.3 659.8	720:8, 720:13,	655:22, 696:12,
тападе [3] - 683:16,	769:22, 782:17	660:6 660:18	722:14, 722:16,	741:4, 775:3
695:8, 695:11	MARK [1] - 728:21	663:18 664:9	723:13, 723:19,	Mike [2] - 570:9, 572:9
managed [2] - 670:24,	mark [1] - 561:10	664:21 665:17	724:1, 724:5, 724:7,	minimum [1] - 626:25
689:8	Mark [3] - 710:11.	669.17 677.14	724:17, 725:24,	minute [14] - 636:9,
management [1] -	728:20 729:2	000.17,077.14,	725:25, 726:16,	636:12, 636:14,
688:3	marked (1) - 606-15	082:7, 084:10,	726:18, 729:6,	637:6, 637:13.
manager 171 - 573-22	maetor (1) - 697-16	692:15, 698:9,	729:9, 729:18,	646:25. 647:2.
616:15 674:21	material (2) - 007.10	713:17, 726:24,	729:20, 729:22.	647.10 648.24
674.23 600.7	material [4] - 5/6:4,	781:24	729:25. 730:6	651:16 651:20
721.14 721.15	5/6:12, 5/8:24,	mentioning [2] -	730.10, 730.13	664:15 671:14
721.14,721.15	781:11	573:23, 735:4		004.10, 071.14,

		T		
770:14	moves [1] - 579:14	777:6, 777:8,	objection [7] - 617:16,	786:24, 787:4,
minutes [25] - 589:12,	moving [3] - 613:20,	777:10, 777:13	617:18, 671:9,	787:7, 790:9
589:16, 589:21,	630:15, 763:12	North [2] - 585:16,	693:23, 694:2,	observed [20] - 605:6,
589:24, 636:20,	multiple [1] - 690:18	705:18	696:22, 696:25	605:20, 606:2,
636:23, 636:25,	multitask [1] - 592:2	notation [1] - 612:3	Observation [1] -	606:3, 606:6,
637:2, 647:12,	must [1] - 799:2	note [11] - 590:10,	662:11	606:13, 606:17,
647:15, 649:2,	1	597:4, 605:2, 605:7,	observation [40] -	608:11, 627:23,
651:4, 651:10,	N	605:14, 605:24,	593:20, 601:22,	634:5, 634:7,
664:10, 664:14,	040.0	612:11, 617:10,	605:7, 605:15,	642:15, 662:14,
664:22, 664:23,	naked [1] - 618:8	647:2, 671:11,	608:7, 608:9,	663:23, 687:7,
670:2, 718:17,	name [24] - 561:23,	688:20	608:14, 609:6,	711:19, 757:4,
757:7, 769:23,	562:1, 564:12,	noted (9) - 605:15,	609:11, 609:13,	757:8, 782:23, 787:1
770:1, 770:18,	586:21, 592:14,	607:25, 636:2,	612:16, 614:4,	observer [13] - 627:7,
770:22, 782:24	592:15, 596:1,	636:3, 681:9,	614:13, 626:24,	662:19, 663:1,
miscellaneous [5] -	607:24, 647:23,	767:10, 769:3, 796:5	643:10, 646:8,	724:5, 724:8,
638:10, 639:10,	658:10, 672:4,	notes [2] - 682:2,	648:9, 648:20,	724:17, 729:23,
772:6, 772:12,	680:11, 703:17,	682:6	651:24, 652:11,	730:17, 737:1,
773:24	703:19, 703:20,	nothing [9] - 590:17,	652:23, 681:8,	737:4, 749:13,
missing [3] - 608:19,	703:21, 712:16,	618:24, 639:8,	749:11, 777:21,	749:18, 750:18
608:20, 689:4	719:8, 723:7, 729:1,	652:8, 669:8,	780:5, 781:7,	observer's [2] -
mistake [2] - 700:11,	737:1, 741:19,	680:24, 703:2,	782:11, 782:14,	662:20, 791:11
700:19	775:14	740:24, 774:15	782:19, 783:15,	observing [16] -
mistakes [2] - 690:5,	names [3] - 564:11,	noticed [6] - 573:13,	783:22, 783:25,	606:20, 615:7,
691:21	572:5, 585:11	587:24, 587:25,	784:5, 785:2, 785:6,	622:1, 643:3,
mix [2] - 708:16,	nasty [4] - 570:15,	589:2, 589:8, 702:7	789:9, 790:6, 790:8,	646:11, 654:9,
708:17	570:21, 570:23	notified [2] - 687:22,	790:12, 792:22	710:15, 710:16,
modifications [1] -	nature [1] - 662:24	688:5	observations [57] -	713:15, 731:17,
745:25	near [2] - 587:13,	noting [4] - 613:1,	563:25, 564:6,	751:1, 751:5, 751:9,
modified [3] - 684:25,	603:24	615:6, 632:5	576:22, 593:8,	767:2, 780:21, 796:1
756:7, 757:16	nearly [1] - 690:16	November [3] - 675:8,	593:9, 593:10,	obstructed [6] -
moment [4] - 569:24,	negative [7] - 653:10,	724:9, 724:15	596:8, 601:18,	662:1, 662:21,
603:7, 670:14, 693:9	653:12, 707:5,	nowadays [1] - 761:8	601:20, 602:9,	662:24, 663:1,
momentarily [1] -	708:19, 709:7,	nowhere [1] - 763:2	602:12, 602:15,	663:8, 663:11
662:21	711:4, 712:20	number [22] - 575:25,	605:1, 605:9,	obstruction [2] -
momentary [1] -	NESHAP [4] - 623:4,	587:16, 596:1,	605:12, 608:17,	662:24, 743:12
783:17	623:8, 700:4, 751:20	603:3, 603:4,	609:17, 610:21,	occasion [8] - 584:13,
Monday [1] - 710:5	network [1] - 682:13	603:19, 614:9,	611:9, 612:7, 614:7,	596:21, 624:15,
Monessen [10] -	newer [1] - 781:8	616:10, 620:12,	622:24, 651:12,	628:20, 630:17,
676:13, 676:15,	NF [2] - 614:11,	628:17, 628:18,	651:15, 652:20,	681:12, 683:6, 797:8
690:25, 705:10,	614:14	634:19, 634:22,	660:19, 662:25,	occasionally [2] -
723:18, 726:25,	nobody [3] - 584:11,	638:1, 638:2, 648:9,	665:23, 675:12,	618:11, 679:6
727:2, 727:5, 727:6	757:20, 779:24	651:22, 663:5,	677:10, 677:15,	occasions [4] -
monitor [1] - 596:16	non-combusted [4] -	686:9, 734:19,	685:25, 688:1,	609:24, 733:24,
monitoring [1] - 597:2	647:4, 649:5, 649:8,	735:5, 744:22	688:10, 696:17,	793:24, 798:14
month [9] - 568:23,	650:20	numbered [4] -	720:8, 720:10,	occupation [1] - 672:7
595:25, 600:11,	non-observation [2] -	603:15, 603:16,	732:17, 736:24,	occur [1] - 582:5
600:12, 615:14,	605:7, 605:15	621:15, 631:8	738:5, 739:1,	occurred [9] - 582:21,
615:21, 687:15,	non-observations [2]	numbers [3] - 610:5,	744:10, 749:5,	648:5, 679:6,
748:4	- 605:9, 605:12	648:13, 788:21	750:7, 750:23,	686:18, 686:22,
monthly [5] - 683:17.	non-observed [3] -	numerator [1] -	752:2, 752:5,	687:12, 687:19,
688:4. 693:12.	605:6, 606:3, 606:6	663:11	753:24, 778:23,	783:6, 800:9
700:1, 732:24	none [7] - 624:1,		//9:4, /83:12,	occurring [2] -
months [2] - 711:24.	624:4, 653:7, 665:6,	0	/84:8, /92:14,	643:13, 790:6
723:21	665:9, 665:13,	alalashun 500.5	/92:15, /92:1/,	October [6] - 644:20,
morning [3] - 617:5.	665:25	O'CIOCK [4] - 568:5,	/92:19, /92:20	675:10, 717:14,
672:1, 794:2	nonetheless [1] -	568:13, 707:16,	observe [14] - 605:18,	721:24, 726:8,
mostly [1] - 685:19	799:2	/0/:21	605:24, 615:4,	736:22
moved [4] - 576:8.	normally [2] - 687:3,	U-R-S-K-Y [1] - /29:3	616:11, 628:2,	OF [1] - 561:1
576:16, 592:20.	732:18	oath [2] - /1/:15,	642:17, 645:1,	off-the-record [1] -
707:2	north [5] - 675:23,	/21:25	000:1, 003:7, 781:7,	671:17
1997 - 1997 - 1997 - 199	· · · · · · · · · · · · · · · · · · ·	object [1] - 6/5:1		

Offered (1) - 560:2	742:25, 743:2.	outage [1] - 567:11	Р	598:5, 601:4,
offering (1) - 673:15	743:10, 743:23.	output [1] - 692:4	F	622:17, 748:24
offhand (1) - 727:23	744:4, 744:12,	outside (5) - 571:3.	p.m [5] - 670:11,	passed [1] - 599:1
official (1) - 683:13	744:15, 744:17,	571:6, 571:9, 596:2,	718:21, 718:22,	past [10] - 587:11,
offtake [10] - 593:12	744:20, 744:23,	769:1	741:8, 741:9	616:16, 665:2,
593.13 593.14	745:1, 745:3, 745:6,	Oven [3] - 767:5,	packet [1] - 603:1	686:19, 758:10,
655.8 656:21	749:21, 750:1,	767:6, 783:18	pages [3] - 590:16,	758:11, 794:12,
657:1 657:10	750:4, 751:3,	oven [71] - 564:23,	590:17, 603:15	794:14, 800:13,
734.19, 738.9, 788.3	751:12, 760:22,	565:1, 565:19,	panel [16] - 565:16,	800:15
offtakes (21) - 593:16.	764:12, 764:15,	570:24, 570:25,	565:17, 565:20,	pattern [1] - 712:1
593:18, 595:14,	764:17, 764:22,	583:6, 583:7, 583:8,	565:23, 565:24,	pay [2] - 588:24, 680:1
619:15, 653:24,	767:10, 767:13,	583:9, 583:10,	565:25, 592:5,	payday [1] - 600:9
654:10, 655:5,	767:15, 767:17,	586:12, 586:15,	592:7, 691:8,	paying [1] - 740:8
655:18, 656:10,	767:18, 768:8,	593:22, 593:24,	711:17, 712:5,	PDF [1] · 696:9
656:13, 656:18,	768:9, 768:13,	594:3, 594:6, 594:8,	712:12, 712:13,	PEC [1] - 790:5
677:8, 711:12,	768:23, 769:19,	594:24, 608:2,	/12:17, /31:1	penalty [1] - 693:20
711:13, 712:10,	779:14, 779:17,	612:24, 634:3,	paper [5] - 649:15,	Pennsylvania [4] -
721:1, 724:21,	779:19, 779:21,	634:19, 634:21,	670:25, 734:14,	562:8, 676:13,
738:7, 738:21,	780:1, 783:8,	634:24, 635:8,	/40:10, /40:14	704:5, 705:11
787:7, 787:12	783:19, 783:21,	635:14, 635:19,	papers [1] - 786:14	people [2] - 589:3,
old [1] - 563:6	794:1, 798:7, 798:9,	635:21, 638:19,	paperwork [5] - 606:4,	663:23
on-battery [1] -	798:10, 798:15,	638:20, 639:1,	651:3, 679:3, 679:4,	per [9] - 571:19,
730:25	799:14, 799:18	639:4, 648:9,	/ 30:19	615:14, 633:14,
on-the-job [1] -	opaque [1] - 662:23	648:13, 651:17,	paragraph [4] - 002.7,	691:3, 709:12,
754:23	open [9] - 575:12,	651:19, 662:1,	757.0	709:13, 727:8, 740:9
one-hour [3] - 790:7,	581:18, 581:20,	663:4, 663:11,	101.2	percent [20] - 645:24,
790:14, 791:2	582:10, 583:13,	667:15, 730:8,	563-12	645:25, 646:2,
onset [1] - 692:12	583:15, 788:18,	/41:25, /42:4,	PARKER 121 - 603-19	661:24, 669:1,
onsite [2] - 563:7,	/9/.0, /9/.9	742.7, 747.21,	603·24	/16:5, /43:8, /43:9,
563:10	openea [5] - 562.24,	752:13, 750:0,	nart (27) - 576:21	743:10, 743:11,
opacity [112] - 618:11,	715.22 715.21,	759.20, 765.23,	578:18, 578:23.	743:12, 743:14,
618:13, 618:15,	opening (4) - 576:15	771.17 771.19	579:7. 580:8. 583:7.	743.10, 743.10,
618:16, 618:17,	576.17 648.19	772.3 774.14	592:22, 594:7,	771.8 781.16
618:20, 619:20,	782.22	776:16, 780:14.	595:7, 601:16,	787.10
619:25, 622:1,	openings (1) - 578:10	780:15, 780:17,	638:15, 639:17,	percentage [7] -
626:10, 630:19,	operate [1] - 574:4	780:19, 781:23,	640:8, 649:18,	618·14 637:3
631.23, 631.25,	operates (1) - 582:4	782:2, 782:3, 782:6,	650:9, 651:5,	637:5. 661:18.
