CLEAN AIR COUNCIL

Allegheny County Health Department
Air Quality Program

In the Matter of: United States Steel Corporation — Mon Valley Works
400 State Street, Clairton, PA 15025

(Enforcement Order #180601, #190305, #190501, and
Administrative Order No. #181002-Revised)

Proposed Settlement Agreement and Order #190604, dated June 27, 2019

July 31, 2019

Written Comments by Clean Air Council

Clean Air Council ("the Council") submits these written comments regarding the Allegheny County Health Department's ("Department's") proposed Settlement Agreement with The United States Steel Corporation ("Proposed Agreement"), to resolve appeals of Enforcement Order #180601, #190305, #190501, and Administrative Order No. #181002-Revised.

The Council is a non-profit environmental organization headquartered at 135 South 19th Street, Suite 300, Philadelphia, Pennsylvania, 19103. The Council maintains an office in Pittsburgh. For 50 years, the Council has worked to improve air quality across Pennsylvania. The Council has members throughout the Commonwealth who support its mission to protect everyone's right to a healthy environment, including members in Allegheny County. The Council has approximately 35,000 activist members.

The parties agreed to make the Proposed Agreement available for public comment, with the understanding that it may be modified based on the receipt of public comments:

> WHEREAS the Parties acknowledge and agree that this Settlement Agreement is to be placed onto the ACHD website for 30 days beginning July 1, 2019 and that the public be permitted to offer comment. The Parties acknowledge and agree that this Settlement Agreement may be modified to address any comment that the Parties determine necessitates modification.

Proposed Agreement, pages 9-10. The Council submits these written comments, which supplement its verbal comments submitted at the public hearing on July 30, 2019.

1. **The Department Should Revise the Proposed Agreement to Make it Clear that the "Civil Penalty" Only Includes the 10% to be Applied to the Clean Air Fund ($273,250.40).**

While the Department may have assessed a civil penalty of approximately $2.7 million, that civil penalty was reduced by an amount to be applied to something else -- a supplemental environmental project ("SEP"). Therefore, the "civil penalty" includes only the 10% to be applied to the Clean Air Fund ($273,250.40). The Department should revise language in the agreement that states that the company shall pay a civil penalty of $2,732,504, and make similar conforming changes as set forth below. *See* Proposed Agreement Section (V)(9), page 15.

The purpose of a supplemental environmental project is to allow for a mitigation of a civil penalty, and not to act as a civil penalty. *See* U.S. Environmental Protection Agency, *Supplemental Environmental Projects Policy 2015 Update*, page 21, Section IX ("A primary incentive for a defendant to propose a SEP is the potential mitigation of its civil penalty …. Thus, any mitigation of penalties must be carefully considered."). https://www.epa.gov/sites/production/files/2015-04/documents/sepupdatedpolicy15.pdf.[1] EPA has made it clear that supplemental environmental projects are not penalties:

> ***SEPs are not penalties, nor are they accepted in lieu of a penalty***. However, ***a violator's commitment to perform a SEP is a relevant factor for the EPA to consider in establishing an appropriate settlement penalty***. All else being equal, the final settlement penalty will be lower for a violator who agrees to perform an acceptable SEP, compared to the violator who does not.

Id. (bold italics added).

Like the EPA policy statement, the Department's policy is also based on the premise that a supplemental environmental project is separate from a civil penalty. *See* Allegheny County Health Department, Air Quality Program, Civil Penalty Policy, dated January 9, 2018, page 5 ("An agreement by the violator to undertake a SEP, in addition to all actions required for the facility to come into compliance, may result in the mitigation of all or part of the civil penalty."),

[1] This is EPA's most recent policy statement. *See* U.S. EPA, *2015 Update to the 1998 U.S. EPA Supplemental Environmental Projects Policy*, https://www.epa.gov/enforcement/2015-update-1998-us-epa-supplemental-environmental-projects-policy ("The Updated Policy (Update) above revises and supersedes the February 1991 Policy on the Use of Supplemental Environmental Projects (SEPs) in EPA Settlements, the May 1995 Interim Revised SEP Policy, and the May 1998 EPA SEP Policy"). EPA's Civil Penalty Policy identifies a 1991 policy statement, which has been superseded. *See* U.S. EPA, Clean Air Act Stationary Source Civil Penalty Policy, October, 25, 1991, 22, https://www.epa.gov/sites/production/files/documents/penpol.pdf ("[t]he February 12, 1991 Policy on the Use of Supplemental Environmental Projects in EPA Settlements must be followed when ***reducing a penalty for such a project*** in any Clean Air Act settlement") (bold italics added).

page 6 ("The violator may propose a SEP to mitigate all or a portion of the civil penalty. The amount of penalty mitigation allowed for a SEP should be equivalent to a percentage of the estimated cost to implement the SEP."), https://www.alleghenycounty.us/uploadedFiles/Allegheny_Home/Health_Department/Programs/Air_Quality/HPA-363-Civil-Penalty-Policy.pdf.

At some points in the Proposed Agreement, the Department acknowledges this approach. *See* Proposed Agreement Section (V)(9)(A) page 15 ("The Parties agree that supplemental projects benefiting the local communities or environment are a preferred mechanism for ***offsetting a significant portion of the civil penalties***.") (bold italics added). But the Department still erroneously characterizes the money to be applied to the proposed supplemental environmental project as a civil penalty. *See id.*, Section (V)(9), page 15 ("U. S. Steel shall pay a civil penalty of Two Million, Seven Hundred Thirty-Two Thousand, Five Hundred and Four dollars ($2,732,504) for the violations alleged in the ACHD Orders.").

The text of the county's air pollution control regulations provides additional evidence that the proposed supplemental environmental project is not a civil penalty. Under the regulations, civil penalties are to be deposited into the Clean Air Fund:

> ***All penalties, fines***, interest, and other funds received by the County under this Article as a result of consent orders, noncompliance penalties, civil penalty actions, consent decrees, civil penalties, or summary proceedings, other than such funds provided for under paragraph 1 above, ***shall be paid into the Allegheny County Clean Air Fund***.

ACHD Rules and Regulations, Article XXI, Section 2109.07(b)(3), page I-7 (bold italics added), https://www.alleghenycounty.us/uploadedFiles/Allegheny_Home/Health_Department/Article-21-Air-Pollution-Control.pdf. Nothing in the county regulations indicates that civil penalties go to private parties. *See id.*, Sections §2109.02, 2109.03, 2109.06, 2109.07, 2109.09, and 2109.11.

Accordingly, the Department should make the following specific revisions of language in the Proposed Agreement:

1. In the first sentence in Section V(9) on page 15, the Department should change the words "shall pay" to "has assessed,"
2. In the second sentence in Section V(9) on page 15, the Department should change the words "civil penalty" to "this amount,"
3. In the third sentence in Section V(9)(A) on page 15, the Department should change the words "90% of the civil penalty amount included in Paragraph 9 above" to "90% of the civil penalty amount assessed in Paragraph 9 above," and
4. In the sentence in Section V(9)(B) on page 16, the Department should change the words "10% of the civil penalty due under Paragraph 9 above" to "10% of the civil penalty assessed under Paragraph 9 above."

2. The Department Has Not Established that the Proposed Trust Arrangement Would Qualify as a Supplemental Environmental Project.

The Department characterizes the proposed trust arrangement as a supplemental environmental project. *See* Proposed Agreement (V)(9)(A), page 15 ("[t]he Parties agree that supplemental projects benefitting the local communities or environment are a preferred mechanism for offsetting a significant portion of the civil penalties."). But it fails to provide anything more than a cursory description of this proposed project, and there is no evidence that it would be tied to public health, let alone to the reduction of harmful air emissions. This is not consistent with EPA's policy statement or the Department's own policy.

a. *The Department has not met the requirements for a supplemental environmental project under EPA's policy statement*.

While EPA's policy statement does not strictly apply to state agencies like the Allegheny County Health Department, state agencies are free to follow it. *See* U.S. EPA, *2015 Update to the 1998 U.S. EPA Supplemental Environmental Projects Policy*, Section III, page 7, fn. 7 ("These legal guidelines are based on federal law as it applies to the EPA; states may have more or less flexibility in the use of SEPs depending on their laws and this Policy does not purport to identify those requirements."), https://www.epa.gov/enforcement/2015-update-1998-us-epa-supplemental-environmental-projects-policy. In addition, the EPA policy statement is helpful for evaluating the Department's characterization of this arrangement.

EPA has defined supplemental environmental projects as "environmentally beneficial projects which a defendant agrees to undertake in settlement of an enforcement action, but which the defendant, or any other third party, is not otherwise legally required to perform." *See id.*, Section III, page 6. The phrase "environmentally beneficial" means that "a SEP must improve, protect, or reduce risks to public health or the environment." *Id.*, Section III(A), page 6. But the Proposed Agreement provides no evidence that this proposed trust will improve, protect, or reduce risks to public health or the environment. Rather, all it says is that "U.S. Steel shall establish a Community Benefit Trust having the Adjacent Communities as beneficiaries of that trust," and that "[t]he corpus of said trust shall be provided by a payment from U.S. Steel equal to 90% of the civil penalty amount included in Paragraph 9 above." *See* Proposed Agreement, Section V(9)(A), page 15. It also represents that "[t]he Adjacent Communities shall consist of at least the following: Clairton, Glassport, Liberty, Lincoln, and Port Vue." *Id.*

In fact, the Proposed Agreement provides no description regarding how the money is to be applied. This is not the detailed description of a proposed supplemental environmental project that is required by EPA guidance:

> ***The settlement agreement must accurately and completely describe the SEP. It must describe the specific actions to be performed by the defendant, and should include a completion deadline and, where appropriate, interim milestones for long-term or complex SEPs, as well as a detailed cost estimate***. The defendant should also be required to provide documentation

> supporting its cost estimate. ***Negotiating teams should determine what potential SEP costs are not eligible for inclusion in the cost estimate on which the penalty mitigation is based***. Examples of costs to consider that are generally not appropriate for inclusion include: overhead; additional employee time and salary; administrative expenses; most legal fees; and contractor oversight. If the defendant is unable or unwilling to provide documentation supporting its cost estimate, the SEP should not be accepted. ***The settlement agreement should also include a reliable and objective means to verify that the defendant has completed the project on time and in a satisfactory manner***. For complex or long-term SEPs, including a requirement for the defendant to submit periodic status reports is recommended.

See 2015 Update to the 1998 U.S. EPA Supplemental Environmental Projects Policy, Section X(A), page 25 (bold italics added), https://www.epa.gov/sites/production/files/2015-04/documents/sepupdatedpolicy15.pdf. None of these requirements have been met in the proposed agreement.

Given the lack of detail regarding this proposed trust arrangement, it is possible that it is simply the continuation of a longstanding "pay to pollute" approach to the company's air permit violations. The additional wrinkle is that the "payment" now would be going to communities. If that is the case, this would not qualify as a supplemental environmental project under the EPA policy statement. *See id.*, Section VI(C), page 17 (cash donations to community groups, environmental organizations, and other third parties are not acceptable as SEPs),[2] Section VI(E) (projects which, though beneficial to a community, are unrelated to environmental protection are not acceptable as SEPs), Section VI(J), page 18 (projects that are not complete, discrete actions with environmental or public health benefits are not acceptable as SEPs).

b. *The Department has not met the requirements for a supplemental environmental project under DEP's policy statement*.

The Pennsylvania Department of Environmental Protection ("DEP") has its own guidance document on supplemental environmental projects, using the term Community Environmental Projects (CEPs). *See* Pennsylvania DEP, *Policy for the Consideration of Community Environmental Projects in Conjunction with Assessment of Civil Penalty* (2014), http://www.depgreenport.state.pa.us/elibrary/GetDocument. The premise of DEP's policy is that CEPs are different from civil penalties. Rather than including a CEP in a civil penalty, the policy states that DEP may consider a CEP "in determining the amount of the civil penalty." *See id.*, Section II, page 1. Upon review of a proposed CEP, DEP will make a "recommendation regarding final penalty amount taking into consideration the CEP, if deemed acceptable." *See id.*, Section II(D), page 3.

Moreover, the company's longstanding history of noncompliance with the Clean Air Act would disqualify it from advancing the proposed supplemental environmental project:

[2] Federal law prohibits the diversion of penalty funds from the U.S. Treasury. *See id.*, fn. 25.

> ***The department will generally not consider a CEP if*** the violation was intentional, willful, or the result of gross negligence;...***or, the person or regulated entity has a poor compliance history or a pattern of violations similar to the current violation***. Exceptions may be made if the benefit to the community is sufficient to outweigh other concerns.

See id. (bold italics added). As discussed in Comment #6 below, the company has a poor compliance history, with multiple violations at various facilities dating back decades.

In addition, the proposed project would not qualify as a supplemental environmental project under DEP's policy because there is insufficient evidence that it would be related to public health and air quality. *See id.*, Section II(B), page 2 ("[u]nacceptable projects include … [p]erformance of projects not directly related to public health and safety or the environment ….").

Finally, as discussed above under EPA's policy statement, the Proposed Agreement does not provide the necessary factual information required by DEP's policy. *See id.*, Section II(C), page 2 (setting forth requirements for the description of a project in a written CEP proposal, including costs and resource allocation, and proposed benefits to public health and safety or the environment).

c. *The Department has not met the requirements for a supplemental environmental project under the Department's civil penalty policy.*

The Department's Civil Penalty Policy tracks the general principles of EPA's and DEP's policy statement. Its definition of "supplemental environmental project" is similar to DEP's definition. *See* Air Quality Program, Civil Penalty Policy, Section IV, page 5 ("A SEP is defined as a project or activity that improves, protects, or reduces the risk to public health or the environment, and that is not otherwise required by law."), https://www.alleghenycounty.us/uploadedFiles/Allegheny_Home/Health_Department/Programs/Air_Quality/HPA-363-Civil-Penalty-Policy.pdf. Consistent with EPA's policy statement, the Department's policy states that "[t]he SEP must improve, protect, or reduce the risk to public health or the environment." *See id.*, Section IV(A)(1), page 5. Just as the Proposed Agreement fails to satisfy a similar requirement in the EPA policy statement, it also fails to satisfy this requirement in the Department's policy.

In addition, the Department has not included all the details of the proposed supplemental environmental project in the Proposed Agreement. The Department's policy sets forth eight detailed requirements for a SEP proposal:

> The SEP proposal must be in writing and include the following information:
>
> a. Project description;

b. Location of project;
c. Implementation and reporting schedule;
d. Costs of the project with supporting documentation[3];
e. Expected benefits to the public health and/or environment;
f. The area that will benefit from the project;
g. Resources that will be necessary to ensure project completion; and
h. Identify any partners involved in the project.

[3] Documentation such as appraisals, bid proposals, invoices, contracts, and third-party cost estimates may be submitted to establish the estimated cost of the SEP.

Id., Section IV(C)(3), page 7. These requirements are substantially similar to those DEP's policy. *See* PA DEP, *Policy for the Consideration of Community Environmental Projects in Conjunction with Assessment of Civil Penalty,* Section II(C), page 2. While the Proposed Agreement is technically not a "SEP proposal," the details of the supplemental environmental project would presumably such information, and the Department's policy requires that the details be included in the Proposed Agreement:

> ***The details of any SEP***, including schedules and interim reporting schedules, ***shall be*** agreed to by all parties and be ***made a part of the legally enforceable settlement document***.

See id., Section IV(C)(5), page 8 (bold italics added). Again, all we know about this proposed project is that the company will put a certain amount of money into a trust for several communities.

Under either EPA's policy statement or the Department's policy, the proposed project does not qualify as a supplemental environmental project.

3. <u>The Department Has Not Established that the Proposed Agreement Will Lead to Significant Reductions in Air Emissions from the Clairton Facility</u>.

Third, it is questionable whether the agreement will lead to significant emissions reductions. There are uncertainties regarding how much the replacement of the PEC baghouses will reduce air emissions. The long timetable raises the question whether equipment should or would have been replaced anyway. Any emissions reductions from the installation of a mechanism to reduce fugitive emissions from the B Battery shed would be modest. It is unclear whether and to what extent there may be emissions reductions from a stack replacement or a "through wall" repair.

Because the company has repeatedly violated air permit requirements, it should do more to upgrade its equipment to reduce emissions. For example, the facility should explore the installation of spring-loaded doors on the coke oven batteries. It should consider dry quenching, alternative means of charging, improved ways of stopping leaks, and cleaner testing methods.

Most of the proposed technical measures involve changes that fail to prescribe substantive requirements that would reduce air emissions. *See* Proposed Agreement, pages 12-15. Out of the entire compliance plan, there are only a few technical measures that directly address reducing air emissions, but there is insufficient evidence to indicate there will be a significant reduction in air emissions.

First, installing a mechanism to reduce fugitive emissions from the B Battery shed is not likely to result in a significant reduction of emissions. *See* Proposed Agreement Section IV(A), page 12. Based on the facility's actual emissions in 2014, fugitive emissions from the B Battery shed (PEC Fugitives) were about 5.75 tons/yr of PM2.5 and 11.5 tons/yr of PM10. *See* Attachment 1, 2014 Air Emissions Inventory, Table 2.1.A. Therefore, any reductions in air emissions would be modest.

Similarly, provisions requiring monthly flue temperature readings are not likely to lead to direct emissions reductions. *See* Proposed Agreement, Section IV(C), page 12 (requiring the company to "conduct monthly flue temperature readings to determine battery performance..."). The Proposed Agreement does not prescribe what the company must do if the temperature readings reach a particular threshold. It should contain more specific terms that indicate what the company should do if it finds that batteries are underperforming by leaking additional emissions.

Additionally, air compliance audits conducted by third parties are not likely to lead to direct emissions reductions. *See* Proposed Agreement Section (V)(D), page 13. Also, there is a vague description of a corrective action plan that the company would have to submit. The language merely requires the company to "address audit findings." *See id.* Also, the requirement that the corrective action plan be "technically and economically feasible" provides an opportunity for the company to avoid meaningful improvements. Finally, the language only states that "[t]he ACHD will review and may approve the corrective action plan." *See id.* The agreement should instead state that "[t]he ACHD will review and shall approve or disapprove the corrective action plan," and the agreement should require the company to submit another corrective action plan following a disapproval by the Department, for approval or disapproval.

Replacing the PEC baghouses could potentially reduce air emissions, but it is not clear whether there would be a meaningful decrease in air emissions. *See* Proposed Agreement Section (IV)(E), page 13. There have been significant emissions of particulates from the batteries. In 2017, PEC fugitive emissions of $PM_{2.5}$ from batteries 13-15 were 27.82 tons and PEC fugitive emissions of $PM_{2.5}$ from batteries 19-20 were 29.22 tons. *See* Attachment 2, Allegheny County Health Department, 2017 Air Emission Inventory, Table 2.1.A. In that same report, PEC fugitive emissions of PM_{10} from batteries 13-15 were 55.65 tons and PEC fugitive emissions of PM_{10} from batteries 19-20 were 58.43 tons. *See id.* But replacement of the PEC baghouses will not entirely eliminate these emissions.

Moreover, the Proposed Agreement contemplates the submission of an installation permit in July 2020 and the construction of new baghouses within 28 months afterwards. This means a period of over three years. To evaluate this proposal, it is important to consider the facility's timeframe for maintenance and upgrades to the baghouse system, and the existence of newer and

more improved baghouse technologies. The Department should provide more information so that the public can evaluate the effectiveness of this proposal.

The stack replacement is not likely to directly reduce air emissions because emission stacks are not control devices. *See* Proposed Agreement Section (IV)(G), page 14. Rather, they simply act as a conduit to loft emissions so that they may disperse more readily. Generally speaking, add-on stack controls could be inserted on an emission stack to reduce emissions. But the Proposed Agreement does not specify any such requirements. *See id.*

As with the PEC baghouses, there are uncertainties regarding whether a "through wall" repair may reduce emissions. *See* Proposed Agreement, Section (IV)(H), page 14. A "through wall" is a wall between different ovens in a battery. It is not the external wall of a battery. The uncertainties include the extent of the damage of the original wall, how efficient the repair will make the ovens, and how this will translate into emissions reductions.

A solution that would help reduce air emissions significantly would be replacing leaking doors with spring-loaded doors. According to the Air Emissions Inventories from 2014 and 2017, significant emissions from the Clairton facility have come from leaking doors. Requirements to update and improve these leaking doors are notably absent from the agreement. If the company is paying a civil penalty for violating air permit requirements, it is incumbent on the company to upgrade its equipment to reduce its air emissions, and not simply put money into a trust for communities.

Other potential technologies and solutions that could be implemented at the Clairton Works to achieve meaningful emissions reductions include single oven pressure control, such as the PrOven system employed on Battery C, a dry quench cogeneration system, German testing methodologies, and more complete coke side enclosures. All of these technologies exist and are currently implemented outside of the United States, particularly in Japanese and German steel making industries. The simple fact that they are not currently implemented in the United States is no excuse to dismiss them out of hand, especially when real strides towards meaningful emissions reductions could be made.

4. <u>The Department Sets Bad Policy by Perpetuating an Expectation of Less than 100% Compliance</u>.

The Proposed Agreement perpetuates an understanding to base proposed regulations on a certain percentage of past noncompliance. The proposed settlement appears to be the culmination of a coke oven regulatory initiative that was unsuccessful last year. *See* Proposed Agreement, Section VII(12), page 19 ("The Department may pursue a rulemaking to impose more stringent limits on the coke batteries (except C Battery) only if the more stringent limits are determined to be, inter alia, technically feasible in accordance with this Paragraph."). Only if proposed standards would result in a compliance rate of 99% for all regulated emissions points on a battery over any consecutive 12-month period during this five-year period, would proposed regulations be acceptable. *See id.*, Section VII(12)(B), page 20. If the basis for proposed regulations is a past level of noncompliance, this acts as a strong impediment to improving the regulations.

Last year, the Department backed down from its proposed coke oven regulations after the company criticized it for asserting that they were based on "an analysis and review by individuals with extensive coke oven experience," rather than on the company's ability to attain and maintain the proposed standards. But there is nothing wrong with conferring with individuals with extensive coke oven experience to find technical innovations to improve compliance at the facility. The question is not whether the retrospective application of proposed regulations would have hypothetically resulted in a greater number of violations. (The answer to this loaded question will always be "yes"). Rather, the real question is what the company can do to reduce emissions, by developing appropriate technologies or changing methods of operation.

In 2018, the Department proposed revisions of its coke oven regulations. Following a conference with the company, the Department stated that the proposed regulations were based on an analysis and review of current regulations and a discussion of proposed revisions with individuals with extensive coke oven experience. *See* Attachment 3, Letter from the Department to U.S. Steel, dated August 1, 2018. In response, the company argued that this was a change from the understanding of the parties regarding the basis for the regulations. The company stated that the understanding was that the regulations were "based upon a review of U.S. Steel inspection data by the county that purportedly showed that U.S. Steel was able to attain and maintain the proposed standards." *See* Attachment 4, Letter from U.S. Steel to the Department, dated August 22, 2018.

Subsequently, the company made a presentation to the Department in which it asserted that "U. S. Steel has not identified any other by-product coke battery that can continuously achieve compliance with the current Article XXI standards let alone the proposed Article XXI standards." *See* Attachment 5, U.S. Steel Presentation dated October 9, 2019. It stated that it is working with a consultant to review the proposed coke oven regulations to see if any battery on a world-wide scale is capable of meeting the standards on a continuous basis. *Id.* It requested that the revision of the coke oven regulations be deferred until completion of the approved U. S. Steel's battery assessment dated August 6, 2018. In March 2019, the Department issued an Administrative Order to the company compelling it produce information and documents which it had promised to provide but had not done so. *See* Administrative Order dated March 19, 2019.

As the Council has not seen any further action toward the finalization of the coke oven regulations that were proposed last year, the Proposed Agreement represents a step backward for coke oven regulations.

5. <u>The Department Compounds Bad Policy by Restricting its Ability to Adopt Technology-Forcing Regulations.</u>

Rather than looking to other technological developments outside the facility as a basis for proposed regulations, the company has persuaded the Department to use its record of noncompliance as the baseline for evaluating the acceptability of any proposed regulations. *See* Proposed Agreement, Section VII(12), page 19 ("The Department may pursue a rulemaking to impose more stringent limits on the coke batteries (except C Battery) only if the more stringent limits are determined to be, inter alia, technically feasible in accordance with this Paragraph.").

The phrase "technically feasible" is defined by reference to past compliance, rather than by reference to available or potentially available technology. *See id.*, Section VII(12)(B), pages 19-20. This hamstrings the Department's ability to make its coke oven regulations more stringent or to facilitate improvements in technology.

In other words, the Department has made an agreement with the company not to promulgate any coke oven regulations that are technology-forcing in nature. Technology-forcing regulations are regulations that require a level of performance that may be achievable in the future, even if it is not achievable now. (This is what led to the development of the catalytic converter in cars).

The question of what the company can do to comply with the proposed regulations has been missed entirely, both in the communications between the company and the Department, and in the text of the Settlement Agreement itself. The company and the Department have not been discussing the things that the company can be doing in order to come into compliance with the proposed regulations. If the company is ever going to achieve emissions reductions, that dialogue must change.

6. <u>The Proposed Agreement Continues to Allow the Company to "Pay to Pollute"</u>.

All of this leads to the Department continuing to allow the company to "pay to pollute." The money is simply a cost of doing business, and it is less than what the company would have to spend to actually address the problem. The Battery C upgrade in 2012 reportedly cost at least $500 million. *See* Graycor, Project Scope, http://www.graycor.com/projects/us-steel-clairton-plant-coke-oven-battery/ ("Graycor Industrial Constructors completed work on United States Steel Corp.'s C Battery at the steelmaker's Clairton Plant, the nation's largest coke manufacturing facility with an annual production rate of 4.5 million tons. The $500-million project, which represents the largest investment ever made at the plant, replaces decades of old coke ovens with new environmentally advanced technology. U.S. Steel's C Battery at Clairton was put into operation in November 2012").

The "pay to pollute" concept involves corporations treating fines "as predictable business expenses that can be weighed against the cost of changing a product or process to make it safer." Darlene R. Wong, *Stigma: A More Efficient Alternative to Fines in Deterring Corporate Misconduct*, 3 Cal. Crim. L. Rev. 3, 1 (Oct. 2000), https://pdfs.semanticscholar.org/4653/806397c0b0ab40f12007e6cd5ed3cffbbe7e.pdf. Unless penalties are greater than "what it would cost to comply with environmental laws, they encourage rather than deter non-compliance." David R. Hodas, *Enforcement of Environmental Law in a Triangular Federal System: Can There Not be a Crowd When Enforcement Authority is Shared by the United States, the States, and Their Citizens?* 54 Md. L. Rev. 1552, 1606 (1995), https://digitalcommons.law.umaryland.edu/cgi/viewcontent.

In Allegheny County, the phenomenon has a particular dimension. On the one hand, the coke oven regulations are reportedly the most stringent in the country. *See* Attachment 5, U.S. Steel Presentation, page 4 ("[t]he existing Article XXI coke oven regulations are the most stringent across the country"). On the other hand, the company asserts it cannot comply with

existing regulations, let alone the proposed regulations. *See id.*, page 8 ("To date, U. S. Steel has not identified any other by-product coke battery that can continuously achieve compliance with the current Article XXI standards let alone the proposed Article XXI standards."). The practical effect is that the Department can easily impose a civil penalty that the company will readily accept as a means of stalling needed upgrades. The people in the community who have to breathe the bad air get whipsawed when enforcement actions and regulatory initiatives do not address the things the company needs to do to significantly reduce air emissions.

To illustrate the concept of "pay to pollute," the desulfurization plant breakdown for three months this year was not a first-time event. It happened in 2009, when there was a four-month failure of the plant's desulfurization plant:

> On September 3, 2009, U. S. Steel's Mon Valley Clairton Plant incurred a catastrophic failure of its Desulfurization Plant. Because of this event, the Clairton, Edgar Thomson, and Irvin plants exceeded their sulfur limit for air emissions when burning coke oven gas. ***The Desulfurization Plant was inoperable from September 3, 2009 through early January 2010***. On March 25, 2010, the ACHD issued an NOV and a Settlement Offer for the Statement of Violation for the Clairton Plant for the last three quarters of 2009, which included alleged violations attributable to the outage of the Desulfurization Plant. ***The NOV was settled in the second quarter of 2010 without admission of liability with a penalty payment of $61,225***.

United States Steel Corporation, 2010 Form 10-K, page 46 (bold italics added), https://www.sec.gov/Archives/edgar/data/1163302/000119312511042228/d10k.htm. The payment of a civil penalty did not prevent the second event this year.

Moreover, the context is a long history of enforcement actions against the company under the Clean Air Act. Since 1990, a combined 91 formal enforcement actions have been initiated against the Clairton Plant and the Edgar Thomson Plant. *See* U.S. Environmental Protection Agency, *Integrated Compliance Information System - Air, USS/Clairton Works*; U.S. Environmental Protection Agency, *Integrated Compliance Information System - Air - USS/Edgar Thomson Works*, https://enviro.epa.gov/enviro/airsquery.detail_plt_view?p_id=PAACH0004200300202. Most of these formal enforcement actions (85 in number) were filed based on violations at the Clairton facility. *See id.*

Many of these resulted in large penalties. In a 1993 consent order, there was a $1.8 million penalty. *See* U.S. Environmental Protection Agency, *FY 1993 Enforcement Accomplishments Report*, page 3-102, https://nepis.epa.gov/. In 1994, EPA brought an action for violations of NOx standards, leading to a $125,000 penalty. *See* U.S. Environmental Protection Agency, *Enforcement and Compliance Assurance Accomplishments Report, FY 1995, page A-17,* https://nepis.epa.gov/Exe. In 1999, a penalty of $550,000 was imposed for visible emissions violations in 1996 and 1997. Notice of Lodging of Consent Decree Under the Clean Air Act, 64

Fed. Reg. 61,663 (November 12, 1999), https://www.govinfo.gov/content/pkg/FR-1999-11-12/pdf/99-29511.pdf. In 2007, there was a consent order involving a $395,900 penalty. *See* U.S. Environmental Protection Agency, *Civil Enforcement Case Report, USS/Clairton Works 420030003200472*, https://echo.epa.gov/. In 2008, there was a consent order involving a $301,800 penalty. Allegheny County Health Department, *Consent Order and Agreement* (March 17, 2008), http://pacokeovens.org/wp-content/uploads/2016/08/17-Mar-2008-USS-ACHD-consent-agreement.pdf.