632.10 632.13	operating [1] - 661:24	783:25, 784:3,	660:11, 660:16,	711:21, 743:7,
632.16 632.19	operation [4] - 584:14,	784:6, 795:1, 797:16	686:14, 686:15,	760:18
632.23 632.24	584:16, 674:21,	ovens [22] - 583:10,	690:14, 702:4,	percentages [1] -
633:4, 633:8, 634:6.	692:11	605:20, 613:1,	771:2, 771:7,	688:16
634:8, 634:10.	operations [3] -	613:2, 613:16,	773:24, 776:9, 782:8	Peresie [3] - 646:21,
634:16, 634:18,	567:19, 674:14,	635:16, 635:22,	participate [1] -	647:18, 658:11
636:6, 636:12,	733:7	635:23, 638:23,	592:24	performed [1] -
636:17, 637:4	opinion [1] - 716:6	647:13, 661:24,	participated [1] -	607:13
637:8, 637:11,	opportunity [2] -	663:25, 708:13,	597:2	performing [1] - 593:7
637:19, 637:24,	670:20, 799:20	711:10, 727:8,	particulates [1] -	period [16] - 586:16,
638:5, 641:20,	opposed [2] - 740:18,	727:14, 727:22,	/15:5	586:19, 590:8,
641:23, 642:1,	752:21	788:10, 788:17,	parties [4] - 692:5,	590:18, 616:6,
642:9, 649:6, 649:8,	or [5] - 572:5, 677:1,	788:22, 795:17,	090.14, 090.15, 744.4	662:15, 665:17,
649:11, 650:2,	681:14, 709:10,	/95:20 Overage 705:5	141.4 parte (6) 596.6	675:5, 678:24,
650:5, 650:13,	793:17	Uvens [1] - /65:5	parts [6] - 500:0,	689:5, 732:6,
650:21, 651:25,	orientation [1] -	overall [1] - 760:17	638-25 720-19	732:14, 754:25,
652:3, 659:18,	731:15	overiap [1] - 591:3	729:14	758:8, 790:7, 800:5
659:21, 659:22,	OSHA [1] - 723:23	overnight [2] - 568:8,	narty 141 - 502.0	periodically [3] -
660:2, 666:7,	otherwise [1] - 569:5	/09:21	592·19 691·1	624:11, 624:14,
666:21, 711:21,	ourselves [1] - 777:8	Oversaw [1] - 592:10	691.22	624:16
/15:3, /15:4, /16:5,	out-of-service [2] -	Oversee [1] - 001.7	pass (5) - 597:20	
130.23, 142.23,	605:20, 708:13		[/00:15, /00:20,

766:25, 767:7	681:21, 706:16,	789:9, 791:11	664:1, 664:2,	PS [2] - 611:1, 648:16
permit [1] - 708:12	720:4, 720:8, 721:3,	positioned [1] - 769:7	664:12, 690:9,	puffy [1] - 580:13
person [14] - 571:17.	731:24, 735:14,	possible [1] - 574:12	730:13, 747:20,	pulled [1] - 778:16
571:19, 571:20,	736:12, 742:8,	possibly [2] - 574:17,	759:6, 771:2, 771:3,	purchased [1] -
571:24, 599:5,	742:13, 742:15	800:10	771:4, 771:5, 771:7,	587:10
678:19, 680:19,	plants [1] - 675:24	posted [1] - 732:24	771:9, 787:20,	purely [1] - 673:23
706:21, 706:25,	plastic [1] - 576:4	potential [2] - 561:14,	787:24, 797:17	purpose [12] - 594:2,
792:24, 792:25,	platform [1] - 772:4	686:2	procedures [6] -	648:22, 689:17,
794:8, 794:9, 794:10	plug [1] - 680:24	PPE [3] - 569:5, 569:7,	623:19, 624:17,	689:21, 731:18,
personal [6] - 567:1,	plugged [1] - 682:15	708:2	624:20, 657:19,	758:20, 770:25,
569:2, 569:7,	plume [19] - 618:18.	practicum [2] - 563:2,	657:20, 697:22	788:15, 789:3,
606:18, 707:12,	642:14. 643:1.	563:8	proceed [2] - 591:12,	789:12, 790:8, 791:
708:21	653:1, 653:9.	preference [1] -	792:10	purposes [2] - 647:16
personnel (14) -	659:19, 659:23,	708:21	PROCEEDINGS [1] -	701:22
571:22, 571:23.	660:1, 711:20.	nreliminary (1) - 685:5	561:1	pursuant [2] - 738:23
572:1. 572:8.	743:1, 743:4, 743:5,	prepackaged [1] -	process [23] - 579:17,	743:2
581:13, 584:5.	743:15, 743:17.	747:19	591:20, 594:7,	pursuing [1] - 675:18
584:7, 584:9.	743:19, 769:18.	prepared [2] - 746:3	594:24, 598:1,	push [21] - 573:20,
607:25, 608:1.	785:5, 785:19	746:4	606:9, 664:9, 679:9,	573:22, 578:11,
609:8, 610:15.	plumes (2) - 662:23.	preprinted (11 - 746:5	679:13, 679:14,	582:5, 605:21,
611:18, 614:6	711:19	prerequisites [1] -	679:15, 679:18,	611:23, 612:19,
personnels (1) - 572:4	PM [2] - 596:13.	690:13	680:7, 690:1, 695:9,	630:8, 630:15,
persons [1] - 657:21	679:22	present (3) - 686-25	695:16, 702:4,	633:18, 633:21,
perspective [4] -	PM10 (31 - 596:4	688.15 718.12	741:25, 742:4,	647:13, 648:17,
677.19 680.2	596.14 643.8	presentation [1] -	742:7, 747:21,	654:11, 654:19,
690.24 691.19	PM2 5 (1) - 596 13	688·3	759:20, 780:4	655:1, 655:4,
nertinent (1) - 567:11	nointing (1) - 666:16	presented (4) - 604.7	processing [2] -	740:18, 763:13,
nhonetic (4) - 566:15	nonulated (11 - 678:13	665.23 601.12	564:23, 565:1	769:21, 777:11
592.13 600.4 607.3	nonulates (3) - 678:5	703.8	produced [2] - 590:6,	Push [1] - 612:21
nhysically 111 - 720:3	680.11 683.3	presenting (1)	590:22	push-side [1] - 655:4
nick (8) - 617'8 698'3	nort (2) - 744:7	686·24	product [1] - 582:9	pushed [9] - 579:17,
720.18 725.6	780.12	procents /11 - 685.14	Program's [1] - 614:3	579:21, 580:14,
725.9 733.18	Port (5) - 677:21	Prosident (1) - 672.9	project [5] - 674:7,	582:6, 582:25,
798.19	680.6 683.13	president (1) - 072.5	674:21, 674:23,	608:3, 664:16,
nicked 11 - 711.7	687:14 600:21	president[1]=074.10	690:6, 723:23	784:3, 784:6
picker (1) - 7 11.7	007.14, 090.21	ρreπy [9] - 5/1:14,	properly [2] - 621:6,	pusher [13] - 593:18,
picker [1] - 070.0	677.20 678.10	020.0, 004.13,	702:14	611:2, 612:2,
eee.10	690.10 690.23	0/2:4, /03:1/,	proposition [1] -	612:23, 638:19,
000.19 Dioco.00 628:20	681.2 687.14 696.3	734:9, 744.7,	587:18	654:5, 654:6,
762-7	001.2, 007.14, 090.3	/40:20, /40.0	protection [1] -	654:14, 654:24,
rus.r	662-18 727-2	previous [6] - 045:14,	706:16	711:12, 759:13,
663-18	Dorte (1) 670-12	040:10, 000:13,	Protection [3] -	783:6, 784:19
ning (41 - 792)2	norte (101 - 603-22	602:16	625:24, 756:6,	pushes [3] - 581:23.
Piper(4) 566-15	502-24 502-25	092.10	756:12	582:1, 582:20
riper [1] - 000:15	093:24, 093:20, 610:15 645:2	previously [2] -	protective [6] - 567:2.	pushing [15] - 567:17
piping [5] - 613:19,	019.10,040.3,	501:20, 670:17	567:5, 567:6, 569:3.	580:19, 593:9.
000:15, 000:19,	040:/, //0:10,	primarily [2] - 725:2,	569:7. 707:12	595:14, 607:20.
000:22, 057:9	701.01	/32:4	protocol (2) - 606-19	619:16, 620:3.
Pittsburgh [1] -	/81:21	principal [2] - 674:17,	616:9	643:20, 643:23.
/1/:14	position [26] - 563:9,	674:18	protocols (11 - 586-2	662:22, 666:23.
places [1] - 657:1	564:19, 564:21,	print [2] - 683:12,	provided (8) - 560:9	710:15, 711:9.
plan [1] - 689:19	504:24, 500:24,	684:14	683.10 699.12	711:10, 762:7
planning [1] - 741:5	087:17,008:5,	private [5] - 697:9,	700.7 735.17	puts [1] - 678:7
plant [26] - 567:8,	042:7, 042:12,	697:10, 698:16,	735.20 735.21	
596:8, 596:20,	000:7,000:12,	699:2, 701:6	745.17	0
607:22, 607:25,	678:1, 719:12,	proactive [3] - 573:18,	nrovides (2) - 680-10	<u> </u>
609:7, 609:8,	/19:15, /29:7,	574:7, 574:8	602·13	QAAP [2] - 689:3,
610:15, 611:17,	/54:21, /76:21,	procedure [22] -	providing (4) - 701-3	692:2
611:18, 614:4,	///:8, 777:15,	627:3, 639:17,		QAQC [3] - 679:9,
18 1700				A REAL PROPERTY AND A REAL
614:5, 625:20,	777:18, 777:21,	650:9, 663:2,	800.23	682:22, 690:3

r				
qualify [1] - 716:5	read [29] - 621:20,	recalled [1] - 670:16	773:17, 776:22,	667:23, 668:1,
quality [11] - 680:13,	622:9, 625:15,	receiving [1] - 729:25	784:13, 785:18,	668:5, 668:6,
689:3, 689:14,	627:23, 634:15,	recent [1] - 689:4	785:20, 785:22,	790:25, 796:11
689:19, 689:20,	650:2, 660:24,	recently [7] - 586:3,	786:7	regulations [4] -
689:23, 691:11,	661:6, 661:21,	586:21, 587:25,	recorded [10] -	640:18, 752:6,
692:4, 692:14,	662:13, 662:18,	588:2, 589:2,	633:17, 634:2,	752:8, 752:9
693:25, 702:5	667:8, 669:11,	758:16, 800:11	649:11, 651:21,	reissue [1] - 687:22
Quality [6] - 607:21,	687:2, 694:18,	recertification [1] -	651:22, 666:13,	relate [2] - 752:8,
609:7, 610:13,	694:22, 716:25,	731:9	677:15, 770:14,	759:4
611:16, 614:3, 756:8	756:14, 757:21,	recertified [3] -	785:2, 785:3	related [3] - 626:9,
quarter [8] - 568:25,	758:2, 758:5,	594:17, 594:19,	recording [14] -	626:18, 790:5
590:12, 671:3,	758:10, 758:13,	622:19	618:22, 678:8,	relates [2] - 626:14,
671:4, 671:5	779:14, 781:15,	recessed [5] - 591:10,	690:3, 714:20,	756:25
quarters [1] - 797:15	783:19, 783:21,	617:6, 670:10,	735:5, 770:25,	relation [1] - 758:19
quench [4] - 579:21,	794:17, 794:18	718:21, 741:8	785:4, 785:8,	relationship [1] -
579:25, 580:1,	reading [52] - 618:15,	recession [1] - 588:6	785:10, 785:12,	784:25
710:17	618:16, 630:20,	recognize [1] - 688:19	785:13, 788:6,	relayed [2] - 647:1,
quenched [2] -	632:6, 632:10,	recollecting [1] -	789:3, 789:12	649:25
579:15, 608:4	632:24, 633:4,	641:4	recross [1] - 666:2	reliable [1] - 749:8
quenching [1] - 586:8	634:18, 636:17,	recollection [4] -	RECROSS [2] - 666:4,	reliably [1] - 621:2
questioned [2] -	642:1, 642:8, 642:9,	647:14, 660:18,	668:15	remediation [1] -
688:6, 792:23	648:25, 649:3,	660:23, 661:11	RECROSS-	674:12
questions [14] -	651:19, 655:19,	reconvened [5] -	EXAMINATION [2] -	remembering [3] -
567:24, 592:4,	659:21, 666:8,	591:11, 617:7,	666:4, 668:15	639:23, 641:8,
607:2, 607:10,	701:25, 743:2,	670:11, 718:22,	rectangle [5] - 610:24,	656:17
617:3, 618:1, 666:1,	743:6, 743:10,	741:8	776:6, 776:9,	removed [1] - 788:9
667:17, 668:10,	743:11, 743:12,	record [76] - 561:2,	776:11,777:1	renewed [1] - 724:14
668:12, 717:15,	/44:12, /44:15,	561:6, 561:24,	rectangular [3] -	repair [1] - 587:6
722:19, 728:12,	745:6, 749:21,	573:21, 573:25,	610:19, 611:20,	repairs [1] - 587:10
739:20	749:23, 751:10,	596:20, 629:5,	/84:1/	repeat [5] - 609:15,
quick [2] - 589:25,	/ 50:1, / 50:15, 704:45, 764:47	629:20, 633:5,	redirect [4] - 658:24,	610:23, 672:11,
694:18	704.10, 704.17,	639:14, 641:4,	701:12, 728:13,	702:13, 734:23
quicker [2] - 684:20,	765:1 765:2 767:5	641:25, 642:5,	740:23	rephrase [1] - 615:10
684:21	763.1, 763.2, 707.3,	642:7, 642:11,	REDIRECT [4] - 009.2,	replaced [1] - 588:18
quickly [3] - 574:12,	760.10 770.10	642:14, 642:17,	701:14	report [14] - 596:19,
574:16, 580:14	770.21 780.1	642:20, 642:22,	701:14	597:10, 605:16,
quite [8] - 570:5,	783.1 785.16	642:25, 644:22,	reter [5] - 039.24,	609:14, 680:12,
572:4, 587:15,	785.19 790.14	645:9, 648:9, 650:3,	605.12 753.12	680:16, 681:9,
603:25, 656:14,	799.18 799.19	650:6, 652:22,	roforonco (1) - 625:23	681:10, 687:17,
664:12, 752:22,	readings (32) - 564:4.	652:25, 653:3,	referred (1) - 638:14	688:15, 693:13,
765:18	614.9 632:13	000.0, 000.0,	referring (6) - 587'3	093:14, 093:17,
	632:20, 633:8,	666 6 671 11	634.11 638.12	700.7
R	636:6, 637:8,	671.13, 671.16	685.9 768.18	
rail [3] - 579:17,	650:21, 651:1,	671:17 671:19	775:15	580·14
579:19	651:16, 651:20,	672:5.681:4	refers [2] - 688:22.	reporter (8) - 560-9
rails (1) - 586:9	651:21, 651:22,	703:18, 718:20.	757:15	561.15 671.23
raise [1] - 561:12	659:18, 666:18,	718:24, 719:8	refractory [11 - 795:4	703.11 710.4
ran [1] - 723:23	666:21, 715:3,	721:22. 723:7	refresh (1) - 660:22	723.2 728.22
random [1] - 652:18	727:25, 743:21,	725:18, 729:1.	reg (11 - 649.22	741.16
randomly [1] - 758:23	744:4, 744:17,	733:22, 733:23.	regarding [1] - 793:13	reporting (11 - 677:5
rating [1] - 618:13	750:4, 765:5,	734:18, 737:15,	regular (6) - 592:23.	reports (13) - 597.10
raw [3] - 570:24,	767:11, 767:13,	741:11, 741:20.	624:10. 624:12	597.12 597.15
570:25, 729:14	767:17, 767:18,	743:6, 760:2, 763:3,	624:13. 724:10.	598:12 606:20
re [1] - 663:7	767:23, 782:25,	763:7, 764:14,	747:4	617:15, 669:19.
re-observe [1] - 663:7	783:3, 783:8, 794:1	764:23, 765:1,	regulariy (1) - 715:9	681:24, 683:19.
reach [2] - 569:15,	real-time [2] - 695:17,	768:22, 768:25,	regulated [3] - 569:15.	687:22, 688:4.
607:10	696:16	769:6, 769:9,	570:11. 570:13	693:12, 698:20
reached [1] - 689:6	reasoning [2] - 615:2,	769:12, 769:14,	regulation IBI -	represent (13) - 737:8
react [1] - 574:11	615:17	769:18, 771:10,	569:17. 640:11.	767:14, 771:21.
		,	,	

772.6, 772-12, 772.13, 773.14, 774.25, 775.14, 774.25, 775.14, 664.25, 665.4, 665.14, 674.9, 774.25, 775.14, 674.15, 674.25, 674.15, 674.25, 774.25, 775.14, 674.15, 674.25, 674.15, 674.25, 774.25, 775.14, 674.15, 674.25, 674.15, 674.25, 776.25, 678.6, 686.23, 665.14, 674.9, 665.14, 674.9, 674.15, 674.25, 776.14, 674.9, 674.15, 674.25, 676.15, 676.15, 676.25, 678.6, 689.23, 702.8, 696.17, 780.15, 796.24, 770.15, 676.14, 686.51, 689.23, 702.8, 689.24, 700.15, 776.14, 776.14, 696.14, 686.51, 689.24, 700.15, 776.14, 776.14, 696.14, 686.11, 696.14, 686.11, 696.12, 776.1, 776.14, 776.25, 776.14, 776.27, 786.16, 686.21, 670.17, 780.17, 786.17, 776.14, 776.14, 776.24, 776.14, 776.24, 776.24, 667.24, 667.24, 666.24, 667.24, 666.24, 667.24		1	I			
772:13, 773:16, 665:12, 665:14, right-hand(n-f) 732:24, 733:3, 662:14 774:4, 774.5, 665:16, 665:2, 664:23, 633:8 795:22, 799:23 662:14, 674:25, 772:20, 777:21, 674:15, 674:25, 669:17, 700:16, 570:25, 669:17, 700:16, 570:25, 669:17, 700:16, 570:25, 669:17, 700:16, 560:21, 680:36, 666:9, 567:12, 577:14, 676:12, 607:23, 669:14, 700:14, 570:11, 669:17, 700:16, 560:21, 669:23, 606:2, 669:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 770:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 670:3, 660:24, 770:3, 667:24, 670:3, 667:24, 670:3, 667:24, 670:3, 667:24, 670:3, 667:24, 670:3, 667:24, 670:3, 667:24, 670:3, 667:24, 670:3, 667:24, 670:3, 667:24, 670:3, 667:24, 670:3, 667:24, 670:3, 667:24, 670:3, 667:24, 670:3, 667:24, 670:3, 667:24, 670:3, 667:2	772:6, 772:12,	664:25, 665:4,	ride [1] - 587:11	725:16, 731:25,	sequenced [1] -	
774/25, 77614, 774/25, 77614, 67712 665:19, 665:22, 674:25, 77614, 674:25, 77614, 676:12 604:23, 636:8 576:10, 577:10, 676:14, 577:14, 676:14, 577:14, 677:14, 577:14, 676:14, 577:14, 577:14, 676:14, 577:14, 577:14, 676:14, 577:14, 577:14, 676:14, 577:14, 577:14, 676:14, 577:14, 577:14, 677:14, 577:14, 577:14, 676:14, 577:14, 577:14, 577:14, 676:14, 577:14, 577:14, 577:14, 577:14, 677:14, 577:14	772:13, 773:18,	665:12, 665:14,	right-hand [2] -	732:24, 733:3,	662:14	
77426, 777:14, 674:1, 674.9, risk (1) - 570:25 scheduled (1) - 721:9 563:17 77620, 777.12 674:15, 674.25, risk (1) - 570:10, sequentially (1) - sequentially (1) - 767:20, 777.12 666:17, 700:16 668:23, 702:8, roof (1) - 570:10, 562:10, 562:13, 562:11, 562:13, 562:11, 562:13, 562:11, 562:13, 562:11, 562:13, 562:11, 562:13, 562:11, 562:13, 562:11, 562:13, 562:11, 562:13, 562:11, 562:13, 562:11, 562:13, 562:11, 562:13, 562:11, 562:13, 562:11, 562:13, 562:11, 562:13, 562:11, 562:13, 562:11, 562:13, 562:11, 562:13,	774:4, 774:6,	665:19, 665:22,	604:23, 638:8	799:22, 799:23	sequential [1] -	
T75:20, 777.2 674.15, 674.25, 674.25, 771.11 Scheetz [s] - 572.11, 766.4 766.4 671:2 666.5, 686.8, 686.9, 686.9, 686.9, 686.9, 686.9, 686.9, 701 [s] - 570.10, 652.13, 576.8, 577.10, 570.17, 570.13, 576.4, 577.18, 570.2, 577.18, 570.2, 577.18, 570.2, 577.18, 570.2, 577.18, 570.2, 577.18, 570.2, 577.18, 577.2, 777.18, 577.2, 777.13, 577.4, 733.2, 737.14, 577.2, 737.13, 577.4, 733.2, 737.14, 577.2, 737.13, 577.4, 733.2, 737.14, 576.8, 577.1, 576.2, 577.1, 577.1, 576.2, 577.1, 577.1, 576.2, 577.1, 576.2, 577.1, 577.2, 777.1, 577.1, 570.2, 577.4, 575.3, 577.4, 575.3, 576.4, 777.1, 570.2, 776.3, 577.4, 575.3, 577.4, 575.3, 576.4, 777.1, 570.2, 776.3, 577.4, 575.3, 577.4, 575.3, 577.4, 575.3, 577.4, 575.3, 577.4, 575.3, 577.4, 575.3, 577.4, 575.3, 577.4, 575.3, 577.4, 577.3,	774:25, 776:14,	674:1, 674:9,	risk [1] - 570:25	scheduled [1] - 721:9	603:17	
representation (i) - 6712 6752, 68123, 68617, 70015 roll (i) - 67512, 57614 69412, 69414, 68617, 6001 (ii) - 5522, 167223, 7024, 57015, 57614 roll (ii) - 57512, 57614 roll (iii) - 57514, 57614 <thref{red} (iii)="" -<br="">57514, 57614 <th roll<="" td=""><td>776:20, 777:2</td><td>674:15, 674:25,</td><td>river [1] - 777:11</td><td>Scheetz [3] - 572:11,</td><td>sequentially [1] -</td></th></thref{red}>	<td>776:20, 777:2</td> <td>674:15, 674:25,</td> <td>river [1] - 777:11</td> <td>Scheetz [3] - 572:11,</td> <td>sequentially [1] -</td>	776:20, 777:2	674:15, 674:25,	river [1] - 777:11	Scheetz [3] - 572:11,	sequentially [1] -
6712 686:5, 686:9, representatives p:- 689:17, 780:15 579:12, 579:14, rodpi:e55, 578:6, 570:15, 578:6, 570:15, 578:6, 570:15, 578:6, 570:15, 578:6, 570:15, 770:12, 583:11 503:19, 593:15, 503:19, 593:15, 503:19, 593:15, 503:19, 593:15, 503:19, 593:15, 503:19, 593:15, 505:22, 504:3, 504:14, 664:16, 501:2, 691:4, 504:14, 664:16, 501:2, 691:4, 500:14, 502:11, 500:14, 500:14, 500:12, 691:4, 500:14, 500:14, 500:12, 691:4, 500:12, 500:24, 570:11, 570:13, 570:14, 570:14, 570:14, 570:14, 577:14, 783:2 577:14, 570:2, 577:14, 570:14, 577:14, 577:14, 577:14, 577:1	representation [1] -	675:2, 681:23,	roll [4] - 579:10,	694:12, 694:14	766:4	
representative p:- 668:17, 708:15 686:18, 686:19, 668:17, 708:15 668:17, 708:15, 712:24, 740:15, 712:24, 740:15, 712:24, 740:15, 7119, 774:12 662:10, 682:13, 708:11, 708:12, 708:18, 808:20, 693:10, 748:24 652:10, 682:13, 693:10, 748:10, 693:10, 748:24 650:10, 682:13, 693:10, 748:10, 693:10, 748:24 650:10, 682:13, 693:10, 748:10, 693:10, 748:24 650:10, 682:13, 693:10, 682:14, 693:10, 748:24 650:10, 682:14, 693:10, 748:24 650:10, 682:14, 693:10, 748:10, 693:10, 748:10, 693:10, 748:14 650:10, 748:12, 7048; 708:11, 600:13, 693:10, 748:14 650:10, 682:13, 693:10, 748:14 650:10, 682:14, 693:10, 748:14 650:10, 682:14, 693:10, 748:14 650:10, 682:14, 693:10, 748:14 650:10, 693:10, 748:14 650:10, 693:10, 748:14 650:10, 693:10, 748:14 650:10, 708:12, 778:14 650:10, 708:12, 778:14 650:10, 708:12, 778:14 650:10, 708:12, 778:14 650:10, 708:12, 778:14, 778:14 650:10, 778:14, 778:14 650:10, 778:14, 778:14, 778:14, 778:14, 778:14, 778:14, 778:14, 778:20, 778:14, 778:16, 778:14, 778:10, 778:14, 778:10, 7789:14,	671:2	686:5, 686:9,	579:12, 579:14	school [10] - 562:8,	series [3] - 583:8,	
cbs:17, 780:15 680:23, 7028, 791:18, 794:12, 791:18, 794:12, 791:18, 800:20 crough (w) = 642.7, 661:12, 664:16, 704:18, 704:10, 704:12 c7225, 704.3, 704:18, 704:10, 704:12 c9522, 6002, 60572, 6074, 704:12, 704:12, 704:12 c9522, 6002, 60572, 6074, 704:12, 704:12, 704:12 c9522, 6002, 60572, 6074, 704:12, 704:12, 704:12 c9522, 6002, 60572, 6074, 704:12, 704:12, 704:12 c9522, 6002, 60572, 6074, 600:12, 6014, 72272, 704:12 c9522, 6002, 60572, 6074, 600:12, 6071, 7021, 704:12 c9522, 6002, 600:12, 6014, 72723, 600:12, 6071, 7021, 703:13, 7032, 703:15, 7032, 703:15, 7032, 703:15, 7032, 703:15, 7032, 703:15, 7032, 703:15, 7032, 703:16, 7037, 703:16, 7037, 703:16, 7037, 703:16, 7037, 703:16, 7037, 703:17, 7032, 703:17, 703, 703:17, 703, 703, 703, 7033, 703, 703, 703, 703, 703, 7033, 703, 703, 703, 703	representative [2] -	686:18, 686:19,	roof [2] - 578:5, 578:6	562:10, 562:13,	583:9, 593:15	
representatives rg - 712:24, 74015, 672:35, 704:3, 672:35, 704:3, 605:22, 606:2, 63:11 791:19, 794:12, 791:19, 794:12, 664:16, 691:2, 691:4, 727:23, 704:8, 704:10, 706:72, 670:3, 606:7, 664:16, 691:2, 691:4, 727:23, 704:8, 704:10, 704:7, 711:10, 602:2, 691:4, 704:8, 704:10, 704:8, 704:10, 606:7, 662:11, 662:11, 763:12, 606:7, 662:11, 662:11, 763:13, 704:12, 560:11, 662:11, 662:11, 763:13, 600:7, 662:11, 662:11, 763:13, 674:11, 682:11, 763:13, 674:11, 682:11, 763:13, 674:11, 682:11, 763:13, 674:11, 682:11, 763:13, 674:11, 682:11, 763:13, 674:11, 672:12, 761:13, 767:13, 771:13, 767:13, 771:13, 767:13, 771:13, 767:13, 771:13, 767:13, 771:14, 773:14, 777:14, 773:14, 773:14, 777:14, 773:14,	666:17, 790:15	689:23, 702:8,	rope [1] - 704:19	672:21, 672:22,	service [9] - 605:20,	
cb3:11 791:19, 794:12, representing µ- representing µ- 661:12, 662:16, 500:21, 569:16, 569:16, 669:12, 661:14, 272:23 704:12, 704:10, 570:14, 770:14, 570:14, 770:14, 570:17, 570:10, 569:24, 570:1, 570:13, 569:24, 570:13, 570:14, 570:20, 571:1, 570:13, 570:20, 571:1, 570:14, 570:20, 571:1, 577:14, 577:14, 577:20, 570:15, 570:77, 773:15, 773:17, 773:18, 773:21, 570:20, 571:1, 570:12, 773:15, 773:17, 773:18, 773:13, 570:20, 571:1, 577:14, 577:14, 577:20, 580:12, 661:12, 662:23, 663:14, 663:14, 663:14, 663:24, 663:14, 597:19 seconds (a) - 672:9, 580:50, 704:10, 597:19, 573:13, 5764:14, 773:16, 5774:14, 773:20, 597:19, 573:13, 5774:14, 773:20, 597:19, 573:14, 5774; 573:52, 7764:14, 779:20, 689:24, 693:17, 7786:7, 778:1, 7786:7, 778:14, 7786:7, 779:14, 5778:15, 576:14, 5771:16, 5779:1, 5771:16, 5779:1, 5771:16, 5779:1, 5771:16, 5779:1, 5771:16, 5771:16, 5771:16, 5771:16, 778:17, 578:1, 5771:16, 5771:16, 778:17, 578:1, 5771:16, 5771:16, 5771:16, 5771:16, 778:17, 578:1, 5771:16, 5771:16, 7781:16, 578:1, 5771:16, 577:16, 5771:16, 577:16, 5771:16, 577:16, 5771:16, 577:16, 5771:16, 5771:16, 577:16, 5771:16, 577:16, 5771:	representatives [2] -	712:24, 740:15,	roughly [6] - 643:7,	672:25, 704:3,	605:22, 606:2,	
representing µ - 641-13, 614-14, 633:10, 784-23 798:18, 600:20 659:8, 669:16, 569:8, 669:16, 569:8, 669:16, 569:8, 669:16, 569:24, 570:7, 570:10, 700000000000000000000000000000000000	683:11	791:19, 794:12,	664:14, 664:16,	704:8, 704:10,	606:7, 681:16,	
61:41:3, 61:41:4, 663:10, 764:23 respirator (np657.7, 663:10, 764:23 Rousche (p600.4, 600.5 School (4 - 562:11, 737:11, 711:4, 712.2 B2:11, 708:13 603:10, 764:23 569:8, 569:61, 569:24, 570.3, 700 (p613:15, 500:12, 670:12, 753:13 569:24, 570.3, 570:11, 570:13, 700 (p613:15, 570:20, 571:1, 571.1, 570:20, 571:1, 571:15 B00:2, 669:12, 708:27, 785:1, 708:12, 778:13, 766:27, 78; 660:12, 661:16, 733:14, 757:4, 783:2, 757:4, 783:2, 757:4, 783:2, 757:4, 783:2, 757:4, 783:2, 757:4, 783:2, 757:4, 783:2, 757:4, 778:1, 757:4, 778:2, 757:4, 777:4, 757:4, 777:4, 777:4, 758:2, 757:4, 777:4, 758:2, 757:4, 777:4, 778:4, 758:2, 757:4, 778:4, 758:2, 757:4, 777:4, 778:4, 758:2, 757:4, 778:4, 778:4, 758:2, 757:4, 778:4, 779:4, 779:4, 779:4, 759:4, 759:4, 759:4, 759:4, 759:4, 75	representing [4] -	798:18, 800:20	691:2, 691:4, 727:23	704:12	681:17, 682:10,	
663:10, 784:23 569:8, 569:16, 599:24, 570:3, 700:16, 570:17, 570:18, 560:27, 780:2, 780:27, 780:2, 780:27, 780:2, 780:27, 780:2, 780:27, 780:2, 780:27, 780:2, 780:27, 780:2, 780:27, 780:2, 780:27, 570:18, 560:28, 660:23, 663:14, 660:23, 663:14, 660:23, 663:14, 660:23, 663:14, 660:23, 663:14, 660:23, 663:14, 660:23, 663:14, 780:20, 780:17, 570:28, 776:3, 776:14, 570:18, 570:25, 780:1, 780:17, 780:20, 780:1, 780:17, 570:26, 777:18, 570:27, 570:18, 570:22, 756:27, 570:18, 570:25, 576:18, 576:11, 570:26, 577:18, 570:25, 570:10, 570:10, 570:10, 570:10, 570:10, 570:10, 570:3, 570:15, 570:25, 570:10, 570:10, 570:10, 570:3, 570:15, 570:25, 570:10, 570:10, 570:10, 570:3, 570:15, 570:25, 570:10, 570:10, 570:10, 570:3, 570:15, 570:25, 570:10, 570:10, 570:10, 570:3, 570:15, 570:25, 570:10, 570:10, 570:10, 570:3, 570:15, 570:25, 570:10, 570:10, 570:10, 570:3, 570:15, 570:25, 570:10, 570:10, 570:10, 570:10, 570:3, 570:10, 570:	614:13, 614:14,	respirator [16] - 567:7,	Rousche [2] - 600:4,	School [4] - 562:11,	682:11, 708:13	