In 2014, there was a $300,000 penalty for violations associated with new equipment installed in 2012. *See* U.S. Environmental Protection Agency, *Civil Enforcement Case Report, 8/7/2014 Battery C CO & A, stack test failure*, https://echo.epa.gov/enforcement-case-report?id=PAACHA200117975. In 2016, a $3.973 million penalty for opacity violations from the company's coke batteries was memorialized in a consent judgment. *See Consent Judgment*, County of Allegheny v. U.S. Steel, No. GD-16-004611 (Ct. Com. Pl. Allegheny County 2016), http://pacokeovens.org/how-is-coke-regulated/actions-against-u-s-steel-clairton/.

Despite that $3.973 million penalty in 2016, the company's batteries have continued to violate opacity standards. For these violations, the company paid another $34,000 penalty in 2017 and another $45,400 penalty in 2018. *See* Attachment 6, *U.S. Steel Clairton Works Title V Operating Permit #0052 Quarterly Report* (Jan. 2017-Mar. 2017), page 2; *See* Attachment 7, *U.S. Steel Clairton Works Title V Operating Permit #0052 Quarterly Report* (Jan. 2018-Mar. 2018), page 2.

The Proposed Agreement presents a new twist to this historical pattern. Now, the Department proposes to direct some of the money to adjacent communities. *See* Proposed Agreement, Section (V)(9)(A), page 15 (requiring the payment of $2,459,253.60 into a proposed trust for adjacent communities). If there were no *quid pro quo* for this payment, this arrangement might not be objectionable. But the consideration for this payment is that the Department is significantly restricting its ability to adopt proposed coke oven regulations in the future. (See Comment # 4 and Comment # 5 above). That is why this continues to be a "pay to pollute" arrangement.

Of course, the payment of $2.7 million payment is a relatively low cost of doing business for the company. In 2018, the company increased its profits by over half a billion dollars. It reported more than $950 million in adjusted net earnings, which was approximately $616 million more than the previous year. United States Steel, *United States Steel Corporation Reports Fourth Quarter and Full-Year 2018 Results*, https://www.sec.gov/Archives/edgar/data/1163302/000116330219000006/x20181231earningsrelease.htm. Because the Battery C upgrade in 2012 reportedly cost upwards of $500 million, there is a clear incentive for the company to continue business as usual, paying to pollute. *See* Graycor, Project Scope, http://www.graycor.com/projects/us-steel-clairton-plant-coke-oven-battery/.

The Department does not lack enforcement options. The Department has a statutory responsibility to protect the "health, safety and welfare of all its citizens" by ensuring that industrial sources comply with emission standards. *See* Allegheny County Health Department,

Rules and Regulations, §2101.02(a)(1), §2101.07(a). It has authority to restrain or enjoin violators "from engaging in any activity in violation of a regulation or permit that is presenting an imminent and substantial endangerment to the public health or welfare, or the environment." *Id.*, §2109.2(a)(1). It has authority to revoke any license or installation or operating permit associated with the noncompliant facility. *Id.*, §2109.2(a)(2). It should be using these authorities to require the company to do things to bring its coke oven batteries into compliance. These things may include the technical options set forth in Comment # 3 above.

Considering the repeating cycle of noncompliance followed by enforcement action followed by noncompliance, it is clear that this is just a "pay to pollute" arrangement. The Department can and should be doing better than this for its citizens.

7. <u>The Proposed Agreement Fails to Provide Sufficient Information Regarding the Proposed Trust Arrangement</u>.

The Proposed Agreement does not provide sufficient details regarding the trust arrangement, including limits on the use of the money. Presumably, the creation of a trust will require a written document. But none is attached. The public cannot understand it without a written agreement. There is no discussion regarding the appointment or duties of a trustee, which presumably would be an individual or organization not affiliated with the company.

Pennsylvania is one of twenty-two states that have adopted the Uniform Trust Code. *See* 20 Pa.C.S. §7701 et seq. Under the code, a trust is created only if "the settlor signs a writing that indicates an intention to create the trust and contains provisions of the trust." *See* 20 Pa.C.S. §7732(a)(2). Furthermore, a trust is created by a written instrument, written declaration, or a written exercise of a power of appointment. *See* 20 Pa.C.S. §7731. Absent a trust instrument explaining the details, it is impossible for people in the community to evaluate the proposed trust arrangement.

Additionally, a formal trust agreement is necessary for determining the classification of any proposed trust arrangement. It is unclear if the parties are contemplating a charitable trust or a private (noncharitable) trust. The Proposed Agreement merely states that the beneficiaries of the trust will include "the Adjacent Communities." This vague reference does not identify who exactly would be recipients of distributions from the trust, and what would be proper purposes for such distributions. To be valid, a noncharitable trust must have definite beneficiaries. *See* 20 Pa.C.S. §7732(a)(3). In the case of a charitable trust, the beneficiaries do not need to be unspecified. *See* 20 Pa.C.S. §7732(a)(3)(i). This distinction is crucial because different requirements may apply. *See e.g.*, 20 Pa.C.S. §7735 (setting forth requirements for enforcement of a charitable trust); §7740.4 (setting forth requirements for modification or termination of a noncharitable trust).

Similarly, the purpose of the proposed trust arrangement is vague. The only indication of the purpose of the trust is the suggestive name used to identify the trust -- a "Community Benefit Trust." *See* Proposed Agreement, Section V(9)(A), page 15. Because there is no limitation on the use of money in the trust, we do not know what is the purpose of the proposed trust. *See id.*, pages 15-16.

Finally, the Proposed Agreement is silent regarding the identity of the trustee of the trust and the role of the company in the administration of the trust. The company should not be allowed to participate in the management or distribution of any trust assets. *See* 20 Pa.C.S. §7774 ("***A trustee shall administer the trust as a prudent person would***, by considering the purposes, provisions, distributional requirements and other circumstances of the trust and by exercising reasonable care, skill and caution.") (bold italics added); *see also* 20 Pa.C.S. §7780.5 (("a ***trustee*** has ***all the powers*** over the trust property...") (bold italics added). As the settlor, or creator of the trust, trustee should serve the purpose of the trust and "administer the trust solely in the interests of the beneficiaries." *See* 20 Pa.C.S. §7772(a).

Thank you for your consideration of the comments of the Council.

_____

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Attachment 1

2014 Air Emissions Inventory

Table 2.1.A
U.S. Steel Clairton Plant
Air Emissions Inventory

	A	B	C	D	E	F	G	H	I	J
3	Source	AES	2014 Actual Emissions							
4		Subfacility	PT	PM_{10}	$PM_{2.5}$	PMCOND	CO	NO_x	SO_2	VOC
5		ID	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)
141	PEC Fugitives - Batteries 7-9	169	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
142	PEC Fugitives - Batteries 13-15	175	98.5474	45.3318	22.6659	0.0214	3.3519	0.9132	5.2141	0.0890
143	PEC Fugitives - Batteries 19-20	181	116.2000	53.4520	26.7260	0.1065	4.0266	1.0812	6.2636	0.0818
144	PEC Fugitives - Batteries B	187	25.0000	11.5000	5.7500	0.1614	1.7254	0.6143	2.6840	0.1331
145	PEC Fugitives - Batteries C		84.0176	36.3796	14.0309	21.9373	14.7027	0.6044	5.1982	17.9699
146	Total - PEC Fugitives	---	399.1219	181.3276	86.5049	22.2943	26.3095	3.9627	23.2533	18.4074

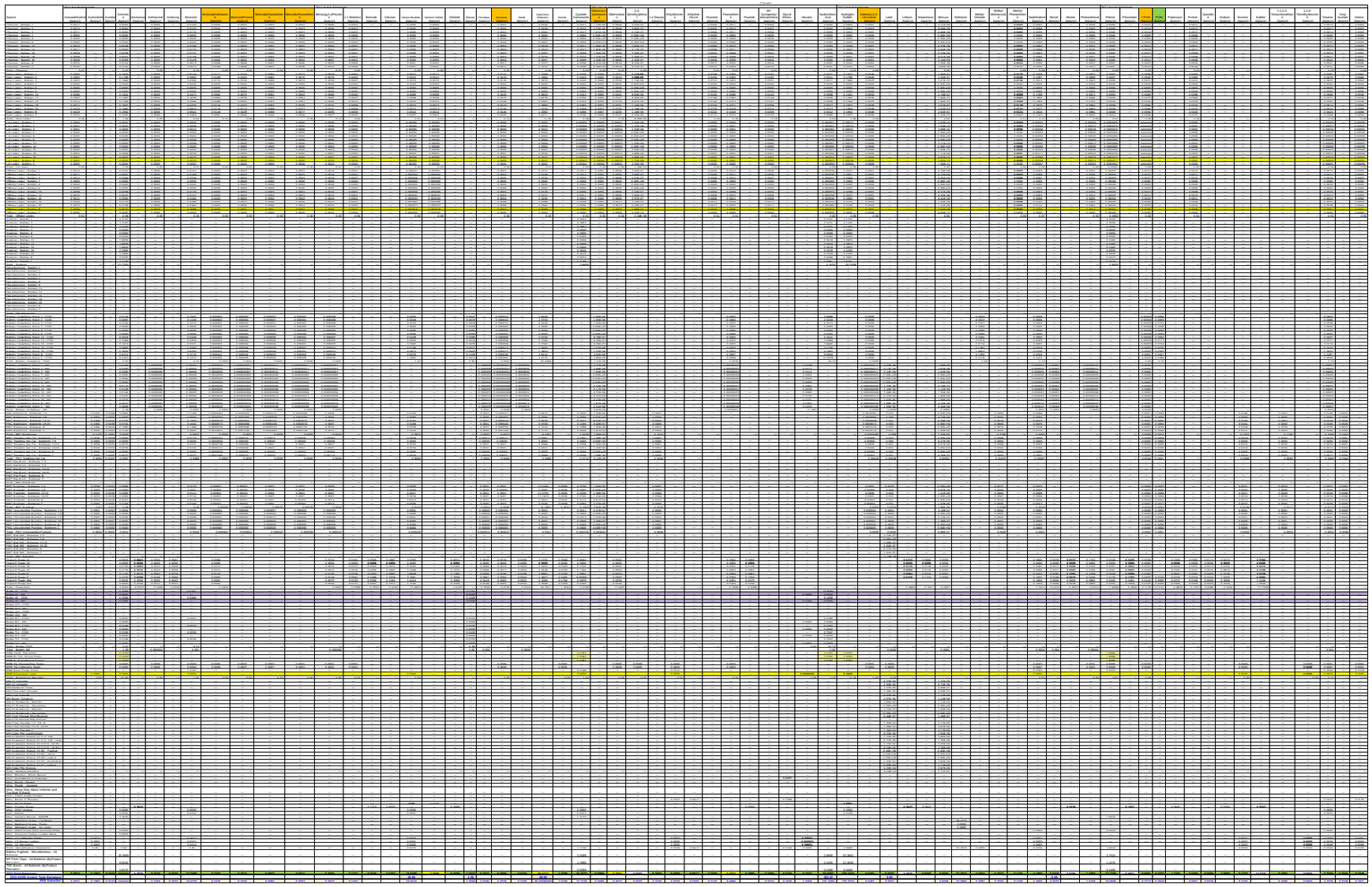
Attachment 2

2017 Air Emission Inventory

Table 2.1.A
U.S. Steel Clairton Plant
Air Emissions Inventory

Source	AES Subfacility ID	2017 Actual Emissions							
		PT (tons/yr)	PM_{10} (tons/yr)	$PM_{2.5}$ (tons/yr)	PMCOND (tons/yr)	CO (tons/yr)	NO_x (tons/yr)	SO_2 (tons/yr)	VOC (tons/yr)
PEC Fugitives - Batteries 1-3	163	146.1475	67.2278	33.6139	0.1774	2.7186	0.7208	0.5610	0.1450
PEC Fugitives - Batteries 7-9	169	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PEC Fugitives - Batteries 13-15	175	120.9769	55.6494	27.8247	0.1080	2.2683	0.5987	0.4681	0.0602
PEC Fugitives - Batteries 19-20	181	127.0261	58.4320	29.2160	0.1459	2.3644	0.6253	0.4879	0.0480
PEC Fugitives - Batteries B	187	20.0532	9.2245	4.6122	0.0966	1.7012	0.5880	2.6462	0.4213
PEC Fugitives - Batteries C		84.5302	36.6016	14.1165	0.0261	1.9035	0.3770	2.2318	0.1642
Total - PEC Fugitives	---	498.7339	227.1353	109.3834	0.5542	10.9559	2.9098	6.3950	0.8388

Table 3.5.A
U.S. Grand Canyon Park
Air Emissions Inventory



Attachment 3

Letter from the Department to U.S. Steel
August 1, 2018

COUNTY OF ALLEGHENY

RICH FITZGERALD
COUNTY EXECUTIVE

August 1, 2018

VIA EMAIL: CWHardin@uss.com
Christopher W. Hardin
Environmental Affairs
United States Steel Corporation
1350 Penn Ave., Suite 200
Mail Station 26
Pittsburgh, PA 15222

Re: Proposed revisions to Article XXI § 2105.21, Coke Ovens and Coke Oven Gas

Dear Mr. Hardin:

During the Air Quality Program Regulation Subcommittee meeting held on July 10, 2018, a representative of U.S. Steel Corp. requested a meeting with the Allegheny County Health Department (ACHD) to discuss the proposed revisions to the Coke Ovens and Coke Oven Gas regulations. U.S. Steel further requested that the ACHD provide its analysis of the inspection data relating to the proposed revised regulations.

There appears to be some misunderstanding as to the ACHD's reasoning and process for revising the coke oven regulations. It is important to note that one of the primary purposes of Article XXI is to "establish rules and regulations governing air pollution control in order to . . . [p]rotect the health, safety and welfare of the citizens of Allegheny County." Article XXI, § 2101.02.c.1. When the ACHD undertook the process of revising the regulations, the focus was on what standard should coke ovens be required to meet in order to "protect the health, safety and welfare of the citizens of Allegheny County." As part of this process, the ACHD analyzed and reviewed the current coke oven regulations and discussed proposed revisions with individuals with extensive coke oven experience. Based on this analysis, the ACHD determined what requirements that coke ovens in Allegheny County should be required to meet. It was only after this determination was made did the ACHD review and analyze the inspection data to confirm whether U.S. Steel has been able to meet these standards.

During the July Regulation Subcommittee meeting, U.S. Steel agreed with the ACHD that in order for any meeting to be productive, it is necessary for both sides to provide its analysis as to U.S. Steel's compliance with the proposed revised regulations. In response to this request, please find attached the ACHD's compliance analysis. Prior to meeting to discuss the proposed regulations, the ACHD requests that U.S. Steel produce an analysis of why it can or cannot meet

KAREN HACKER, MD, MPH, DIRECTOR
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24-HR (412) 687-ACHD (2243) • WWW.ACHD.NET

the proposed standards and to support this position with internal data from its own inspectors, ACHD inspectors, or ACHD's Method 303 contractor showing compliance rates under the proposed standards. If U.S. Steel is unwilling to produce its analysis and basis for being unable to meet the proposed regulations, then the ACHD does not believe that a meeting would be productive.

Please advise by **August 6, 2018** whether U.S. Steel agrees to produce the requested information prior to a meeting with the ACHD. If U.S. Steel is agreeable to this condition, then the ACHD and U.S. Steel can proceed with scheduling a meeting prior to the next Regulation Subcommittee meeting in September. Currently, the ACHD is available to meet on the following dates and times:

Thursday, August 16 at 1:00 PM
Monday, August 20 at 9:00 AM
Monday, August 27 at 9:00 AM and 1:00 PM

Please advise as to which date and time that you are available. Additionally, the ACHD will need U.S. Steel's analysis at least five days prior to the meeting.

Sincerely,

Jayme Graham
Air Quality Manager

cc: Sandra Etzel, Section Head, Planning & Data Analysis (via email)
Dean DeLuca, Enforcement Section Chief (via email)
Jeffrey Bailey, Esq., ACHD Assistant Solicitor (via email)
Tishie Woodwell, Esq., (via email: twoodwell@uss.com)
Chip Babst, Esq. (via email: cbabst@babstcalland.com)

Proposed §2105.21 - Coke Oven Regulations

Unless otherwise noted, the information which was reviewed to determine compliance with the proposed regulations was the 2017 calendar year inspections conducted by Allegheny County Health Department and its Method 303 contractor.

Charging

The below table shows the percentage of inspections analyzed which met the proposed standard of 10 seconds or less per charge in calendar year 2017. Only ACHD's Method 303 contractor's inspection information was used for charging because it was the only information which ACHD had electronically on a per-charge basis.

Charging

Battery	% of inspections for each battery which were 10 seconds or less per charge
all batteries	95.36%
1	96.16%
2	93.59%
3	95.78%
13	93.86%
14	93.21%
15	97.32%
19	98.96%
20	99.23%
B	90.03%
C	95.45%

Doors

The below table shows the cumulative percentage and number of inspections analyzed which had the range of percentage leaks or lower shown in calendar year 2017 by ACHD and its Method 303 contractor. For example, line 33, 2%-2.49% leaking, shows there were 165 inspections in that range and 86.70% of inspections were 2.49% or less leaking.

Doors

% leaking	Inspections	cumulative %
0 or less	2317	57.05%
0-0.49	0	57.05%
0.5-0.99	565	70.97%
1-1.49	187	75.57%
1.5-1.99	287	82.64%
2-2.49	165	86.70%
2.5-2.99	131	89.93%
3-3.49	116	92.79%
3.5 or more	293	100.00%

Lids

The below table shows the percentage of inspections analyzed which met the proposed standard of 0 leaks in calendar year 2017 by ACHD and its Method 303 contractor.

Lids

% leaking	Inspections	% of total
0	3903	96.59%
> 0	138	3.41%

Offtakes

The below table shows the cumulative percentage and number of inspections analyzed which had the range of percentage leaks or lower shown in calendar year 2017 by ACHD and its Method 303 contractor. For example, line 59, 2%-2.49% leaking, shows there were 209 inspections in that range and 97.40% of inspections were 2.49% or less leaking.

Offtakes

% leaking	Inspections	cumulative %
0	1822	45.09%
0.01-0.49	190	49.79%
0.5-0.99	826	70.23%

1-1.49	219	75.65%
1.5-1.99	670	92.23%
2-2.49	209	97.40%
2.5-2.99	35	98.27%
3-3.49	20	98.76%
3.5 or more	50	100.00%

Pushing

The below table shows the percentage of inspections analyzed which met the proposed standard of less than 10% opacity in calendar year 2017. Only ACHD's inspection information was used for pushing because ACHD's Method 303 contractor does not conduct pushing inspections.

Pushing

% opacity	Inspections	% of total
0 or 5	1011	68.31%
10 or more	469	31.69%

Travel (Part of Pushing)

The below table shows the percentage of inspections analyzed which met the proposed standard of less than 10% opacity in calendar year 2017. Only ACHD's inspection information was used for travel because ACHD's Method 303 contractor does not conduct travel inspections. Travel is being proposed to be part of the push and not to be a separate inspection.

Travel

% opacity	Inspections	% of total
0 or 5	1010	76.00%
10 or more	319	24.00%

Soaking

The below tables show the percentage and number of inspections analyzed which met the proposed standard of 0% opacity in calendar year 2017. Only ACHD's inspection information was used for soaking because ACHD's Method 303 contractor does not conduct soaking inspections. This was analyzed both for soaking where a flame was present and soaking where a flame was not present because the proposed regulation will not differentiate.

Soaking without a flame

% opacity	Inspections	% of total
0	1814	88.75%
> 0	230	11.25%

Soaking with a flame

% opacity	Inspections	% of total
0	2003	97.99%
> 0	41	2.01%

Attachment 4

Letter from U.S. Steel to the Department
August 22, 2018

United States Steel Corporation
Penn Liberty Plaza

Christopher Hardin
Manager, Environmental - Air

August 22, 2018

VIA EMAIL

Jayme Graham
Air Quality Program Manager
Allegheny County Health Department
301 39th Street, Building #7
Pittsburgh, PA 15201-1891

RE: Proposed Revisions to Article XXI § 2105.21, Coke Ovens and Coke Oven Gas

Dear Ms. Graham:

In response to your letter of August 1, 2018, U.S. Steel is providing its compliance analysis of the proposed revisions to Article XXI §2105.21. We respectfully note that we do not believe there was a misunderstanding as to what was explained during the July 10, 2018 meeting. All of the U. S. Steel representatives left the meeting with the clear understanding that the Department indicated that the revised standards had been developed based upon a review of U.S. Steel inspection data by the County that purportedly showed that U.S. Steel was able to attain and maintain the proposed standards. Your letter described a very different process that apparently included an analysis and review by individuals with extensive coke oven experience. We hope you will be able to provide us with a better understanding of the change.

As you will see, we followed the format of the Allegheny County Health Department ("ACHD") compliance analysis to see if existing data support the apparent conclusion reached by the ACHD that 2017 inspection data established and confirmed that U.S. Steel would be able to meet these standards at all ten of its Clairton coke batteries. Based on U. S. Steel's analysis, we concluded that the proposed draft standards would not be met based on 2017 data and would jeopardize the competitiveness of the Clairton Plant and the U. S. Steel Mon Valley Works.

Because of the limited time, we also were unable to evaluate the potential impact of several of the other revisions that were not addressed in the ACHD emissions analysis. We look forward to discussing those matters with you on Monday to better understand the thinking behind those proposed revisions.

Sincerely,

Chris Hardin

cc: Sandra Etzel (ACHD – via email)
Dean DeLuca (ACHD – via email)
Jeffrey Bailey (ACHD – via email)
Chip Babst, Esq. (Babst Calland – via email)
Tishie Woodwell (U. S. Steel – via email)
Dave Hacker (U. S. Steel – via email)
Mike Dzurinko (U. S. Steel – via email)

ACHD 2017 Data Analysis of proposed new rule compared to USS 2017 Data under the current rule.

Charging - 10 seconds/ charge
ACHD analysis indicates 4.64% of ACHD Method 303 inspections would exceed the 10 second limit.
In 2017, USS has total of 4018 inspections.
This would result in 186 violations under the new rule.
Under the current rule, there were 124 violations in 2017, or 3.09%.
Estimated increase of 62 violations.

Doors - 1 leaking door allowed per side
ACHD notes that 540 inspections out of 4061 are % leaking 2.5 or >, which is 13.3% of inspections. *Note: The 2.5% cutoff may not be correct, based on 1 leak allowed per side.
USS calculated an average % leaking in which we would exceed 1 leaking door per side. This % is 1.44%.
Therefore, there would be 992 inspections out of 4061 that are % leaking 1.5 or >, which is 24.2%.
Under the current rule, there were 34 violations in 2017, or 0.67%.
Estimated increase of 958 violations.

Lids - no visible emissions allowed
ACHD notes that 138 inspections out of 4,040 observations are greater than 0% leaking, which is 3.41% of inspections.
Under the current rule, there were 37 violations in 2017, or 0.92%.
Estimated increase of 101 violations.

Offtakes - 1 leaking pipe allowed per side
ACHD notes that 105 readings out of 4040 readings are % leaking 2.5 or >, which is 2.6% of inspections. *Note: The 2.5% cutoff may not be correct, based on 1 leak allowed per side.
USS calculated an average % leaking in which we would exceed 1 leaking door per side. This % is 1.44%.
Therefore, there would be 984 inspections out of 4040 that are % leaking 1.5 or >, which is 24.4%.
Under the current rule, there were 36 violations in 2017, or 0.89%.
Estimated increase of 948 violations.

Pushing - 10% opacity any time
ACHD notes that 469 inspections out of 1480 inspections are 10 or more % opacity, which is 31.69% of inspections.
Under the current rule, there were 37 violations in 2017, out of a total of 3021 observations, which is 1.22%.
Estimated increase of 432 violations.

Traveling - combined with pushing/ 10% opacity any time
ACHD notes that 319 inspections out of 1329 inspections are 10 or more % opacity, which is 24% of inspections.
Under the current rule, there were 31 violations in 2017, out of a total of 3021 observations, which is 1.03%.
Estimated increase of 288 violations.

Soaking - no visible emissions allowed
ACHD deciphers between flame/ no flame, but in summary, 271 inspections out of 4088 inspections had % opacity > 0, which is 6.6% of inspections.
Under the current rule, there were 154 violations in 2017, out of a total of 4088 observations, which is 3.8%.
Estimated increase of 117 violations.

In 2017, under the new proposed rule, U. S. Steel would have had an additional 2906 violations.
2906

	Current Standard	Proposed Revised Standard	Proposed vs current standard adjustment	PADEP Coke Battery Regulations	Total inspections (2017)	Exceedances Under Current Rule (2017)	Compliance Rate Under Current Rule (2017)	Projected Exceedances Under Revised Rule (based on ACHD's determinations)	Compliance Rate Under Proposed Revised Standard	Percent Increase in Number of Exceedances
Charging	55/75 sec per 5 consec charges	10 sec/charge	as high 33% more stringent; No averaging	75 sec/4 consecutive charges	4018.00	124.00	96.91	186.00	95.37	50.00
Doors	3% - 8%	1 door leak/side	as high as86% more stringent	10% of the door area of operating coke ovens, excluding the two-door area representing the last oven charged on any battery and any door areas obstructed from view	4061.00	34.00	99.16	992.00	75.57	2817.65
Lids	0.6% - 2%	No VE allowed	Infinitely more stringent	At no time may there be visible topside emissions from more than 2.0% of the charging port seals on operating coke ovens in any battery, excluding visible emissions from no more than three ovens which may be dampered off.	4040.00	37.00	99.08	138.00	96.58	272.97
Offtakes	4% - 5%	1 pipe leak/side	as high as 50%	At no time may there be topside emissions from more than 5.0% of the offtake piping on operating coke ovens in any battery, excluding visible emissions from open standpipe caps on no more than three ovens which may be dampered off.	4040.00	36.00	99.11	105.00	97.40	191.67
Pushing	0.15	10% opacity	33% more stringent	20% 3-min aggregate	1480.00	37.00	97.50	469.00	68.31	1167.57
Soaking	0.20	No VE allowed	Infinitely more stringent	N/A	4088.00	154.00	96.23	271.00	93.37	75.97
OVERALL					21727.00	422.00		2161.00	90.05	412.09

Attachment 5

U.S. Steel Presentation
October 9, 2019

United States Steel Corporation

Proposed Revisions to Article XXI 2105.21, Coke Ovens and Coke Oven Gas

- ACHD Conference Room
- October 9th, 2018

Liberty Monitor PM2.5

- In public statements, ACHD has alleged that an upward trend in fine particulate matter (PM2.5) concentrations at the Liberty Monitor is occurring, distinguishing it from other regional PM2.5 monitors.

- However, based on ACHD's annual data summary report, in 2017, PM2.5 increased at ***all*** ACHD monitors compared to 2016.
  - *South Fayette background monitor +0.7, Liberty monitor +0.6*
  - *Liberty monitor trends with the South Fayette monitor*

- This information indicates that any asserted "upward trend" is a regional issue and not a local issue.

Monitoring Site	2016 Annual Average	2017 Annual Average	Differential
Liberty	12.8	13.4	+0.6
North Braddock	10.8	11.0	+0.2
Avalon	9.7	10.4	+0.7
Harrison	9.5	10.0	+0.5
Clairton	9.3	9.8	+0.5
Lawrenceville	9.0	9.2	+0.2
South Fayette	8.0	8.7	+0.7
North Park	7.8	8.3	+0.5

BACKGROUND →

Liberty Monitor PM2.5

- U. S. Steel reviewed ACHD PM2.5 Federal Reference Method (FRM) data from the Liberty Monitor for the 1st and 2nd quarters of 2018.
  - 2018 data indicates that the Liberty monitor is below the annual PM2.5 standard (12 µg/m3).
    - PM2.5 average = 11.8 µg/m3
  - 2018 data also indicates that there has been a significant decline (only 1 exceedance of the 24-hr PM2.5 standard)

Year	Avg. PM2.5	# of Daily Exceedances
2016	12.8	13
2017	13.4	10
2018*	11.8	1

**1st and 2nd Quarter only.*

United States Steel Corporation

Comparison of Article XXI Regulations to other Batteries

- The existing Article XXI coke oven regulations are the most stringent across the country. C Battery is BACT/LAER, and ACHD is proposing regulations that are more stringent than BACT/LAER.
- ArcelorMittal Monessen Plant is ~9.5 miles from USS Clairton but outside of Allegheny County.
- Monessen's coke oven regulations are substantially less stringent than USS.
- U. S. Steel is at a significant competitive disadvantage versus its competitors with no demonstrated appreciable environmental benefit.

United States Steel Corporation

Comparison of Article XXI Regulations to PA Code

ACHD Current Article XXI	ACHD Proposed Article XXI	PA Code Section 123/129
Charging		
Pre-1978: 75 seconds during 4 consecutive charges; Post-1978: 55 seconds during 5 consecutive charges	Ten (10) seconds per charge	Four consecutive charges equal more than 75 seconds
Doors		
Pre-1978: 10% of door areas; Post-1978: 5% of door areas; Batteries 1-3,19: 8% of door areas	1 leak allowed per observed side	10% of the door area of operating coke ovens, excluding the two-door area representing the last
40% opacity limit for 15 minutes or longer after the last charge	30% opacity limit	40% opacity limit for 15 minutes or longer after the last charge
Charging Ports		
Pre-1978: 2% of the charging ports; Post 1978 - 1% of the charging ports	No visible emissions	2.0% of the charging port seals, excluding visible emissions from no more than three ovens which may be dampered off
Offtakes		
Pre-1978: 5% of offtake piping; Post-1978: 4% of offtake piping	1 leak allowed per observed side	5.0% of the offtake piping, excluding visible emissions from no more than three ovens which may be dampered off
	60% opacity limit	
Pushing/Traveling		
0.010 gr/dscf Batteries 1-3,19	0.01 gr/dscf	0.02 gr/dscf; 20% opacity limit on pushing, 10% opacity limit on transport during pushing operation
0.040 lbs/ton of coke Batteries 13-15,20,B	0.02 pounds per ton of coke produced	
10% opacity on transport, 20% opacity on pushing	10% opacity limit	
Combustion Stacks		
Pre-1978: 0.030gr/dscf; Post-1978: 0.015 gr/dscf	0.01 gr/dscf	0.04 gr/dscf
Coke Oven Gas		
Sulfur compounds expressed as equivalent H2S with limit of 35 gr/100 dscf	Sulfur compounds measured as all sulfur compounds, expressed as H2S with limit of 35 gr/100 dscf	Sulfur compounds expressed as equivalent H2S with limit of 50 gr/100 dscf
Soaking		
20% opacity with 2-minute exclusion after standpipe cap is opened	No visible emissions after 2-minute exclusion period	

United States Steel Corporation

Comparison of Article XXI Regulations to Subpart LL

ACHD Current Article XXI	ACHD Proposed Article XXI	Federal - NESHAP Subpart L
Charging		
Pre-1978: 75 seconds during 4 consecutive charges; Post-1978: 55 seconds during 5 consecutive charges	Ten (10) seconds per charge (no rolling average)	12 seconds of visible emissions per charge, using 30-day rolling average
Doors		
Pre-1978: 10% of door areas; Post-1978: 5% of door areas; Batteries 1-3,19: 8% of door areas	1 leak allowed per observed side	3.3% leaking coke oven doors - 30 run rolling average
40% opacity limit for 15 minutes or longer after the last charge	30% opacity limit	
Charging Ports		
Pre-1978: 2% of the charging ports; Post 1978 - 1% of the charging ports	No visible emissions	0.4% leaking port lids - 30 run rolling average
Offtakes		
Pre-1978: 5% of offtake piping; Post-1978: 4% of offtake piping	1 leak allowed per observed side	2.5% leaking offtake system - 30 run rolling average
	60% opacity limit	

United States Steel Corporation

Comparison of Article XXI Regulations to Subpart CCCCC

ACHD Current Article XXI	ACHD Proposed Article XXI	Federal - MACT Subpart CCCCC
Pushing/Traveling		
0.010 gr/dscf Batteries 1-3,19	0.01 gr/dscf	0.020 lb/ton of coke if moveable hood vented to stationary control device; 0.01 gr/dscf if cokeside shed is used to capture emissions; 0.04 lb/ton of coke if mobile control device that captures emissions during travel is used
0.040 lbs/ton of coke Batteries 13-15,20,B	0.02 pounds per ton of coke produced	
10% opacity on transport, 20% opacity on pushing	10% opacity limit	
Combustion Stacks		
Pre-1978: 0.030gr/dscf; Post-1978: 0.015 gr/dscf	0.01 gr/dscf	Daily average of 15% opacity for normal coking cycle; daily average of 20% opacity for extended coking
Coke Oven Gas		
Sulfur compounds expressed as equivalent H2S with limit of 35 gr/100 dscf	Sulfur compounds measured as all sulfur compounds, expressed as H2S with limit of 35 gr/100 dscf	
Soaking		
20% opacity with 2-minute exclusion after standpipe cap is opened	No visible emissions after 2-minute exclusion period	

Technology review of Article XXI coke oven revisions

- To date, U. S. Steel has not identified any other by-product coke battery that can continuously achieve compliance with the current Article XXI standards let alone the proposed Article XXI standards.

- U. S. Steel is working with Thyssen Krupp Industrial Solutions (TKIS).
  - TKIS is a world leader in coke oven battery operations and technology
  - TKIS is reviewing the proposed coke oven regulations to see if any battery on a world-wide scale is capable of meeting the standards on a continuous basis.

Source Testing Manual (STM)

- Has ACHD performed their compliance analysis based on the Proposed STM or the Current STM?
  - It has been difficult for USS to determine compliance because we are unsure which Source Testing Manual to compare the proposed regulation changes to.

- <u>Some of the concerns with Proposed STM vs. Current STM</u>
  - Doors - no reference to viewing the emissions at the top of the door
  - Doors – proposed STM does not subtract 2 doors in calculation
  - Pushing – currently reading pushes from the top of the battery being pushed. Neither current nor proposed state this.
  - How is travel read from the top of the battery being pushed?
  - Not clear when a "push" starts in proposed STM
  - How are two sides of the battery read during a push?

H2S and Odor Complaints

- No empirical data/study regarding odor complaints
  - No nexus established
- ACHD has not provided empirical data or studies on how the new rule would measurably improve ambient air quality or reduce odor or H2S.
- After the shutdown of Shenango, there is no appreciable difference in H2S concentrations at the nearby Avalon monitor.

H2S and Odor Complaints

- Of 66 complaints listed in ACHD's brief in opposition to the petition for stay, for the hour of the complaint, none exceeded the hourly 0.1 ppm H2S standard at the Liberty monitor.

- Reviewing the Smell Pittsburgh app data, odor complaints have been recorded throughout Allegheny County with no statistical correlation between quantity of complaints and location.

Summary

- U. S. Steel has a history of working with ACHD to develop and implement plans necessary to improve air quality. But U. S. Steel has concerns with ACHD's proposed regulation.
  - **No clear or consistent explanation of the objectives for the individual requirements contained in the proposed regulation.**
  - **No demonstration of the anticipated ambient impacts from the individual requirements contained in the proposed regulation.**
  - **No evidence that battery technology exists to continuously comply with the proposed regulations.**
  - **No finding by ACHD that implementation of the approved U. S. Steel compliance plan will not address current air quality concerns.**
  - **Historical compliance rate data used by ACHD to justify the proposed standards is flawed due to inconsistencies implementing the Source Testing Manual**

Summary

- Proposal:
  - Defer consideration of the revised coke oven standards until completion of the approved U. S. Steel's battery assessment and associated plan.
  - If at that time, the ACHD determines that existing ambient standards or other regulatory requirements are not being met, develop a plan that is specifically designed to address the issue.

U. S. Steel is committed to improving the environment using sound science and solutions which are technologically and economically feasible.

Attachment 6

U.S. Steel Clairton Works
Title V Operating Permit #0052
Quarterly Report
(Jan. 2017-Mar. 2017)

United States Steel Corporation
Clairton Plant
400 State Street
Clairton, PA 15025

Michael S. Rhoads
Plant Manager

April 28, 2017

Mr. Dean DeLuca
Allegheny County Health Department
Division of Air Quality
301 Thirty-Ninth Street
Pittsburgh, PA 15201

SUBJECT: U.S. Steel Clairton Works
Title V Operating Permit # 0052
Quarterly Report
January 1 through March 31, 2017

Dear Mr. DeLuca:

This submittal satisfies the semi-annual reporting requirement of Title V Operating Permit No. 0052, Paragraph III.15 for the period of January 1 through March 31, 2017.

On behalf of U.S. Steel Clairton Works, I certify that I have personally examined and am familiar with the information contained in this report. The information contained in this report is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete.

If you have any questions regarding this submittal, please direct them to Jonelle S. Scheetz at 412-233-1015 or jsscheetz@uss.com.

Sincerely,

Michael S. Rhoads
Plant Manager

Consent Judgment signed March 24, 2016 - Batteries 1, 2, 3, 13, 14, 15, 19, 20, B, and C

Please accept this submittal as the Quarterly Report for United States Steel, Clairton Coke Works for the period of January 1 through March 31, 2017 according to the reporting requirements of the Consent Judgment signed March 24, 2016. A check in the amount of $34,000 for 1st Quarter 2017 stipulated penalties is attached.

The list of clock hours during for the period of January 1 through March 31, 2017 for which compliance was not achieved for Article XXI opacity limits on Batteries 1, 2, 3, 13, 14, 15, 19, 20, B, and C combustion stack as measured by the continuous opacity monitor (COM) per Paragraph V.A along with the date, time, root cause and last oven charged for each exceedance are listed in the attached Appendices.

The deviations for the period of January 1 through March 31, 2017 for which compliance was not achieved for Article XXI §2105.21(e)(4) and (e)(5) limits on Batteries 1, 2, 3, 13, 14, 15, 19, 20, B, and C per Paragraph V.A. are listed in the attached Appendices.

The deviations for the period of January 1 through March 31, 2017 for which compliance was not achieved for Article XXI §2105.21(i) limits on Batteries 1, 2, and 3 per Paragraph V.A. are listed in the attached Appendices. Soaking observations could not be performed during daylight hours on the following dates due to a battery wide outage on 2/20/17.

There were no instances of deviations with the minimum coking time restriction on Batteries 1, 2 or 3

Permit Section V.A – Batteries 1, 2, and 3

Permit Requirement V.A.4 – Record Keeping Requirements

Out-of-control periods per permit requirement V.4.c and §63.7341 (c)(6) and (8)(iii) and/ or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in the attached table.

Permit Requirement V.A.5.m and n – §63.7341(c) and (d) - Quarterly Stack Compliance Report

Out-of-control periods per §63.7341 (c)(6) and (8)(iii) and/ or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in the attached table.

During the period stated above there were no start-up, shutdown, malfunctions or deviations that required the implementation of §63.10(d)(5)(i) or (ii) or which caused or may have caused an emission limit exceedance of §63.7296(a).

Permit Section V.C – Batteries 13, 14, and 15

Permit Requirement V.C.4 – Record Keeping Requirements Batteries 13, 14, and 15

Out-of-control periods per the above permit requirement and §63.7341 (c)(6) and (8)(iii) and/ or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in the attached table.

Permit Requirement V.C.5.m, n, and o – §63.7341(a, b and c)- Quarterly Stack Compliance Report

Out-of-control periods per §63.7341 (c)(6) and (8)(iii) and/ or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in the attached table.

During the period stated above there were no start-up, shutdown, malfunctions or deviations that required the implementation of §63.10(d)(5)(i) or (ii) or which caused or may have caused an emission limit exceedance of §63.7296(a).

Permit Section V.E – 19 and 20 Batteries

Permit Requirement V.E.4 – Record Keeping Requirements

Out-of-control periods per permit requirement V.4.c and §63.7341 (c)(6) and (8)(iii) and/ or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in the attached table.

Permit Requirement V.E.5.p and q – §63.7341(c) and (d) - Quarterly Stack Compliance Report

Out-of-control periods per §63.7341 (c)(6) and (8)(iii) and/ or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in the attached table.

During the period stated above there were no start-up, shutdown, malfunctions or deviations that required the implementation of §63.10(d)(5)(i) or (ii) or which caused or may have caused an emission limit exceedance of §63.7296(a).

Permit Section V.G – B Battery

Permit Requirement V.G.4 – Record Keeping Requirements

Out-of-control periods per permit requirement V.4.c and §63.7341 (c)(6) and (8)(iii) and/ or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in the attached table.

Permit Requirement V.G.5.n and o– §63.7341(c) and (d) - Quarterly Stack Compliance Report

Out-of-control periods per §63.7341 (c)(6) and (8)(iii) and/ or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in the attached table.

During the period stated above there were no start-up, shutdown, malfunctions or deviations that required the implementation of §63.10(d)(5)(i) or (ii) or which caused or may have caused an emission limit exceedance of §63.7296(a).

United States Steel Corporation
Pittsburgh, PA 15219

BNY Mellon, N.A.
Pittsburgh, PA

0620199981

8-26
430

DO NOT CASH UNLESS WARNING BAND AND CHECK BACKGROUND ARE BLUE. WATERMARK ON BACK. HOLD AT ANGLE TO VIEW

VOID VOID VOID

04/20/2017

PAY ONLY $34,000.00

TO THE ORDER OF

ALLEGHENY COUNTY OF HEALTH DEPT. 0004
AIR QUALITY FUND-HEALTH DEPT
C/O MAJOR SOURCE EMISSIONS FEE
301-39TH ST-BUILDING 7
PITTSBURGH, PA 15201-1891

VOID VOID VOID

"0620199981" [redacted]

United States Steel Corporation — 04/20/2017 — **0620199981**

For ERS Invoice Types: Contact Plant — For Inquiries Please Visit: SteelTrack.uss.com — OMLP

DIV. 74 ALLEGHENY COUNTY OF — VENDOR CODE: 105586 - — PAGE 1 OF 1

PO No.	Rel No.	Invoice Type	Invoice Date	Invoice No.	Discount	Net Remittance	Fac	Remit Comments
		STANDARD	04/03/2017	03-APR-2017		34,000.00	134	SPECIAL HANDLING

RECEIVED

MAY 0 1 2017

ALLEGHENY COUNTY HEALTH DEPT.
AIR QUALITY PROGRAM

SEQ-707-2 REV 7/14

CHECK TOTAL: **34,000.00**

2017 Quarter 1

Push & Travel	January	February	March	Total	Total Penalty Amount
1	4	4	6	14	$7,000
2	1	3	0	4	$2,000
3	3	5	6	14	$7,000
13	1	2	0	3	$1,500
14	0	1	1	2	$1,000
15	0	0	0	0	$0
19	1	1	0	2	$1,000
20	0	1	0	1	$500
B	1	3	3	7	$3,500
C	1	0	0	1	$500
Total	12	20	16	48	$24,000

Stacks	January	February	March	Total	Total Minus 33	Total Penalty Amount
1	5	1	5	11	0	$0
2	5	5	14	24	0	$0
3	7	4	9	20	0	$0
13	0	0	1	1	0	$0
14	0	1	1	2	0	$0
15	2	1	2	5	0	$0
19	8	16	21	45	12	$6,000
20	9	4	7	20	0	$0
B	3	2	3	8	0	$0
C	1	1	0	2	0	$0
Total	40	35	63		12	$6,000

Soaking	January	February	March	Total	Total Penalty Amount
1	2	0	0	2	$1,600
2	1	1	0	2	$1,600
3	1	0	0	1	$800
Total					$4,000

Stacks	$6,000.00
Pushing	$24,000.00
Soaking Batteries 1-3	$4,000.00
Total 2016 Q4 Fees	$34,000.00

US Steel
Clairton Works
Veo.1.1

STACK OBSERVATIONS
BREAKDOWNS INCLUDED
FROM: 1/1/2017 TO: 3/31/2017

REASON: Routine | REGULATION: All | AGENCY: All

BATTERY	NUMBER OBSERV	LOW OPAC MINUTES	LOW OPAC HOURS OUT	LOW OPAC HOURS IN	LOW OPAC PERFORMANCE	HIGH OPAC MINUTES	HIGH OPAC HOURS OUT	HIGH OPAC HOURS IN	HIGH OPAC PERFORMANCE	MACT DAYS IN	MACT DAYS OUT	MACT AVERAGE	MACT PERF AVERAGE
01	2,107	129.83	10	2,097	99.53%	0.17	1	2,106	99.95%	90	0	1.74	100.00%
02	2,106	224.17	24	2,082	98.86%	5.67	5	2,101	99.76%	90	0	2.50	100.00%
03	2,112	194.67	18	2,094	99.15%	4.00	3	2,109	99.86%	90	0	2.43	100.00%
13	2,107	26.50	1	2,106	99.95%	0.00	0	2,107	100.00%	90	0	0.31	100.00%
14	2,105	19.50	1	2,104	99.95%	0.33	2	2,103	99.90%	90	0	0.09	100.00%
15	2,103	42.17	5	2,098	99.76%	2.67	1	2,102	99.95%	90	0	1.05	100.00%
19	2,108	340.17	44	2,064	97.91%	26.50	12	2,096	99.43%	90	0	2.34	100.00%
20	2,100	217.33	18	2,082	99.14%	23.50	7	2,093	99.67%	90	0	1.61	100.00%
B	2,115	79.50	7	2,108	99.67%	0.00	0	2,115	100.00%	90	0	1.47	100.00%
C	2,103	16.17	0	2,103	100.00%	1.17	3	2,100	99.86%	90	0	3.89	100.00%
Total	21,066	1,290.00	128	20,938		64.00	34	21,032					
Average					99.39%				99.84%			1.74	

US Steel
Clairton Works
Veo.6.4.7.4

PUSHING & TRAVEL SUMMARY
BREAKDOWNS INCLUDED
FROM: 1/1/2017 TO: 3/31/2017

REASON: Routine | REGULATION: All | AGENCY: All

BATTERY	TOTAL NO. OBSERV.	PREPUSH MAX OPAC.	PUSH MAX OPAC.	TRAV MAX OPAC.	PUSH PERFORMANCE	NUM PUSH OUT OF COMP.	TRAVEL PERFORMANCE	NUM TRAV OUT OF COMP.
01	713	0%	65%	70%	99.30%	05	99.58%	03
02	711	0%	15%	10%	100.00%	00	100.00%	00
03	714	0%	100%	50%	99.16%	06	99.30%	05
13	360	0%	100%	20%	99.72%	01	99.72%	01
14	360	0%	10%	10%	100.00%	00	100.00%	00
15	356	0%	15%	0%	100.00%	00	100.00%	00
19	360	0%	15%	5%	100.00%	00	100.00%	00
20	359	0%	10%	0%	100.00%	00	100.00%	00
B	354	0%	15%	0%	100.00%	00	100.00%	00
C	352	0%	10%	10%	100.00%	00	100.00%	00
TOT/MAX	4639	0%	100%	70%		12		9
AVERAGE					99.82%		99.86%	

U. S. Steel - Clairton Works
Soaking Emissions

Inspect Date	Battery	Oven	Standard	CS Time	Opacity	PS Time	Opacity
1/7/2017	3	B20	SIP	9:30	0%	9:30	40%
1/24/2017	2	A01	SIP	9:51	0%	9:51	35%
1/26/2017	1	A28	SIP	8:20	70%	8:18	60%
1/26/2017	1	A30	SIP	9:06	60%	9:06	80%
2/2/2017	2	B17	SIP	9:06	65%	9:06	100%

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1734386	OPEN	03/25/17 00:00	BATTERY 1	B01	U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1734279	OPEN	03/24/17 07:00	BATTERY 1	A15	U	Routine	STACK 20%	SIP		99 Rdg => 20%		HEATING: XStack_Operational_Operational_OpacityI	
1734155	OPEN	03/23/17 13:00	BATTERY 1	B26 B28	U	Routine	STACK 20%	SIP		33 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1734044	OPEN	03/22/17 18:00	BATTERY 1	B31	U	Routine	STACK 60%	SIP		1 Rdg => 60%		HEATING: XStack_Operational_Operational_OpacityI	
1733904	OPEN	03/21/17 12:00	BATTERY 1	B14	U	Routine	STACK 20%	SIP		27 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1728033	OPEN	02/11/17 02:00	BATTERY 1	A09	U	Routine	STACK 20%	SIP		35 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1724486	OPEN	01/14/17 11:00	BATTERY 1	B15	U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1724427	OPEN	01/13/17 23:00	BATTERY 1	B28	U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1722843	OPEN	01/08/17 12:00	BATTERY 1	B30	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_Operational_Operational_Extende	
1721919	RDY1	01/06/17 07:00	BATTERY 1	A08	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	HEATING: caComment
1721155	OPEN	01/03/17 21:00	BATTERY 1	C01	U	Routine	STACK 20%	SIP		34 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1736331	OPEN	03/31/17 20:00	BATTERY 2	B09	U	Routine	STACK 20%	SIP		32 Rdg => 20%		HEATING: XStack_Operational_Operational_Extende	
1736329	OPEN	03/31/17 19:00	BATTERY 2	B01	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_Operational_Operational_Opacityl	
1736231	OPEN	03/31/17 05:00	BATTERY 2	B14 B16	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1734504	OPEN	03/25/17 20:00	BATTERY 2	B31	U	Routine	STACK 20%	SIP		29 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1734339	OPEN	03/24/17 15:00	BATTERY 2	B03	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_Operational_Operational_Opacityl	
1733808	OPEN	03/20/17 17:00	BATTERY 2	B15	U	Routine	STACK 60%	SIP		4 Rdg => 60%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1733807	OPEN	03/20/17 17:00	BATTERY 2	B15	U	Routine	STACK 20%	SIP		34 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1733532	RDY1	03/17/17 20:00	BATTERY 2	B27	U	Routine	STACK 20%	SIP		31 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	HEATING: caComment
1733113	OPEN	03/15/17 18:00	BATTERY 2	B11 B13	U	Routine	STACK 20%	SIP		21 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1733091	OPEN	03/15/17 17:00	BATTERY 2	B09	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1732214	OPEN	03/09/17 13:00	BATTERY 2	A16	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1732117	OPEN	03/08/17 15:00	BATTERY 2	B07	U	Routine	STACK 20%	SIP		24 Rdg => 20%		HEATING: XStack_Operational_Operational_FirstCha	
1732047	OPEN	03/07/17 13:00	BATTERY 2	A20 A22	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1729783	OPEN	03/01/17 05:00	BATTERY 2	B16	U	Routine	STACK 60%	SIP		6 Rdg => 60%		HEATING: XStack_Operational_Operational_DecarbT	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1729782	OPEN	03/01/17 05:00	BATTERY 2	B16	U	Routine	STACK 20%	SIP		21 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	
1729767	RDY1	03/01/17 03:00	BATTERY 2	A31	U	Routine	STACK 60%	SIP		21 Rdg => 60%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	HEATING: caComment
1729766	RDY1	03/01/17 03:00	BATTERY 2	A31	U	Routine	STACK 20%	SIP		30 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	HEATING: caComment
1729464	RDY1	02/26/17 15:00	BATTERY 2	A30	U	Routine	STACK 20%	SIP		21 Rdg => 20%		HEATING: XStack_Operational_Operational_FirstCha	HEATING: caComment
1729382	OPEN	02/25/17 17:00	BATTERY 2	B09 B01 B03	U	Routine	STACK 20%	SIP		34 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1729254	OPEN	02/24/17 06:00	BATTERY 2	B16	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	
1728840	OPEN	02/20/17 05:00	BATTERY 2	B05 B07	U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: XStack_Operational_Operational_OpacityI	
1727519	OPEN	02/08/17 11:00	BATTERY 2	B13	U	Routine	STACK 20%	SIP		27 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	
1723608	OPEN	01/10/17 13:00	BATTERY 2	B14	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	
1723368	RDY1	01/09/17 19:00	BATTERY 2	A22	U	Routine	STACK 60%	SIP		2 Rdg => 60%		HEATING: XStack_Operational_Operational_DecarbT	HEATING: caComment
1723367	RDY1	01/09/17 19:00	BATTERY 2	A22	U	Routine	STACK 20%	SIP		26 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	HEATING: caComment
1722976	OPEN	01/08/17 21:00	BATTERY 2	A01	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: XStack_Operational_Operational_Extende	
1722871	OPEN	01/08/17 14:00	BATTERY 2	B17	U	Routine	STACK 60%	SIP		1 Rdg => 60%		HEATING: XStack_Operational_Operational_Extende	
1722870	OPEN	01/08/17 14:00	BATTERY 2	B17	U	Routine	STACK 20%	SIP		43 Rdg => 20%		HEATING: XStack_Operational_Operational_Extende	
1722855	RDY1	01/08/17 13:00	BATTERY 2	B11	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	HEATING: caComment

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1736137	OPEN	03/30/17 10:00	BATTERY 3	B17 B19	U	Routine	STACK 20%	SIP		27 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1735955	OPEN	03/28/17 21:00	BATTERY 3	B26 B28	U	Routine	STACK 20%	SIP		33 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1735884	OPEN	03/28/17 09:00	BATTERY 3	B15	U	Routine	STACK 20%	SIP		36 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1735776	OPEN	03/27/17 22:00	BATTERY 3	B26 B28	U	Routine	STACK 20%	SIP		68 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1733288	OPEN	03/16/17 10:00	BATTERY 3	B15	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1733178	RDY1	03/15/17 22:00	BATTERY 3	B18	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	HEATING: caDryGun
1732840	OPEN	03/13/17 19:00	BATTERY 3	B18	U	Routine	STACK 20%	SIP		28 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1730465	RDY1	03/04/17 06:00	BATTERY 3	A26 A30	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	HEATING: caComment
1730086	RDY1	03/02/17 16:00	BATTERY 3	A09	U	Routine	STACK 20%	SIP		26 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	HEATING: caComment
1729092	OPEN	02/21/17 23:00	BATTERY 3	B26 B22	U	Routine	STACK 60%	SIP		17 Rdg => 60%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1729091	OPEN	02/21/17 23:00	BATTERY 3	B22 B26	U	Routine	STACK 20%	SIP		109 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1729006	OPEN	02/21/17 12:00	BATTERY 3	B25	U	Routine	STACK 60%	SIP		2 Rdg => 60%		HEATING: XStack_Operational_Operational_Extende	
1728993	OPEN	02/21/17 11:00	BATTERY 3	B25	U	Routine	STACK 60%	SIP		5 Rdg => 60%		HEATING: XStack_Operational_Operational_Extende	
1728881	OPEN	02/20/17 19:00	BATTERY 3	A21	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: XStack_Operational_Operational_Extende	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1726009	RDY1	01/27/17 18:00	BATTERY 3	A20	U	Routine	STACK 20%	SIP		40 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	HEATING: caComment
1725126	OPEN	01/19/17 21:00	BATTERY 3	B09	U	Routine	STACK 20%	SIP		21 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1724555	OPEN	01/14/17 20:00	BATTERY 3	B21	U	Routine	STACK 20%	SIP		36 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1724416	OPEN	01/13/17 19:00	BATTERY 3	B21	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1723904	OPEN	01/11/17 17:00	BATTERY 3	B09	U	Routine	STACK 20%	SIP		41 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1722872	OPEN	01/08/17 14:00	BATTERY 3	A13	U	Routine	STACK 20%	SIP		38 Rdg => 20%		HEATING: XStack_Operational_Operational_Extende	
1720726	RDY1	01/01/17 02:00	BATTERY 3	A24 A28	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	HEATING: caComment

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1733940	OPEN	03/21/17 17:00	BATTERY 13	A30	U	Routine	STACK 20%	SIP		37 Rdg => 20%		HEATING: XStack_Operational_Operational_FirstCha	

US Steel
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Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1733478	OPEN	03/17/17 10:00	BATTERY 14	B29	U	Routine	STACK 60%	SIP		1 Rdg => 60%		HEATING: XStack_Operational_Operational_Opacityl	
1733477	OPEN	03/17/17 10:00	BATTERY 14	B29	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: XStack_Operational_Operational_Opacityl	
1729425	OPEN	02/26/17 01:00	BATTERY 14		U	Routine	STACK 60%	SIP		1 Rdg => 60%		HEATING: XStack_Other_Other_FalseReading	

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EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1733134	OPEN	03/15/17 19:00	BATTERY 15	A21	U	Routine	STACK 60%	SIP		16 Rdg => 60%		HEATING: XStack_Operational_Operational_DecarbT	
1733133	OPEN	03/15/17 19:00	BATTERY 15	A21	U	Routine	STACK 20%	SIP		54 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	
1731995	OPEN	03/07/17 09:00	BATTERY 15	A20	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	
1727176	OPEN	02/05/17 03:00	BATTERY 15	A17	U	Routine	STACK 20%	SIP		35 Rdg => 20%		HEATING: XStack_Operational_Operational_Blocked	
1725532	OPEN	01/23/17 10:00	BATTERY 15	A13	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: XStack_Operational_Operational_Blocked	
1722532	OPEN	01/07/17 15:00	BATTERY 15	B25	U	Routine	STACK 20%	SIP		32 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	

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EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1734386	OPEN	03/25/17 00:00	BATTERY 1	B01	U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1734279	OPEN	03/24/17 07:00	BATTERY 1	A15	U	Routine	STACK 20%	SIP		99 Rdg => 20%		HEATING: XStack_Operational_Operational_OpacityI	
1734155	OPEN	03/23/17 13:00	BATTERY 1	B26 B28	U	Routine	STACK 20%	SIP		33 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1734044	OPEN	03/22/17 18:00	BATTERY 1	B31	U	Routine	STACK 60%	SIP		1 Rdg => 60%		HEATING: XStack_Operational_Operational_OpacityI	
1733904	OPEN	03/21/17 12:00	BATTERY 1	B14	U	Routine	STACK 20%	SIP		27 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1728033	OPEN	02/11/17 02:00	BATTERY 1	A09	U	Routine	STACK 20%	SIP		35 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1724486	OPEN	01/14/17 11:00	BATTERY 1	B15	U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1724427	OPEN	01/13/17 23:00	BATTERY 1	B28	U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1722843	OPEN	01/08/17 12:00	BATTERY 1	B30	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_Operational_Operational_Extende	
1721919	RDY1	01/06/17 07:00	BATTERY 1	A08	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	HEATING: caComment
1721155	OPEN	01/03/17 21:00	BATTERY 1	C01	U	Routine	STACK 20%	SIP		34 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1736331	OPEN	03/31/17 20:00	BATTERY 2	B09	U	Routine	STACK 20%	SIP		32 Rdg => 20%		HEATING: XStack_Operational_Operational_Extende	
1736329	OPEN	03/31/17 19:00	BATTERY 2	B01	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_Operational_Operational_Opacityl	
1736231	OPEN	03/31/17 05:00	BATTERY 2	B14 B16	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1734504	OPEN	03/25/17 20:00	BATTERY 2	B31	U	Routine	STACK 20%	SIP		29 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1734339	OPEN	03/24/17 15:00	BATTERY 2	B03	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_Operational_Operational_Opacityl	
1733808	OPEN	03/20/17 17:00	BATTERY 2	B15	U	Routine	STACK 60%	SIP		4 Rdg => 60%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1733807	OPEN	03/20/17 17:00	BATTERY 2	B15	U	Routine	STACK 20%	SIP		34 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1733532	RDY1	03/17/17 20:00	BATTERY 2	B27	U	Routine	STACK 20%	SIP		31 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	HEATING: caComment
1733113	OPEN	03/15/17 18:00	BATTERY 2	B11 B13	U	Routine	STACK 20%	SIP		21 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1733091	OPEN	03/15/17 17:00	BATTERY 2	B09	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1732214	OPEN	03/09/17 13:00	BATTERY 2	A16	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1732117	OPEN	03/08/17 15:00	BATTERY 2	B07	U	Routine	STACK 20%	SIP		24 Rdg => 20%		HEATING: XStack_Operational_Operational_FirstCha	
1732047	OPEN	03/07/17 13:00	BATTERY 2	A20 A22	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1729783	OPEN	03/01/17 05:00	BATTERY 2	B16	U	Routine	STACK 60%	SIP		6 Rdg => 60%		HEATING: XStack_Operational_Operational_DecarbT	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1729782	OPEN	03/01/17 05:00	BATTERY 2	B16	U	Routine	STACK 20%	SIP		21 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	
1729767	RDY1	03/01/17 03:00	BATTERY 2	A31	U	Routine	STACK 60%	SIP		21 Rdg => 60%		HEATING: XStack_OvenInteriorLeakage_Refractory_	HEATING: caComment
1729766	RDY1	03/01/17 03:00	BATTERY 2	A31	U	Routine	STACK 20%	SIP		30 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	HEATING: caComment
1729464	RDY1	02/26/17 15:00	BATTERY 2	A30	U	Routine	STACK 20%	SIP		21 Rdg => 20%		HEATING: XStack_Operational_Operational_FirstCha	HEATING: caComment
1729382	OPEN	02/25/17 17:00	BATTERY 2	B09 B01 B03	U	Routine	STACK 20%	SIP		34 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1729254	OPEN	02/24/17 06:00	BATTERY 2	B16	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	
1728840	OPEN	02/20/17 06:00	BATTERY 2	B05 B07	U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: XStack_Operational_Operational_OpacityI	
1727519	OPEN	02/08/17 11:00	BATTERY 2	B13	U	Routine	STACK 20%	SIP		27 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	
1723608	OPEN	01/10/17 13:00	BATTERY 2	B14	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	
1723368	RDY1	01/09/17 19:00	BATTERY 2	A22	U	Routine	STACK 60%	SIP		2 Rdg => 60%		HEATING: XStack_Operational_Operational_DecarbT	HEATING: caComment
1723367	RDY1	01/09/17 19:00	BATTERY 2	A22	U	Routine	STACK 20%	SIP		26 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	HEATING: caComment
1722976	OPEN	01/08/17 21:00	BATTERY 2	A01	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: XStack_Operational_Operational_Extende	
1722871	OPEN	01/08/17 14:00	BATTERY 2	B17	U	Routine	STACK 60%	SIP		1 Rdg => 60%		HEATING: XStack_Operational_Operational_Extende	
1722870	OPEN	01/08/17 14:00	BATTERY 2	B17	U	Routine	STACK 20%	SIP		43 Rdg => 20%		HEATING: XStack_Operational_Operational_Extende	
1722855	RDY1	01/08/17 13:00	BATTERY 2	B11	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	HEATING: caComment