spresents p:- 610:20, 774:3 569:18, 569:21, 570:7, 570:10, 570:7, 570:10, 570:7, 570:10, 570:7, 570:10, 570:1, 570:17, 730:18, 730:20, 570:1, 570:17, 730:18, 730:20, 570:11, 570:12, 733:18, 737:21, 733:18, 737:21, 733:18, 737:21, 733:18, 737:21, 733:18, 737:21, 733:18, 737:21, 733:19, 733:19, 737:11, 571:19, 731:17, 742:20, 737:11, 571:19, 731:17, 742:20, 737:11, 571:19, 731:17, 742:20, 732:17, 771:19, 732:27, 763:7, 733:19, 737:11, 731:17, 742:20, 733:19, 737:11, 731:17, 742:20, 732:27, 763:7, 733:19, 737:14, 735:27, 763:7, 733:19, 737:14, 735:27, 763:7, 733:19, 737:14, 735:27, 763:7, 733:19, 737:14, 735:27, 753:4, 736:27, 766:7, 736:27, 767:19, 736:27, 766:7, 736:27, 767:19, 736:27, 766:7, 736:27, 766:7, 736:27, 766:7, 736:27, 767:14, 736:27, 766:7, 736:27, 767:14, 736:27, 766:7, 737:14, 777:3, 736:17, 777:27, 777:4, 737:14, 737:14, 737:14, 737:14, 737:14, 737:14, 737:14, 737:14, 737:14, 737:14, 737:14,	663:10, 784:23	569:8, 569:16,	600:5	673:1, 711:18, 712:2	serviced [1] - 682:8	
610.20, 774:3 569:24, 570:3, 570:7, 570:10, 570:7, 570:10, 570:11, 570:13, 737:16, 739:21, 737:16, 739:21, 737:14, 739:21, 736:12, 736:14, 736:12, 736:14, 736:14, 737:14, 736:14, 737:14, 736:14, 737:14, 736:14, 737:14, 736:14, 737:14, 736:14, 737:14, 736:14, 737:14, 736:22, 766:25, 737:14, 577:14, 736:22, 766:25, 737:14, 577:14, 737:14, 737:14, 737:14, 737:14, 737:14, 737:14, 737:14, 737:14, 737:14, 737:14, 737:14, 737:14, 737:14, 737:14, 737:14, 737:14, 737:71, 737:14, 737:71, 737	represents [2] -	569:18, 569:21,	routes [1] - 581:9	science [1] - 673:9	services [2] - 673:14,	
Fequest[s] - 590:24, 615:18, 790:23 570:7, 570:10, 570:11, 570:13, 570:20, 571:1, 571:4, 570:20, 571:1, 571:4, 571:15 cestion [1] - 670:10, 581:1, 783:10, 577:19 sestion [1] - 700:9 580:000 [1] - 577:19, 577:19, 773:2, 577:19, 773:2, 577:19 sestion [1] - 670:10, 581:10, 662:2, 663:16, 662:3, 663:14, 662:2, 663:16, 662:3, 663:14, 662:2, 663:16, 662:3, 663:14, 662:2, 663:16, 662:3, 663:14, 785:12, 577:19 sestion [1] - 670:10, 581:10, 662:2, 663:16, 662:3, 663:14, 662:2, 663:16, 662:3, 663:14, 662:2, 663:16, 662:3, 663:14, 785:12, 776:14, 779:20, 776:14, 779:20, 776:14, 779:20, 776:15, 576:24, 776:15, 576:25, 577:3, 577:4, 577:3, 577:3, 577:4, 577:5, 577:3, 578:4, 580:11, 580:24, 580:11, 580:24, 580:11, 580:24, 580:11, 580:24, 580:11, 580:2	610:20, 774:3	569:24, 570:3,	row [9] - 613:15,	scientific [1] - 743:23	674:11	
6 15:18, 780:23 require (2) - 708:24, 570:16, 570:17, 753:13 570:11, 570:13, 570:20, 571:1, 571:4, 737:18, 737:21, 737:18, 737:21, 737:14, 738:22 secons (1) - 708:9, secons (1) - 708:9, 770:14 set(a) - 600:7, 768:7, 799:22, 799:22 requirement (1) - 626:24, 627:6, 629:23, 768:6, 778:14, 779:20, 629:23, 768:6, 778:14, 779:20, 629:23, 768:6, 778:14, 779:20, 629:23, 768:4, 778:14, 779:20, 629:24, 6937.16, 778:14, 799:20, 778:14, 779:20, 629:24, 6937.16, 778:14, 799:20, 778:14, 779:20, 629:24, 6937.16, 709:16, 779:14, 709:16, 779:14, 709:16, 779:14, 709:16, 779:14, 709:16, 779:14, 709:16, 779:14, 709:17, 757:14, 577:14, 577:18, 577:14, 577:18, 577:14, 577:18, 577:14, 577:18, 577:14, 577:18, 577:14, 577:18, 577:14, 577:18, 577:14, 577:18, 577:14, 577:18, 577:19, 579:2, 579:14, 578:14, 576:14, 576:25, 577:17, 577:18, 577:19, 579:2, 578:14, 578:14, 576:15, 578:14, 576:15, 578:14, 576:15, 578:14, 576:15, 578:14, 576:15, 578:14, 576:15, 578:14, 576:15, 578:14, 576:15, 578:14, 576:15, 578:14, 577:16, 577:18, 577:19, 579:2, 578:1, 578:14, 578:1, 568:25, 577:1, 577:18, 577:19, 579:2, 578:1, 578:1, 578:1, 578:1, 578:1, 588:1, 578:1, 588:1, 579:1, 579:2, 579:1, 579:1, 578:1, 588:1, 579:1, 579:2, 579:1,	request [3] - 590:24,	570:7, 570:10,	650:21, 736:14,	scratch [1] - 630:7	sessions [1] - 673:14	
require (p) - 708:24, 753:13 570:16, 570:17, 570:20, 571:1, 571:4, 708:9, 708:13, 708:9, 708:13, 708:9, 708:13, 708:9, 708:13, 708:9, 708:13, 708:12, 601:25, 751:15 709:2, 799:22 708:9, 708:13, 708:9, 708:13, 707:4, 773:21, 708:9, 778:14, 777:4, 778:22, 708:9, 778:14, 777:4, 778:22, 757:4, 778:22, 757:4, 778:22, 757:4, 778:22, 757:14, 778:4, 779:20, 768:27, 76:7, 768:27, 768:4, 708:27, 768:4, 708:12, 708:4, 708:12, 708:4, 708:12, 708:4, 708:12, 708:14, 708:12, 708:4, 708:12, 708:4, 708:13, 708:12, 708:14, 709:20, 708:24, 708:20, 708:12, 708:4, 708:13, 708:12, 708:14, 709:20, 708:24, 708:20, 708:12, 708:4, 708:13, 708:12, 708:14, 709:20, 708:12, 708:4, 708:13, 708:12, 708:14, 709:20, 708:14, 709:20, 708:24, 708:20, 708:15, 707:25, 708:3, 708:15, 707:25, 708:3, 708:15, 707:25, 708:3, 708:15, 707:25, 708:3, 708:15, 707:25, 708:3, 708:15, 707:25, 708:3, 708:16, 708:14, 708:17, 507:18, 708:13, 708:4, 709:12, 708:14, 709:15, 709:15, 707:25, 708:3, 709:15, 707:14, 707:16, 709:15, 707:21, 707:4, 707:7, 708:15, 708:2, 708:11, 668:12, 708:11, 668:12, 708:12, 708:14, 708:12, 708:14, 708:12, 708:14, 708:12, 708:14, 708:14, 708:28, 709:15, 707:14, 707:7, 708:24, 708:15, 709:22, 708:14, 709:15, 707:21, 707:7, 708:24, 708:24, 708:24, 708:24, 708:24, 708:24, 708:24, 708:24, 708:24, 708:24, 708:24, 708:24, 708:24, 708:24, 708:24, 708:24, 708:24,	615:18, 790:23	570:11, 570:13,	736:15, 736:20,	se [1] - 740:9	set [4] - 690:7, 758:7,	
753:13 570:20, 571:1, 571:4 738:9, 738:13 second (p) - 627:22, 651:16, 753:16, 737:16, 770:14 second (p) - 627:22, 651:16, 733:16, 770:14 second (p) - 627:22, 651:16, 733:16, 770:14 second (p) - 627:22, 651:16, 733:16, 770:14 second (p) - 627:22, 652:16, 733:16, 770:170:14 shall (p) - 626:25, 700:12, 703:16, 737:16, 737:16, 737:16, 737:16, 737:16, 737:16, 737:17, 737:11, 752:13, 733:16, 737:33, 753:3, 757:3, 757:4, 757:4, 757:4, 757:5, 757:7, 757:16, 576:9, 757:3, 757:4, 757:3, 757:4, 757:5, 757:7, 757:16, 576:2, 757:3, 757:4, 757:3, 577:3, 757:4, 575:9, 757:3, 757:4, 757:4, 757:4, 757:4, 757:5, 757:7, 757:16, 576:2, 757:7, 577:16, 576:2, 577:7, 577:16, 576:2, 577:7, 577:16, 576:2, 577:7, 577:16, 576:2, 577:7, 577:16, 576:2, 577:7, 577:16, 576:2, 577:7, 577:16, 576:2, 577:7, 577:16, 576:2, 577:7, 577:16, 576:2, 577:7, 577:18, 576:3, 576:2, 577:7, 577:18, 576:3, 576:2, 577:7, 577:18, 576:3, 576:2, 577:7, 577:18, 576:3, 576:2, 577:7, 577:18, 576:3, 576:18, 576:2, 577:7, 577:18, 576:2, 577:7, 577:18, 576:14, 576:16, 576:2, 577:7, 577:18, 576:14, 576:16, 576:2, 577:7, 577:18, 576:14, 576:16, 576:2, 577:7, 577:18, 576:14, 576:16, 576:2, 577:15, 576:2, 577:16, 576:2, 577:7, 577:18, 576:14, 576:16, 576:18, 569:10	require [2] - 708:24,	570:16, 570:17,	737:18, 737:21,	Seasons [1] - 706:9	799:2, 799:22	
	753:13	570:20, 571:1, 571:4	738:9, 738:13	seconds [5] - 627:22,	seven-minute [1] -	
690:12, 691:25, 711:1, 714:23, 711:1, 714:23, 715:23, 703:1, 716:11, 715:7, 716:11, 715:7, 716:11, 715:7, 716:11, 715:7, 716:11, 716:14, 716:11, 716:29, 716:11, 716:29, 716:11, 716:29, 716:11, 716:29, 716:11, 716:29, 716:25, 716:14, 716:29, 716:29, 716:29, 716:29,	required [6] - 620:7,	respond [1] - 573:20	rows [5] - 648:23,	651:16, 753:16,	770:14	
711:1, 714:23, 711:2 787:14 section [12] - 640:25, shall [p] - 626:25, 761:15 responsible [1] - 597:19 robber-banded [1] - 597:19 robber-banded [1] - 762:32, 778:14, 778:4, responsible [1] - 597:19 robber-banded [1] - 597:19 robber-banded [1] - 763:39, 778:14, 778:20, restrom [1] - 735:20 restrom [1] - 752:20 756:23, 758:2, 775:3 r57:3, 575:9, 778:14, 779:20, 689:24, 693:17, 736:20, 777:15, 736:20, 777:15, Section [12] - 660:23, 660:24, 660:25, 577:3, 576:14, 790:16, 791:16 retianed [2] - 688:10, retianed [2] - 688:10, safe [6] - 571:13, 756:22, 766:25, 577:3, 577:4, 577:3, 762:22, 762:4, retianed [2] - 689:12, safe [6] - 571:13, 756:42, 577:3, 577:4, 577:3, 760:19, 661:12, retred [1] - 607:3 safe [1] - 571:15, 578:16, 578:18, 578:16, 578:13, 761:20, 761:24, review [2] - 567:9, safely [1] - 571:15, 578:16, 578:13, 578:16, 578:13, 578:16, 578:3, 761:20, 761:14, review [2] - 567:9, safely [1] - 571:15, 578:16, 578:13, 578:16, 578:13, 578:8, 579:3, 578:8, 579:3,<	690:12, 691:25	response [2] - 668:17,	787:2, 787:13,	757:4, 783:2	shadow [1] - 642:10	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	711:1, 714:23,	711:2	787:14	section [12] - 640:25,	shall [9] - 626:25,	
requirement [17] - 628:23, 763:6, 763:9, 778:1, 778:4, 778:6, 778:7, 778:6, 778:7, 778:6, 778:7, 778:14, 778:4, 778:14, 778:4, 778:10, 778:4, 778:14, 778:4, 778:12, 778:15, 777:4, 577:4, 758:12, 757:3, 577:4, 577:5, 757:3, 5774, 577:5, 758:12, 577:3, 5774, 577:5, 759:4, 760:12, 759:4, 760:12, 759:4, 760:12, 759:3, 578:16, 578:4, 559:13, 599:20, 679:25, 690:4 751:20, 751:22, 789:20, 660:12, 660:12, 660:12, 660:12, 660:12, 660:12, 660:12, 660:12, 660:12, 660:12, 660:12, 660:12, 660:12, 660:12, 759:13, 579:5, 578:4, 751:20, 751:22, 751:20, 751:14, 569:16, 669:18, 569:17, 570:25, 569:11, 560:21, 569:17, 560:21, 569:17, 560:21, 569:13, 569:14, 569:20, 660:3, 669:20, 660:3, 669:21, 660:3, 669:20, 660:3, 669:20, 660:3, 669:21, 660:3, 669:21, 660:3, 669:22, 660:3, 669:22, 660:3, 669:22, 660:3, 669:22, 660:3, 660:21, 660:20, 660:21, 660:20, 660:21, 660:21, 660:22, 660:3, 660:21, 660:20, 660:21, 660:20, 660:21, 660:20, 660:21, 660:20, 661:10, 661:10, 661:10, 661:10,	751:15	responsibility [1] -	rubber [1] - 597:19	654:10, 662:8,	627:21, 662:14,	
626:24, 627:6, 629:23, 763:6, 763:9, 778:1, 778:4, 778:6, 778:7, 778:6, 778:7, 778:6, 778:7, 778:6, 778:7, 778:6, 778:7, 778:64, 739:20, 737:15, 766:11, 789:18, 730:16, 791:16 restroom (1): 735:20, 732:14, 779:20, 689:24, 693:7, 786:41, 789:18, 730:16, 791:16 restroom (1): 735:20, 738:14, 779:20, 689:24, 693:7, 786:11, 789:18, 730:16, 791:16 737:11, 752:13, 756:23, 756:24, 688:12, retailed (2): - 688:10, 688:12, retailed (2): - 688:10, 688:12, 708:13, 791:19, 734:8, 799:1 737:11, 752:13, 756:23, 756:14, 756:23, 756:24, 660:24, 662:5, 577:3, 577:4, 577:5, 577:4, 577:4, 577:18, 759:3, 791:12, 759:3, 791:12, 759:3, 791:12, 759:3, 791:12, 759:3, 791:12, 759:3, 791:12, 759:3, 579:2, 578:16, 578:8, 577:15, 576:25, 577:7, 577:18, 578:3, 578:16, 578:8, 578:16, 578:8, 579:3, 579:3, 579:5, 578:7, 578:16, 578:8, 578:16, 578:8, 580:11, 580:24, 580:11, 580:11, 580:12, 580:11, 580:24, 580:11, 580:13, 680:25, 680:1, 680:25, 680:1, 680:21, 680:1, 680:21, 680:1, 680:22, 681:1, 681:12, 681:13, 681:12, 681:13, 681:12, 681:13, 681:12, 681:13, 681:10, 684:10, 681:11, 681:13, 681:10, 684:10, 681:11, 681:20, 681:11, 681:20, 681:	requirement [17] -	698:25	rubber-banded [1] -	663:8, 663:14,	662:23, 663:1,	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	626:24, 627:6.	responsible [1] -	597:19	737:11, 752:13,	663:3, 663:7, 663:9,	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	629:23, 763:6,	691:18	rule (11 - 640:10	755:23, 758:2,	757:3	
778:6, 778:7, 778:6, 778:7, 785:25, 786:4, 785:25, 786:4, 785:25, 786:4, 786:11, 789:18, 790:16, 791:16 results (s) = 685:20, 689:24, 693:17, 736:20, 737:15, 736:11, 789:18, 790:16, 791:16 results (s) = 665:20, 689:24, 693:17, 736:12, 786:12, 798:10, 688:12 758:13, 756:13, 757:14, 778:4, 779:20, 688:12 575:13, 576:14, 577:15, 577:14, 577:15, 756:12, 756:25, 677:19, 579:3, 599:12, 599:22 576:13, 731:19, 708:13, 731:19, 708:13, 731:19, 734:8, 799:1 566:22, 766:25, 577:19, 578:3, 576:15, 577:14, 577:14, 577:14, 577:18, 576:15, 577:25, 777:14, 577:14, 577:19, 578:3, 578:16, 578:18, 578:16, 578:18, 579:3, 579:3, 579:5, 578:3, 578:16, 578:18, 579:3, 580:4, 580:4, 580:11, 580:11, 580:24, 599:5, 580:11, 580:11, 580:24, 599:5, 580:11, 580:51, 580:11, 580:11, 580:24, 580:11, 580:11, 580:11, 580:24, 580:11, 580:11, 580:11, 580:24, 580:11, 580:11, 580:11, 580:24, 580:11, 580:24, 580:11, 580:11, 580:11, 580:24, 580:11, 580:24, 580:12, 780:24, 580:12, 780:24, 580:12, 780:24, 580:12, 780:24, 580:1	763:9, 778:1, 778:4,	restroom [1] - 735:20	run 121 - 590:4. 714:8	758:12, 758:14,	shed [54] - 574:19,	
778:14, 779:20, 689:24, 693:17, 736:16, 737:15, Section (12) - 626:13, 575:13, 576:14, 786:11, 789:18, 738:1 retained (2) - 688:10, safe (5) - 571:13, 756:22, 756:25, 577:3, 577:4, 577:5, 780:16, 791:16 retained (2) - 688:10, safe (5) - 571:13, 759:22, 766:25, 577:3, 577:4, 577:5, 623:11, 626:9, 599:12, 599:20, 599:22, 679:25, 690:4, 578:16, 578:18, 623:11, 626:9, 599:12, 599:22, 679:25, 690:4, 578:16, 578:18, 578:5, 578:8, 623:11, 629:2, 599:22, 599:22, 599:22, 679:25, 690:4, 578:16, 578:13, 578:5, 578:8, 623:11, 629:2, 599:22, 599:22, 570:10, 595:10, 579:13, 599:21, 579:3, 580:3, 580:4, 751:20, 751:22, review (24) - 567:9, safely (4) - 570:15, safely (4) - 570:1, 580:11, 680:24, 580:11, 680:24, 719:27, 702:5, 762:2, 692:24, 731:14, Sample (1) - 790:15, sample (1) - 600:25, safely (4) - 570:5, 580:11, 680:24, 691:2, 685:1, 600:21, 602:19, 609:21, 602:24, 602:21, 602:24, 602:21, 602:24, 602:21, 602:24, 602:21, 602:24, 602:21, 602:13,<	778:6, 778:7,	results [6] - 685:20,	running (1) - 790:20	758:21	575:8, 575:9,	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	778:14, 779:20,	689:24, 693:17,	runnig(i) rooi=o	Section [12] - 626:13,	575:13, 576:14,	
786:11, 789:18, 700:16, 791:16738:160requirements (14) - 6232; 6232; 4, 623:8, 623:11, 626:9, 623:2, 623:11, 626:9, 623:2, 623:11, 626:9, 623:2, 623:11, 626:9, 623:2, 623:12, 623:11, 626:9, 623:12, 623:12, 751:22, 751:22, 751:22, 751:22, 751:22, 751:22, 751:22, 751:22, 751:22, 751:22, 751:23, 751:22, 751:22, 751:22, 751:23, 751:14, 751:14, 751:15, 751:22, 751:14,	785:25, 786:4,	736:20, 737:15,	2	627:18, 660:23,	576:15, 576:25,	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	786:11, 789:18,	738:1		660:24, 662:5,	577:3, 577:4, 577:5,	
	790:16, 791:16	retained [2] - 688:10,	safe [5] - 571:13,	756:22, 756:25,	577:7, 577:18,	
623:2, 623:4, 623:8, 623:11, 626:9, 627:19, 629:2, 660:19, 661:12, 751:22, 756:211, 751:22, 762:11, 751:22, 762:11, 751:25, 762:12, 751:1, 570:25, 761:12, 756:17, 756:12, 756:12, 756:12, 756:12, 756:12, 756:12, 756:12, 756:12, 756:12, 756:12, 756:12, 756:12, 756:12, 756:12, 756:12, 756:12, 756:12, 756:13, 756:12, 756:14, 757:14, 627:15, 756:17, 756:	requirements [14] -	688:12	708:13, 731:19,	759:4, 760:12,	577:19, 578:3,	
623:11, 626:9, 627:19, 629:2, 660:19, 661:12, 751:22, 751:22, 752:11 599:13, 599:20, 599:22 safeguards [2] - 679:25, 690:4 sections [2] - 698:3, 752:11 578:16, 578:18, 579:3, 579:7, segregated [1] - 590:8 751:22, 751:22, 798:20 review [24] - 567:9, 603:7, 624:9, safety [4] - 570:6, 609:16, 669:16, 669:16, 669:18, sample [1] - 790:15 segregated [1] - 590:8 578:16, 578:18, 579:3, 579:7, 579:7, segregated [1] - 590:8 requires [5] - 569:16, 569:17, 570:25, 669:26, 670:21, 669:26, 679:21, 679:23, 570:10, 595:10, 705:17 680:5, 680:6, 685:1, 669:26, 679:14, 679:18, 564:2, 705:22, 581:10, 581:11, 564:2, 705:22, 581:10, 581:11, 569:20, 696:1, 581:10, 581:11, 564:2, 705:22, 602:21, 602:24, 699:5, 599:11, 668:221, 685:1, 602:16, 606:10, 600:22, 606:3 602:18, 602:19, 602:24, 602:19, 602:24, 605:10, 602:24, 605:10, 602:14, 627:15, 796:14, 627:15, 796:14, 627:15, 796:14, 627:15, 796:14, 627:15, 796:14, 627:15, 796:14, 627:15, 796:14, 627:15, 796:14, 627:15, 796:12, 706:7, 796:14, 796:23, 756:12 681:11, 681:13, 681:21, 682:5, 681:11, 681:13, 609:21, 623:21, 681:12, 682:21, 681:11, 681:12, 681:11, 681:12, 681:12, 682:2, 756:12 681:11, 681:13, 681:10, 684:10, 681:10, 681:11, 681:10, 681:11, 681:10, 682:22, 79	623:2, 623:4, 623:8,	retired [4] - 599:12,	734:8, 799:1	761:5, 797:25, 798:3	578:5, 578:8,	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	623:11, 626:9,	599:13, 599:20,	safeguards [2] -	sections [2] - 698:3,	578:16, 578:18,	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	627:19, 629:2,	599:22	679:25, 690:4	752:11	579:3, 579:5, 579:7,	
751:20, 751:22, $751:25, 762:11,$ $798:20$ review $[24] - 567:9,$ $592:2, 592:24,$ $603:7, 624:9,$ $731:14$ safety $[4] - 570:6,$ $570:10, 595:10,$ $731:14$ send $[7] - 679:21,$ $680:5, 680:6, 685:1,$ $690:6, 695:1, 696:8,$ $581:2, 581:8,$ $581:10, 581:11,$ $690:6, 695:1, 696:8,$ $581:2, 581:8,$ $581:10, 581:11,$ $690:6, 695:1, 696:8,$ $581:2, 581:8,$ $581:10, 581:11,$ $695:20, 696:3,$ $602:16, 602:19,$ $599:11,$ $695:20, 696:3,$ $602:16, 605:10,$ $602:16, 605:21,$ $695:21, 695:1,$ $682:21, 685:1,$ $682:21, 685:1,$ $682:21, 685:1,$ $682:21, 685:1,$ $682:21, 685:1,$ $682:21, 685:1,$ $682:22, 680:5,$ $680:22, 680:5,$ $680:22, 680:2,$ $706:17$ $706:17$ $706:17$ $706:17$ $706:37$ $706:37$ $706:37$ $706:363;$ $706:37,$ $706:63,$ $705:20,$ $695:20, 696:1,$ $695:20, 696:1,$ $680:22, 681:11,$ $680:22, 681:11,$ $681:21, 682:2,$ $706:38,$ $706:3$	660:19, 661:12,	reverted [1] - 607:3	safely [1] - 571:15	segregated [1] - 590:8	579:8, 580:3, 580:4,	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	751:20, 751:22,	review [24] - 567:9,	safety [4] - 570:6,	send [7] - 679:21,	580:8, 580:9,	
798:20 $603:7, 624:9,$ $731:14$ $690:6, 695:1, 696:8$ $581:2, 581:8,$ requires [6] - 569:16, 569:17, 570:25, $669:16, 669:18,$ $669:25, 670:21,$ sample [1] - 790:15 sampling [4] - 564:1, $564:2, 705:22,$ $690:6, 696:3$ $602:18, 602:19,$ $690:26, 696:3$ 771:9, 791:1 $679:11, 679:18,$ $679:21, 679:23,$ $564:2, 705:22,$ $706:17$ $sentor [7] - 599:2,$ $602:21, 602:24,$ $602:26, 606:3$ 706:17 $682:21, 685:1,$ $706:17$ $satisfy (1) - 606:25$ $685:4, 685:8, 690:5,$ $695:20, 696:3,$ $604:25, 605:10,$ $604:25, 605:10,$ resident (1] - 563:7 $685:4, 685:8, 690:5,$ $695:20, 696:1,$ $satisfy (1) - 680:21,$ $680:22, 681:1,$ $680:22, 681:1,$ $sense [3] - 635:19,$ $714:2, 796:14, 627:15,$ resident (1] - 562:3 $695:20, 696:1,$ $695:20, 696:1,$ $680:22, 681:1,$ $680:22, 681:1,$ $681:21, 682:5,$ $681:11, 681:20,$ $8enses [1] - 677:21,$ $714:2, 796:14,$ $797:2, 797:4, 797:7,$ $796:18, 796:23,$ $796:24, 796:25,$ $797:2, 797:4, 797:7,$ $796:18, 796:24, 796:25,$ $797:2, 797:4, 797:7,$ $796:18, 796:24, 796:26,$ $794:13,$ $8cal [2] - 727:4,$ $682:23,$ $681:10, 684:10,$ $685:4, 694:11,$ $607:20, 629:13,$ $633:16, 633:16,$ $633:16, 633$	751:25, 762:11,	592:2, 592:24,	570:10, 595:10,	680:5, 680:6, 685:1,	580:11, 580:24,	
requires (5) - 569:16, 569:17, 570:25, 771:9, 791:1669:16, 669:18, 669:25, 670:21, 679:21, 679:23, 679:21, 679:23, 710:19sample (1) - 790:15 sampling (4) - 564:1, 564:2, 705:22, senior (7) - 599:2, 692:5, 599:11, 604:25, 607:10, 604:25, 605:10, 604:25, 605:10, 606:20, 606:1, 606:22, 681:1, 606:22, 681:1, 606:22, 681:1, 606:22, 681:1, 681:10, 665:13, 607:20, 707:7 796:18, 796:23, 796:14, 765:23, 796:14, 767:22, 770:7 796:18, 796:23, 796:18, 796:23, 797:2, 797:4, 797:7 796:18, 796:25, 797:2, 797:4, 797:7 796:18, 796:25, 797:2, 797:4, 797:7 796:18, 796:26, 797:2, 797:4, 797:7 796:18, 796:26, 797:2, 797:4, 797:7 796:18, 797:2, 797:4, 797:7 796:18, 797:2, 797:4, 797:7 796:24, 796:25, 797:2, 797:4, 797:7 796:24, 796:26, 797:2, 797:4, 797:7 796:24, 796:26, 797:2, 609:11, 607:20, 629:13, 609:11, 607:20, 629:13, 608:21, 609:17, 609:7 609:7 609:7 609:7 609:7 608:21, 609:17, 609:7 609:7 608:21, 609:17, 609:7 609:7 608:21, 609:17, 609:7 609:7 608:21, 609:17, 609:7 609:7 608:21, 609:17, 609:7 609:7 608:21, 609:17, 609:7 609:7 608:21, 609:17, 609:7 609:7 608:21, 609:17, 609:7 609:7 608:11, 659:18, 601:12, 662:2, 809:7 800:7 601:12, 662:10, 601:12, 662:10,<	798:20	603:7, 624:9,	731:14	690:6, 695:1, 696:8	581:2, 581:8,	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	requires [5] - 569:16,	669:16, 669:18,	sample [1] - 790:15	sends [3] - 685:8,	581:10, 581:11,	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	569:17, 570:25,	669:25, 670:21,	sampling [4] - 564:1,	695:20, 696:3	602:18, 602:19,	
rescue [2] - 704:20, 706:17679:21, 679:23, 682:21, 685:1, 682:21, 685:1, 682:21, 685:1, research [1] - 563:7679:21, 679:23, 682:21, 685:1, 682:21, 685:1, 682:21, 685:1, 682:21, 685:1, 682:21, 685:1, 685:4, 685:8, 690:5, 695:20, 696:1, 696:3, 735:20, 576:12710:19 satisfy [1] - 680:21, 680:22, 681:1, 680:22, 681:1, 681:11, 681:13, 677:22, 770:7604:25, 605:10, 606:15, 606:20, 627:14, 627:15, 760:3resistant [2] - 576:7, 576:12696:3, 735:20, 758:7, 758:22681:11, 681:13, 681:21, 682:5, 681:21, 682:5, 681:21, 682:5, 681:10, 684:10, 685:6, 794:11, 573:16, 584:15, 585:24, 586:12, 575:5, 607:1, 607:6, 685:6, 794:11, 585:24, 586:12, 593:2,reviewed [6] - 598:17, 681:21, 682:23681:20, 681:21, 682:23 681:10, 684:10, 685:4, 694:11, 699:18senter(2) - 679:1, 681:5, 681:10, 684:10, 685:4, 694:11, 607:20, 629:13, 633:15, 633:16, 633:15, 633:16, 633:15, 633:16, 633:15, 633:16, 633:20, 639:14, 641:18, 641:19, 641:12, 662:13, 700:3, 641:22, 652:19, 641:22, 652:19, 641:22, 652:19, 641:22, 652:19, 641:12, 662:2, 61:12, 662:2,670:24, 687:18, 698:21, 698:24, 753:23, 753:24 sequence [1] - 663:1604:25, 605:10, 608:21, 698:24, 754:1, 799:15 sequence [1] - 663:1	771:9, 791:1	679:11, 679:18,	564:2, 705:22,	senior [7] - 599:2,	602:21, 602:24,	
706:17 $682:21, 685:1,$ satisfy (1) - $606:25$ $641:10, 655:13,$ $606:15, 606:20,$ research (1) - $562:3$ $695:20, 696:1,$ $685:2, 681:1,$ sense (3) - $635:19,$ $714:2, 796:14,$ resistant (2) - $576:7,$ $696:3, 735:20,$ $681:11, 681:13,$ $677:22, 770:7$ $796:18, 796:23,$ resistant (2) - $576:7,$ $696:3, 735:20,$ $681:11, 681:13,$ $677:22, 770:7$ $796:18, 796:23,$ resistant (2) - $576:7,$ $696:3, 735:20,$ $681:11, 681:13,$ $677:22, 770:7$ $796:18, 796:23,$ resolved (1) - $574:16$ reviewed (6) - $598:17,$ $681:21, 682:5,$ senter(7) - $679:1, 681:5,$ $797:2, 797:4, 797:7,$ respect (42) - $573:3,$ $609:21, 623:21,$ $682:23$ $681:10, 684:10,$ $685:6, 794:11,$ $5acel (2) - 727:4,$ $699:18,$ $573:16, 584:15,$ $794:13,$ $scale (2) - 727:4,$ $699:18,$ $633:15, 633:16,$ $586:15, 593:2,$ reviewing (1) - $683:18,$ $743:7,$ $sentence (5) - 627:21,$ $633:20, 639:14,$ $597:5, 607:1, 607:6,$ $690:7,$ $scenarios (2) 700:13, 757:2,$ $641:12, 652:19,$ $61:27, 656:10,$ revised (2) - $601:4,$ $753:23, 753:24,$ $separate (3) - 617:22,$ $698:21, 698:24,$ $61:12, 662:2,$ Richard (1) - 719:9, $711:9, 725:14,$ $sequence (1) - 663:1,$ $725:22, 735:4,$	rescue [2] - 704:20,	679:21, 679:23,	710:19	599:5, 599:11,	604:25, 605:10,	
research [1] - 563:7 685:4, 685:8, 690:5, 695:20, 696:1, save [10] - 680:21, 680:22, 681:1, 760:3 627:14, 627:15, 714:2, 796:14, resistant [2] - 576:7, 576:12 696:3, 735:20, 758:7, 758:22 681:11, 681:13, 681:11, 681:120, 677:22, 770:7 796:18, 796:23, resolved [1] - 574:16 reviewed [6] - 598:17, 681:21, 682:5, senses [1] - 677:21 796:24, 796:25, resolved [1] - 573:3, 609:21, 623:21, 681:21, 682:5, sent [7] - 679:1, 681:5, 797:2, 797:4, 797:7 573:16, 584:15, 685:6, 794:11, saved [1] - 680:22 685:4, 694:11, 607:20, 629:13, 586:15, 593:2, reviewing [1] - 683:18 743:7 sentence [5] - 627:21, 633:20, 639:14, 597:5, 607:1, 607:6, reviews [2] - 679:22, scan [1] - 589:25 662:13, 700:3, 641:18, 641:19, 609:7 scenarios [2] - 700:13, 757:2 641:22, 652:19, 662:13, 700:3, 641:22, 652:19, 61:12, 662:2, Richard [1] - 719:9 711:9, 725:14, sequence [1] - 663:1 725:22, 735:4,	706:17	682:21, 685:1,	satisfy [1] - 606:25	641:10, 655:13,	606:15, 606:20,	