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1736137	OPEN	03/30/17 10:00	BATTERY 3	B17 B19	U	Routine	STACK 20%	SIP		27 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1735955	OPEN	03/28/17 21:00	BATTERY 3	B26 B28	U	Routine	STACK 20%	SIP		33 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1735884	OPEN	03/28/17 09:00	BATTERY 3	B15	U	Routine	STACK 20%	SIP		36 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1735776	OPEN	03/27/17 22:00	BATTERY 3	B26 B28	U	Routine	STACK 20%	SIP		68 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1733288	OPEN	03/16/17 10:00	BATTERY 3	B15	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1733178	RDY1	03/15/17 22:00	BATTERY 3	B18	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	HEATING: caDryGun
1732840	OPEN	03/13/17 19:00	BATTERY 3	B18	U	Routine	STACK 20%	SIP		28 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1730465	RDY1	03/04/17 06:00	BATTERY 3	A26 A30	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	HEATING: caComment
1730086	RDY1	03/02/17 16:00	BATTERY 3	A09	U	Routine	STACK 20%	SIP		26 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	HEATING: caComment
1729092	OPEN	02/21/17 23:00	BATTERY 3	B26 B22	U	Routine	STACK 60%	SIP		17 Rdg => 60%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1729091	OPEN	02/21/17 23:00	BATTERY 3	B22 B26	U	Routine	STACK 20%	SIP		109 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1729006	OPEN	02/21/17 12:00	BATTERY 3	B25	U	Routine	STACK 60%	SIP		2 Rdg => 60%		HEATING: XStack_Operational_Operational_Extende	
1728993	OPEN	02/21/17 11:00	BATTERY 3	B25	U	Routine	STACK 60%	SIP		5 Rdg => 60%		HEATING: XStack_Operational_Operational_Extende	
1728881	OPEN	02/20/17 19:00	BATTERY 3	A21	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: XStack_Operational_Operational_Extende	

US Steel
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EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1726009	RDY1	01/27/17 18:00	BATTERY 3	A20	U	Routine	STACK 20%	SIP		40 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	HEATING: caComment
1725126	OPEN	01/19/17 21:00	BATTERY 3	B09	U	Routine	STACK 20%	SIP		21 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1724555	OPEN	01/14/17 20:00	BATTERY 3	B21	U	Routine	STACK 20%	SIP		36 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1724416	OPEN	01/13/17 19:00	BATTERY 3	B21	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1723904	OPEN	01/11/17 17:00	BATTERY 3	B09	U	Routine	STACK 20%	SIP		41 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1722872	OPEN	01/08/17 14:00	BATTERY 3	A13	U	Routine	STACK 20%	SIP		38 Rdg => 20%		HEATING: XStack_Operational_Operational_Extende	
1720726	RDY1	01/01/17 02:00	BATTERY 3	A24 A28	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	HEATING: caComment

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EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1733940	OPEN	03/21/17 17:00	BATTERY 13	A30	U	Routine	STACK 20%	SIP		37 Rdg => 20%		HEATING: XStack_Operational_Operational_FirstCha	

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EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1733478	OPEN	03/17/17 10:00	BATTERY 14	B29	U	Routine	STACK 60%	SIP		1 Rdg => 60%		HEATING: XStack_Operational_Operational_Opacityl	
1733477	OPEN	03/17/17 10:00	BATTERY 14	B29	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: XStack_Operational_Operational_Opacityl	
1729425	OPEN	02/26/17 01:00	BATTERY 14		U	Routine	STACK 60%	SIP		1 Rdg => 60%		HEATING: XStack_Other_Other_FalseReading	

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EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1733134	OPEN	03/15/17 19:00	BATTERY 15	A21	U	Routine	STACK 60%	SIP		16 Rdg => 60%		HEATING: XStack_Operational_Operational_DecarbT	
1733133	OPEN	03/15/17 19:00	BATTERY 15	A21	U	Routine	STACK 20%	SIP		54 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	
1731995	OPEN	03/07/17 09:00	BATTERY 15	A20	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	
1727176	OPEN	02/05/17 03:00	BATTERY 15	A17	U	Routine	STACK 20%	SIP		35 Rdg => 20%		HEATING: XStack_Operational_Operational_Blocked	
1725532	OPEN	01/23/17 10:00	BATTERY 15	A13	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: XStack_Operational_Operational_Blocked	
1722532	OPEN	01/07/17 15:00	BATTERY 15	B25	U	Routine	STACK 20%	SIP		32 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	

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EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1736275	OPEN	03/31/17 12:00	BATTERY 19	A23	U	Routine	STACK 20%	SIP		26 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	
1736267	OPEN	03/31/17 11:00	BATTERY 19	A23	U	Routine	STACK 20%	SIP		74 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	
1736067	OPEN	03/29/17 14:00	BATTERY 19	A23	U	Routine	STACK 60%	SIP		16 Rdg => 60%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1736066	OPEN	03/29/17 14:00	BATTERY 19	A23	U	Routine	STACK 20%	SIP		47 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1736031	OPEN	03/29/17 10:00	BATTERY 19	C28	U	Routine	STACK 20%	SIP		43 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1735964	OPEN	03/28/17 22:00	BATTERY 19	B11	U	Routine	STACK 60%	SIP		3 Rdg => 60%		HEATING: XStack_Other_Other_NothingFound	
1735777	OPEN	03/28/17 00:00	BATTERY 19	A21 A23	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1734556	OPEN	03/26/17 09:00	BATTERY 19	A29	U	Routine	STACK 20%	SIP		34 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	
1734537	OPEN	03/26/17 04:00	BATTERY 19	A23	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1734390	OPEN	03/25/17 01:00	BATTERY 19	A29	U	Routine	STACK 20%	SIP		34 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1734065	OPEN	03/23/17 00:00	BATTERY 19	A01	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_Operational_Operational_Blocked	
1733765	OPEN	03/20/17 03:00	BATTERY 19	A25	U	Routine	STACK 20%	SIP		50 Rdg => 20%		HEATING: XStack_Operational_Operational_Blocked	
1733674	OPEN	03/19/17 09:00	BATTERY 19	A24	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_Operational_Operational_OpacityI	

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EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1736275	OPEN	03/31/17 12:00	BATTERY 19	A23	U	Routine	STACK 20%	SIP		26 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	
1736267	OPEN	03/31/17 11:00	BATTERY 19	A23	U	Routine	STACK 20%	SIP		74 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	
1736067	OPEN	03/29/17 14:00	BATTERY 19	A23	U	Routine	STACK 60%	SIP		16 Rdg => 60%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1736066	OPEN	03/29/17 14:00	BATTERY 19	A23	U	Routine	STACK 20%	SIP		47 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1736031	OPEN	03/29/17 10:00	BATTERY 19	C28	U	Routine	STACK 20%	SIP		43 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1735964	OPEN	03/28/17 22:00	BATTERY 19	B11	U	Routine	STACK 60%	SIP		3 Rdg => 60%		HEATING: XStack_Other_Other_NothingFound	
1735777	OPEN	03/28/17 00:00	BATTERY 19	A21 A23	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1734556	OPEN	03/26/17 09:00	BATTERY 19	A29	U	Routine	STACK 20%	SIP		34 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	
1734537	OPEN	03/26/17 04:00	BATTERY 19	A23	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1734390	OPEN	03/25/17 01:00	BATTERY 19	A29	U	Routine	STACK 20%	SIP		34 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1734065	OPEN	03/23/17 00:00	BATTERY 19	A01	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_Operational_Operational_Blocked	
1733765	OPEN	03/20/17 03:00	BATTERY 19	A25	U	Routine	STACK 20%	SIP		50 Rdg => 20%		HEATING: XStack_Operational_Operational_Blocked	
1733674	OPEN	03/19/17 09:00	BATTERY 19	A24	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_Operational_Operational_Opacityl	

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EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1732866	OPEN	03/14/17 03:00	BATTERY 19	A21 A23	U	Routine	STACK 60%	SIP		9 Rdg => 60%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	
1732865	OPEN	03/14/17 03:00	BATTERY 19	A21 A23	U	Routine	STACK 20%	SIP		56 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	
1732864	OPEN	03/14/17 02:00	BATTERY 19	A21 A23	U	Routine	STACK 60%	SIP		24 Rdg => 60%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	
1732863	OPEN	03/14/17 02:00	BATTERY 19	A21 A23	U	Routine	STACK 20%	SIP		34 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	
1732762	OPEN	03/13/17 09:00	BATTERY 19	A02	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: XStack_CombustionSystem_Gas_Excessl	
1732613	OPEN	03/12/17 10:00	BATTERY 19	A05	U	Routine	STACK 20%	SIP		49 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1732206	OPEN	03/09/17 12:00	BATTERY 19	A21 A23	U	Routine	STACK 20%	SIP		67 Rdg => 20%		HEATING: XStack_Operational_Operational_OpacityI	
1730821	OPEN	03/06/17 12:00	BATTERY 19	A29	U	Routine	STACK 20%	SIP		55 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	
1730590	OPEN	03/05/17 00:00	BATTERY 19	B16 B18	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: XStack_Operational_Operational_Blocked	
1730339	OPEN	03/03/17 13:00	BATTERY 19	B26	U	Routine	STACK 20%	SIP		31 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1729905	OPEN	03/01/17 16:00	BATTERY 19	A17	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: XStack_Operational_Operational_Blocked	
1729618	OPEN	02/28/17 05:00	BATTERY 19	A23	U	Routine	STACK 20%	SIP		40 Rdg => 20%		HEATING: XStack_Operational_Operational_Extende	
1729593	OPEN	02/27/17 12:00	BATTERY 19	A24	U	Routine	STACK 20%	SIP		32 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1729467	OPEN	02/26/17 17:00	BATTERY 19	A21	U	Routine	STACK 60%	SIP		2 Rdg => 60%		HEATING: XStack_OvenInteriorLeakage_Refractory_	

US Steel
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EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1729466	OPEN	02/26/17 17:00	BATTERY 19	A21	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1728865	OPEN	02/20/17 11:00	BATTERY 19	C02	U	Routine	STACK 60%	SIP		7 Rdg => 60%		HEATING: XStack_Operational_Operational_DecarbT	
1728864	OPEN	02/20/17 11:00	BATTERY 19	C02	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	
1728860	OPEN	02/20/17 10:00	BATTERY 19	C02	U	Routine	STACK 60%	SIP		21 Rdg => 60%		HEATING: XStack_Operational_Operational_DecarbT	
1728859	OPEN	02/20/17 10:00	BATTERY 19	C02	U	Routine	STACK 20%	SIP		30 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	
1728759	OPEN	02/18/17 08:00	BATTERY 19	A04	U	Routine	STACK 20%	SIP		21 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1728734	OPEN	02/17/17 15:00	BATTERY 19	C25	U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: XStack_Operational_Operational_FirstCha	
1728458	OPEN	02/15/17 10:00	BATTERY 19	A04	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1728408	OPEN	02/15/17 06:00	BATTERY 19	A24	U	Routine	STACK 20%	SIP		21 Rdg => 20%		HEATING: XStack_Operational_Operational_Blocked	
1728336	OPEN	02/14/17 14:00	BATTERY 19	A25	U	Routine	STACK 20%	SIP		35 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	
1728273	OPEN	02/13/17 19:00	BATTERY 19	A22	U	Routine	STACK 60%	SIP		33 Rdg => 60%		HEATING: XStack_OvenInteriorLeakage_Refractory_ Walls	
1728272	OPEN	02/13/17 19:00	BATTERY 19	A22	U	Routine	STACK 20%	SIP		49 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_ Walls	
1728264	OPEN	02/13/17 14:00	BATTERY 19	C27	U	Routine	STACK 60%	SIP		11 Rdg => 60%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1728263	OPEN	02/13/17 14:00	BATTERY 19	C27	U	Routine	STACK 20%	SIP		32 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	

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EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1727614	OPEN	02/09/17 00:00	BATTERY 19	A02	U	Routine	STACK 60%	SIP		11 Rdg => 60%		HEATING: XStack_Operational_Operational_Blocked	
1727613	OPEN	02/09/17 00:00	BATTERY 19	A02	U	Routine	STACK 20%	SIP		51 Rdg => 20%		HEATING: XStack_Operational_Operational_Blocked	
1727510	OPEN	02/08/17 10:00	BATTERY 19	A23	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: XStack_Operational_Operational_Blocked	
1727245	OPEN	02/05/17 17:00	BATTERY 19	A02	U	Routine	STACK 60%	SIP		7 Rdg => 60%		HEATING: XStack_Operational_Operational_Blocked	
1727244	OPEN	02/05/17 17:00	BATTERY 19	A02	U	Routine	STACK 20%	SIP		33 Rdg => 20%		HEATING: XStack_Operational_Operational_Blocked	
1727037	OPEN	02/04/17 08:00	BATTERY 19	A20	U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: XStack_Operational_Operational_Blocked	
1725933	OPEN	01/27/17 07:00	BATTERY 19	A24	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_Operational_Operational_FirstCha	
1725685	OPEN	01/24/17 17:00	BATTERY 19	B11	U	Routine	STACK 20%	SIP		46 Rdg => 20%		HEATING: XStack_Operational_Operational_Opacityl	
1724787	OPEN	01/16/17 17:00	BATTERY 19	A22	U	Routine	STACK 20%	SIP		74 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1724336	RDY1	01/13/17 07:00	BATTERY 19		U	Routine	STACK 60%	SIP		15 Rdg => 60%		HEATING: XStack_CombustionSystem_Gas_Excessl	HEATING: caAdjustedUFG
1724335	RDY1	01/13/17 07:00	BATTERY 19		U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: XStack_CombustionSystem_Gas_Excessl	HEATING: caAdjustedUFG
1723453	OPEN	01/10/17 02:00	BATTERY 19	A02	U	Routine	STACK 20%	SIP		32 Rdg => 20%		HEATING: XStack_Operational_Operational_Opacityl	
1721488	OPEN	01/05/17 09:00	BATTERY 19	A24	U	Routine	STACK 20%	SIP		33 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_l	
1721113	OPEN	01/03/17 13:00	BATTERY 19	A04	U	Routine	STACK 20%	SIP		28 Rdg => 20%		HEATING: XStack_Operational_Operational_Extende	
1720895	OPEN	01/02/17 04:00	BATTERY 19	A04	U	Routine	STACK 20%	SIP		26 Rdg => 20%		HEATING: XStack_Operational_Operational_Extende	

US Steel
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EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1736130	OPEN	03/30/17 08:00	BATTERY 20	A20	U	Routine	STACK 20%	SIP		21 Rdg => 20%		HEATING: XStack_Operational_Operational_Blocked	
1736059	OPEN	03/29/17 12:00	BATTERY 20	A17	U	Routine	STACK 20%	SIP		39 Rdg => 20%		HEATING: XStack_Operational_Operational_Extende	
1735778	OPEN	03/28/17 00:00	BATTERY 20	A25 A27	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1735775	OPEN	03/27/17 21:00	BATTERY 20	A07	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1734322	OPEN	03/24/17 13:00	BATTERY 20	A09	U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1732281	OPEN	03/10/17 05:00	BATTERY 20	A20	U	Routine	STACK 20%	SIP		24 Rdg => 20%		HEATING: XStack_Operational_Operational_Blocked	
1730284	OPEN	03/03/17 02:00	BATTERY 20	A03	U	Routine	STACK 60%	SIP		13 Rdg => 60%		HEATING: XStack_Operational_Operational_DecarbT	
1730283	OPEN	03/03/17 02:00	BATTERY 20	A03	U	Routine	STACK 20%	SIP		43 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	
1729519	OPEN	02/27/17 07:00	BATTERY 20	B21	U	Routine	STACK 60%	SIP		1 Rdg => 60%		HEATING: XStack_Operational_Operational_FirstCha	
1729518	OPEN	02/27/17 07:00	BATTERY 20	B21	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_Operational_Operational_FirstCha	
1728307	OPEN	02/14/17 08:00	BATTERY 20	A03	U	Routine	STACK 60%	SIP		13 Rdg => 60%		HEATING: XStack_Operational_Operational_DecarbT	
1728306	OPEN	02/14/17 08:00	BATTERY 20	A03	U	Routine	STACK 20%	SIP		37 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	
1726284	OPEN	02/14/17 00:00	BATTERY 20	B25	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_Operational_Operational_Blocked	
1726933	OPEN	02/03/17 13:00	BATTERY 20	A27	U	Routine	STACK 20%	SIP		78 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1725691	OPEN	01/24/17 19:00	BATTERY 20	B27	U	Routine	STACK 20%	SIP		41 Rdg => 20%		HEATING: XStack_Operational_Operational_Opacityl	
1724910	OPEN	01/18/17 03:00	BATTERY 20	A12	U	Routine	STACK 20%	SIP		41 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	
1724862	OPEN	01/17/17 13:00	BATTERY 20	C13	U	Routine	STACK 60%	SIP		2 Rdg => 60%		HEATING: XStack_Operational_Operational_DecarbT	
1724792	OPEN	01/16/17 18:00	BATTERY 20	B03	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_,	
1724762	OPEN	01/16/17 13:00	BATTERY 20	A10	U	Routine	STACK 20%	SIP		34 Rdg => 20%		HEATING: XStack_Operational_Operational_Extende	
1724345	OPEN	01/13/17 08:00	BATTERY 20	B21	U	Routine	STACK 60%	SIP		30 Rdg => 60%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	
1724344	OPEN	01/13/17 08:00	BATTERY 20	B21	U	Routine	STACK 20%	SIP		139 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	
1724337	OPEN	01/13/17 07:00	BATTERY 20	B21	U	Routine	STACK 60%	SIP		14 Rdg => 60%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	
1724063	OPEN	01/12/17 07:00	BATTERY 20	B21	U	Routine	STACK 20%	SIP		75 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	
1723883	OPEN	01/11/17 16:00	BATTERY 20	B21	U	Routine	STACK 60%	SIP		68 Rdg => 60%		HEATING: XStack_Operational_Operational_DecarbT	
1723882	OPEN	01/11/17 16:00	BATTERY 20	B21	U	Routine	STACK 20%	SIP		141 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	

US Steel
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Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1736325	OPEN	03/31/17 16:00	BATTERY B	B30	U	Routine	STACK 20%	SIP		32 Rdg => 20%		OPERATIONS: Extended time.(decarb/coking)	
1732975	OPEN	03/15/17 09:00	BATTERY B	B20	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	
1732758	OPEN	03/13/17 06:00	BATTERY B	B20	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1728598	RDY1	02/16/17 08:00	BATTERY B	A37	U	Routine	STACK 20%	SIP		27 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	HEATING: caSlurrySpray
1725776	OPEN	01/25/17 16:00	BATTERY B	B36	U	Routine	STACK 20%	SIP		33 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_	
1724829	OPEN	01/17/17 06:00	BATTERY B	B17 B21	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: XStack_OvenInteriorLeakage_Refractory_I	
1722844	OPEN	01/08/17 12:00	BATTERY B	B20 B22	U	Routine	STACK 20%	SIP		65 Rdg => 20%		HEATING: XStack_Operational_Operational_DecarbT	

US Steel
Clairton Works
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EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1728831	RDY1	02/19/17 21:00	BATTERY C		U	Routine	STACK 60%	SIP		2 Rdg => 60%		HEATING: XStack_CombustionSystem_Gas_Excessl	HEATING: caAdjustedUFG
1728830	RDY1	02/19/17 20:00	BATTERY C		U	Routine	STACK 60%	SIP		2 Rdg => 60%		HEATING: XStack_CombustionSystem_Gas_Excessl	HEATING: caAdjustedUFG
1720911	OPEN	01/02/17 11:00	BATTERY C		U	Routine	STACK 60%	SIP		3 Rdg => 60%		HEATING: XStack_FoulGas_FoulGas_SuctionLoss	

US Steel
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EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1733870	PND	03/16/17 07:51	BATTERY 1	A13	U	Inspection	PUSH	SIP		Opacity of 25% => Limit of 20%		OPER MAINT: Belt Tracking	OPER MAINT: Trained Belt
1733020	NOR	03/15/17 14:10	BATTERY 3	B25	U	Inspection	PUSH	SIP		Opacity of 25% => Limit of 20%		HEATING: XEnvPushDelays_CoolOven_Leakage_Gas OPER MAINT: Belt Tracking	HEATING: caRepairedGasGunNozzle OPER MAINT: Trained Belt
1733019	PND	03/15/17 14:09	BATTERY 3	B23	U	Inspection	PUSH	SIP		Opacity of 40% => Limit of 20%		HEATING: XEnvPushDelays_CoolOven_Leakage_Gas OPER MAINT: Belt Tracking	OPER MAINT: Trained Belt
1732776	RDY1	03/13/17 12:54	BATTERY 1	B06	U	Inspection	PUSH	SIP		Opacity of 100% => Limit of 20%		HEATING: XEnvPushDelays_CoolOven_Restriction_C OPER MAINT: No Cause Found	HEATING: caCleanedGasNozzle OPER MAINT: No Action Taken
1732773	RDY1	03/13/17 09:30	BATTERY 1	B06	U	Routine	PUSH	SIP		Opacity of 50% => Limit of 20%		HEATING: XEnvPushDelays_CoolOven_Restriction_C OPER MAINT: No Cause Found	HEATING: caCleanedGasNozzle OPER MAINT: No Action Taken
1732211	PND	03/09/17 13:58	BATTERY B	B07	U	Inspection	PUSH	SIP		Opacity of 35% => Limit of 20%		OPER MAINT: Other Root Cause HEATING: XEnvPushDelays_Other_Other_NothingFo	OPER MAINT: Other CA Taken
1732210	NOR	03/09/17 13:45	BATTERY 3	B25	U	Inspection	PUSH	SIP		Opacity of 40% => Limit of 20%		OPER MAINT: Belt Tracking HEATING: XEnvPushDelays_CoolOven_Leakage_Gas	OPER MAINT: Trained Belt HEATING: caRepairedGasGunNozzle
1729589	PND	02/27/17 13:33	BATTERY 13	A13	U	Inspection	PUSH	SIP		Opacity of 40% => Limit of 20%		HEATING: XStack_CombustionSystem_Air_AirPortRe OPER MAINT: PEC Malfunction	OPER MAINT: Repaired Electrical Control Circuit
1729213	PND	02/23/17 14:17	BATTERY 1	A29	U	Inspection	PUSH	SIP		Opacity of 50% => Limit of 20%		HEATING: XEnvPushDelays_Other_Other_NothingFo	HEATING: caNone
1729212	PND	02/23/17 14:16	BATTERY 1	A15	U	Inspection	PUSH	SIP		Opacity of 20% => Limit of 20%		HEATING: XEnvPushDelays_Other_Other_NothingFo	HEATING: caNone
1729211	PND	02/23/17 13:44	BATTERY B	A22	U	Inspection	PUSH	SIP		Opacity of 50% => Limit of 20%		OPERATIONS: Other Root Cause OPER MAINT: Other Root Cause	OPERATIONS: Other CA Taken OPER MAINT: Other CA Taken

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EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1729210	PND	02/23/17 13:43	BATTERY B	A20	U	Inspection	PUSH	SIP		Opacity of 50% => Limit of 20%		OPERATIONS: Other Root Cause OPER MAINT: Other Root Cause	OPERATIONS: Other CA Taken OPER MAINT: Other CA Taken
1728614	PND	02/16/17 14:33	BATTERY B	B21	A	Inspection	PUSH	SIP		Opacity of 35% => Limit of 20%		HEATING: XEnvPushDelays_Operational_Operationa OPER MAINT: Hole/Crack in Ductwork	OPER MAINT: Repaired Affected Parts/Area
1728241	NOR	02/13/17 09:56	BATTERY 3	A15	A	Inspection	PUSH	SIP		Opacity of 50% => Limit of 20%		OPER MAINT: Other Root Cause HEATING: XEnvPushDelays_Operational_Operationa	OPER MAINT: Other CA Taken HEATING: caComment
1728240	NOR	02/13/17 09:46	BATTERY 3	A13	A	Inspection	PUSH	SIP		Opacity of 45% => Limit of 20%		OPER MAINT: Other Root Cause HEATING: XEnvPushDelays_Operational_Operationa	OPER MAINT: Other CA Taken HEATING: caComment
1728239	NOR	02/13/17 09:35	BATTERY 3	A11	A	Inspection	PUSH	SIP		Opacity of 35% => Limit of 20%		OPER MAINT: Other Root Cause HEATING: XEnvPushDelays_Operational_Operationa	OPER MAINT: Other CA Taken HEATING: caComment
1728242	NOR	02/13/17 09:15	BATTERY 3	A09	A	Inspection	PUSH	SIP		Opacity of 40% => Limit of 20%		OPER MAINT: Other Root Cause HEATING: XEnvPushDelays_Operational_Operationa	OPER MAINT: Other CA Taken HEATING: caComment
1727947	PND	02/10/17 13:11	BATTERY 20	C21	U	Inspection	PUSH	SIP		Opacity of 25% => Limit of 20%		OPER MAINT: Belt Tracking	OPER MAINT: Trained Belt
1727524	RDY1	02/08/17 12:36	BATTERY 2	B07	U	Inspection	PUSH	SIP		Opacity of 60% => Limit of 20%		OPER MAINT: No Cause Found HEATING: XEnvPushDelays_CoolOven_Leakage_Gas	HEATING: caComment OPER MAINT: No Action Taken
1727523	PND	02/08/17 12:35	BATTERY 2	B01	U	Inspection	PUSH	SIP		Opacity of 60% => Limit of 20%		HEATING: XEnvPushDelays_CoolOven_Leakage_Gas	HEATING: caComment
1727392	RDY1	02/06/17 07:10	BATTERY 1	A04	U	Inspection	PUSH	SIP		Opacity of 30% => Limit of 20%		HEATING: XEnvPushDelays_CoolOven_WallAdjustm OPER MAINT: Belt Tracking	HEATING: caAdjustedWall OPER MAINT: Trained Belt

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EXCEEDANCE TRACKING LOG - CA RESPONSES

FROM: 1/1/2017 TO: 3/31/2017

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspect Type	Affect Standard	Dev	Event Descrip	Break Down	Root Cause Response	Corr Action Response
1726927	RDY1	02/03/17 13:20	BATTERY 3	A29	U	Inspection	PUSH	SIP		Opacity of 100% => Limit of 20%		HEATING: XEnvPushDelays_CoolOven_Leakage_Gas OPER MAINT: No Cause Found	HEATING: caRepairedGasGunNozzle OPER MAINT: No Action Taken
1726757	RDY1	02/02/17 11:50	BATTERY 2	B19	U	Inspection	PUSH	SIP		Opacity of 55% => Limit of 20%		HEATING: XEnvPushDelays_CoolOven_Leakage_Gas OPER MAINT: No Cause Found	HEATING: caRepairedGasGunNozzle OPER MAINT: No Action Taken
1726756	PND	02/02/17 11:36	BATTERY 19	C05	U	Inspection	PUSH	SIP		Opacity of 35% => Limit of 20%		OPER MAINT: Belt Tracking	OPER MAINT: Trained Belt
1726418	PND	01/30/17 12:34	BATTERY B	A32	U	Inspection	PUSH	SIP		Opacity of 45% => Limit of 20%		HEATING: XStack_CombustionSystem_Air_Insufficie OPER MAINT: Hole/Crack in Ductwork	OPER MAINT: Repaired Ductwork
1725753	NOR	01/25/17 09:05	BATTERY 1	A26	U	Routine	PUSH	SIP		Opacity of 65% => Limit of 20%		OPER MAINT: No Cause Found HEATING: XEnvPushDelays_CoolOven_Restriction_(	OPER MAINT: No Action Taken HEATING: caCleanedGasNozzle
1725664	PND	01/24/17 13:23	BATTERY 2	A01	U	Inspection	PUSH	SIP		Opacity of 80% => Limit of 20%		OPER MAINT: No Cause Found HEATING: XEnvPushDelays_CoolOven_WallAdjustm	OPER MAINT: No Action Taken
1725545	PND	01/23/17 09:01	BATTERY 3	B20	U	Routine	PUSH	SIP		Opacity of 40% => Limit of 20%		OPER MAINT: No Cause Found HEATING: XEnvPushDelays_CoolOven_Leakage_Gas	OPER MAINT: No Action Taken
1724754	NOR	01/16/17 10:18	BATTERY 3	C01	U	Routine	PUSH	SIP		Opacity of 60% => Limit of 20%		HEATING: XEnvPushDelays_CoolOven_Restriction_(OPER MAINT: No Cause Found	HEATING: caCleanedGasNozzle OPER MAINT: No Action Taken
1724378	PND	01/13/17 13:11	BATTERY 1	B23	U	Inspection	PUSH	SIP		Opacity of 30% => Limit of 20%		OPER MAINT: No Cause Found HEATING: XEnvPushDelays_CoolOven_Leakage_Gas	OPER MAINT: No Action Taken
1723832	OPEN	01/11/17 07:18	BATTERY 1	B07	U	Routine	PUSH	SIP		Opacity of 40% => Limit of 20%		HEATING: XEnvPushDelays_CoolOven_Leakage_Gas	
1723563	NOR	01/10/17 09:20	BATTERY 13	A07	U	Routine	PUSH	SIP		Opacity of 100% => Limit of 20%		OPER MAINT: No Cause Found HEATING: XStack_CombustionSystem_Air_AirPortRe	OPER MAINT: No Action Taken HEATING: caAirPortCleaned
1721546	PND	01/05/17 13:41	BATTERY 19	A20	U	Inspection	PUSH	SIP		Opacity of 25% => Limit of 20%		OPER MAINT: Belt Tracking	OPER MAINT: Trained Belt