resident [1] - 562:3 $695:20, 696:1,$ $680:22, 681:1,$ $sense [3] - 635:19,$ $714:2, 796:14,$ resistant [2] - 576:7, $696:3, 735:20,$ $681:11, 681:13,$ $677:22, 770:7$ $796:18, 796:23,$ $576:12$ $758:7, 758:22$ $681:18, 681:20,$ $senses [1] - 677:21$ $796:24, 796:25,$ resolved [1] - 574:16reviewed [6] - 598:17, $681:21, 682:5,$ $senter[7] - 679:1, 681:5,$ $797:2, 797:4, 797:7$ $573:16, 584:15,$ $609:21, 623:21,$ $682:23$ $681:10, 684:10,$ $685:6, 794:11,$ $scale [2] - 727:4,$ $699:18$ $586:15, 593:2,$ reviewing [1] - 683:18 $743:7$ $sentence [5] - 627:21,$ $633:20, 639:14,$ $597:5, 607:1, 607:6,$ reviews [2] - 679:22, $scan (1] - 589:25$ $662:13, 700:3,$ $641:18, 641:19,$ $608:21, 609:17,$ $690:7$ $revised [2] - 601:4,$ $753:23, 753:24$ $separate [3] - 617:22,$ $670:24, 687:18,$ $659:11, 659:18,$ $794:6$ $revised [2] - 708:8,$ $754:1, 799:15$ $698:21, 698:24,$ $661:12, 662:2,$ Richard [1] - 719:9 $711:9, 725:14,$ $sequence (1) - 663:1$ $725:22, 735:4,$	research [1] - 563:7	Second and a second and a second and	Rave (101 - 680-21	760.2	627:14, 627:15,	
resistant $[2] - 576:7$, $576:12$ 696:3, 735:20, $758:7, 758:22$ 681:11, 681:13, $681:11, 681:120,$ $681:11, 681:20,$ 677:22, 770:7 $senses [1] - 677:21$ $senses [1] - 677:21, 796:24, 796:25,$ $796:24, 796:25,$ $797:2, 797:4, 797:7,$ $796:18, 796:23,$ $796:24, 796:25,$ $797:2, 797:4, 797:7,$ $796:18, 796:23,$ $796:24, 796:25,$ $797:2, 797:4, 797:7,$ $81:21, 682:5,$ $681:10, 684:10,$ $685:6, 794:11,$ $573:16, 584:15,$ $585:24, 586:12,$ $593:2,$ 685:6, 794:11, $824:13,$ $586:15, 593:2,$ $794:13,$ 682:23 $82ale [2] - 727:4,$ $796:18, 694:11,$ $699:18,$ 607:20, 629:13, $633:15, 633:16,$ $633:15, 633:16,$ $633:20, 639:14,$ $633:20, 639:14,$ $633:20, 639:14,$ $641:18, 641:19,$ $641:18, 641:19,$ $641:22, 652:19,$ $641:22, 652:19,$ $641:22, 652:19,$ $641:22, 652:19,$ $659:11, 659:18,$ $659:11, 659:18,$ $661:12, 662:2,$ 690:7 $794:6,$ $794:6,$ $Richard [1] - 719:9,$ 711:9, 725:14,753:23, 753:24, $754:1, 799:15,$ $8equence [1] - 663:1,$ 690:21, 698:24, $725:22, 735:4,$		685:4, 685:8, 690:5,	Save[10] - 000.21,	100.3	51	
576:12 $758:7, 758:22$ $681:18, 681:20,$ $681:21, 682:5,$ $681:21, 682:5,$ $senses [1] - 677:21$ $sent [7] - 679:1, 681:5,$ $681:10, 684:10,$ $796:24, 796:25,$ $797:2, 797:4, 797:7,$ $797:2, 797:4, 797:7,$ $sheet [25] - 604:11,$ $607:20, 629:13,$ $633:15, 633:16,$ $633:15, 633:16,$ $633:20, 639:14,$ $633:20, 639:14,$ $633:20, 639:14,$ $633:20, 639:14,$ $633:20, 639:14,$ $641:18, 641:19,$ $641:18, 641:19,$ $641:22, 652:19,$ $641:22, 652:19,$ $659:11, 659:18,$ $661:12, 662:2,$ $reviews [2] - 601:4,$ $794:6,$ $Richard [1] - 719:9,$ $sentence [3] - 617:22,$ $711:9, 725:14,$ $reviews [3] - 617:22,$ $754:1, 799:15,$ $8equence [1] - 663:1,$	resident [1] - 562:3	685:4, 685:8, 690:5, 695:20, 696:1,	680:22, 681:1,	sense [3] - 635:19,	714:2, 796:14,	
resolved [1] - 574:16reviewed [6] - 598:17, $609:21, 623:21,$ $573:16, 584:15,$ $585:6, 794:11,$ $585:24, 586:12,$ $586:15, 593:2,$ reviewed [6] - 598:17, $609:21, 623:21,$ $685:6, 794:11,$ $585:6, 794:11,$ $586:15, 593:2,$ $597:5, 607:1, 607:6,$ $690:7$ reviewing [1] - 683:18 $743:7$ sent [7] - 679:1, 681:5, $681:10, 684:10,$ $685:4, 694:11,$ $699:18$ $797:2, 797:4, 797:7$ $585:24, 586:12,$ $685:4, 694:11,$ $633:15, 633:16,$ $633:20, 639:14,$ $633:20, 639:14,$ $633:20, 639:14,$ $641:18, 641:19,$ $641:18, 641:19,$ $612:2, 652:19,$ $612:7, 656:10,$ reviews [2] - 601:4, $794:6$ $753:23, 753:24$ $591:1, 659:18,$ $611:12, 662:2,$ sent [3] - 617:22, $701:13, 725:14,$ $698:11, 799:15$ $8equence [1] - 663:1$	resident [1] - 562:3 resistant [2] - 576:7.	685:4, 685:8, 690:5, 695:20, 696:1, 696:3, 735:20,	680:22, 681:1, 681:11, 681:13,	sense [3] - 635:19, 677:22, 770:7	714:2, 796:14, 796:18, 796:23,	
respect [42] - 573:3, 609:21, 623:21, 682:23 681:10, 684:10, sheet [25] - 604:11, 573:16, 584:15, 685:6, 794:11, saved [1] - 680:22 681:10, 684:10, 607:20, 629:13, 585:24, 586:12, 794:13 scale [2] - 727:4, 699:18 633:15, 633:16, 586:15, 593:2, reviewing [1] - 683:18 743:7 sentence [5] - 627:21, 633:20, 639:14, 597:5, 607:1, 607:6, reviews [2] - 679:22, scan [1] - 589:25 662:13, 700:3, 641:18, 641:19, 608:21, 609:17, 690:7 scenarios [2] - 700:13, 757:2 641:22, 652:19, 612:7, 656:10, revised [2] - 601:4, 753:23, 753:24 separate [3] - 617:22, 670:24, 687:18, 659:11, 659:18, 794:6 rether [9] - 708:8, 754:1, 799:15 698:21, 698:24, 661:12, 662:2, Richard [1] - 719:9 711:9, 725:14, sequence [1] - 663:1 725:22, 735:4,	resident [1] - 562:3 resistant [2] - 576:7, 576:12	685:4, 685:8, 690:5, 695:20, 696:1, 696:3, 735:20, 758:7, 758:22	680:22, 681:1, 681:11, 681:13, 681:18, 681:20,	sense [3] - 635:19, 677:22, 770:7 senses [1] - 677:21	714:2, 796:14, 796:18, 796:23, 796:24, 796:25,	
573:16, 584:15, 585:24, 586:12, 586:15, 593:2, 597:5, 607:1, 607:6, 608:21, 609:17, 612:7, 656:10, 659:11, 659:18, 661:12, 662:2, 685:6, 794:11, 794:13, reviewing [1] - 683:18, reviewing [1] - 683:18, reviews [2] - 679:22, 690:7, 753:23, 753:24, 754:1, 799:15, 698:21, 698:24, 725:22, 735:4, 607:20, 629:13, 633:15, 633:16, 633:20, 639:14, 662:13, 700:3, 641:18, 641:19, 662:13, 700:3, 641:22, 652:19, 641:22, 652:19, 670:24, 687:18, 698:21, 698:24, 754:1, 799:15, 698:21, 698:24, 725:22, 735:4,	resident [1] - 562:3 resistant [2] - 576:7, 576:12 resolved [1] - 574:16	685:4, 685:8, 690:5, 695:20, 696:1, 696:3, 735:20, 758:7, 758:22 reviewed [6] - 598:17,	680:22, 681:1, 681:11, 681:13, 681:18, 681:20, 681:21, 682:5,	sense [3] - 635:19, 677:22, 770:7 senses [1] - 677:21 sent [7] - 679:1, 681:5,	714:2, 796:14, 796:18, 796:23, 796:24, 796:25, 797:2, 797:4, 797:7	
585:24, 586:12, 794:13 scale [2] - 727:4, 699:18 633:15, 633:16, 586:15, 593:2, reviewing [1] - 683:18 743:7 sentence [5] - 627:21, 633:20, 639:14, 597:5, 607:1, 607:6, reviews [2] - 679:22, scan [1] - 589:25 662:13, 700:3, 641:18, 641:19, 608:21, 609:17, 690:7 revised [2] - 601:4, 753:23, 753:24 separate [3] - 617:22, 670:24, 687:18, 659:11, 659:18, 794:6 schedule [9] - 708:8, 754:1, 799:15 698:21, 698:24, 661:12, 662:2, Richard [1] - 719:9 711:9, 725:14, sequence [1] - 663:1 725:22, 735:4,	resident [1] - 562:3 resistant [2] - 576:7, 576:12 resolved [1] - 574:16 respect [42] - 573:3.	685:4, 685:8, 690:5, 695:20, 696:1, 696:3, 735:20, 758:7, 758:22 reviewed [6] - 598:17, 609:21, 623:21,	680:22, 681:1, 681:11, 681:13, 681:18, 681:20, 681:21, 682:5, 682:23	sense [3] - 635:19, 677:22, 770:7 senses [1] - 677:21 sent [7] - 679:1, 681:5, 681:10, 684:10,	714:2, 796:14, 796:18, 796:23, 796:24, 796:25, 797:2, 797:4, 797:7 sheet [25] - 604:11,	
586:15, 593:2, reviewing [1] - 683:18 743:7 sentence [5] - 627:21, 633:20, 639:14, 597:5, 607:1, 607:6, reviews [2] - 679:22, scan [1] - 589:25 662:13, 700:3, 641:18, 641:19, 608:21, 609:17, 690:7 scenarios [2] - 700:13, 757:2 641:22, 652:19, 612:7, 656:10, revised [2] - 601:4, 753:23, 753:24 separate [3] - 617:22, 670:24, 687:18, 659:11, 659:18, 794:6 schedule [9] - 708:8, 754:1, 799:15 698:21, 698:24, 661:12, 662:2, Richard [1] - 719:9 711:9, 725:14, sequence [1] - 663:1 725:22, 735:4,	resident [1] - 562:3 resistant [2] - 576:7, 576:12 resolved [1] - 574:16 respect [42] - 573:3, 573:16, 584:15.	685:4, 685:8, 690:5, 695:20, 696:1, 696:3, 735:20, 758:7, 758:22 reviewed [6] - 598:17, 609:21, 623:21, 685:6, 794:11,	680:22, 681:1, 681:11, 681:13, 681:18, 681:20, 681:21, 682:5, 682:23 saved [1] - 680:22	sense [3] - 635:19, 677:22, 770:7 senses [1] - 677:21 sent [7] - 679:1, 681:5, 681:10, 684:10, 685:4, 694:11,	714:2, 796:14, 796:18, 796:23, 796:24, 796:25, 797:2, 797:4, 797:7 sheet [25] - 604:11, 607:20, 629:13,	
597:5, 607:1, 607:6, 608:21, 609:17, 612:7, 656:10, 659:11, 659:18, 661:12, 662:2, reviews [2] - 679:22, 690:7 scan [1] - 589:25 662:13, 700:3, 700:13, 757:2 641:18, 641:19, 641:22, 652:19, 700:13, 757:2 612:7, 656:10, 659:11, 659:18, 661:12, 662:2, revised [2] - 601:4, 794:6 753:23, 753:24 schedule [9] - 708:8, 711:9, 725:14, separate [3] - 617:22, 754:1, 799:15 698:21, 698:24, 698:21, 698:24, 725:22, 735:4,	resident [1] - 562:3 resistant [2] - 576:7, 576:12 resolved [1] - 574:16 respect [42] - 573:3, 573:16, 584:15, 585:24, 586:12	685:4, 685:8, 690:5, 695:20, 696:1, 696:3, 735:20, 758:7, 758:22 reviewed [6] - 598:17, 609:21, 623:21, 685:6, 794:11, 794:13	680:22, 681:1, 681:11, 681:13, 681:18, 681:20, 681:21, 682:5, 682:23 saved [1] - 680:22 scale [2] - 727:4,	sense [3] - 635:19, 677:22, 770:7 senses [1] - 677:21 sent [7] - 679:1, 681:5, 681:10, 684:10, 685:4, 694:11, 699:18	714:2, 796:14, 796:18, 796:23, 796:24, 796:25, 797:2, 797:4, 797:7 sheet [25] - 604:11, 607:20, 629:13, 633:15, 633:16,	
608:21, 609:17, 612:7, 656:10, 659:11, 659:18, 661:12, 662:2, 690:7 revised [2] - 601:4, 794:6 scenarios [2] - 753:23, 753:24 schedule [9] - 708:8, 711:9, 725:14, 700:13, 757:2 separate [3] - 617:22, 754:1, 799:15 sequence [1] - 663:1 641:22, 652:19, 670:24, 687:18, 698:21, 698:24, 725:22, 735:4,	resident [1] - 562:3 resistant [2] - 576:7, 576:12 resolved [1] - 574:16 respect [42] - 573:3, 573:16, 584:15, 585:24, 586:12, 586:15, 593:2.	685:4, 685:8, 690:5, 695:20, 696:1, 696:3, 735:20, 758:7, 758:22 reviewed [6] - 598:17, 609:21, 623:21, 685:6, 794:11, 794:13 reviewing [1] - 683:18	680:22, 681:1, 681:11, 681:13, 681:18, 681:20, 681:21, 682:5, 682:23 saved [1] - 680:22 scale [2] - 727:4, 743:7	sense [3] - 635:19, 677:22, 770:7 senses [1] - 677:21 sent [7] - 679:1, 681:5, 681:10, 684:10, 685:4, 694:11, 699:18 sentence [5] - 627:21.	714:2, 796:14, 796:18, 796:23, 796:24, 796:25, 797:2, 797:4, 797:7 sheet [25] - 604:11, 607:20, 629:13, 633:15, 633:16, 633:20, 639:14,	
612:7, 656:10, revised [2] - 601:4, 753:23, 753:24 separate [3] - 617:22, 670:24, 687:18, 659:11, 659:18, 794:6 schedule [9] - 708:8, 754:1, 799:15 698:21, 698:24, 661:12, 662:2, Richard [1] - 719:9 711:9, 725:14, sequence [1] - 663:1 725:22, 735:4,	resident [1] - 562:3 resistant [2] - 576:7, 576:12 resolved [1] - 574:16 respect [42] - 573:3, 573:16, 584:15, 585:24, 586:12, 586:15, 593:2, 597:5, 607:1, 607:6	685:4, 685:8, 690:5, 695:20, 696:1, 696:3, 735:20, 758:7, 758:22 reviewed [6] - 598:17, 609:21, 623:21, 685:6, 794:11, 794:13 reviewing [1] - 683:18 reviews [2] - 679:22,	680:22, 681:1, 681:11, 681:13, 681:11, 681:20, 681:21, 682:5, 682:23 saved [1] - 680:22 scale [2] - 727:4, 743:7 scan [1] - 589:25	sense [3] - 635:19, 677:22, 770:7 senses [1] - 677:21 sent [7] - 679:1, 681:5, 681:10, 684:10, 685:4, 694:11, 699:18 sentence [5] - 627:21, 662:13, 700:3.	714:2, 796:14, 796:18, 796:23, 796:24, 796:25, 797:2, 797:4, 797:7 sheet [25] - 604:11, 607:20, 629:13, 633:15, 633:16, 633:20, 639:14, 641:18, 641:19,	
659:11, 659:18, 661:12, 662:2, 794:6 Richard [1] - 719:9 schedule [9] - 708:8, 711:9, 725:14, 754:1, 799:15 sequence [1] - 663:1 698:21, 698:24, 725:22, 735:4,	resident [1] - 562:3 resistant [2] - 576:7, 576:12 resolved [1] - 574:16 respect [42] - 573:3, 573:16, 584:15, 585:24, 586:12, 586:15, 593:2, 597:5, 607:1, 607:6, 608:21, 609:17.	685:4, 685:8, 690:5, 695:20, 696:1, 696:3, 735:20, 758:7, 758:22 reviewed [6] - 598:17, 609:21, 623:21, 685:6, 794:11, 794:13 reviewing [1] - 683:18 reviews [2] - 679:22, 690:7	680:22, 681:1, 681:11, 681:13, 681:11, 681:20, 681:21, 682:5, 682:23 saved [1] - 680:22 scale [2] - 727:4, 743:7 scan [1] - 589:25 scenarios [2] -	sense [3] - 635:19, 677:22, 770:7 senses [1] - 677:21 sent [7] - 679:1, 681:5, 681:10, 684:10, 685:4, 694:11, 699:18 sentence [5] - 627:21, 662:13, 700:3, 700:13, 757:2	714:2, 796:14, 796:18, 796:23, 796:24, 796:25, 797:2, 797:4, 797:7 sheet [25] - 604:11, 607:20, 629:13, 633:15, 633:16, 633:20, 639:14, 641:18, 641:19, 641:22, 652:19,	
661:12, 662:2, Richard [1] - 719:9 711:9, 725:14, sequence [1] - 663:1 725:22, 735:4,	resident [1] - 562:3 resistant [2] - 576:7, 576:12 resolved [1] - 574:16 respect [42] - 573:3, 573:16, 584:15, 585:24, 586:12, 586:15, 593:2, 597:5, 607:1, 607:6, 608:21, 609:17, 612:7, 656:10.	685:4, 685:8, 690:5, 695:20, 696:1, 696:3, 735:20, 758:7, 758:22 reviewed [6] - 598:17, 609:21, 623:21, 685:6, 794:11, 794:13 reviewing [1] - 683:18 reviews [2] - 679:22, 690:7 revised [2] - 601:4,	680:22, 681:1, 681:11, 681:13, 681:11, 681:20, 681:21, 682:5, 682:23 saved [1] - 680:22 scale [2] - 727:4, 743:7 scan [1] - 589:25 scenarios [2] - 753:23, 753:24	sense [3] - 635:19, 677:22, 770:7 senses [1] - 677:21 sent [7] - 679:1, 681:5, 681:10, 684:10, 685:4, 694:11, 699:18 sentence [5] - 627:21, 662:13, 700:3, 700:13, 757:2 separate [3] - 617:22.	714:2, 796:14, 796:18, 796:23, 796:24, 796:25, 797:2, 797:4, 797:7 sheet [25] - 604:11, 607:20, 629:13, 633:15, 633:16, 633:20, 639:14, 641:18, 641:19, 641:22, 652:19, 670:24, 687:18,	
	resident [1] - 562:3 resistant [2] - 576:7, 576:12 resolved [1] - 574:16 respect [42] - 573:3, 573:16, 584:15, 585:24, 586:12, 586:15, 593:2, 597:5, 607:1, 607:6, 608:21, 609:17, 612:7, 656:10, 659:11, 659:18.	685:4, 685:8, 690:5, 695:20, 696:1, 696:3, 735:20, 758:7, 758:22 reviewed [6] - 598:17, 609:21, 623:21, 685:6, 794:11, 794:13 reviewing [1] - 683:18 reviews [2] - 679:22, 690:7 revised [2] - 601:4, 794:6	680:22, 681:1, 680:22, 681:1, 681:11, 681:13, 681:18, 681:20, 681:21, 682:5, 682:23 saved [1] - 680:22 scale [2] - 727:4, 743:7 scan [1] - 589:25 scenarios [2] - 753:23, 753:24 schedule [9] - 708:8,	sense [3] - 635:19, 677:22, 770:7 senses [1] - 677:21 sent [7] - 679:1, 681:5, 681:10, 684:10, 685:4, 694:11, 699:18 sentence [5] - 627:21, 662:13, 700:3, 700:13, 757:2 separate [3] - 617:22, 754:1, 799:15	714:2, 796:14, 796:18, 796:23, 796:24, 796:25, 797:2, 797:4, 797:7 sheet [25] - 604:11, 607:20, 629:13, 633:15, 633:16, 633:20, 639:14, 641:18, 641:19, 641:22, 652:19, 670:24, 687:18, 698:21, 698:24,	
	resident [1] - 562:3 resistant [2] - 576:7, 576:12 resolved [1] - 574:16 respect [42] - 573:3, 573:16, 584:15, 585:24, 586:12, 586:15, 593:2, 597:5, 607:1, 607:6, 608:21, 609:17, 612:7, 656:10, 659:11, 659:18, 661:12, 662:2.	685:4, 685:8, 690:5, 695:20, 696:1, 696:3, 735:20, 758:7, 758:22 reviewed [6] - 598:17, 609:21, 623:21, 685:6, 794:11, 794:13 reviewing [1] - 683:18 reviews [2] - 679:22, 690:7 revised [2] - 601:4, 794:6 Richard [1] - 719:9	save [19] - 680:21, 680:22, 681:1, 681:11, 681:13, 681:18, 681:20, 681:21, 682:5, 682:23 saved [1] - 680:22 scale [2] - 727:4, 743:7 scan [1] - 589:25 scenarios [2] - 753:23, 753:24 schedule [9] - 708:8, 711:9, 725:14,	sense [3] - 635:19, 677:22, 770:7 senses [1] - 677:21 sent [7] - 679:1, 681:5, 681:10, 684:10, 685:4, 694:11, 699:18 sentence [5] - 627:21, 662:13, 700:3, 700:13, 757:2 separate [3] - 617:22, 754:1, 799:15 sequence [1] - 663:1	714:2, 796:14, 796:18, 796:23, 796:24, 796:25, 797:2, 797:4, 797:7 sheet [25] - 604:11, 607:20, 629:13, 633:15, 633:16, 633:20, 639:14, 641:18, 641:19, 641:22, 652:19, 670:24, 687:18, 698:21, 698:24, 725:22, 735:4,	

	I.	1		
768:24, 769:1,	612:2, 612:19,	593:17, 766:12,	sleeves [1] - 645:4	708:16, 709:18,
769:3, 779:16,	612:21, 612:23,	767:1, 787:16	slight [1] - 745:25	714:4, 752:25,
793:2, 797:24,	613:10, 613:12,	SIP [7] - 686:24,	slip [4] - 613:18,	753:2, 753:6,
798:2, 798:5	621:16, 629:8,	698:21, 700:4,	656:16, 656:19,	762:17, 798:15
sheets [7] - 590:5,	630:8, 630:12,	700:9, 702:11,	657:9	somewhere [5] -
590:11, 619:3,	630:14, 630:15,	702:19, 751:25	slow [1] - 580:13	590:11, 647:1,
619:6, 629:21,	633:18, 633:21,	SIP/NESHAP [1] -	slowly [1] - 595:12	669:2, 768:25, 793:1
631:20, 687:20	633:22, 633:24,	737:15	small [1] - 613:22	soon [3] - 569:13,
Shenango [1] - 566:21	636:19, 637:6,	site-specific [1] -	Smith [1] - 572:7	685:7, 695:19
shift [24] - 616:2,	638:19, 648:17,	563:25	Smoke [2] - 711:18,	sorry [30] - 563:4,
680:18, 681:14,	654:5, 654:6,	situation [1] - 634:13	712:2	565:6, 573:14,
707:10, 707:20,	654:11, 654:14,	situations [2] - 628:1,	smoke [16] - 572:24,	579:13, 596:9,
707:21, 709:12,	654:15, 654:19,	630:7	573:25, 574:14,	603:14, 605:11,
709:13, 709:19,	654:24, 655:1,	sixty [1] - 727:10	580:13, 580:14,	636:10, 660:9,
709:21, 712:21,	655:2, 655:4, 655:9,	sixty-seven [1] -	580:15, 711:19,	661:1, 661:8,
721:5, 721:8, 732:2,	655:17, 660:2,	727:10	711:20, 715:24,	672:11, 676:3,
732:5, 732:6,	662:19, 663:4,	size [1] - 577:8	743:1, 743:4,	676:4, 684:2, 685:2,
732:12, 732:16,	686:5, 686:6,	skills [1] - 755:4	780:10, 782:8,	687:10, 687:25,
732:20, 734:13,	686:10, 702:9,	skim [1] - 591:23	788:19, 790:9, 796:1	689:21, 707:6,
735:9, 736:3, 793:9,	711:12, 711:13,	skin [1] - 570:3	smoking [1] - 596:19	707:15, 709:11,
793:11	713:2, 713:6, 713:9,	sky [4] - 642:22,	smoldering [1] -	711:5, 712:11,
shifts [8] - 709:8,	713:13, 713:16,	653:5, 769:14,	582:17	714:6, 732:11,
709:15, 709:16,	714:21, 715:1,	785:10	snapshot [1] - 685:20	734:24, 775:3,
709:17, 732:4,	715:14, 715:21,	slash [1] - 606:4	so [4] - 590:2,	779.10,797.14
732:8, 732:13,	715:25, 716:9,	slater [2] - 591:1,	704:15, 752:23,	sourius [1] - 009.10
732:15	710:12, 717:1,	741:3	778:9	Source [/3] - 023.13,
shop [5] - 587:3,	733:25, 740.15,	SLATER [67] - 561:2,	soaking [42] - 567:17,	623.10, 023.21,
587:4, 587:9,	740.17, 740.10,	561:11, 561:16,	593:10, 595:14,	624.5 624.9
587:11, 587:12	750.12, 750.13,	585:9, 585:13,	609:6, 609:9,	624.19 624.25
SNOT [2] - 568:3,	750.10 763.12	585:18, 589:17,	609:10, 609:18,	625.2 625.15
5/4:23	763:13, 765:4	589:19, 591:5,	614:3, 614:6,	626:8 626:23
shoulder [1] - 001:9	766:10, 766:13	591:8, 603:9,	619:19, 619:20,	627:6. 627:13.
SNOW [12] - 012:10, ·	769:21, 769:25,	603:15, 603:18,	619:20, 646:3,	627:16, 628:6,
021:22,042:1,	777:1. 777:11.	608:24, 617:4,	040.7, 040.11, 646:04 647:10	628:23, 632:9
679:1 679:3	783:7, 784:19,	617:8, 617:13,	640.24, 047.12, 648.8 640.3 650.3	633:14, 639:18,
698.18 725.5	784:20, 796:14,	017:10, 017:19,	651.0 651.11	639:20, 639:22,
753.10 753.23	797:1	625:0 659:24	651:15 651:23	639:24, 640:4,
768:16	side/coke [2] - 611:23,	661:1 661:4 666:2	652:19 652:23	640:6, 640:12,
shower (1) - 735-17	612:19	667:17 668:11	663:22 663:25	645:20, 650:11,
showing [2] - 612:1	sided [2] - 604:8,	669.7 669.9 670.1	664.9 666.24	652:15, 655:16,
651·4	617:23	670.7 670.12	710:19, 750:6.	657:8, 659:9,
shut (1) - 588:16	sides [5] - 590:13,	670:15 671:8	762:8. 782:10.	663:16, 667:22,
sic (2) - 763:22	627:8, 663:3, 759:9,	671:10, 671:15.	782:14, 782:19,	668:4, 668:7,
794:18	796:23	671:18, 694:3.	783:9, 784:1, 784:5,	699:10, 699:11,
side (118) - 577:5.	sideways [1] - 776:25	696:21, 696:24,	784:8, 799:3	699:13, 717:18,
578:9. 578:11.	sign [4] - 567:14,	697:1, 697:5,	software [3] - 694:12,	717:20, 722:4,
578:12. 578:18.	567:15, 567:20,	701:11, 703:1,	694:25	722:8, 722:12,
579:4, 579:8,	708:12	703:3, 703:6, 718:5,	sold [1] - 723:24	726:10, 726:13,
579:10, 580:3,	similar [2] - 658:2,	718:11, 718:19,	solely [2] - 635:20,	739:3, 739:6, 739:9,
581:3, 581:7,	712:1	718:23, 719:2,	710:21	752:17, 752:25,
581:10, 583:9,	simple [3] - 601:1,	722:20, 722:23,	someone [4] - 575:20,	753:3, 753:6,
593:17, 593:18,	601:10, 601:13	728:13, 728:16,	599:9, 713:14,	753:11, 753:15,
601:18, 602:10,	simply [3] - 606:2,	739:19, 740:23,	792:23	753:24, 753:25,
602:13, 602:15,	606:12, 659:13	740:25, 741:7,	sometimes [18] -	754:16, 755:11,
604:22, 604:23,	simultaneous [1] -	741:10, 773:10,	573:19, 623:6,	757.12,701.9,
604:24, 605:21,	695:25	773:15, 775:6,	623:7, 629:8,	778.4 791.2 794.6
606:3, 606:6, 606:8,	simultaneously [1] -	792:9, 794:19,	649:12, 652:4,	788-1 788-2 701-1
606:12, 610:25,	632:22	794:21	652:9, 652:11,	700.1,700.2,791.1,
611:2, 611:23,	single [5] - 589:22,	sleeve [1] - 645:7	707:23, 708:15,	130.10,000.21,

		-		
800:24	644:23, 652:22,	731:2, 731:5	system [25] - 593:15,	742:25, 757:12,
south [5] - 704:4.	765:10, 768:16,	stop [10] - 592:3,	654:4, 677:25,	792:18, 796:22
777:7. 777:9.	768:23, 776:23,	629:5, 652:4,	678:2, 679:5,	territory [1] - 616:6
777.10.777.12	785:1. 785:5. 792:25	652:11, 658:7,	684:14, 684:15,	test [9] - 593:3,
South (1) - 562:11	standpipe (8) - 581:4.	658:8. 658:12.	684:19, 684:22,	622:17, 623:24,
space (1) - 704:19	581.6 614.24	678:6, 737:13, 784:7	684:25, 685:7,	649:23, 663:18,
space [1] = 104.10	615:1 652:8	stopped (3) - 572:15.	689:19, 690:3.	724:14, 724:15,
speaking [1] - 740.20	657:15 781:22	572.21 760.7	690:4, 690:22,	790:5. 790:20
50000000000000000000000000000000000000	782.22	stons (1) - 698:25	692:13, 695:2,	testified [10] - 561:20.
704.0	standnings (R) -	stopwatch [3] -	695:3, 695:5, 695:8,	670:17.671:23.
Specified [2] - 704.20,	581:4 581:7	678.11 737.13	695:10, 695:23,	686:17, 693:8,
700.0	593:14 744:6	762:8	696:7. 696:14	703:11, 719:4.
specifies [1] - 755.15	783.6 786.23	stricken (1) - 612'8	systems [1] - 701:7	723:2, 728:22,
spelleu [1] - 729.2	786:24, 787:1	strictly (1) - 716:15		741:16
spena [1] - 727:2	standpoint (1) -	etructurally Mi-	Т	testify [2] - 668:23.
split [1] - 726:24	674.20	570-1		671:21
spoken [1] - 646:15	etands (2) - 563:5	subject (1) 643:24	Tab [4] - 621:15,	testifving [1] - 561:12
spot [3] - 633:9,	563:14	Subject [1] - 040.24	730:5, 730:6, 735:22	testimony (8) -
679:23, 746:25	etartup (4) 588-22		tablet [10] - 677:6,	640.19 643.4
spot-check [1] -	statement rol	000.25, 001.5	677:14, 678:10,	643:20 668:17
679:23	700.18 722.12	Substantially [1] ~	680:8, 681:5, 708:4,	668:20, 685:14
spots [2] - 736:6,	100.10, 122.15	090.20	708:5, 721:22,	731:11, 757:7
768:12	stating [1] - 047.11	SUDTRACT [1] - 007.0	725:19, 733:23	testing (77) - 592:25
spreadsheet [7] -	stationary [1] - 570.10	SUCCESS [1] - 092.3	tabletop [1] - 735:19	623:13, 623:18,
598:13, 598:16,	status [1] - 095.12	summary [4] - 6/4:13,	tablets [2] - 682:7,	623.21 623.25
687:14, 687:16,	stay [1] - 597.20	090.22, 700.1,	735:18	624:3. 624:6. 624:9.
700:14, 700:21,	staying [1] - 051:0	702:11	tabs [1] - 621:15	624:19.624:25.
702:10	stays [1] - 083.8	summing [2] - 627.22,	takeaway [1] - 570:20	625:3. 625:15.
spreadsheets [2] -	steam [1] - 662:23	/5/:3	talks [1] - 690:11	626:9, 626:23.
683:15, 698:19	Steel [51] - 561:4,	sun [22] - 642:7,	tally [1] - 761:19	627:6. 627:13.
stack [8] - 563:10,	561:10, 566:17,	642:10, 642:12,	tank [1] - 563:9	627:16. 628:6.