INSPECT DATE	FACILITY	EVENT DESCRIPTION	DURATION (hours)	% OPERATING TIME	ROOT CAUSE / CA RESPONSE	ACTION DESCRIPTION
Jan 1, 2017 8:24:02 AM	BATTERY 1	Missing Data from 1/1/2017 8:24:02 AM to 1/1/2017 8:30:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
Jan 2, 2017 12:24:02 AM	BATTERY 1	Missing Data from 1/2/2017 12:24:02 AM to 1/2/2017 12:30:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Jan 3, 2017 4:24:02 PM	BATTERY 1	Missing Data from 1/3/2017 4:24:02 PM to 1/3/2017 4:30:02 PM	0.1		Communication Error	Missing one ten second reading.
Jan 4, 2017 8:24:02 AM	BATTERY 1	Missing Data from 1/4/2017 8:24:02 AM to 1/4/2017 8:36:02 AM	0.2		Communication Error	All data present, did not calculate raw average data.
Jan 6, 2017 8:24:02 AM	BATTERY 1	Missing Data from 1/6/2017 8:24:02 AM to 1/6/2017 8:30:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
Jan 6, 2017 4:24:02 PM	BATTERY 1	Missing Data from 1/6/2017 4:24:02 PM to 1/6/2017 4:30:02 PM	0.1		All Data Good	All data present didnt calculate raw 6 min average.
Jan 7, 2017 8:24:02 AM	BATTERY 1	Missing Data from 1/7/2017 8:24:02 AM to 1/7/2017 8:30:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
Jan 8, 2017 12:24:02 AM	BATTERY 1	Missing Data from 1/8/2017 12:24:02 AM to 1/8/2017 12:30:02 AM	0.1		Communication Error	Missing one ten second reading.
Jan 9, 2017 4:24:02 PM	BATTERY 1	Missing Data from 1/9/2017 4:24:02 PM to 1/9/2017 4:30:02 PM	0.1		Communication Error	Missing one ten second reading.
Jan 10, 2017 8:24:02 AM	BATTERY 1	Missing Data from 1/10/2017 8:24:02 AM to 1/10/2017 8:30:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
Jan 12, 2017 8:24:02 AM	BATTERY 1	Missing Data from 1/12/2017 8:24:02 AM to 1/12/2017 8:30:02 AM	0.1		Communication Error	Missing one ten second reading.
Jan 13, 2017 8:24:02 AM	BATTERY 1	Missing Data from 1/13/2017 8:24:02 AM to 1/13/2017 8:36:02 AM	0.2		All Data Good	All data present, didnt calculate raw 6 min average.
Jan 15, 2017 12:24:02 AM	BATTERY 1	Missing Data from 1/15/2017 12:24:02 AM to 1/15/2017 12:30:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
Jan 15, 2017 8:24:02 AM	BATTERY 1	Missing Data from 1/15/2017 8:24:02 AM to 1/15/2017 8:30:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
Jan 16, 2017 12:24:02 AM	BATTERY 1	Missing Data from 1/16/2017 12:24:02 AM to 1/16/2017 12:30:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
Jan 16, 2017 8:24:02 AM	BATTERY 1	Missing Data from 1/16/2017 8:24:02 AM to 1/16/2017 8:36:02 AM	0.2		Communication Error	All data present, did not calculate raw average data.
Jan 17, 2017 4:24:02 PM	BATTERY 1	Missing Data from 1/17/2017 4:24:02 PM to 1/17/2017 4:30:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Jan 18, 2017 12:24:02 AM	BATTERY 1	Missing Data from 1/18/2017 12:24:02 AM to 1/18/2017 12:30:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Jan 20, 2017 8:24:02 AM	BATTERY 1	Missing Data from 1/20/2017 8:24:02 AM to 1/20/2017 8:30:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
Jan 20, 2017 4:24:02 PM	BATTERY 1	Missing Data from 1/20/2017 4:24:02 PM to 1/20/2017 4:30:02 PM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Jan 21, 2017 8:24:02 AM	BATTERY 1	Missing Data from 1/21/2017 8:24:02 AM to 1/21/2017 8:30:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
Jan 23, 2017 12:24:02 AM	BATTERY 1	Missing Data from 1/23/2017 12:24:02 AM to 1/23/2017 12:30:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Jan 23, 2017 8:24:02 AM	BATTERY 1	Missing Data from 1/23/2017 8:24:02 AM to 1/23/2017 8:30:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Jan 24, 2017 12:24:02 AM	BATTERY 1	Missing Data from 1/24/2017 12:24:02 AM to 1/24/2017 12:30:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING

Jan 24, 2017 9:18:02 AM	BATTERY 1	Missing Data from 1/24/2017 9:18:02 AM to 1/24/2017 10:48:02 AM	1.5		Communication Error	MISSING READINGS FROM 9:18 TO 10:48 REASON UNKNOWN
Jan 24, 2017 4:24:02 PM	BATTERY 1	Missing Data from 1/24/2017 4:24:02 PM to 1/24/2017 4:36:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Jan 25, 2017 1:12:02 PM	BATTERY 1	Missing Data from 1/25/2017 1:12:02 PM to 1/25/2017 1:42:02 PM	0.5		Quarterly Audit	1ST QUARTER FILTER AUDIT WAS PERFORMED
Jan 25, 2017 4:24:02 PM	BATTERY 1	Missing Data from 1/25/2017 4:24:02 PM to 1/25/2017 4:30:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Jan 26, 2017 12:24:02 AM	BATTERY 1	Missing Data from 1/26/2017 12:24:02 AM to 1/26/2017 12:30:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Jan 27, 2017 8:24:02 AM	BATTERY 1	Missing Data from 1/27/2017 8:24:02 AM to 1/27/2017 8:30:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
Jan 28, 2017 8:24:02 AM	BATTERY 1	Missing Data from 1/28/2017 8:24:02 AM to 1/28/2017 8:30:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Jan 28, 2017 4:24:02 PM	BATTERY 1	Missing Data from 1/28/2017 4:24:02 PM to 1/28/2017 4:30:02 PM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
Jan 29, 2017 8:24:02 AM	BATTERY 1	Missing Data from 1/29/2017 8:24:02 AM to 1/29/2017 8:30:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Jan 31, 2017 12:12:02 AM	BATTERY 1	Missing Data from 1/31/2017 12:12:02 AM to 1/31/2017 12:30:02 AM	0.3		Power Failure	MISSING MULTIPLE TEN SECOND READINGS
Feb 1, 2017 12:24:02 AM	BATTERY 1	Missing Data from 2/1/2017 12:24:02 AM to 2/1/2017 12:30:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 1, 2017 8:24:02 AM	BATTERY 1	Missing Data from 2/1/2017 8:24:02 AM to 2/1/2017 8:30:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 4, 2017 8:24:02 AM	BATTERY 1	Missing Data from 2/4/2017 8:24:02 AM to 2/4/2017 8:30:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Feb 4, 2017 4:24:02 PM	BATTERY 1	Missing Data from 2/4/2017 4:24:02 PM to 2/4/2017 4:30:02 PM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
Feb 6, 2017 10:12:02 AM	BATTERY 1	Missing Data from 2/6/2017 10:12:02 AM to 2/6/2017 10:24:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACKPOLL
Feb 6, 2017 10:30:02 AM	BATTERY 1	Missing Data from 2/6/2017 10:30:02 AM to 2/6/2017 10:36:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACKPOLL
Feb 6, 2017 4:24:02 PM	BATTERY 1	Missing Data from 2/6/2017 4:24:02 PM to 2/6/2017 4:30:02 PM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 7, 2017 12:24:02 AM	BATTERY 1	Missing Data from 2/7/2017 12:24:02 AM to 2/7/2017 12:30:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 7, 2017 8:24:02 AM	BATTERY 1	Missing Data from 2/7/2017 8:24:02 AM to 2/7/2017 8:30:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 8, 2017 4:24:02 PM	BATTERY 1	Missing Data from 2/8/2017 4:24:02 PM to 2/8/2017 4:30:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 8, 2017 5:30:02 PM	BATTERY 1	Missing Data from 2/8/2017 5:30:02 PM to 2/8/2017 6:42:02 PM	1.2		Communication Error	DID NOT CALCULATE RAW READING
Feb 9, 2017 8:24:02 AM	BATTERY 1	Missing Data from 2/9/2017 8:24:02 AM to 2/9/2017 8:30:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
Feb 9, 2017 4:24:02 PM	BATTERY 1	Missing Data from 2/9/2017 4:24:02 PM to 2/9/2017 4:30:02 PM	0.1		Communication Error	Missing one ten second reading.
Feb 11, 2017 4:24:02 PM	BATTERY 1	Missing Data from 2/11/2017 4:24:02 PM to 2/11/2017 4:30:02 PM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Feb 12, 2017 8:24:02 AM	BATTERY 1	Missing Data from 2/12/2017 8:24:02 AM to 2/12/2017 8:30:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING

Feb 14, 2017 8:24:02 AM	BATTERY 1	Missing Data from 2/14/2017 8:24:02 AM to 2/14/2017 8:30:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 15, 2017 8:24:02 AM	BATTERY 1	Missing Data from 2/15/2017 8:24:02 AM to 2/15/2017 8:30:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 16, 2017 4:24:02 PM	BATTERY 1	Missing Data from 2/16/2017 4:24:02 PM to 2/16/2017 4:30:02 PM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Feb 17, 2017 12:24:02 AM	BATTERY 1	Missing Data from 2/17/2017 12:24:02 AM to 2/17/2017 12:36:02 AM	0.2		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min averages.
Feb 18, 2017 8:24:02 AM	BATTERY 1	Missing Data from 2/18/2017 8:24:02 AM to 2/18/2017 8:30:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 19, 2017 4:24:02 PM	BATTERY 1	Missing Data from 2/19/2017 4:24:02 PM to 2/19/2017 4:30:02 PM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 20, 2017 8:24:02 AM	BATTERY 1	Missing Data from 2/20/2017 8:24:02 AM to 2/20/2017 8:30:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 22, 2017 8:24:02 AM	BATTERY 1	Missing Data from 2/22/2017 8:24:02 AM to 2/22/2017 8:30:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 22, 2017 4:24:02 PM	BATTERY 1	Missing Data from 2/22/2017 4:24:02 PM to 2/22/2017 4:30:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 23, 2017 8:24:02 AM	BATTERY 1	Missing Data from 2/23/2017 8:24:02 AM to 2/23/2017 8:30:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 25, 2017 8:24:02 AM	BATTERY 1	Missing Data from 2/25/2017 8:24:02 AM to 2/25/2017 8:30:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 26, 2017 4:24:02 PM	BATTERY 1	Missing Data from 2/26/2017 4:24:02 PM to 2/26/2017 4:30:02 PM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 27, 2017 4:24:02 PM	BATTERY 1	Missing Data from 2/27/2017 4:24:02 PM to 2/27/2017 4:30:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Mar 2, 2017 4:24:02 PM	BATTERY 1	Missing Data from 3/2/2017 4:24:02 PM to 3/2/2017 4:36:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Mar 2, 2017 5:36:02 PM	BATTERY 1	Missing Data from 3/2/2017 5:36:02 PM to 3/2/2017 6:18:02 PM	0.7		Communication Error	DID NOT CALCULATE RAW READING
Mar 2, 2017 11:54:02 PM	BATTERY 1	Missing Data from 3/2/2017 11:54:02 PM to 3/3/2017 12:00:02 AM	0.1		Communication Error	MISSING 35 TEN SECOND READINGS DUE TO I HISTORIAN
Mar 3, 2017 4:24:02 PM	BATTERY 1	Missing Data from 3/3/2017 4:24:02 PM to 3/3/2017 4:30:02 PM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Mar 5, 2017 8:24:02 AM	BATTERY 1	Missing Data from 3/5/2017 8:24:02 AM to 3/5/2017 8:30:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Mar 6, 2017 12:24:02 AM	BATTERY 1	Missing Data from 3/6/2017 12:24:02 AM to 3/6/2017 12:30:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Mar 6, 2017 12:24:02 AM	BATTERY 1	Missing Data from 3/6/2017 12:24:02 AM to 3/6/2017 12:30:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Mar 6, 2017 8:24:02 AM	BATTERY 1	Missing Data from 3/6/2017 8:24:02 AM to 3/6/2017 8:36:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Mar 6, 2017 8:24:02 AM	BATTERY 1	Missing Data from 3/6/2017 8:24:02 AM to 3/6/2017 8:36:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Mar 7, 2017 10:48:02 AM	BATTERY 1	Missing Data from 3/7/2017 10:48:02 AM to 3/7/2017 11:18:02 AM	0.5		Communication Error	All data present, did not calculate raw average data.
Mar 10, 2017 8:24:02 AM	BATTERY 1	Missing Data from 3/10/2017 8:24:02 AM to 3/10/2017 8:30:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Mar 12, 2017 1:54:02 AM	BATTERY 1	Missing Data from 3/12/2017 1:54:02 AM to 3/12/2017 3:00:02 AM	1.1		Communication Error	TIME REVERTED BACK TO 01:00 DUE TO DAYLIGHT SAVINGS TIME

Mar 12, 2017 5:24:02 PM	BATTERY 1	Missing Data from 3/12/2017 5:24:02 PM to 3/12/2017 5:30:02 PM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Mar 13, 2017 12:30:02 AM	BATTERY 1	Missing Data from 3/13/2017 12:30:02 AM to 3/13/2017 12:36:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Mar 13, 2017 12:00:03 PM	BATTERY 1	Missing Data from 3/13/2017 12:00:03 PM to 3/13/2017 12:12:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACKPOLL FROM
Mar 15, 2017 8:24:02 AM	BATTERY 1	Missing Data from 3/15/2017 8:24:02 AM to 3/15/2017 8:30:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Mar 15, 2017 4:24:02 PM	BATTERY 1	Missing Data from 3/15/2017 4:24:02 PM to 3/15/2017 4:30:02 PM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
Mar 16, 2017 4:24:02 PM	BATTERY 1	Missing Data from 3/16/2017 4:24:02 PM to 3/16/2017 4:30:02 PM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Mar 19, 2017 8:24:02 AM	BATTERY 1	Missing Data from 3/19/2017 8:24:02 AM to 3/19/2017 8:36:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Mar 20, 2017 4:24:02 PM	BATTERY 1	Missing Data from 3/20/2017 4:24:02 PM to 3/20/2017 4:36:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Mar 21, 2017 4:24:02 PM	BATTERY 1	Missing Data from 3/21/2017 4:24:02 PM to 3/21/2017 4:30:02 PM	0.1		Communication Error	Missing one ten second reading.
Mar 22, 2017 8:24:02 AM	BATTERY 1	Missing Data from 3/22/2017 8:24:02 AM to 3/22/2017 8:30:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Mar 23, 2017 8:24:02 AM	BATTERY 1	Missing Data from 3/23/2017 8:24:02 AM to 3/23/2017 8:36:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Mar 23, 2017 4:24:02 PM	BATTERY 1	Missing Data from 3/23/2017 4:24:02 PM to 3/23/2017 4:30:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Mar 24, 2017 12:24:02 AM	BATTERY 1	Missing Data from 3/24/2017 12:24:02 AM to 3/24/2017 12:30:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Mar 24, 2017 4:24:02 PM	BATTERY 1	Missing Data from 3/24/2017 4:24:02 PM to 3/24/2017 4:30:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Mar 26, 2017 8:24:02 AM	BATTERY 1	Missing Data from 3/26/2017 8:24:02 AM to 3/26/2017 8:30:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Mar 27, 2017 12:12:02 AM	BATTERY 1	Missing Data from 3/27/2017 12:12:02 AM to 3/27/2017 1:30:02 AM	1.3		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 1:36:02 AM	BATTERY 1	Missing Data from 3/27/2017 1:36:02 AM to 3/27/2017 1:48:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 2:12:02 AM	BATTERY 1	Missing Data from 3/27/2017 2:12:02 AM to 3/27/2017 2:24:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 2:30:02 AM	BATTERY 1	Missing Data from 3/27/2017 2:30:02 AM to 3/27/2017 2:42:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 2:48:02 AM	BATTERY 1	Missing Data from 3/27/2017 2:48:02 AM to 3/27/2017 2:54:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 3:00:03 AM	BATTERY 1	Missing Data from 3/27/2017 3:00:03 AM to 3/27/2017 3:18:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 3:24:02 AM	BATTERY 1	Missing Data from 3/27/2017 3:24:02 AM to 3/27/2017 3:36:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:42:02 AM	BATTERY 1	Missing Data from 3/27/2017 3:42:02 AM to 3/27/2017 4:00:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 4:06:02 AM	BATTERY 1	Missing Data from 3/27/2017 4:06:02 AM to 3/27/2017 4:18:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 4:24:02 AM	BATTERY 1	Missing Data from 3/27/2017 4:24:02 AM to 3/27/2017 4:36:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM

Mar 27, 2017 4:42:02 AM	BATTERY 1	Missing Data from 3/27/2017 4:42:02 AM to 3/27/2017 4:48:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:18:02 AM	BATTERY 1	Missing Data from 3/27/2017 5:18:02 AM to 3/27/2017 5:48:02 AM	0.5		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 6:18:02 AM	BATTERY 1	Missing Data from 3/27/2017 6:18:02 AM to 3/27/2017 6:30:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 8:24:02 AM	BATTERY 1	Missing Data from 3/27/2017 8:24:02 AM to 3/27/2017 8:30:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:24:02 PM	BATTERY 1	Missing Data from 3/27/2017 5:24:02 PM to 3/27/2017 6:18:02 PM	0.9		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 29, 2017 8:24:02 AM	BATTERY 1	Missing Data from 3/29/2017 8:24:02 AM to 3/29/2017 8:36:02 AM	0.2		All Data Good	All data present, didnt calculate raw 6 min average.
Mar 29, 2017 4:24:02 PM	BATTERY 1	Missing Data from 3/29/2017 4:24:02 PM to 3/29/2017 4:30:02 PM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
			20.6	0.95%		
INSPECT DATE	FACILITY	EVENT DESCRIPTION	DURATION (hours)	% OPERATING TIME	ROOT CAUSE / CA RESPONSE	ACTION DESCRIPTION
Jan 5, 2017 12:36:02 AM	BATTERY 13	Missing Data from 1/5/2017 12:36:02 AM to 1/5/2017 12:42:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
Jan 19, 2017 8:18:02 AM	BATTERY 13	Missing Data from 1/19/2017 8:18:02 AM to 1/19/2017 8:24:02 AM	0.1		Communication Error	MISSING 16 TEN SECOND READINGS
Jan 24, 2017 6:54:02 AM	BATTERY 13	Missing Data from 1/24/2017 6:54:02 AM to 1/24/2017 10:42:02 AM	3.8		Preventative Maint	13 Battery EDC outage power was shut down to the battery
Jan 25, 2017 2:06:02 AM	BATTERY 13	Missing Data from 1/25/2017 2:06:02 AM to 1/25/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Jan 26, 2017 2:06:02 AM	BATTERY 13	Missing Data from 1/26/2017 2:06:02 AM to 1/26/2017 2:12:02 AM	0.1		Communication Error	ONE EXTRA TEN SECOND READING IN 6 MINUTE BLOCK
Jan 28, 2017 1:06:02 AM	BATTERY 13	Missing Data from 1/28/2017 1:06:02 AM to 1/28/2017 1:12:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Jan 29, 2017 2:06:02 AM	BATTERY 13	Missing Data from 1/29/2017 2:06:02 AM to 1/29/2017 2:12:02 AM	0.1		Communication Error	One extra 10 second reading, didnt calculate raw 6 min average.
Feb 1, 2017 2:06:02 AM	BATTERY 13	Missing Data from 2/1/2017 2:06:02 AM to 2/1/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Feb 2, 2017 2:06:02 AM	BATTERY 13	Missing Data from 2/2/2017 2:06:02 AM to 2/2/2017 2:12:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 4, 2017 2:06:02 AM	BATTERY 13	Missing Data from 2/4/2017 2:06:02 AM to 2/4/2017 2:12:02 AM	0.1		Communication Error	One extra 10 second reading, didnt calculate raw 6 min average.
Feb 6, 2017 2:06:02 AM	BATTERY 13	Missing Data from 2/6/2017 2:06:02 AM to 2/6/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 8, 2017 5:36:02 PM	BATTERY 13	Missing Data from 2/8/2017 5:36:02 PM to 2/8/2017 6:42:02 PM	1.1		Communication Error	MISSING 13 TEN SECOND READINGS
Mar 2, 2017 5:48:02 PM	BATTERY 13	Missing Data from 3/2/2017 5:48:02 PM to 3/2/2017 6:18:02 PM	0.5		Communication Error	MISSING 35 TEN SECOND READINGS DUE TO I HISTORIAN
Mar 2, 2017 11:54:02 PM	BATTERY 13	Missing Data from 3/2/2017 11:54:02 PM to 3/3/2017 12:00:02 AM	0.1		Communication Error	MISSING 35 TEN SECOND READINGS DUE TO I HISTORIAN
Mar 7, 2017 10:54:02 AM	BATTERY 13	Missing Data from 3/7/2017 10:54:02 AM to 3/7/2017 11:12:02 AM	0.3		Communication Error	All data present, didnt calculate raw 6 min average.
Mar 9, 2017 9:18:02 AM	BATTERY 13	Missing Data from 3/9/2017 9:18:02 AM to 3/9/2017 9:54:02 AM	0.6		Quarterly Audit	1ST QUARTER FILTER AUDIT WAS PERFORMED

Mar 12, 2017 1:54:02 AM	BATTERY 13	Missing Data from 3/12/2017 1:54:02 AM to 3/12/2017 2:54:02 AM	1.0		Communication Error	TIME REVERTED BACK TO 01:00 DUE TO DAYLIGHT SAVINGS TIME
Mar 12, 2017 1:06:02 PM	BATTERY 13	Missing Data from 3/12/2017 1:06:02 PM to 3/12/2017 2:06:02 PM	1.0		Communication Error	MISSING READINGS FROM 13:06 TO 14:06 CHECKED OPACITY
Mar 13, 2017 12:00:03 PM	BATTERY 13	Missing Data from 3/13/2017 12:00:03 PM to 3/13/2017 12:12:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACKPOLL FROM
Mar 19, 2017 10:54:02 PM	BATTERY 13	Missing Data from 3/19/2017 10:54:02 PM to 3/19/2017 11:12:02 PM	0.3		Communication Error	DID NOT CALCULATE RAW READING
Mar 26, 2017 2:06:02 AM	BATTERY 13	Missing Data from 3/26/2017 2:06:02 AM to 3/26/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Mar 27, 2017 12:12:02 AM	BATTERY 13	Missing Data from 3/27/2017 12:12:02 AM to 3/27/2017 1:12:02 AM	1.0		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 1:18:02 AM	BATTERY 13	Missing Data from 3/27/2017 1:18:02 AM to 3/27/2017 1:30:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 1:36:02 AM	BATTERY 13	Missing Data from 3/27/2017 1:36:02 AM to 3/27/2017 1:48:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 2:12:02 AM	BATTERY 13	Missing Data from 3/27/2017 2:12:02 AM to 3/27/2017 2:24:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 2:30:02 AM	BATTERY 13	Missing Data from 3/27/2017 2:30:02 AM to 3/27/2017 2:42:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 2:48:02 AM	BATTERY 13	Missing Data from 3/27/2017 2:48:02 AM to 3/27/2017 3:00:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:06:02 AM	BATTERY 13	Missing Data from 3/27/2017 3:06:02 AM to 3/27/2017 3:18:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:24:02 AM	BATTERY 13	Missing Data from 3/27/2017 3:24:02 AM to 3/27/2017 3:42:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:48:02 AM	BATTERY 13	Missing Data from 3/27/2017 3:48:02 AM to 3/27/2017 4:00:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 4:06:02 AM	BATTERY 13	Missing Data from 3/27/2017 4:06:02 AM to 3/27/2017 4:18:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 4:24:02 AM	BATTERY 13	Missing Data from 3/27/2017 4:24:02 AM to 3/27/2017 4:36:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 4:42:02 AM	BATTERY 13	Missing Data from 3/27/2017 4:42:02 AM to 3/27/2017 4:54:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:00:03 AM	BATTERY 13	Missing Data from 3/27/2017 5:00:03 AM to 3/27/2017 5:12:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:18:02 AM	BATTERY 13	Missing Data from 3/27/2017 5:18:02 AM to 3/27/2017 5:30:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:36:02 AM	BATTERY 13	Missing Data from 3/27/2017 5:36:02 AM to 3/27/2017 5:48:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 6:12:02 AM	BATTERY 13	Missing Data from 3/27/2017 6:12:02 AM to 3/27/2017 6:24:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:24:02 PM	BATTERY 13	Missing Data from 3/27/2017 5:24:02 PM to 3/27/2017 6:18:02 PM	0.9		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
			15.0	0.69%		
INSPECT DATE	FACILITY	EVENT DESCRIPTION	DURATION (hours)	% OPERATING TIME	ROOT CAUSE / CA RESPONSE	ACTION DESCRIPTION
Jan 5, 2017 12:18:02 AM	BATTERY 14	Missing Data from 1/5/2017 12:18:02 AM to 1/5/2017 12:24:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.

Jan 8, 2017 2:06:02 AM	BATTERY 14	Missing Data from 1/8/2017 2:06:02 AM to 1/8/2017 2:12:02 AM	0.1		Communication Error	Missing one ten second reading.
Jan 19, 2017 8:18:02 AM	BATTERY 14	Missing Data from 1/19/2017 8:18:02 AM to 1/19/2017 8:24:02 AM	0.1		Communication Error	MISSING 16 TEN SECOND READINGS
Jan 26, 2017 2:06:02 AM	BATTERY 14	Missing Data from 1/26/2017 2:06:02 AM to 1/26/2017 2:12:02 AM	0.1		Communication Error	ONE EXTRA TEN SECOND READING IN 6 MINUTE BLOCK
Jan 26, 2017 8:18:02 AM	BATTERY 14	Missing Data from 1/26/2017 8:18:02 AM to 1/26/2017 8:48:02 AM	0.5		Corrective Maint	FAILED MORNING CALIBRATION,TROUBLE SHOT AND FOUND THE
Jan 26, 2017 9:30:02 AM	BATTERY 14	Missing Data from 1/26/2017 9:30:02 AM to 1/26/2017 9:54:02 AM	0.4		Corrective Maint	ER REPLACED FAULTN ALLEN BRADLEN ANALOG INPUT CARD
Jan 28, 2017 1:42:02 AM	BATTERY 14	Missing Data from 1/28/2017 1:42:02 AM to 1/28/2017 1:48:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Jan 29, 2017 2:06:02 AM	BATTERY 14	Missing Data from 1/29/2017 2:06:02 AM to 1/29/2017 2:12:02 AM	0.1		Communication Error	One extra 10 second reading, didnt calculate raw 6 min average.
Feb 1, 2017 2:06:02 AM	BATTERY 14	Missing Data from 2/1/2017 2:06:02 AM to 2/1/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Feb 2, 2017 2:06:02 AM	BATTERY 14	Missing Data from 2/2/2017 2:06:02 AM to 2/2/2017 2:12:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 4, 2017 2:06:02 AM	BATTERY 14	Missing Data from 2/4/2017 2:06:02 AM to 2/4/2017 2:12:02 AM	0.1		Communication Error	One extra 10 second reading, didnt calculate raw 6 min average.
Feb 6, 2017 2:06:02 AM	BATTERY 14	Missing Data from 2/6/2017 2:06:02 AM to 2/6/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 6, 2017 10:12:02 AM	BATTERY 14	Missing Data from 2/6/2017 10:12:02 AM to 2/6/2017 10:18:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 6, 2017 10:24:02 AM	BATTERY 14	Missing Data from 2/6/2017 10:24:02 AM to 2/6/2017 10:30:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 8, 2017 5:30:02 PM	BATTERY 14	Missing Data from 2/8/2017 5:30:02 PM to 2/8/2017 6:42:02 PM	1.2		Communication Error	DID NOT CALCULATE RAW READING
Feb 19, 2017 7:06:02 PM	BATTERY 14	Missing Data from 2/19/2017 7:06:02 PM to 2/19/2017 7:12:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 22, 2017 11:54:02 PM	BATTERY 14	Missing Data from 2/22/2017 11:54:02 PM to 2/23/2017 12:00:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 23, 2017 2:06:02 AM	BATTERY 14	Missing Data from 2/23/2017 2:06:02 AM to 2/23/2017 2:12:02 AM	0.1		Communication Error	ONE EXTRA TEN SECOND READING
Mar 2, 2017 5:42:02 PM	BATTERY 14	Missing Data from 3/2/2017 5:42:02 PM to 3/2/2017 6:18:02 PM	0.6		Communication Error	MISSING MULTIPLE TEN SECOND READINGS DUE TO
Mar 2, 2017 11:54:02 PM	BATTERY 14	Missing Data from 3/2/2017 11:54:02 PM to 3/3/2017 12:00:02 AM	0.1		Communication Error	MISSING 35 TEN SECOND READINGS DUE TO I HISTORIAN
Mar 7, 2017 2:06:02 AM	BATTERY 14	Missing Data from 3/7/2017 2:06:02 AM to 3/7/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Mar 7, 2017 2:06:02 AM	BATTERY 14	Missing Data from 3/7/2017 2:06:02 AM to 3/7/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Mar 7, 2017 2:06:02 AM	BATTERY 14	Missing Data from 3/7/2017 2:06:02 AM to 3/7/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Mar 7, 2017 2:06:02 AM	BATTERY 14	Missing Data from 3/7/2017 2:06:02 AM to 3/7/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Mar 7, 2017 2:06:02 AM	BATTERY 14	Missing Data from 3/7/2017 2:06:02 AM to 3/7/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN

Mar 7, 2017 2:06:02 AM	BATTERY 14	Missing Data from 3/7/2017 2:06:02 AM to 3/7/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Mar 7, 2017 10:48:02 AM	BATTERY 14	Missing Data from 3/7/2017 10:48:02 AM to 3/7/2017 11:00:02 AM	0.2		Communication Error	All data present, didnt calculate raw 6 min average.
Mar 7, 2017 11:06:02 AM	BATTERY 14	Missing Data from 3/7/2017 11:06:02 AM to 3/7/2017 11:18:02 AM	0.2		Communication Error	All data present, did not calculate raw average data.
Mar 9, 2017 9:54:02 AM	BATTERY 14	Missing Data from 3/9/2017 9:54:02 AM to 3/9/2017 10:30:02 AM	0.6		Quarterly Audit	1ST QUARTER FILTER AUDIT WAS PERFORMED
Mar 12, 2017 1:54:02 AM	BATTERY 14	Missing Data from 3/12/2017 1:54:02 AM to 3/12/2017 2:54:02 AM	1.0		Communication Error	TIME REVERTED BACK TO 01:00 DUE TO DAYLIGHT SAVINGS TIME
Mar 12, 2017 1:06:02 PM	BATTERY 14	Missing Data from 3/12/2017 1:06:02 PM to 3/12/2017 2:06:02 PM	1.0		Communication Error	MISSING READINGS FROM 13:06 TO 14:06 CHECKED OPACITY
Mar 13, 2017 12:00:03 PM	BATTERY 14	Missing Data from 3/13/2017 12:00:03 PM to 3/13/2017 12:12:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACKPOLL FROM
Mar 26, 2017 2:06:02 AM	BATTERY 14	Missing Data from 3/26/2017 2:06:02 AM to 3/26/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Mar 27, 2017 12:12:02 AM	BATTERY 14	Missing Data from 3/27/2017 12:12:02 AM to 3/27/2017 1:12:02 AM	1.0		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 1:18:02 AM	BATTERY 14	Missing Data from 3/27/2017 1:18:02 AM to 3/27/2017 1:30:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 1:36:02 AM	BATTERY 14	Missing Data from 3/27/2017 1:36:02 AM to 3/27/2017 1:48:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 2:12:02 AM	BATTERY 14	Missing Data from 3/27/2017 2:12:02 AM to 3/27/2017 2:42:02 AM	0.5		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 2:48:02 AM	BATTERY 14	Missing Data from 3/27/2017 2:48:02 AM to 3/27/2017 3:00:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:06:02 AM	BATTERY 14	Missing Data from 3/27/2017 3:06:02 AM to 3/27/2017 3:18:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 3:24:02 AM	BATTERY 14	Missing Data from 3/27/2017 3:24:02 AM to 3/27/2017 3:42:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 3:48:02 AM	BATTERY 14	Missing Data from 3/27/2017 3:48:02 AM to 3/27/2017 4:00:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 4:06:02 AM	BATTERY 14	Missing Data from 3/27/2017 4:06:02 AM to 3/27/2017 4:18:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 4:24:02 AM	BATTERY 14	Missing Data from 3/27/2017 4:24:02 AM to 3/27/2017 4:36:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 4:42:02 AM	BATTERY 14	Missing Data from 3/27/2017 4:42:02 AM to 3/27/2017 4:54:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:00:03 AM	BATTERY 14	Missing Data from 3/27/2017 5:00:03 AM to 3/27/2017 5:12:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:18:02 AM	BATTERY 14	Missing Data from 3/27/2017 5:18:02 AM to 3/27/2017 5:30:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:36:02 AM	BATTERY 14	Missing Data from 3/27/2017 5:36:02 AM to 3/27/2017 5:48:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 6:12:02 AM	BATTERY 14	Missing Data from 3/27/2017 6:12:02 AM to 3/27/2017 6:24:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:24:02 PM	BATTERY 14	Missing Data from 3/27/2017 5:24:02 PM to 3/27/2017 6:18:02 PM	0.9		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
			13.3	0.62%		

INSPECT DATE	FACILITY	EVENT DESCRIPTION	DURATION (hours)	% OPERATING TIME	ROOT CAUSE / CA RESPONSE	ACTION DESCRIPTION
Jan 5, 2017 12:36:02 AM	BATTERY 15	Missing Data from 1/5/2017 12:36:02 AM to 1/5/2017 12:42:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
Jan 8, 2017 2:06:02 AM	BATTERY 15	Missing Data from 1/8/2017 2:06:02 AM to 1/8/2017 2:12:02 AM	0.1		Communication Error	Missing one ten second reading.
Jan 13, 2017 1:06:02 PM	BATTERY 15	Missing Data from 1/13/2017 1:06:02 PM to 1/13/2017 1:18:02 PM	0.2		Preventative Maint	Cleaned windows and ran calibration to bring down baseline.
Jan 19, 2017 8:18:02 AM	BATTERY 15	Missing Data from 1/19/2017 8:18:02 AM to 1/19/2017 8:24:02 AM	0.1		Communication Error	MISSING 16 TEN SECOND READINGS
Jan 19, 2017 11:12:02 AM	BATTERY 15	Missing Data from 1/19/2017 11:12:02 AM to 1/19/2017 11:48:02 AM	0.6		Quarterly Audit	1ST QUARTER FILTER AUDIT WAS PERFORMED
Jan 20, 2017 12:12:02 AM	BATTERY 15	Missing Data from 1/20/2017 12:12:02 AM to 1/20/2017 12:18:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Jan 26, 2017 2:06:02 AM	BATTERY 15	Missing Data from 1/26/2017 2:06:02 AM to 1/26/2017 2:12:02 AM	0.1		Communication Error	ONE EXTRA TEN SECOND READING IN 6 MINUTE BLOCK
Jan 28, 2017 12:36:02 AM	BATTERY 15	Missing Data from 1/28/2017 12:36:02 AM to 1/28/2017 12:42:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Feb 2, 2017 2:06:02 AM	BATTERY 15	Missing Data from 2/2/2017 2:06:02 AM to 2/2/2017 2:12:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 6, 2017 10:12:02 AM	BATTERY 15	Missing Data from 2/6/2017 10:12:02 AM to 2/6/2017 10:24:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Feb 6, 2017 10:12:02 AM	BATTERY 15	Missing Data from 2/6/2017 10:12:02 AM to 2/6/2017 10:24:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Feb 6, 2017 10:30:02 AM	BATTERY 15	Missing Data from 2/6/2017 10:30:02 AM to 2/6/2017 10:42:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACKPOLL
Feb 6, 2017 10:30:02 AM	BATTERY 15	Missing Data from 2/6/2017 10:30:02 AM to 2/6/2017 10:42:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACKPOLL
Feb 6, 2017 10:48:02 AM	BATTERY 15	Missing Data from 2/6/2017 10:48:02 AM to 2/6/2017 11:00:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACKPOLL
Feb 6, 2017 11:06:02 AM	BATTERY 15	Missing Data from 2/6/2017 11:06:02 AM to 2/6/2017 11:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACKPOLL
Feb 8, 2017 5:30:02 PM	BATTERY 15	Missing Data from 2/8/2017 5:30:02 PM to 2/8/2017 6:42:02 PM	1.2		Communication Error	MISSING ONE TEN SECOND READING
Feb 19, 2017 12:12:02 AM	BATTERY 15	Missing Data from 2/19/2017 12:12:02 AM to 2/19/2017 12:18:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Mar 2, 2017 5:42:02 PM	BATTERY 15	Missing Data from 3/2/2017 5:42:02 PM to 3/2/2017 6:18:02 PM	0.6		Communication Error	MISSING MULTIPLE TEN SECOND READINGS DUE TO
Mar 2, 2017 11:54:02 PM	BATTERY 15	Missing Data from 3/2/2017 11:54:02 PM to 3/3/2017 12:00:02 AM	0.1		Communication Error	MISSING 35 TEN SECOND READINGS DUE TO I HISTORIAN
Mar 7, 2017 10:48:02 AM	BATTERY 15	Missing Data from 3/7/2017 10:48:02 AM to 3/7/2017 11:00:02 AM	0.2		Communication Error	All data present, didnt calculate raw 6 min average.
Mar 7, 2017 11:06:02 AM	BATTERY 15	Missing Data from 3/7/2017 11:06:02 AM to 3/7/2017 11:18:02 AM	0.2		Communication Error	All data present, didnt calculate raw 6 min average.
Mar 12, 2017 1:54:02 AM	BATTERY 15	Missing Data from 3/12/2017 1:54:02 AM to 3/12/2017 2:54:02 AM	1.0		Communication Error	TIME REVERTED BACK TO 01:00 DUE TO DAYLIGHT SAVINGS TIME
Mar 12, 2017 1:06:02 PM	BATTERY 15	Missing Data from 3/12/2017 1:06:02 PM to 3/12/2017 2:06:02 PM	1.0		Communication Error	MISSING READINGS FROM 13:06 TO 14:06 CHECKED OPACITY
Mar 27, 2017 12:12:02 AM	BATTERY 15	Missing Data from 3/27/2017 12:12:02 AM to 3/27/2017 1:12:02 AM	1.0		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM

Mar 27, 2017 1:18:02 AM	BATTERY 15	Missing Data from 3/27/2017 1:18:02 AM to 3/27/2017 1:30:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 1:36:02 AM	BATTERY 15	Missing Data from 3/27/2017 1:36:02 AM to 3/27/2017 1:54:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 2:00:03 AM	BATTERY 15	Missing Data from 3/27/2017 2:00:03 AM to 3/27/2017 2:06:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 2:12:02 AM	BATTERY 15	Missing Data from 3/27/2017 2:12:02 AM to 3/27/2017 2:42:02 AM	0.5		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 2:48:02 AM	BATTERY 15	Missing Data from 3/27/2017 2:48:02 AM to 3/27/2017 3:00:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:06:02 AM	BATTERY 15	Missing Data from 3/27/2017 3:06:02 AM to 3/27/2017 3:18:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:24:02 AM	BATTERY 15	Missing Data from 3/27/2017 3:24:02 AM to 3/27/2017 3:42:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:48:02 AM	BATTERY 15	Missing Data from 3/27/2017 3:48:02 AM to 3/27/2017 4:00:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 4:06:02 AM	BATTERY 15	Missing Data from 3/27/2017 4:06:02 AM to 3/27/2017 4:36:02 AM	0.5		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 4:42:02 AM	BATTERY 15	Missing Data from 3/27/2017 4:42:02 AM to 3/27/2017 4:54:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:00:03 AM	BATTERY 15	Missing Data from 3/27/2017 5:00:03 AM to 3/27/2017 5:12:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:18:02 AM	BATTERY 15	Missing Data from 3/27/2017 5:18:02 AM to 3/27/2017 5:30:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:36:02 AM	BATTERY 15	Missing Data from 3/27/2017 5:36:02 AM to 3/27/2017 5:48:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 6:18:02 AM	BATTERY 15	Missing Data from 3/27/2017 6:18:02 AM to 3/27/2017 6:24:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:24:02 PM	BATTERY 15	Missing Data from 3/27/2017 5:24:02 PM to 3/27/2017 6:18:02 PM	0.9		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 30, 2017 10:06:02 AM	BATTERY 15	Missing Data from 3/30/2017 10:06:02 AM to 3/30/2017 10:18:02 AM	0.2		Preventative Maint	WORK ORDER WAS COMPLETED CLEANED EXIT GLASSES
			12.5	0.58%		

INSPECT DATE	FACILITY	EVENT DESCRIPTION	DURATION (hours)	% OPERATING TIME	ROOT CAUSE / CA RESPONSE	ACTION DESCRIPTION
Jan 8, 2017 2:06:02 AM	BATTERY 19	Missing Data from 1/8/2017 2:06:02 AM to 1/8/2017 2:12:02 AM	0.1		Communication Error	Missing one ten second reading.
Jan 19, 2017 9:30:02 AM	BATTERY 19	Missing Data from 1/19/2017 9:30:02 AM to 1/19/2017 10:00:02 AM	0.5		Quarterly Audit	1ST QUARTER FILTER AUDIT WAS PERFORMED
Jan 19, 2017 11:54:02 PM	BATTERY 19	Missing Data from 1/19/2017 11:54:02 PM to 1/20/2017 12:00:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Jan 26, 2017 2:06:02 AM	BATTERY 19	Missing Data from 1/26/2017 2:06:02 AM to 1/26/2017 2:12:02 AM	0.1		Communication Error	ONE EXTRA TEN SECOND READING IN 6 MINUTE BLOCK
Jan 28, 2017 12:54:02 AM	BATTERY 19	Missing Data from 1/28/2017 12:54:02 AM to 1/28/2017 1:00:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Jan 28, 2017 2:30:02 AM	BATTERY 19	Missing Data from 1/28/2017 2:30:02 AM to 1/28/2017 2:36:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Jan 29, 2017 2:06:02 AM	BATTERY 19	Missing Data from 1/29/2017 2:06:02 AM to 1/29/2017 2:12:02 AM	0.1		Communication Error	One extra 10 second reading, didnt calculate raw 6 min average.

Feb 1, 2017 2:06:02 AM	BATTERY 19	Missing Data from 2/1/2017 2:06:02 AM to 2/1/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Feb 2, 2017 2:06:02 AM	BATTERY 19	Missing Data from 2/2/2017 2:06:02 AM to 2/2/2017 2:12:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 4, 2017 2:06:02 AM	BATTERY 19	Missing Data from 2/4/2017 2:06:02 AM to 2/4/2017 2:12:02 AM	0.1		Communication Error	One extra 10 second reading, didnt calculate raw 6 min average.
Feb 6, 2017 2:06:02 AM	BATTERY 19	Missing Data from 2/6/2017 2:06:02 AM to 2/6/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 6, 2017 7:36:02 AM	BATTERY 19	Missing Data from 2/6/2017 7:36:02 AM to 2/6/2017 11:18:02 AM	3.7		Power Failure	MISSING DATA DUE TO OUTAGE ON 19 AND 20 BATTERIES
Feb 6, 2017 10:00:03 AM	BATTERY 19	Missing Data from 2/6/2017 10:00:03 AM to 2/6/2017 11:18:02 AM	1.3		Power Failure	MISSING DATA DUE TO OUTAGE ON 19 AND 20 BATTERIES
Feb 8, 2017 5:36:02 PM	BATTERY 19	Missing Data from 2/8/2017 5:36:02 PM to 2/8/2017 6:42:02 PM	1.1		Communication Error	MISSING 13 TEN SECOND READINGS
Feb 10, 2017 9:54:02 AM	BATTERY 19	Missing Data from 2/10/2017 9:54:02 AM to 2/10/2017 10:00:02 AM	0.1		Communication Error	Missing four 10 second readings, didnt calculate raw 6 min average.
Mar 2, 2017 5:36:02 PM	BATTERY 19	Missing Data from 3/2/2017 5:36:02 PM to 3/2/2017 6:18:02 PM	0.7		Communication Error	MISSING 35 TEN SECOND READINGS DUE TO I HISTORIAN
Mar 2, 2017 11:54:02 PM	BATTERY 19	Missing Data from 3/2/2017 11:54:02 PM to 3/3/2017 12:00:02 AM	0.1		Communication Error	MISSING 35 TEN SECOND READINGS DUE TO I HISTORIAN
Mar 7, 2017 10:48:02 AM	BATTERY 19	Missing Data from 3/7/2017 10:48:02 AM to 3/7/2017 11:00:02 AM	0.2		Communication Error	All data present, did not calculate raw average data.
Mar 7, 2017 11:06:02 AM	BATTERY 19	Missing Data from 3/7/2017 11:06:02 AM to 3/7/2017 11:18:02 AM	0.2		Communication Error	All data present, did not calculate raw average data.
Mar 12, 2017 1:54:02 AM	BATTERY 19	Missing Data from 3/12/2017 1:54:02 AM to 3/12/2017 2:54:02 AM	1.0		Communication Error	TIME REVERTED BACK TO 01:00 DUE TO DAYLIGHT SAVINGS TIME
Mar 13, 2017 1:06:02 AM	BATTERY 19	Missing Data from 3/13/2017 1:06:02 AM to 3/13/2017 2:06:02 AM	1.0		Communication Error	MISSING MULTIPLE TEN SECOND READINGS
Mar 13, 2017 12:00:03 PM	BATTERY 19	Missing Data from 3/13/2017 12:00:03 PM to 3/13/2017 12:12:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACKPOLL FROM
Mar 26, 2017 2:06:02 AM	BATTERY 19	Missing Data from 3/26/2017 2:06:02 AM to 3/26/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Mar 27, 2017 12:12:02 AM	BATTERY 19	Missing Data from 3/27/2017 12:12:02 AM to 3/27/2017 1:12:02 AM	1.0		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 1:18:02 AM	BATTERY 19	Missing Data from 3/27/2017 1:18:02 AM to 3/27/2017 1:30:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 1:36:02 AM	BATTERY 19	Missing Data from 3/27/2017 1:36:02 AM to 3/27/2017 1:54:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 2:00:03 AM	BATTERY 19	Missing Data from 3/27/2017 2:00:03 AM to 3/27/2017 2:06:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 2:12:02 AM	BATTERY 19	Missing Data from 3/27/2017 2:12:02 AM to 3/27/2017 2:42:02 AM	0.5		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 2:48:02 AM	BATTERY 19	Missing Data from 3/27/2017 2:48:02 AM to 3/27/2017 3:00:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:06:02 AM	BATTERY 19	Missing Data from 3/27/2017 3:06:02 AM to 3/27/2017 3:18:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:24:02 AM	BATTERY 19	Missing Data from 3/27/2017 3:24:02 AM to 3/27/2017 4:06:02 AM	0.7		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 4:12:02 AM	BATTERY 19	Missing Data from 3/27/2017 4:12:02 AM to 3/27/2017 4:30:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM

Mar 27, 2017 4:36:02 AM	BATTERY 19	Missing Data from 3/27/2017 4:36:02 AM to 3/27/2017 4:48:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:12:02 AM	BATTERY 19	Missing Data from 3/27/2017 5:12:02 AM to 3/27/2017 5:24:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:30:02 AM	BATTERY 19	Missing Data from 3/27/2017 5:30:02 AM to 3/27/2017 5:42:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:48:02 AM	BATTERY 19	Missing Data from 3/27/2017 5:48:02 AM to 3/27/2017 6:00:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 6:06:02 AM	BATTERY 19	Missing Data from 3/27/2017 6:06:02 AM to 3/27/2017 6:18:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 6:24:02 AM	BATTERY 19	Missing Data from 3/27/2017 6:24:02 AM to 3/27/2017 6:30:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:24:02 PM	BATTERY 19	Missing Data from 3/27/2017 5:24:02 PM to 3/27/2017 6:18:02 PM	0.9		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
			16.7	0.77%		
INSPECT DATE	FACILITY	EVENT DESCRIPTION	DURATION (hours)	% OPERATING TIME	ROOT CAUSE / CA RESPONSE	ACTION DESCRIPTION
Jan 15, 2017 12:24:02 AM	BATTERY 2	Missing Data from 1/15/2017 12:24:02 AM to 1/15/2017 12:36:02 AM	0.2		All Data Good	All data present, didnt calculate raw 6 min average.
Jan 18, 2017 4:24:02 PM	BATTERY 2	Missing Data from 1/18/2017 4:24:02 PM to 1/18/2017 4:36:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Jan 23, 2017 4:24:02 PM	BATTERY 2	Missing Data from 1/23/2017 4:24:02 PM to 1/23/2017 4:36:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Jan 24, 2017 9:18:02 AM	BATTERY 2	Missing Data from 1/24/2017 9:18:02 AM to 1/24/2017 10:48:02 AM	1.5		Communication Error	MISSING READINGS FROM 9:18 TO 10:48 REASON UNKNOWN
Jan 25, 2017 1:42:02 PM	BATTERY 2	Missing Data from 1/25/2017 1:42:02 PM to 1/25/2017 2:12:02 PM	0.5		Quarterly Audit	1ST QUARTER FILTER AUDIT WAS PERFORMED
Jan 26, 2017 12:24:02 AM	BATTERY 2	Missing Data from 1/26/2017 12:24:02 AM to 1/26/2017 12:36:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Jan 28, 2017 1:54:02 AM	BATTERY 2	Missing Data from 1/28/2017 1:54:02 AM to 1/28/2017 2:00:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Jan 29, 2017 4:24:02 PM	BATTERY 2	Missing Data from 1/29/2017 4:24:02 PM to 1/29/2017 4:36:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Jan 30, 2017 4:24:02 PM	BATTERY 2	Missing Data from 1/30/2017 4:24:02 PM to 1/30/2017 4:36:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Feb 3, 2017 4:24:02 PM	BATTERY 2	Missing Data from 2/3/2017 4:24:02 PM to 2/3/2017 4:36:02 PM	0.2		All Data Good	All data present, didnt calculate raw 6 min average.
Feb 5, 2017 4:24:02 PM	BATTERY 2	Missing Data from 2/5/2017 4:24:02 PM to 2/5/2017 4:36:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Feb 8, 2017 4:24:02 PM	BATTERY 2	Missing Data from 2/8/2017 4:24:02 PM to 2/8/2017 4:36:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Feb 8, 2017 5:30:02 PM	BATTERY 2	Missing Data from 2/8/2017 5:30:02 PM to 2/8/2017 6:36:02 PM	1.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 11, 2017 8:24:02 AM	BATTERY 2	Missing Data from 2/11/2017 8:24:02 AM to 2/11/2017 8:36:02 AM	0.2		All Data Good	All data present, didnt calculate raw 6 min average.
Feb 12, 2017 12:12:02 AM	BATTERY 2	Missing Data from 2/12/2017 12:12:02 AM to 2/12/2017 12:30:02 AM	0.3		Communication Error	Missing 7 ten second readings, didnt calculate raw 6 min average.
Feb 14, 2017 4:24:02 PM	BATTERY 2	Missing Data from 2/14/2017 4:24:02 PM to 2/14/2017 4:36:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING

Feb 15, 2017 4:24:02 PM	BATTERY 2	Missing Data from 2/15/2017 4:24:02 PM to 2/15/2017 4:36:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Feb 19, 2017 12:48:02 AM	BATTERY 2	Missing Data from 2/19/2017 12:48:02 AM to 2/19/2017 12:54:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 20, 2017 4:24:02 PM	BATTERY 2	Missing Data from 2/20/2017 4:24:02 PM to 2/20/2017 4:36:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Feb 25, 2017 4:24:02 PM	BATTERY 2	Missing Data from 2/25/2017 4:24:02 PM to 2/25/2017 4:36:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Feb 28, 2017 12:24:02 AM	BATTERY 2	Missing Data from 2/28/2017 12:24:02 AM to 2/28/2017 12:36:02 AM	0.2		Communication Error	All data present, did not calculate raw average data.
Mar 2, 2017 5:48:02 PM	BATTERY 2	Missing Data from 3/2/2017 5:48:02 PM to 3/2/2017 6:18:02 PM	0.5		Communication Error	MISSING 35 TEN SECOND READINGS DUE TO I HISTORIAN
Mar 2, 2017 11:54:02 PM	BATTERY 2	Missing Data from 3/2/2017 11:54:02 PM to 3/3/2017 12:00:02 AM	0.1		Communication Error	MISSING 35 TEN SECOND READINGS DUE TO I HISTORIAN
Mar 7, 2017 10:48:02 AM	BATTERY 2	Missing Data from 3/7/2017 10:48:02 AM to 3/7/2017 11:18:02 AM	0.5		Communication Error	All data present, didnt calculate raw 6 min average.
Mar 10, 2017 12:24:02 AM	BATTERY 2	Missing Data from 3/10/2017 12:24:02 AM to 3/10/2017 12:36:02 AM	0.2		All Data Good	All data present, didnt calculate raw 6 min average.
Mar 12, 2017 12:24:02 AM	BATTERY 2	Missing Data from 3/12/2017 12:24:02 AM to 3/12/2017 12:36:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Mar 12, 2017 1:54:02 AM	BATTERY 2	Missing Data from 3/12/2017 1:54:02 AM to 3/12/2017 3:00:02 AM	1.1		Communication Error	TIME REVERTED BACK TO 01:00 DUE TO DAYLIGHT SAVINGS TIME
Mar 13, 2017 12:00:03 PM	BATTERY 2	Missing Data from 3/13/2017 12:00:03 PM to 3/13/2017 12:12:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACKPOLL FROM
Mar 15, 2017 4:24:02 PM	BATTERY 2	Missing Data from 3/15/2017 4:24:02 PM to 3/15/2017 4:36:02 PM	0.2		All Data Good	All data present, didnt calculate raw 6 min average.
Mar 21, 2017 4:24:02 PM	BATTERY 2	Missing Data from 3/21/2017 4:24:02 PM to 3/21/2017 4:36:02 PM	0.2		Communication Error	All data present, did not calculate raw average data.
Mar 24, 2017 12:24:02 AM	BATTERY 2	Missing Data from 3/24/2017 12:24:02 AM to 3/24/2017 12:36:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Mar 27, 2017 12:12:02 AM	BATTERY 2	Missing Data from 3/27/2017 12:12:02 AM to 3/27/2017 1:12:02 AM	1.0		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 1:18:02 AM	BATTERY 2	Missing Data from 3/27/2017 1:18:02 AM to 3/27/2017 1:30:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 1:36:02 AM	BATTERY 2	Missing Data from 3/27/2017 1:36:02 AM to 3/27/2017 1:48:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 2:12:02 AM	BATTERY 2	Missing Data from 3/27/2017 2:12:02 AM to 3/27/2017 2:24:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 2:30:02 AM	BATTERY 2	Missing Data from 3/27/2017 2:30:02 AM to 3/27/2017 2:42:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 2:48:02 AM	BATTERY 2	Missing Data from 3/27/2017 2:48:02 AM to 3/27/2017 2:54:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:00:03 AM	BATTERY 2	Missing Data from 3/27/2017 3:00:03 AM to 3/27/2017 3:18:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:24:02 AM	BATTERY 2	Missing Data from 3/27/2017 3:24:02 AM to 3/27/2017 3:36:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:42:02 AM	BATTERY 2	Missing Data from 3/27/2017 3:42:02 AM to 3/27/2017 4:00:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 4:06:02 AM	BATTERY 2	Missing Data from 3/27/2017 4:06:02 AM to 3/27/2017 4:18:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM

Mar 27, 2017 4:24:02 AM	BATTERY 2	Missing Data from 3/27/2017 4:24:02 AM to 3/27/2017 4:36:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 4:42:02 AM	BATTERY 2	Missing Data from 3/27/2017 4:42:02 AM to 3/27/2017 4:48:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:18:02 AM	BATTERY 2	Missing Data from 3/27/2017 5:18:02 AM to 3/27/2017 5:48:02 AM	0.5		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 6:18:02 AM	BATTERY 2	Missing Data from 3/27/2017 6:18:02 AM to 3/27/2017 6:30:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:24:02 PM	BATTERY 2	Missing Data from 3/27/2017 5:24:02 PM to 3/27/2017 6:18:02 PM	0.9		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
			14.8	0.69%		
INSPECT DATE	FACILITY	EVENT DESCRIPTION	DURATION (hours)	% OPERATING TIME	ROOT CAUSE / CA RESPONSE	ACTION DESCRIPTION
Jan 8, 2017 2:06:02 AM	BATTERY 20	Missing Data from 1/8/2017 2:06:02 AM to 1/8/2017 2:12:02 AM	0.1		Communication Error	Missing one ten second reading.
Jan 19, 2017 10:00:03 AM	BATTERY 20	Missing Data from 1/19/2017 10:00:03 AM to 1/19/2017 10:42:02 AM	0.7		Quarterly Audit	1ST QUARTER FILTER AUDIT WAS PERFORMED
Jan 20, 2017 12:18:02 AM	BATTERY 20	Missing Data from 1/20/2017 12:18:02 AM to 1/20/2017 12:24:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Jan 22, 2017 2:00:03 AM	BATTERY 20	Missing Data from 1/22/2017 2:00:03 AM to 1/22/2017 2:06:02 AM	0.1		Communication Error	Missing 10 second data for 12 minutes, suspect ethernet issues.
Jan 26, 2017 2:06:02 AM	BATTERY 20	Missing Data from 1/26/2017 2:06:02 AM to 1/26/2017 2:12:02 AM	0.1		Communication Error	ONE EXTRA TEN SECOND READING IN 6 MINUTE BLOCK
Jan 28, 2017 1:12:02 AM	BATTERY 20	Missing Data from 1/28/2017 1:12:02 AM to 1/28/2017 1:18:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Jan 28, 2017 2:42:02 AM	BATTERY 20	Missing Data from 1/28/2017 2:42:02 AM to 1/28/2017 2:48:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Jan 29, 2017 2:06:02 AM	BATTERY 20	Missing Data from 1/29/2017 2:06:02 AM to 1/29/2017 2:12:02 AM	0.1		Communication Error	One extra 10 second reading, didnt calculate raw 6 min average.
Feb 1, 2017 2:06:02 AM	BATTERY 20	Missing Data from 2/1/2017 2:06:02 AM to 2/1/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Feb 2, 2017 2:06:02 AM	BATTERY 20	Missing Data from 2/2/2017 2:06:02 AM to 2/2/2017 2:12:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 4, 2017 2:06:02 AM	BATTERY 20	Missing Data from 2/4/2017 2:06:02 AM to 2/4/2017 2:12:02 AM	0.1		Communication Error	One extra 10 second reading, didnt calculate raw 6 min average.
Feb 6, 2017 2:06:02 AM	BATTERY 20	Missing Data from 2/6/2017 2:06:02 AM to 2/6/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 6, 2017 7:36:02 AM	BATTERY 20	Missing Data from 2/6/2017 7:36:02 AM to 2/6/2017 11:18:02 AM	3.7		Power Failure	MISSING DATA DUE TO OUTAGE ON 19 AND 20 BATTERIES
Feb 6, 2017 10:00:03 AM	BATTERY 20	Missing Data from 2/6/2017 10:00:03 AM to 2/6/2017 11:18:02 AM	1.3		Power Failure	MISSING DATA DUE TO OUTAGE ON 19 AND 20 BATTERIES
Feb 8, 2017 5:42:02 PM	BATTERY 20	Missing Data from 2/8/2017 5:42:02 PM to 2/8/2017 6:30:02 PM	0.8		Communication Error	MISSING 30 TEN SECOND READINGS
Feb 9, 2017 2:06:02 AM	BATTERY 20	Missing Data from 2/9/2017 2:06:02 AM to 2/9/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING HAD 1 EXTRA TEN SECOND
Feb 9, 2017 2:06:02 AM	BATTERY 20	Missing Data from 2/9/2017 2:06:02 AM to 2/9/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING HAD 1 EXTRA TEN SECOND

Feb 19, 2017 12:54:02 AM	BATTERY 20	Missing Data from 2/19/2017 12:54:02 AM to 2/19/2017 1:00:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 23, 2017 2:06:02 AM	BATTERY 20	Missing Data from 2/23/2017 2:06:02 AM to 2/23/2017 2:12:02 AM	0.1		Communication Error	ONE EXTRA TEN SECOND READING
Feb 26, 2017 2:06:02 AM	BATTERY 20	Missing Data from 2/26/2017 2:06:02 AM to 2/26/2017 2:12:02 AM	0.1		Communication Error	ONE EXTRA TEN SECOND READING
Mar 2, 2017 5:42:02 PM	BATTERY 20	Missing Data from 3/2/2017 5:42:02 PM to 3/2/2017 6:18:02 PM	0.6		Communication Error	MISSING MULTIPLE TEN SECOND READINGS DUE TO
Mar 2, 2017 11:54:02 PM	BATTERY 20	Missing Data from 3/2/2017 11:54:02 PM to 3/3/2017 12:00:02 AM	0.1		Communication Error	MISSING 35 TEN SECOND READINGS DUE TO I HISTORIAN
Mar 7, 2017 2:06:02 AM	BATTERY 20	Missing Data from 3/7/2017 2:06:02 AM to 3/7/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Mar 7, 2017 2:06:02 AM	BATTERY 20	Missing Data from 3/7/2017 2:06:02 AM to 3/7/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Mar 7, 2017 2:06:02 AM	BATTERY 20	Missing Data from 3/7/2017 2:06:02 AM to 3/7/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Mar 7, 2017 2:06:02 AM	BATTERY 20	Missing Data from 3/7/2017 2:06:02 AM to 3/7/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Mar 7, 2017 2:06:02 AM	BATTERY 20	Missing Data from 3/7/2017 2:06:02 AM to 3/7/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Mar 7, 2017 2:06:02 AM	BATTERY 20	Missing Data from 3/7/2017 2:06:02 AM to 3/7/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Mar 7, 2017 2:06:02 AM	BATTERY 20	Missing Data from 3/7/2017 2:06:02 AM to 3/7/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Mar 7, 2017 10:48:02 AM	BATTERY 20	Missing Data from 3/7/2017 10:48:02 AM to 3/7/2017 11:00:02 AM	0.2		Communication Error	All data present, didnt calculate raw 6 min average.
Mar 7, 2017 11:06:02 AM	BATTERY 20	Missing Data from 3/7/2017 11:06:02 AM to 3/7/2017 11:18:02 AM	0.2		Communication Error	All data present, didnt calculate raw 6 min average.
Mar 7, 2017 1:00:03 PM	BATTERY 20	Missing Data from 3/7/2017 1:00:03 PM to 3/7/2017 1:12:02 PM	0.2		Communication Error	All data present, did not calculate raw average data.
Mar 12, 2017 1:54:02 AM	BATTERY 20	Missing Data from 3/12/2017 1:54:02 AM to 3/12/2017 2:54:02 AM	1.0		Communication Error	TIME REVERTED BACK TO 01:00 DUE TO DAYLIGHT SAVINGS TIME
Mar 13, 2017 1:06:02 AM	BATTERY 20	Missing Data from 3/13/2017 1:06:02 AM to 3/13/2017 2:06:02 AM	1.0		Communication Error	MISSING MULTIPLE TEN SECOND READINGS
Mar 13, 2017 12:00:03 PM	BATTERY 20	Missing Data from 3/13/2017 12:00:03 PM to 3/13/2017 12:12:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACKPOLL FROM
Mar 13, 2017 12:30:02 PM	BATTERY 20	Missing Data from 3/13/2017 12:30:02 PM to 3/13/2017 12:36:02 PM	0.1		Communication Error	DID NOT CALCULTAE RAW READING DUE TO BACKPOLL FROM
Mar 22, 2017 1:12:02 AM	BATTERY 20	Missing Data from 3/22/2017 1:12:02 AM to 3/22/2017 1:42:02 AM	0.5		Power Failure	Power failures occured on 20 Batt stack yesterday morning. Monitor OK.
Mar 22, 2017 2:42:02 AM	BATTERY 20	Missing Data from 3/22/2017 2:42:02 AM to 3/22/2017 4:42:02 AM	2.0		Power Failure	Power failures occured on 20 Batt stack yesterday morning. Monitor OK.
Mar 22, 2017 2:42:02 AM	BATTERY 20	Missing Data from 3/22/2017 2:42:02 AM to 3/22/2017 4:42:02 AM	2.0		Power Failure	Power failures occured on 20 Batt stack yesterday morning. Monitor OK.
Mar 22, 2017 3:00:03 AM	BATTERY 20	Missing Data from 3/22/2017 3:00:03 AM to 3/22/2017 4:42:02 AM	1.7		Power Failure	Power failures occured on 20 Batt stack yesterday morning. Monitor OK.