590:19, 591:16,	569:20, 571:25,	666:0, 666:12,	tasked [2] - 593:6,	628:23, 632:9,
592:24, 593:3,	5/2:4, 5/2:7,	000:15, 000:10,	683:18	633:14, 639:18,
603:25, 620:7,	5/2:15, 5/3:15,	700.0 700.0	technically [2] -	639:20, 639:24,
786:14	501:24, 504:7,	709.3, 709.0,	652:1, 685:5	640:4, 640:6,
Stage [7] - 596:6,	507.46 507.40	777.01 704.02	technician [12] -	640:12, 645:20,
596:12, 596:24,	507.10, 507.19,	705.10 705.20	562:24, 563:8,	650:12, 652:15,
597:1, 643:3,	097.11,040.1,	700.12, 700.22,	564:23, 565:2,	655:16, 657:8,
643:11, 643:12	049.23, 034.7,	709.9, 791.10,	594:25, 599:11,	659:9, 663:16,
stage [1] - 683:2	664.7 665.4 665.9	Sup (4) 784:10	704:13, 704:19,	667:22, 668:4,
stand [1] - 780:5	665-18 665-24	Sun[1] - 704.10	741:25, 742:4,	668:8, 695:3,
standalone [1] - 662:7	675:24 675:25	500-25 600-3	747:21, 759:21	699:10, 699:11,
standard [20] ~	676:5 676:7	601.2 601.6	technicians [1] -	699:13, 717:18,
611:10, 620:24,	681:24 683:11	supervisors [1] -	742:8	717:20, 722:4,
631:16, 638:6,	684:11 684:12	500.7	temperature [1] -	722:9, 722:12,
644:16, 646:10,	684:13 685:9	supposed (6) - 754'A	596:15	726:11, 726:14,
653:18, 701:25,	685:24 687:3	754.7 754.9 781.6	term [5] - 583:5,	729:15, 730:25,
702:1, 716:11,	691.12 691.14	781.13 708.21	583:6, 614:10,	739:3, 739:7,
735:8, 745:7,	694:15 695:6	Swallow (5) - 674-24	629:10, 667:5	739:10, 752:17,
/45:1/, /45:22,	695:8, 695:17	670-22 682-21	terms [28] - 566:24,	752:25, 753:3,
/40:0, /0/:1/,	696:4, 696:13	605.25 721.14	571:13, 577:11,	753:7, 753:11,
100:1, 100:0, 110:2,	699:3, 709:3	ewallow (1) = 692-19	578:5, 579:16,	753:15, 753:24,
/ 04:4	723:17, 730:4, 800.7	ewoar(4) _ 655-22	584:21, 586:2,	753:25, 754:16,
Standards [9] -	Steel's (5) - 621:14	swine (1) - 000.20	592:10, 592:23,	755:11, 757:12,
001:12, 003:22,	625.4 691.24	SWIPE[1] - 307.3	607:18, 608:17,	761:9, 761:22,
688:16, 693:13,	693.2 695.2	SWOIN [10] - 501:13,	609:21, 609:25,	771:11, 778:5,
098:19, 700:5,	sten (6) - 669-10	001.14, 001.20,	610:2, 616:10,	781:4, 781:6, 788:1,
700:9, 700:14,	703.4 722.21	0/0:1/, 0/1:23,	618:17, 627:12,	788:2, 791:1,
/02:19	728.16 741.1 741.6	703.11,718.4,	627:16, 628:5,	796:10, 800:21,
standing [12] - 5/8:14,	stens (3) - 581.12	741.16	664:21, 676:25,	800:24
035:15, 642:2,		141.10	692:3, 695:5, 707:9,	

	-	1	r	
tests [2] - 691:7, 755:7	660:13, 660:14,	595:5, 778:18	treatment [2] - 563:11	696:13, 699:3,
text [1] - 685:1	661:22, 683:8,	trained [11] - 607:13,	tried [1] - 612:15	701:17, 709:3,
thanked [1] - 570:7	694:20, 699:23,	615:4, 623:16,	trouble [1] - 684:17	723:17, 730:4, 800:7
that'd [1] - 783:20	714:14, 736:14,	641:9, 675:17,	truck [1] - 662:23	U.S.S [4] - 607:22,
theirs [1] - 736:7	737:21, 768:5,	677:5, 759:24,	trunk [1] - 619:7	610:13, 611:16,
themselves [1] -	771:25, 772:3,	762:15, 785:24,	tube [6] - 666:10,	614:4
561:7	772:4, 772:7,	786:2, 786:9	667:3, 667:6, 667:9,	ultimately [1] - 597:16
then-ACHD [1] -	772:13, 772:16,	trainer [1] - 657:2	780:19, 781:24	uncomfortable [1] -
616:20	772:21, 774:12,	trainers [2] - 763:21,	twelve [5] - 637:12,	658:18
thereabouts [1] -	775:14, 776:12,	787:23	709:19, 709:20,	underside [1] - 581:9
760.9	777:20, 784:10,	training [53] - 563:8,	732:10, 732:11	understood [1] -
thereafter (1) - 663.7	784:19, 789:8,	565:14, 565:16,	twenty [1] - 642:3	732:16
they've (1) 707.2	795:1, 796:14,	570:10, 570:14,	twenty-five [1] - 642:3	uniforms [1] - 735:18
thinking (1) - 707.2	796:17, 796:18,	595:7, 609:21,	twice (3) - 594:18.	union [1] - 572:7
third party (1) - 7 10.2	796:23, 796:25,	622:24, 624:5,	594:19. 711:23	unit [1] - 588:14
E02:40 601:4	797:3, 797:6, 798:3	624:8, 626:4,	two-door [1] - 661:25	United [3] - 561:4,
592:19, 091.1	topside [27] - 567:18,	645:14, 649:21,	two-minute (4) -	648:1, 756:6
thirds [1] - 020:0	578:17, 580:25,	657:25, 658:8,	646.25 647.2	University [1] - 673:7
thirteen [1] - 723:21	581:1. 581:14.	658:12, 658:19,	648:24 664:15	undated [1] - 752:22
Thompson [2] -	611:16, 612:18,	673:13, 690:11,	two-sided 11 - 604:8	upgrades (1) - 694:24
566:15, 658:11	612:21, 613:3.	690:14, 690:17.	two-aueu [1] - 004.0	upgrading 141 -
three-day [1] - 712:8	613.7 653.13	699.9 699.12	two-thirds [1] - 025.0	684-10
three-fourths [1] -	653:14, 653:15	704:16 717:22	two-year [2] - 505.1,	uneidedown [4] -
625:12	653:23 677:8	722:8 722:16	563:2	604-7
three-quarters [1] -	708.14 708.22	724.1 724.3	types [11] - 593:6,	004.7
797:15	708.23 711.11	726.13 726.18	706:1, 720:21,	US [3] - 565.9, 565.14,
throughout [4] -	700.23, 711.11,	720:10, 720:10,	724:19, 738:18,	585:15
571:17, 571:23,	720.24, 720.23,	720:10 720:23	744:24, 746:11,	Usable [1] - 695:22
581:23, 586:10	724.20, 733.7,	730.19, 730.23,	746:19, 799:8,	useful [1] - 608:20
tidy [1] - 567:25	740.0, 744.0,	730.24, 730.23,	799:11	uses [5] - 644:17,
time-wise [1] - 709:17	/00.19, /00.22	731:13, 733:12,	typical [9] - 566:23,	646:10, 685:12,
timed [3] - 762:5,	topsides [3] - 595.10,	739:0, 739:12,	707:8, 708:1, 708:2,	760:21, 776:3
762:6. 762:7	593:11, 593:12	752:14, 752:15,	711:6, 721:5, 721:8,	Utility [1] - 675:19
timeframe [4] -	total [13] - 628:14,	754:20, 754:23,	732:16, 770:2	
586:21, 588:2.	637:14, 637:21,	755:1,755:3,	typo [3] - 601:10,	
623:22, 641:14	637:22, 638:1,	750.10, 701.4,	601:13, 601:14	vacation (2) - 793.6
timing (3) - 629:2.	638:2, 638:3, 727:9,	774:20, 774:21,		703.7
680.2 762:10	/2/:16, /2/:18,	//4:24	U	735.7
tires (1) - 586.8	761:16	transmission [4] -	11 8 100 561:10	
title rat - 508:8	totally [1] - 588:16	695:6, 695:24,	U.S [53] - 501.10,	Valid [3] - 003.2,
633.25 755.20	touched [1] - 576:7	695:25, 743:1	563:22, 566:17,	683:10
titled #1 690:12	toward [1] - 777:11	transmit [1] - 701:16	569:20, 571:25,	Validates [1] - 683:8
TO	towards [2] - 595:10,	transmitted [1] -	572:4, 572:7,	value [1] - 614:21
10[1] - 300.1	625:12	680:18	572:15, 573:15,	Valves [1] - 729:11
today [4] - 501.12,	tower [2] - 579:22,	travel [2] - 580:9,	581:24, 584:7,	vantage [1] - 740:5
567:10, 569:11,	710:17	762:7	584:14, 585:21,	variability [2] -
595:18	track [2] - 579:12,	traveling [1] - 620:5	587:16, 587:19,	664:21, 664:22
tolerances [1] -	762:8	traverse [25] - 629:9,	597:11, 621:14,	varies [6] - 630:11,
729:17	tracks [4] - 579:10,	629:12, 632:1,	625:4, 649:23,	651:22, 652:9,
took [9] - 595:9,	579:11, 579:14,	632:14, 654:18,	654:7, 663:19,	690:20, 707:16,
629:11, 636:19,	586:8	663:6, 678:12,	664:2, 664:7, 665:4,	717:5
664:13, 675:21,	traction [5] - 579:9,	678:13, 711:11,	665:7, 665:18,	various [2] - 586:10,
675:22, 767:10,	579:10, 579:12,	711:14, 733:8,	665:24, 675:24,	656:16
769:23	579:13	737:9, 737:10,	681:24, 683:11,	vary [3] - 630:10,
top [50] - 576:19,	trade [11 - 599:8	762:17, 762:18,	684:11, 684:12,	664:12, 770:5
576:21, 577:16,	trailer (8) - 679:10.	770:22, 786:25,	684:13, 685:9,	VE [2] - 564:4, 564:5
578:16, 579:5,	679.17 682.16	787:1, 787:4, 787:6,	685:24, 687:3,	vehicle [2] - 567:3,
579:24, 580:4,	707:11, 735:12	787:11, 787:13,	691:12, 691:14,	597:20
580:9, 580:25,	735.13 735.16	787:17, 789:9	691:24, 693:1,	veolia [1] - 584:9
593:25, 604:2,	736.5	traverses [1] - 678:6	694:15, 695:2,	Veolia (391 - 564:13)
611:21, 633:11,	train (3) - 570-10	treat [1] - 597:9	695:6, 695:7,	571:22. 572:12
638:22, 648:2,	uani (a) - 070.10,		695:16, 696:4,	,

		-	1	T
585:6, 585:7, 585:8,	662:16, 681:8,	wearing [3] - 569:24,	670:14, 670:19,	705:9, 705:23,
585:9, 585:14,	685:24, 696:16,	570:7, 570:10	671:7, 671:13,	706:15, 706:19,
585:16, 585:17,	711:15, 730:7,	web [2] - 677:6,	671:20, 671:25,	707:10, 723:17,
592:16, 592:19,	742:20, 743:22,	677:20	693:23, 694:1,	726:25, 792:14,
601:4, 601:25,	744:10, 744:25,	web-based [1] - 677:6	694:4, 696:20,	800:6
608:1, 609:8,	745:5, 749:23,	Wednesday [2] -	697:3, 697:6,	works [7] - 592:8,
611:19, 614:6,	750:10, 750:16,	561:3, 725:4	701:13, 701:15,	640:8, 640:14,
616:19, 617:1,	750:23, 751:6,	Wednesdays [1] -	702:25, 703:8,	670:6, 685:7, 742:8,
643:14, 643:15,	751:9, 751:16,	725:6	703:14, 716:18,	782:20
664:4, 664:6,	756:5, 769:4	week [24] - 568:16,	718:3, 718:9,	
665:11, 692:18,	vision [5] - 566:20,	568:21, 597:22,	718:14, 722:19,	Y
692:19, 705:18,	766:15, 766:20,	597:23, 597:24,	726:23, 728:12,	ward (3) - 642-3
706:3, 706:12,	766:25, 767:7	683:25, 684:1,	739:21, 739:23,	716:10 716:12
709:3, 709:10,	visual [3] - 742:17,	684:3, 684:4,	740:22, 773:5,	varde (1) - 577:24
710:13, 719:16,	742:18, 751:1	707:24, 709:25,	792:1, 792:11,	yarda [1] - 563:1
719:18, 719:22,	visualizing [1] - 576:3	710:1, 710:3, 710:4,	792:12, 794:20,	563.2 586.22
792:18, 794:8,	Vivendi [1] - 585:15	721:4, 724:23,	794:22, 794:23	586:25 588:3
800:18	volume [2] - 755:14,	725:2, 727:3, 732:1,	Willis [10] - 561:8,	588:16 589:6
Veolia/US [1] - 565:5	775:8	758:9, 758:10,	561:16, 658:25,	589.9 594.18
versus [2] - 561:4,	Volume [5] - 662:3,	758:11, 758:25	667:18, 670:12,	594.19 676.6
574:7	693:2, 730:4,	weekends [3] - 710:8,	701:11, 703:6,	676:14 686:19
vertical [4] - 638:16,	755:15, 775:6	732:19, 732:20	718:7, 739:19, 792:9	691.3 691.4 691.5
639:4, 660:10,		weekly [1] - 683:16	Willis's [1] - 668:18	691:6, 691:8.
794:25	W	weeks [4] - 730:22,	wind [15] - 576:9,	711.23.721:25.
VEs [2] - 602:17,	wake w 567:1	747:5, 747:23, 793:5	612:1, 642:17,	726:8, 729:8,
608:4	Wake [1] - 507.1	while [1] - 662:17	642:20, 653:3,	775:19, 793:5.
via [2] - 593:24, 695:1	Waik [9] - 500.25,	white [2] - 580:14,	769:9, 769:12,	800:13
vice [1] - 674:10	711.13 713.13	711:20	777:3, 777:21,	yearly [1] - 724:14
Vice [1] - 672:9	713.22 714.2	whole [10] - 570:16,	785:8, 785:13,	vears [55] - 564:10,
Victor [1] - 729:3	714.11 772.5	588:14, 625:17,	785:10, 780:7,	564:11, 564:15,
view [9] - 624:14,	walked (11 - 570:5	641:19, 651:3,	700.10, 709.9	572:8, 572:22,
629:16, 662:1,	walking (6) - 606:5	685:3, 688:22,	WISE[1] - 709.17	572:23, 575:4,
662:20, 683:12,	654.23 713.15	748:8, 748:9, 772:10	withoraw [1] - 573.13	575:25, 585:22,
684:13, 776:12,	713.21 714.14	Wi[1] - 682:12	witness [21] - 501.11,	585:24, 586:11,
780:7, 784:18	762:19	Wi-Fi [1] - 682:12	501.17, 501.19, 660:15, 660:20	588:3, 589:4, 589:5,
viewable [1] - 683:3	walks (3) - 571:20	wide [6] - 634:24,	670:2 670:16	589:8, 596:25,
violates [1] - 659:15	627:7.662:19	635:2, 635:14,	671.22 703.7	598:25, 599:13,
violation [6] - 601:9,	walkthrough [1] -	765:23, 766:1, 766:8	703.8 703.10	599:14, 599:15,
613:7, 643:23,	731:14	wider [1] - 577:21	718.12 718.25	599:24, 600:1,
699:2, 701:22,	wall [1] - 578:8	width [2] - 576:14,	719.3 722.24	616:16, 641:16,
702:18	Walt 121 - 692:25.	576:19	723.1 728.18	643:6, 643:13,
violations [7] - 613:5,	731:22	WILLIS [73] - 561:8,	728:19, 728:21	643:16, 643:17,
636:22, 659:11,	WALTER [1] - 703:10	561:18, 561:22,	741:12, 741:15	643:18, 649:21,
098:13, 701:5,	Walter [1] - 703:19	585:20, 589:13,	witnessed [2] -	657:5, 657:19,
/UZ:8, /UZ:10	Washington [1] -	589:15, 589:18,	584:19, 585:25	664:12, 665:2,
VITUE [1] - 566:22	562:7	589:20, 590:7,	witnesses [3] -	665:10, 673:23,
VISIDIIE [1] - 003.0	wastewater [1] -	590.23, 591.7,	561:14, 718:7,	6/5:6, 6/5:7,
VISIDIE [47] - 304.0,	563:11	591.22, 005.11, 602:16, 602:20	718:15	692:22, 705:0,
502.9 601.17	watching [2] - 652:7,	603:22 604:5	wondering [1] -	705.20, 706.11,
600·17 618·8	731:15	608:25 609:3	740:12	700.10, 712.4,
618.21 619.14	Water [1] - 585:16	617:3 617:10	workbench [1] -	710.20 710.21
619.20 619.22	water [5] - 563:11,	617:14 617:21	735:19	719.20, 719.21,
626:10 626:14	564:2, 579:24,	644:5.644:7.659:1.	Works [22] - 566:8,	720.7, 792.15
631.22 632.2	705:22, 710:19	659:3, 661:3, 661:5	581:24, 584:15,	792.16 800.15
632.5 632.9 640.7	wear [10] - 569:2,	666:1, 667:19.	584:24, 585:2,	vellow [1] - 580:16
640:13, 640:15	569:16, 569:18,	667:21, 668:10.	607:6, 675:4,	vesterday 131 -
640:20, 641:7.	570:11, 570:12,	669:8, 669:13.	675:25, 676:10,	625:10, 686:13
645:2, 645:6. 656:7.	570:15, 570:17,	669:21, 670:4,	676:11, 676:22,	vounger [1] - 598:25
661:12, 661:23,	570:20, 571:1, 571:3	670:6, 670:9,	692:21, 703:24,	vourself (5) - 606:25
				,

660:24, 714:9, 735:25, 746:3 Ζ zero [8] - 647:15, 743:8, 743:9, 743:11, 743:14, 743:16, 783:19, 783:21 zeros [2] - 652:7, 652:12