Mar 22, 2017 4:00:03 AM	BATTERY 20	Missing Data from 3/22/2017 4:00:03 AM to 3/22/2017 4:42:02 AM	0.7		Power Failure	Power failures occured on 20 Batt stack yesterday morning. Monitor OK.
Mar 22, 2017 4:48:02 AM	BATTERY 20	Missing Data from 3/22/2017 4:48:02 AM to 3/22/2017 6:00:02 AM	1.2		Power Failure	Power failures occured on 20 Batt stack yesterday morning. Monitor OK.
Mar 22, 2017 4:48:02 AM	BATTERY 20	Missing Data from 3/22/2017 4:48:02 AM to 3/22/2017 6:00:02 AM	1.2		Power Failure	Power failures occured on 20 Batt stack yesterday morning. Monitor OK.
Mar 26, 2017 2:06:02 AM	BATTERY 20	Missing Data from 3/26/2017 2:06:02 AM to 3/26/2017 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO ONE EXTRA TEN
Mar 27, 2017 12:12:02 AM	BATTERY 20	Missing Data from 3/27/2017 12:12:02 AM to 3/27/2017 1:12:02 AM	1.0		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 1:18:02 AM	BATTERY 20	Missing Data from 3/27/2017 1:18:02 AM to 3/27/2017 1:30:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 1:36:02 AM	BATTERY 20	Missing Data from 3/27/2017 1:36:02 AM to 3/27/2017 1:54:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 2:00:03 AM	BATTERY 20	Missing Data from 3/27/2017 2:00:03 AM to 3/27/2017 2:06:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 2:12:02 AM	BATTERY 20	Missing Data from 3/27/2017 2:12:02 AM to 3/27/2017 2:42:02 AM	0.5		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 2:48:02 AM	BATTERY 20	Missing Data from 3/27/2017 2:48:02 AM to 3/27/2017 3:00:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:06:02 AM	BATTERY 20	Missing Data from 3/27/2017 3:06:02 AM to 3/27/2017 3:18:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:24:02 AM	BATTERY 20	Missing Data from 3/27/2017 3:24:02 AM to 3/27/2017 4:12:02 AM	0.8		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 4:18:02 AM	BATTERY 20	Missing Data from 3/27/2017 4:18:02 AM to 3/27/2017 4:30:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 4:36:02 AM	BATTERY 20	Missing Data from 3/27/2017 4:36:02 AM to 3/27/2017 4:48:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:12:02 AM	BATTERY 20	Missing Data from 3/27/2017 5:12:02 AM to 3/27/2017 5:24:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:30:02 AM	BATTERY 20	Missing Data from 3/27/2017 5:30:02 AM to 3/27/2017 5:42:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:48:02 AM	BATTERY 20	Missing Data from 3/27/2017 5:48:02 AM to 3/27/2017 6:00:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 6:06:02 AM	BATTERY 20	Missing Data from 3/27/2017 6:06:02 AM to 3/27/2017 6:18:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 6:24:02 AM	BATTERY 20	Missing Data from 3/27/2017 6:24:02 AM to 3/27/2017 6:30:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:24:02 PM	BATTERY 20	Missing Data from 3/27/2017 5:24:02 PM to 3/27/2017 6:18:02 PM	0.9		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
			27.3	1.26%		

INSPECT DATE	FACILITY	EVENT DESCRIPTION	DURATION (hours)	% OPERATING TIME	ROOT CAUSE / CA RESPONSE	ACTION DESCRIPTION
Jan 4, 2017 4:30:02 PM	BATTERY 3	Missing Data from 1/4/2017 4:30:02 PM to 1/4/2017 4:36:02 PM	0.1		Communication Error	All data present, did not calculate raw average data.
Jan 10, 2017 10:48:02 AM	BATTERY 3	Missing Data from 1/10/2017 10:48:02 AM to 1/10/2017 11:00:02 AM	0.2		Preventative Maint	Cleaned windows, ran sets in order to bring down baselines.

Jan 17, 2017 11:54:02 PM	BATTERY 3	Missing Data from 1/17/2017 11:54:02 PM to 1/18/2017 12:00:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Jan 20, 2017 12:36:02 AM	BATTERY 3	Missing Data from 1/20/2017 12:36:02 AM to 1/20/2017 12:42:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Jan 28, 2017 12:48:02 AM	BATTERY 3	Missing Data from 1/28/2017 12:48:02 AM to 1/28/2017 12:54:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Feb 6, 2017 10:12:02 AM	BATTERY 3	Missing Data from 2/6/2017 10:12:02 AM to 2/6/2017 10:24:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Feb 6, 2017 10:12:02 AM	BATTERY 3	Missing Data from 2/6/2017 10:12:02 AM to 2/6/2017 10:24:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING
Feb 6, 2017 10:30:02 AM	BATTERY 3	Missing Data from 2/6/2017 10:30:02 AM to 2/6/2017 11:12:02 AM	0.7		Communication Error	DID NOT CALCULATE RAW READING
Feb 8, 2017 5:24:02 PM	BATTERY 3	Missing Data from 2/8/2017 5:24:02 PM to 2/8/2017 6:36:02 PM	1.2		Communication Error	DID NOT CALCULATE RAW READING
Feb 19, 2017 12:48:02 AM	BATTERY 3	Missing Data from 2/19/2017 12:48:02 AM to 2/19/2017 12:54:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Mar 2, 2017 5:30:02 PM	BATTERY 3	Missing Data from 3/2/2017 5:30:02 PM to 3/2/2017 6:18:02 PM	0.8		Communication Error	MISSING 35 TEN SECOND READINGS DUE TO I HISTORIAN
Mar 2, 2017 11:54:02 PM	BATTERY 3	Missing Data from 3/2/2017 11:54:02 PM to 3/3/2017 12:00:02 AM	0.1		Communication Error	MISSING 35 TEN SECOND READINGS DUE TO I HISTORIAN
Mar 7, 2017 10:48:02 AM	BATTERY 3	Missing Data from 3/7/2017 10:48:02 AM to 3/7/2017 11:18:02 AM	0.5		Communication Error	All data present, did not calculate raw average data.
Mar 9, 2017 10:36:02 AM	BATTERY 3	Missing Data from 3/9/2017 10:36:02 AM to 3/9/2017 11:12:02 AM	0.6		Quarterly Audit	1ST QUARTER FILTER AUDIT WAS PERFORMED
Mar 9, 2017 6:12:02 PM	BATTERY 3	Missing Data from 3/9/2017 6:12:02 PM to 3/9/2017 6:18:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Mar 9, 2017 7:06:02 PM	BATTERY 3	Missing Data from 3/9/2017 7:06:02 PM to 3/9/2017 7:18:02 PM	0.2		Communication Error	MISSING MULTIPLE TEN SECOND READINGS
Mar 12, 2017 1:54:02 AM	BATTERY 3	Missing Data from 3/12/2017 1:54:02 AM to 3/12/2017 3:00:02 AM	1.1		Communication Error	TIME REVERTED BACK TO 01:00 DUE TO DAYLIGHT SAVINGS TIME
Mar 13, 2017 8:30:02 AM	BATTERY 3	Missing Data from 3/13/2017 8:30:02 AM to 3/13/2017 8:36:02 AM	0.1		Communication Error	MISSING MULTIPLE TEN SECOND READINGS
Mar 13, 2017 12:00:03 PM	BATTERY 3	Missing Data from 3/13/2017 12:00:03 PM to 3/13/2017 12:12:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACKPOLL FROM
Mar 26, 2017 11:48:02 AM	BATTERY 3	Missing Data from 3/26/2017 11:48:02 AM to 3/26/2017 11:54:02 AM	0.1		All Data Good	NO DATA WAS COMING IN TO CMS PORTAL PLC WAS REBOOTED
Mar 26, 2017 12:00:03 PM	BATTERY 3	Missing Data from 3/26/2017 12:00:03 PM to 3/26/2017 12:06:02 PM	0.1		All Data Good	NO DATA WAS COMING IN TO CMS PORTAL PLC WAS REBOOTED
Mar 26, 2017 12:42:02 PM	BATTERY 3	Missing Data from 3/26/2017 12:42:02 PM to 3/26/2017 12:48:02 PM	0.1		All Data Good	NO DATA WAS COMING IN TO CMS PORTAL PLC WAS REBOOTED
Mar 27, 2017 12:12:02 AM	BATTERY 3	Missing Data from 3/27/2017 12:12:02 AM to 3/27/2017 1:12:02 AM	1.0		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 1:00:03 AM	BATTERY 3	Missing Data from 3/27/2017 1:00:03 AM to 3/27/2017 1:12:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 1:18:02 AM	BATTERY 3	Missing Data from 3/27/2017 1:18:02 AM to 3/27/2017 1:30:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 1:36:02 AM	BATTERY 3	Missing Data from 3/27/2017 1:36:02 AM to 3/27/2017 1:48:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 2:00:03 AM	BATTERY 3	Missing Data from 3/27/2017 2:00:03 AM to 3/27/2017 2:06:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM

Mar 27, 2017 2:12:02 AM	BATTERY 3	Missing Data from 3/27/2017 2:12:02 AM to 3/27/2017 2:30:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 2:36:02 AM	BATTERY 3	Missing Data from 3/27/2017 2:36:02 AM to 3/27/2017 2:48:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:12:02 AM	BATTERY 3	Missing Data from 3/27/2017 3:12:02 AM to 3/27/2017 3:30:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:36:02 AM	BATTERY 3	Missing Data from 3/27/2017 3:36:02 AM to 3/27/2017 3:42:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 3:48:02 AM	BATTERY 3	Missing Data from 3/27/2017 3:48:02 AM to 3/27/2017 4:06:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 4:12:02 AM	BATTERY 3	Missing Data from 3/27/2017 4:12:02 AM to 3/27/2017 4:24:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 4:30:02 AM	BATTERY 3	Missing Data from 3/27/2017 4:30:02 AM to 3/27/2017 4:48:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:12:02 AM	BATTERY 3	Missing Data from 3/27/2017 5:12:02 AM to 3/27/2017 5:30:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:36:02 AM	BATTERY 3	Missing Data from 3/27/2017 5:36:02 AM to 3/27/2017 5:48:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 6:12:02 AM	BATTERY 3	Missing Data from 3/27/2017 6:12:02 AM to 3/27/2017 6:30:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:24:02 PM	BATTERY 3	Missing Data from 3/27/2017 5:24:02 PM to 3/27/2017 6:18:02 PM	0.9		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
			12.1	0.56%		

INSPECT DATE	FACILITY	EVENT DESCRIPTION	DURATION (hours)	% OPERATING TIME	ROOT CAUSE / CA RESPONSE	ACTION DESCRIPTION
Jan 1, 2017 12:30:02 AM	BATTERY B	Missing Data from 1/1/2017 12:30:02 AM to 1/1/2017 12:36:02 AM	0.1		Communication Error	One extra 10 second reading, didnt calculate raw 6 min average.
Jan 1, 2017 8:30:02 AM	BATTERY B	Missing Data from 1/1/2017 8:30:02 AM to 1/1/2017 8:36:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
Jan 2, 2017 12:30:02 AM	BATTERY B	Missing Data from 1/2/2017 12:30:02 AM to 1/2/2017 12:36:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Jan 2, 2017 8:30:02 AM	BATTERY B	Missing Data from 1/2/2017 8:30:02 AM to 1/2/2017 8:36:02 AM	0.1		Communication Error	Missing one ten second reading.
Jan 4, 2017 12:30:02 AM	BATTERY B	Missing Data from 1/4/2017 12:30:02 AM to 1/4/2017 12:36:02 AM	0.1		Communication Error	Missing one ten second reading.
Jan 5, 2017 8:30:02 AM	BATTERY B	Missing Data from 1/5/2017 8:30:02 AM to 1/5/2017 8:36:02 AM	0.1		Communication Error	Missing one ten second reading.
Jan 6, 2017 4:30:02 PM	BATTERY B	Missing Data from 1/6/2017 4:30:02 PM to 1/6/2017 4:36:02 PM	0.1		Communication Error	One extra 10 second reading, didnt calculate raw 6 min average.
Jan 7, 2017 8:30:02 AM	BATTERY B	Missing Data from 1/7/2017 8:30:02 AM to 1/7/2017 8:36:02 AM	0.1		All Data Good	All data present didnt calculate raw 6 min average.
Jan 7, 2017 4:30:02 PM	BATTERY B	Missing Data from 1/7/2017 4:30:02 PM to 1/7/2017 4:36:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Jan 9, 2017 4:30:02 PM	BATTERY B	Missing Data from 1/9/2017 4:30:02 PM to 1/9/2017 4:36:02 PM	0.1		Communication Error	Missing one ten second reading.
Jan 10, 2017 12:30:02 AM	BATTERY B	Missing Data from 1/10/2017 12:30:02 AM to 1/10/2017 12:36:02 AM	0.1		Communication Error	One extra 10 second reading, didnt calculate raw 6 min average.
Jan 12, 2017 12:30:02 AM	BATTERY B	Missing Data from 1/12/2017 12:30:02 AM to 1/12/2017 12:36:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.

Jan 12, 2017 8:30:02 AM	BATTERY B	Missing Data from 1/12/2017 8:30:02 AM to 1/12/2017 8:36:02 AM	0.1		Communication Error	Missing one ten second reading.
Jan 15, 2017 12:30:02 AM	BATTERY B	Missing Data from 1/15/2017 12:30:02 AM to 1/15/2017 12:36:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
Jan 16, 2017 12:30:02 AM	BATTERY B	Missing Data from 1/16/2017 12:30:02 AM to 1/16/2017 12:36:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
Jan 17, 2017 8:30:02 AM	BATTERY B	Missing Data from 1/17/2017 8:30:02 AM to 1/17/2017 8:36:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Jan 17, 2017 1:06:02 PM	BATTERY B	Missing Data from 1/17/2017 1:06:02 PM to 1/17/2017 1:24:02 PM	0.3		Preventative Maint	CLEANED RETRO AND HEAD LENSES
Jan 18, 2017 12:30:02 AM	BATTERY B	Missing Data from 1/18/2017 12:30:02 AM to 1/18/2017 12:36:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Jan 19, 2017 8:30:02 AM	BATTERY B	Missing Data from 1/19/2017 8:30:02 AM to 1/19/2017 8:36:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Jan 23, 2017 8:30:02 AM	BATTERY B	Missing Data from 1/23/2017 8:30:02 AM to 1/23/2017 8:36:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Jan 24, 2017 12:30:02 AM	BATTERY B	Missing Data from 1/24/2017 12:30:02 AM to 1/24/2017 12:36:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Jan 24, 2017 9:18:02 AM	BATTERY B	Missing Data from 1/24/2017 9:18:02 AM to 1/24/2017 10:48:02 AM	1.5		Communication Error	MISSING READINGS FROM 9:18 TO 10:48 REASON UNKNOWN
Jan 26, 2017 12:30:02 AM	BATTERY B	Missing Data from 1/26/2017 12:30:02 AM to 1/26/2017 12:36:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Jan 28, 2017 1:48:02 AM	BATTERY B	Missing Data from 1/28/2017 1:48:02 AM to 1/28/2017 1:54:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Jan 28, 2017 4:30:02 PM	BATTERY B	Missing Data from 1/28/2017 4:30:02 PM to 1/28/2017 4:36:02 PM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
Feb 1, 2017 8:30:02 AM	BATTERY B	Missing Data from 2/1/2017 8:30:02 AM to 2/1/2017 8:36:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 4, 2017 8:30:02 AM	BATTERY B	Missing Data from 2/4/2017 8:30:02 AM to 2/4/2017 8:36:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Feb 6, 2017 12:30:02 AM	BATTERY B	Missing Data from 2/6/2017 12:30:02 AM to 2/6/2017 12:36:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 6, 2017 4:30:02 PM	BATTERY B	Missing Data from 2/6/2017 4:30:02 PM to 2/6/2017 4:36:02 PM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 7, 2017 12:30:02 AM	BATTERY B	Missing Data from 2/7/2017 12:30:02 AM to 2/7/2017 12:36:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 8, 2017 5:42:02 PM	BATTERY B	Missing Data from 2/8/2017 5:42:02 PM to 2/8/2017 6:30:02 PM	0.8		Communication Error	MISSING 22 TEN SECOND READINGS
Feb 9, 2017 8:30:02 AM	BATTERY B	Missing Data from 2/9/2017 8:30:02 AM to 2/9/2017 8:36:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
Feb 12, 2017 12:30:02 AM	BATTERY B	Missing Data from 2/12/2017 12:30:02 AM to 2/12/2017 12:36:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Feb 12, 2017 8:30:02 AM	BATTERY B	Missing Data from 2/12/2017 8:30:02 AM to 2/12/2017 8:36:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 14, 2017 12:30:02 AM	BATTERY B	Missing Data from 2/14/2017 12:30:02 AM to 2/14/2017 12:36:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 17, 2017 12:30:02 AM	BATTERY B	Missing Data from 2/17/2017 12:30:02 AM to 2/17/2017 12:36:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min averages.
Feb 19, 2017 12:48:02 AM	BATTERY B	Missing Data from 2/19/2017 12:48:02 AM to 2/19/2017 12:54:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING

Feb 19, 2017 4:30:02 PM	BATTERY B	Missing Data from 2/19/2017 4:30:02 PM to 2/19/2017 4:36:02 PM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 22, 2017 4:30:02 PM	BATTERY B	Missing Data from 2/22/2017 4:30:02 PM to 2/22/2017 4:36:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Feb 23, 2017 8:30:02 AM	BATTERY B	Missing Data from 2/23/2017 8:30:02 AM to 2/23/2017 8:36:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 24, 2017 10:12:02 AM	BATTERY B	Missing Data from 2/24/2017 10:12:02 AM to 2/24/2017 10:48:02 AM	0.6		Quarterly Audit	1ST QUARTER FILTER AUDIT WAS PERFORMED
Feb 25, 2017 12:30:02 AM	BATTERY B	Missing Data from 2/25/2017 12:30:02 AM to 2/25/2017 12:36:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Feb 27, 2017 4:30:02 PM	BATTERY B	Missing Data from 2/27/2017 4:30:02 PM to 2/27/2017 4:36:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Mar 1, 2017 8:30:02 AM	BATTERY B	Missing Data from 3/1/2017 8:30:02 AM to 3/1/2017 8:36:02 AM	0.1		Communication Error	Missing one ten second reading.
Mar 2, 2017 4:30:02 PM	BATTERY B	Missing Data from 3/2/2017 4:30:02 PM to 3/2/2017 4:36:02 PM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Mar 2, 2017 5:36:02 PM	BATTERY B	Missing Data from 3/2/2017 5:36:02 PM to 3/2/2017 6:24:02 PM	0.8		Communication Error	MISSING MULTIPLE TEN SECOND READINGS DUE TO
Mar 2, 2017 11:54:02 PM	BATTERY B	Missing Data from 3/2/2017 11:54:02 PM to 3/3/2017 12:00:02 AM	0.1		Communication Error	MISSING 35 TEN SECOND READINGS DUE TO I HISTORIAN
Mar 6, 2017 12:30:02 AM	BATTERY B	Missing Data from 3/6/2017 12:30:02 AM to 3/6/2017 12:36:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Mar 6, 2017 12:30:02 AM	BATTERY B	Missing Data from 3/6/2017 12:30:02 AM to 3/6/2017 12:36:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Mar 7, 2017 10:48:02 AM	BATTERY B	Missing Data from 3/7/2017 10:48:02 AM to 3/7/2017 11:00:02 AM	0.2		Communication Error	All data present, did not calculate raw average data.
Mar 7, 2017 11:06:02 AM	BATTERY B	Missing Data from 3/7/2017 11:06:02 AM to 3/7/2017 11:18:02 AM	0.2		Communication Error	All data present, didnt calculate raw 6 min average.
Mar 12, 2017 1:54:02 AM	BATTERY B	Missing Data from 3/12/2017 1:54:02 AM to 3/12/2017 3:00:02 AM	1.1		Communication Error	TIME REVERTED BACK TO 01:00 DUE TO DAYLIGHT SAVINGS TIME
Mar 13, 2017 12:30:02 AM	BATTERY B	Missing Data from 3/13/2017 12:30:02 AM to 3/13/2017 12:36:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Mar 13, 2017 12:00:03 PM	BATTERY B	Missing Data from 3/13/2017 12:00:03 PM to 3/13/2017 12:12:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACKPOLL FROM
Mar 15, 2017 12:30:02 AM	BATTERY B	Missing Data from 3/15/2017 12:30:02 AM to 3/15/2017 12:36:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
Mar 18, 2017 12:30:02 AM	BATTERY B	Missing Data from 3/18/2017 12:30:02 AM to 3/18/2017 12:36:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Mar 23, 2017 4:30:02 PM	BATTERY B	Missing Data from 3/23/2017 4:30:02 PM to 3/23/2017 4:36:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING
Mar 26, 2017 12:30:02 AM	BATTERY B	Missing Data from 3/26/2017 12:30:02 AM to 3/26/2017 12:36:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
Mar 26, 2017 1:36:02 PM	BATTERY B	Missing Data from 3/26/2017 1:36:02 PM to 3/26/2017 2:18:02 PM	0.7		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 26, 2017 2:00:03 PM	BATTERY B	Missing Data from 3/26/2017 2:00:03 PM to 3/26/2017 2:18:02 PM	0.3		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 26, 2017 2:24:02 PM	BATTERY B	Missing Data from 3/26/2017 2:24:02 PM to 3/26/2017 2:42:02 PM	0.3		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 26, 2017 2:48:02 PM	BATTERY B	Missing Data from 3/26/2017 2:48:02 PM to 3/26/2017 3:00:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM

Mar 26, 2017 3:06:02 PM	BATTERY B	Missing Data from 3/26/2017 3:06:02 PM to 3/26/2017 3:18:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 26, 2017 3:24:02 PM	BATTERY B	Missing Data from 3/26/2017 3:24:02 PM to 3/26/2017 3:36:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 26, 2017 3:42:02 PM	BATTERY B	Missing Data from 3/26/2017 3:42:02 PM to 3/26/2017 3:48:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 26, 2017 4:18:02 PM	BATTERY B	Missing Data from 3/26/2017 4:18:02 PM to 3/26/2017 4:36:02 PM	0.3		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 26, 2017 4:42:02 PM	BATTERY B	Missing Data from 3/26/2017 4:42:02 PM to 3/26/2017 4:48:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 26, 2017 5:12:02 PM	BATTERY B	Missing Data from 3/26/2017 5:12:02 PM to 3/26/2017 5:30:02 PM	0.3		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 26, 2017 5:36:02 PM	BATTERY B	Missing Data from 3/26/2017 5:36:02 PM to 3/26/2017 5:54:02 PM	0.3		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 26, 2017 6:00:03 PM	BATTERY B	Missing Data from 3/26/2017 6:00:03 PM to 3/26/2017 6:06:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 26, 2017 6:12:02 PM	BATTERY B	Missing Data from 3/26/2017 6:12:02 PM to 3/26/2017 6:24:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 26, 2017 6:30:02 PM	BATTERY B	Missing Data from 3/26/2017 6:30:02 PM to 3/26/2017 6:42:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 26, 2017 6:48:02 PM	BATTERY B	Missing Data from 3/26/2017 6:48:02 PM to 3/26/2017 7:00:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 26, 2017 7:06:02 PM	BATTERY B	Missing Data from 3/26/2017 7:06:02 PM to 3/26/2017 7:24:02 PM	0.3		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 26, 2017 7:30:02 PM	BATTERY B	Missing Data from 3/26/2017 7:30:02 PM to 3/26/2017 7:36:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 26, 2017 7:42:02 PM	BATTERY B	Missing Data from 3/26/2017 7:42:02 PM to 3/26/2017 7:54:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 26, 2017 8:00:03 PM	BATTERY B	Missing Data from 3/26/2017 8:00:03 PM to 3/26/2017 8:12:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 26, 2017 8:18:02 PM	BATTERY B	Missing Data from 3/26/2017 8:18:02 PM to 3/26/2017 8:36:02 PM	0.3		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 26, 2017 8:42:02 PM	BATTERY B	Missing Data from 3/26/2017 8:42:02 PM to 3/26/2017 8:48:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 26, 2017 9:12:02 PM	BATTERY B	Missing Data from 3/26/2017 9:12:02 PM to 3/26/2017 9:24:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 26, 2017 9:30:02 PM	BATTERY B	Missing Data from 3/26/2017 9:30:02 PM to 3/26/2017 9:48:02 PM	0.3		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 26, 2017 10:12:02 PM	BATTERY B	Missing Data from 3/26/2017 10:12:02 PM to 3/26/2017 10:36:02 PM	0.4		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 26, 2017 10:42:02 PM	BATTERY B	Missing Data from 3/26/2017 10:42:02 PM to 3/26/2017 11:00:02 PM	0.3		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 26, 2017 11:06:02 PM	BATTERY B	Missing Data from 3/26/2017 11:06:02 PM to 3/26/2017 11:24:02 PM	0.3		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 26, 2017 11:30:02 PM	BATTERY B	Missing Data from 3/26/2017 11:30:02 PM to 3/26/2017 11:48:02 PM	0.3		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 12:12:02 AM	BATTERY B	Missing Data from 3/27/2017 12:12:02 AM to 3/27/2017 12:36:02 AM	0.4		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 12:42:02 AM	BATTERY B	Missing Data from 3/27/2017 12:42:02 AM to 3/27/2017 1:00:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM

Mar 27, 2017 1:06:02 AM	BATTERY B	Missing Data from 3/27/2017 1:06:02 AM to 3/27/2017 1:18:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 1:24:02 AM	BATTERY B	Missing Data from 3/27/2017 1:24:02 AM to 3/27/2017 1:30:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 1:36:02 AM	BATTERY B	Missing Data from 3/27/2017 1:36:02 AM to 3/27/2017 2:18:02 AM	0.7		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 2:00:03 AM	BATTERY B	Missing Data from 3/27/2017 2:00:03 AM to 3/27/2017 2:18:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 2:24:02 AM	BATTERY B	Missing Data from 3/27/2017 2:24:02 AM to 3/27/2017 2:36:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 2:42:02 AM	BATTERY B	Missing Data from 3/27/2017 2:42:02 AM to 3/27/2017 3:18:02 AM	0.6		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:00:03 AM	BATTERY B	Missing Data from 3/27/2017 3:00:03 AM to 3/27/2017 3:18:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING DUE TO BACK POLL FROM
Mar 27, 2017 3:24:02 AM	BATTERY B	Missing Data from 3/27/2017 3:24:02 AM to 3/27/2017 3:48:02 AM	0.4		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 4:18:02 AM	BATTERY B	Missing Data from 3/27/2017 4:18:02 AM to 3/27/2017 4:30:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 4:36:02 AM	BATTERY B	Missing Data from 3/27/2017 4:36:02 AM to 3/27/2017 4:48:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:18:02 AM	BATTERY B	Missing Data from 3/27/2017 5:18:02 AM to 3/27/2017 5:36:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:42:02 AM	BATTERY B	Missing Data from 3/27/2017 5:42:02 AM to 3/27/2017 5:48:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 6:12:02 AM	BATTERY B	Missing Data from 3/27/2017 6:12:02 AM to 3/27/2017 6:24:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 6:30:02 AM	BATTERY B	Missing Data from 3/27/2017 6:30:02 AM to 3/27/2017 6:48:02 AM	0.3		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 7:12:02 AM	BATTERY B	Missing Data from 3/27/2017 7:12:02 AM to 3/27/2017 7:18:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 7:24:02 AM	BATTERY B	Missing Data from 3/27/2017 7:24:02 AM to 3/27/2017 7:36:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 7:42:02 AM	BATTERY B	Missing Data from 3/27/2017 7:42:02 AM to 3/27/2017 8:12:02 AM	0.5		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 8:00:03 AM	BATTERY B	Missing Data from 3/27/2017 8:00:03 AM to 3/27/2017 8:12:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 27, 2017 5:24:02 PM	BATTERY B	Missing Data from 3/27/2017 5:24:02 PM to 3/27/2017 6:24:02 PM	1.0		Communication Error	DID NOT CALCULATE RAW READING FROM BACK POLL FROM
Mar 28, 2017 4:30:02 PM	BATTERY B	Missing Data from 3/28/2017 4:30:02 PM to 3/28/2017 4:36:02 PM	0.1		Communication Error	Missing one ten second reading.
Mar 29, 2017 4:30:02 PM	BATTERY B	Missing Data from 3/29/2017 4:30:02 PM to 3/29/2017 4:36:02 PM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
Mar 30, 2017 8:30:02 AM	BATTERY B	Missing Data from 3/30/2017 8:30:02 AM to 3/30/2017 8:36:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
			24.4	1.13%		

Attachment 7

U.S. Steel Clairton Works
Title V Operating Permit #0052
Quarterly Report
(Jan. 2018-Mar. 2018)

United States Steel Corporation
Clairton Plant
400 State Street
Clairton, PA 15025

Mark Jeffrey
Acting Plant Manager

April 30, 2018

Mr. Dean DeLuca
Allegheny County Health Department
Division of Air Quality
301 Thirty-Ninth Street
Pittsburgh, PA 15201

SUBJECT: U.S. Steel Clairton Works
Title V Operating Permit # 0052
Quarterly Report
January 1 through March 31, 2018

Dear Mr. DeLuca:

This submittal satisfies the semi-annual reporting requirement of Title V Operating Permit No. 0052, Paragraph III.15 for the period of January 1 through March 31, 2018.

On behalf of U.S. Steel Clairton Works, I certify that I have personally examined and am familiar with the information contained in this report. The information contained in this report is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete.

If you have any questions regarding this submittal, please direct them to Jonelle S. Scheetz at 412-233-1015 or jsscheetz@uss.com.

Sincerely,

Mark Jeffrey
Acting Plant Manager

2018 Quarter 1

Push & Travel	January	February	March	Total	Total Penalty Amount
1	8	5	5	18	$9,000
2	6	5	6	17	$8,500
3	4	4	3	11	$5,500
13	3	5	3	11	$5,500
14	0	1	2	3	$1,500
15	3	1	2	6	$3,000
19	1	0	1	2	$1,000
20	1	2	1	4	$2,000
B	1	0	0	1	$500
C	0	4	0	4	$2,000
Total	27	27	23	77	$38,500

Stacks	January	February	March	Total	Total Minus 33	Total Penalty Amount
1	12	4	3	19	0	$0
2	8	3	6	17	0	$0
3	4	3	3	10	0	$0
13	4	2	6	12	0	$0
14	3	1	2	6	0	$0
15	19	9	14	42	9	$4,500
19	5	0	6	11	0	$0
20	6	3	3	12	0	$0
B	10	0	1	11	0	$0
C	0	0	3	3	0	$0
Total	71	25	47		9	$4,500

Soaking	January	February	March	Total	Total Penalty Amount
1	0	0	1	1	$800
2	0	1	0	1	$800
3	0	0	1	1	$800
					$2,400

Stacks	$4,500.00
Pushing	$38,500.00
Soaking Batteries 1-3	$2,400.00
Total Fees	$45,400.00

United States Steel Corporation
Pittsburgh, PA 15219

BNY Mellon, N.A.
Pittsburgh, PA

0620236675

8-26
430

DO NOT CASH UNLESS WARNING BAND AND CHECK BACKGROUND ARE BLUE. WATERMARK ON BACK, HOLD AT ANGLE TO VIEW.

VOID VOID

****

****

FORTY-FIVE THOUSAND FOUR HUNDRED AND NO/100 DOLLARS****

04/26/2018

VOID AFTER 90 DAYS

PAY ONLY 4 FOUR 5 FIVE 4 FOUR 0 ZERO 0 ZERO 00 CTS CTS

HEALTH DEPT.

TO THE ORDER OF

ALLEGHENY COUNTY OF 0003
ALLEGHENY CNTY CLEAN AIR FUND
HEALTH DEPT-AIR QUALITY PG MGR
301-39TH ST BLDG 7
PITTSBURGH, PA 15201-1891

VOID VOID VOID VOID VOID

AUTHORIZED SIGNATURE REQUIRED

⑈0620236675⑈ [redacted]

United States Steel Corporation 04/26/2018 **0620236675**

For ERS Invoice Types: Contact Plant For Inquiries Please Visit: SteelTrack.uss.com OMLP

DIV. 74 ALLEGHENY COUNTY OF VENDOR CODE: 105586 - PAGE 1 OF 1

PO No.	Rel No.	Invoice Type	Invoice Date	Invoice No.	Discount	Net Remittance	Fac	Remit Comments
		STANDARD	04/24/2018	24-APR-2018		45,400.00	134	SPECIAL HANDLING

RECEIVED

MAY 01 2018

ALLEGHENY COUNTY HEALTH DEPT.
AIR QUALITY PROGRAM

SEQ-707-2 REV 7/14

CHECK TOTAL: **45,400.00**

Consent Judgment signed March 24, 2016 - Batteries 1, 2, 3, 13, 14, 15, 19, 20, B, and C

Please accept this submittal as the Quarterly Report for United States Steel, Clairton Coke Works for the period of January 1 through March 31, 2018 according to the reporting requirements of the Consent Judgment signed March 24, 2016. A check in the amount of $45,400 for 1st Quarter 2018 stipulated penalties is attached.

The list of clock hours during for the period of January 1 through March 31, 2018 for which compliance was not achieved for Article XXI opacity limits on Batteries 1, 2, 3, 13, 14, 15, 19, 20, and B combustion stacks as measured by the continuous opacity monitor (COM) per Paragraph V.A along with the date, time, root cause and last oven charged for each exceedance are listed in the attached Appendices.

The deviations for the period of January 1 through March 31, 2018 for which compliance was not achieved for Article XXI §2105.21(e)(4) and (e)(5) limits on Batteries 1, 2, 3, 13, 14, 15, 19, 20, and B per Paragraph V.A. are listed in the attached Appendices.

The deviations for the period of January 1 through March 31, 2018 for which compliance was not achieved for Article XXI §2105.21(i) limits on Batteries 1, 2, and 3 per Paragraph V.A. are listed in the attached Appendices. Soaking observations could not be performed during daylight hours on the following dates due to a battery wide outage on 3/19/18.

There were 5 instances of deviations with the minimum coking time restriction on Battery 2.

Permit Section V.A – Batteries 1, 2, and 3

Permit Requirement V.A.4 – Record Keeping Requirements

Out-of-control periods per permit requirement V.4.c and §63.7341 (c)(6) and (8)(iii) and/ or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in the attached table.

Permit Requirement V.A.5.m and n – §63.7341(c) and (d) - Quarterly Stack Compliance Report

Out-of-control periods per §63.7341 (c)(6) and (8)(iii) and/ or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in the attached table.

During the period stated above there were no start-up, shutdown, malfunctions or deviations that required the implementation of §63.10(d)(5)(i) or (ii) or which caused or may have caused an emission limit exceedance of §63.7296(a).

Permit Section V.C – Batteries 13, 14, and 15

Permit Requirement V.C.4 – Record Keeping Requirements Batteries 13, 14, and 15

Out-of-control periods per the above permit requirement and §63.7341 (c)(6) and (8)(iii) and/ or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in the attached table.

Permit Requirement V.C.5.m, n, and o – §63.7341(a, b and c)- Quarterly Stack Compliance Report

Out-of-control periods per §63.7341 (c)(6) and (8)(iii) and/ or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in the attached table.

During the period stated above there were no start-up, shutdown, malfunctions or deviations that required the implementation of §63.10(d)(5)(i) or (ii) or which caused or may have caused an emission limit exceedance of §63.7296(a).

Permit Section V.E – 19 and 20 Batteries

Permit Requirement V.E.4 – Record Keeping Requirements

Out-of-control periods per permit requirement V.4.c and §63.7341 (c)(6) and (8)(iii) and/ or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in the attached table.

Permit Requirement V.E.5.p and q – §63.7341(c) and (d) - Quarterly Stack Compliance Report

Out-of-control periods per §63.7341 (c)(6) and (8)(iii) and/ or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in the attached table.

During the period stated above there were no start-up, shutdown, malfunctions or deviations that required the implementation of §63.10(d)(5)(i) or (ii) or which caused or may have caused an emission limit exceedance of §63.7296(a).

Permit Section V.G – B Battery

Permit Requirement V.G.4 – Record Keeping Requirements

Out-of-control periods per permit requirement V.4.c and §63.7341 (c)(6) and (8)(iii) and/ or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in the attached table.

Permit Requirement V.G.5.n and o– §63.7341(c) and (d) - Quarterly Stack Compliance Report

Out-of-control periods per §63.7341 (c)(6) and (8)(iii) and/ or inoperable periods per §63.7341 (8)(ii) for stack COM's are detailed in the attached table.

During the period stated above there were no start-up, shutdown, malfunctions or deviations that required the implementation of §63.10(d)(5)(i) or (ii) or which caused or may have caused an emission limit exceedance of §63.7296(a).

U.S. Steel - Mon Valley Works

Clairton VEO Soaking Violations

Jan 1, 2018 to Mar 31, 2018

Inspection	Batt	Series	Oven	PS Opa	PS Detail	CS Opa	CS Detail
01/04/2018	C	C	43	25	NF		
	C	C	45	40	NF		
	C	C	47	45	NF		
01/16/2018	14	A	29	100	NF		
01/18/2018	13	A	16	60	NF		
01/19/2018	14	B	01	50	NF		
	C	C	09	80	NF		
01/25/2018	20	B	04	50	NF		
	20	B	02	60	NF		
02/01/2018	13	A	14	25	NF		
02/06/2018	20	C	08	60	NF		
	C	C	15	45	NF		
	C	C	17	40	NF		
02/12/2018	2	A	13			60	NF
02/13/2018	15	A	01	90			
02/14/2018	13	B	08	30	NF		
02/15/2018	C	C	71	60	NF		
	C	C	73	80	NF		
03/02/2018	1	A	16			60	NF
03/06/2018	C	C	35	40	NF		
03/07/2018	3	A	23	90	NF		
03/12/2018	13	A	21			50	NF
03/14/2018	15	B	11	100	NF	100	NF
03/15/2018	14	A	23	100	NF	100	NF

TOTAL VIOLATIONS - 26

Apr 30, 2018

US Steel
Clairton Works
Veo.6.4.7.4

PUSHING & TRAVEL SUMMARY
BREAKDOWNS INCLUDED
FROM: 1/1/2018 TO: 1/31/2018

REASON: All REGULATION: All AGENCY: All

BATTERY	TOTAL NO. OBSERV.	PREPUSH MAX OPAC.	PUSH MAX OPAC.	TRAV MAX OPAC.	PUSH PERFORMANCE	NUM PUSH OUT OF COMP.	TRAVEL PERFORMANCE	NUM TRAV OUT OF COMP.
01	263	0%	100%	60%	97.34%	07	98.48%	04
02	271	0%	100%	50%	97.79%	06	98.89%	03
03	265	0%	100%	90%	98.87%	03	98.87%	03
13	133	0%	15%	85%	100.00%	00	97.74%	03
14	140	0%	15%	10%	100.00%	00	100.00%	00
15	142	0%	65%	35%	98.59%	02	97.89%	03
19	140	0%	55%	10%	99.29%	01	100.00%	00
20	148	0%	30%	10%	99.32%	01	100.00%	00
B	136	0%	25%	0%	99.26%	01	100.00%	00
C	136	0%	5%	5%	100.00%	00	100.00%	00
TOT/MAX	1774	0%	100%	90%		21		16
AVERAGE					99.05%		99.19%	

US Steel
Clairton Works
Veo.6.4.7.4

PUSHING & TRAVEL SUMMARY
BREAKDOWNS INCLUDED
FROM: 2/1/2018 TO: 2/28/2018

REASON: All REGULATION: All AGENCY: All

BATTERY	TOTAL NO. OBSERV.	PREPUSH MAX OPAC.	PUSH MAX OPAC.	TRAV MAX OPAC.	PUSH PERFORMANCE	NUM PUSH OUT OF COMP.	TRAVEL PERFORMANCE	NUM TRAV OUT OF COMP.
01	239	0%	50%	35%	98.33%	04	98.33%	04
02	233	0%	50%	40%	97.85%	05	99.14%	02
03	233	0%	100%	75%	98.71%	03	98.28%	04
13	125	0%	75%	60%	96.80%	04	96.00%	05
14	122	0%	100%	80%	99.18%	01	99.18%	01
15	116	0%	25%	10%	99.14%	01	100.00%	00
19	124	0%	15%	10%	100.00%	00	100.00%	00
20	125	0%	30%	10%	98.40%	02	100.00%	00
B	115	0%	10%	0%	100.00%	00	100.00%	00
C	116	0%	65%	20%	97.41%	03	98.28%	02
TOT/MAX	1548	0%	100%	80%		23		18
AVERAGE					98.58%		98.92%	

US Steel
Clairton Works
Veo.6.4.7.4

PUSHING & TRAVEL SUMMARY
BREAKDOWNS INCLUDED
FROM: 3/1/2018 TO: 3/31/2018

REASON: All REGULATION: All AGENCY: All

BATTERY	TOTAL NO. OBSERV.	PREPUSH MAX OPAC.	PUSH MAX OPAC.	TRAV MAX OPAC.	PUSH PERFORMANCE	NUM PUSH OUT OF COMP.	TRAVEL PERFORMANCE	NUM TRAV OUT OF COMP.
01	255	0%	100%	100%	98.43%	04	98.04%	05
02	249	0%	70%	50%	97.99%	05	98.39%	04
03	260	0%	60%	100%	98.85%	03	99.23%	02
13	140	0%	15%	100%	100.00%	00	97.86%	03
14	136	0%	100%	80%	99.26%	01	97.79%	03
15	132	0%	30%	35%	99.24%	01	98.48%	02
19	141	0%	25%	10%	99.29%	01	100.00%	00
20	134	0%	25%	10%	99.25%	01	100.00%	00
B	132	0%	10%	0%	100.00%	00	100.00%	00
C	136	0%	15%	5%	100.00%	00	100.00%	00
TOT/MAX	1715	0%	100%	100%		16		19
AVERAGE					99.23%		98.98%	

US Steel
Clairton Works
Veo.1.1

STACK OBSERVATIONS
BREAKDOWNS INCLUDED
FROM: 1/1/2018 TO: 1/31/2018

REASON: All REGULATION: All AGENCY: All

BATTERY	NUMBER OBSERV	LOW OPAC MINUTES	LOW OPAC HOURS OUT	LOW OPAC HOURS IN	LOW OPAC PERFORMANCE	HIGH OPAC MINUTES	HIGH OPAC HOURS OUT	HIGH OPAC HOURS IN	HIGH OPAC PERFORMANCE	MACT DAYS IN	MACT DAYS OUT	MACT AVERAGE	MACT PERF AVERAGE
01	739	100.00	12	727	98.38%	0.17	1	738	99.86%	31	0	2.59	100.00%
02	742	60.33	6	736	99.19%	1.83	2	740	99.73%	31	0	2.91	100.00%
03	743	50.33	4	739	99.46%	0.00	0	743	100.00%	31	0	2.22	100.00%
13	742	54.67	3	739	99.60%	1.83	2	740	99.73%	31	0	0.59	100.00%
14	743	66.83	3	740	99.60%	0.00	0	743	100.00%	31	0	1.33	100.00%
15	743	194.00	19	724	97.44%	4.00	4	739	99.46%	31	0	2.14	100.00%
19	740	58.50	4	736	99.46%	0.33	2	738	99.73%	31	0	2.09	100.00%
20	740	60.50	6	734	99.19%	0.00	0	740	100.00%	31	0	0.90	100.00%
B	742	84.50	10	732	98.65%	0.00	0	742	100.00%	31	0	2.56	100.00%
C	743	15.83	0	743	100.00%	0.00	0	743	100.00%	31	0	4.29	100.00%
Total	7,417	745.50	67	7,350		8.17	11	7,406					
Average					99.10%				99.85%			2.16	

US Steel
Clairton Works
Veo.1.1

STACK OBSERVATIONS
BREAKDOWNS INCLUDED
FROM: 2/1/2018 TO: 2/28/2018

REASON: All REGULATION: All AGENCY: All

	NUMBER	LOW OPAC	LOW OPAC	LOW OPAC	LOW OPAC	HIGH OPAC	HIGH OPAC	HIGH OPAC	HIGH OPAC	MACT	MACT	MACT	MACT PERF
BATTERY	OBSERV	MINUTES	HOURS OUT	HOURS IN	PERFORMANCE	MINUTES	HOURS OUT	HOURS IN	PERFORMANCE	DAYS IN	DAYS OUT	AVERAGE	AVERAGE
01	670	36.67	3	667	99.55%	0.50	1	669	99.85%	28	0	2.57	100.00%
02	670	25.33	3	667	99.55%	0.00	0	670	100.00%	28	0	2.57	100.00%
03	672	31.67	2	670	99.70%	0.33	1	671	99.85%	28	0	2.11	100.00%
13	670	28.67	2	668	99.70%	0.00	0	670	100.00%	28	0	1.10	100.00%
14	671	22.17	1	670	99.85%	0.00	0	671	100.00%	28	0	2.21	100.00%
15	670	110.50	9	661	98.66%	5.33	2	668	99.70%	28	0	1.88	100.00%
19	663	14.50	0	663	100.00%	0.00	0	663	100.00%	28	0	2.54	100.00%
20	663	20.50	3	660	99.55%	0.00	0	663	100.00%	28	0	1.01	100.00%
B	669	0.83	0	669	100.00%	0.00	0	669	100.00%	28	0	1.70	100.00%
C	670	4.17	0	670	100.00%	0.00	0	670	100.00%	28	0	4.16	100.00%
Total	6,688	295.00	23	6,665		6.17	4	6,684					
Average					99.66%				99.94%			2.19	

US Steel
Clairton Works
Veo.1.1

STACK OBSERVATIONS
BREAKDOWNS INCLUDED
FROM: 3/1/2018 TO: 3/31/2018

REASON: All REGULATION: All AGENCY: All

BATTERY	NUMBER OBSERV	LOW OPAC MINUTES	LOW OPAC HOURS OUT	LOW OPAC HOURS IN	LOW OPAC PERFORMANCE	HIGH OPAC MINUTES	HIGH OPAC HOURS OUT	HIGH OPAC HOURS IN	HIGH OPAC PERFORMANCE	MACT DAYS IN	MACT DAYS OUT	MACT AVERAGE	MACT PERF AVERAGE
01	740	35.67	3	737	99.59%	0.00	0	740	100.00%	31	0	1.88	100.00%
02	740	48.33	5	735	99.32%	0.33	1	739	99.86%	31	0	2.06	100.00%
03	738	55.33	3	735	99.59%	0.00	0	738	100.00%	31	0	1.13	100.00%
13	738	71.67	6	732	99.19%	0.00	0	738	100.00%	31	0	1.75	100.00%
14	738	29.83	1	737	99.86%	0.17	1	737	99.86%	31	0	1.44	100.00%
15	738	135.00	12	726	98.37%	11.17	3	735	99.59%	31	0	1.66	100.00%
19	728	61.83	6	722	99.18%	1.50	1	727	99.86%	31	0	2.22	100.00%
20	737	32.67	3	734	99.59%	0.33	1	736	99.86%	31	0	1.05	100.00%
B	738	14.33	1	737	99.86%	0.00	0	738	100.00%	31	0	1.59	100.00%
C	738	55.17	3	735	99.59%	0.00	0	738	100.00%	31	0	4.09	100.00%
Total	7,373	539.83	43	7,330		13.50	7	7,366					
Average					99.42%				99.90%			1.89	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1862156	PND	03/29/18 13:45	BATTERY 15	B15	U	Inspection	TRAVEL	SIP		Opacity of 35% > Limit of 10%		HEATING: Increase UFG vol. if battery trends continue into following day.	HEATING:
1862155	PND	03/29/18 13:45	BATTERY 15	B15	U	Inspection	PUSH	SIP		Opacity of 30% => Limit of 20%		HEATING: Increase UFG vol. if battery trends continue into following day.	HEATING:
1862154	PND	03/29/18 13:44	BATTERY 15	B05	U	Inspection	TRAVEL	SIP		Opacity of 25% > Limit of 10%		HEATING: Increase UFG vol. if battery trends continue into following day.	HEATING:
1861874	PND	03/28/18 09:49	BATTERY 14	A01	U	Verification	TRAVEL	SIP		Opacity of 75% > Limit of 10%		HEATING: Overall Low battery temp. OPER MAINT: Suction 9.4 Belt Duct Temp 208	OPER MAINT:
1861873	NOR	03/28/18 09:49	BATTERY 14	A01	U	Verification	PUSH	SIP		Opacity of 100% => Limit of 20%		HEATING: Overall Low battery temp. OPER MAINT: Suction 9.4 Belt Duct Temp 208	HEATING: OPER MAINT:
1861872	NOR	03/28/18 09:49	BATTERY 14	A01	U	Verification	PUSH	NESHAP MACT		66.67 Avg Opac => 30%		HEATING: Overall Low battery temp. OPER MAINT: Suction 9.4 Belt Duct Temp 208	HEATING: OPER MAINT:
1861648	OPEN	03/27/18 10:47	BATTERY 2	B16	U	Routine	TRAVEL	SIP		Opacity of 20% > Limit of 10%		HEATING: B-16 wallthree flues with debris, two high burners. B-17 wall two flues with debris, one high burner flue	
1861647	OPEN	03/27/18 10:47	BATTERY 2	B16	U	Routine	PUSH	SIP		Opacity of 45% => Limit of 20%		HEATING: B-16 wallthree flues with debris, two high burners. B-17 wall two flues with debris, one high burner flue	
1861646	PND	03/27/18 10:10	BATTERY 1	B31	U	Routine	TRAVEL	SIP		Opacity of 30% > Limit of 10%		HEATING: Gas gun leakage, CS both walls	HEATING: patched
1861645	PND	03/27/18 10:10	BATTERY 1	B31	U	Routine	PUSH	SIP		Opacity of 50% => Limit of 20%		HEATING: Gas gun leakage, CS both walls	HEATING: patched

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1861304	PND	03/26/18 12:41	BATTERY 3	A02	U	Inspection	TRAVEL	SIP		Opacity of 20% > Limit of 10%		HEATING: A-2 wall 2 flues with debris, A-3 wall three flues with debris	HEATING: flues rodded, blown out
1861303	PND	03/26/18 12:41	BATTERY 3	A02	U	Inspection	PUSH	SIP		Opacity of 30% => Limit of 20%		HEATING: A-2 wall 2 flues with debris, A-3 wall three flues with debris	HEATING: flues rodded, blown out
1858669	NOR	03/19/18 07:29	BATTERY 14	B14	U	Routine	TRAVEL	SIP		Opacity of 80% > Limit of 10%		HEATING: OPER MAINT: Belt Duct Temp 214 Suction 9.9	OPER MAINT: HEATING:
1858668	NOR	03/19/18 07:29	BATTERY 14	B14	U	Routine	PUSH	NESHAP MACT		43.64 Avg Opac => 30%		HEATING: OPER MAINT: Belt Duct Temp 214 Suction 9.9	OPER MAINT: HEATING:
1858413	OPEN	03/18/18 10:13	BATTERY 1	B30	U	Routine	TRAVEL	SIP		Opacity of 35% > Limit of 10%		HEATING: Leakage at gas guns/nozzles	
1858340	PND	03/18/18 09:34	BATTERY 13	A11	U	Routine	TRAVEL	SIP		Opacity of 40% > Limit of		HEATING:	HEATING:
1858339	PND	03/18/18 08:15	BATTERY 14	A29	U	Routine	TRAVEL	SIP		Opacity of 40% > Limit of 10%		HEATING: Heating personnnel rodded the affected flues contributing to the pushing perfromance of this oven	HEATING:
1857050	NOR	03/15/18 08:21	BATTERY 13	A14	U	Routine	TRAVEL	SIP		Opacity of 100% > Limit of 10%		HEATING: flushing running onto coke mass pusher side due to restriciton at nozzle OPER MAINT: Suction 9.4 Belt Duct Temp 213 repaired small hole in ductwork	HEATING: OPER MAINT:
1857049	NOR	03/15/18 08:21	BATTERY 13	A14	U	Routine	PUSH	NESHAP MACT		69.67 Avg Opac => 30%		HEATING: flushing running onto coke mass pusher side due to restriciton at nozzle OPER MAINT: Suction 9.4 Belt Duct Temp 213 repaired small hole in ductwork	HEATING: OPER MAINT:
1856697	OPEN	03/14/18 12:54	BATTERY 20	A04	A	Inspection	PUSH	SIP		Opacity of 25% => Limit of 20%		HEATING: A5 wall, # 14 + 15 airport restricted	
1855973	OPEN	03/12/18 13:17	BATTERY 2	B23	A	Inspection	TRAVEL	SIP		Opacity of 15% > Limit of 10%		HEATING: B23 wall 7,8,24 high burners, B24 21 high burn	
1855972	OPEN	03/12/18 13:16	BATTERY 2	B19	A	Inspection	PUSH	SIP		Opacity of 40% => Limit of 20%		HEATING: B19 4,5 high burner, B20 #4 high burn	
1855971	OPEN	03/12/18 13:16	BATTERY 2	B15	A	Inspection	PUSH	SIP		Opacity of 30% => Limit of 20%		HEATING: B16 #5,23,24 high burners	
1856047	OPEN	03/12/18 08:56	BATTERY 1	C01	U	Routine	PUSH	SIP		Opacity of 60% => Limit of 20%		HEATING: C1 wall 3 and 5 high burners, #4 dead	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1854517	OPEN	03/08/18 12:52	BATTERY 3	A23	A	Inspection	PUSH	SIP		Opacity of 35% => Limit of 20%		HEATING: Nozzle restriction	
1854118	OPEN	03/07/18 12:23	BATTERY 19	C18	A	Inspection	PUSH	SIP		Opacity of 25% => Limit of 20%		HEATING: Flue # 2 + 3 riser flooded	
1853537	OPEN	03/05/18 12:48	BATTERY 2	A23	A	Inspection	TRAVEL	SIP		Opacity of 50% > Limit of 10%		HEATING: A-23 wall OK. A-24 wall #1 & #22 flues high burners, #2, #10#25 & #27 flues have debris in.	
1853536	OPEN	03/05/18 12:48	BATTERY 2	A23	A	Inspection	PUSH	SIP		Opacity of 55% => Limit of 20%		HEATING: A-23 wall OK. A-24 wall #1 & #22 flues high burners, #2, #10#25 & #27 flues have debris in.	
1853535	OPEN	03/05/18 12:47	BATTERY 2	A21	A	Inspection	TRAVEL	SIP		Opacity of 40% > Limit of 10%		HEATING: A-21wal#4 flue high burner, #9 flue debris#23 flue low burner. A-22 wall #4, #5 & #25 flues high burners	
1853534	OPEN	03/05/18 12:47	BATTERY 2	A21	A	Inspection	PUSH	SIP		Opacity of 70% => Limit of 20%		HEATING: A-21wal#4 flue high burner, #9 flue debris#23 flue low burner. A-22 wall #4, #5 & #25 flues high burners	
1853533	PND	03/05/18 12:46	BATTERY 13	B06	A	Inspection	TRAVEL	SIP		Opacity of 30% > Limit of 10%		HEATING:	HEATING: Maintenance has been performed as much as possbible at this time to the neccessary flues showing obstruction
1853282	NOR	03/04/18 07:15	BATTERY 3	B26	U	Routine	TRAVEL	SIP		Opacity of 100% > Limit of 10%		OPER MAINT: Suction 8.2 Duct Belt Temp 246 HEATING: B-26 wall #8 & #21 flues high burners. B-27 wall #1 flue high burner, PS low. CS#26,#27, #28 fluesdebris/leakage	OPER MAINT: HEATING: complete

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1853281	NOR	03/04/18 07:15	BATTERY 3	B26	U	Routine	PUSH	SIP		Opacity of 60% => Limit of 20%		OPER MAINT: Suction 8.2 Duct Belt Temp 246 HEATING: B-26 wall #8 & #21 flues high burners. B-27 wall #1 flue high burner, PS low. CS#26,#27, #28 fluesdebris/leakage	OPER MAINT: HEATING: complete
1853280	NOR	03/04/18 07:15	BATTERY 3	B26	U	Routine	PUSH	NESHAP MACT		70.91 Avg Opac => 30%		OPER MAINT: Suction 8.2 Duct Belt Temp 246 HEATING: B-26 wall #8 & #21 flues high burners. B-27 wall #1 flue high burner, PS low. CS#26,#27, #28 fluesdebris/leakage	OPER MAINT: HEATING: complete
1852413	OPEN	03/02/18 12:39	BATTERY 1	A12	A	Inspection	TRAVEL	SIP		Opacity of 40% > Limit of 10%		HEATING: Gas gun leakage (exterior)	
1852412	NOR	03/02/18 12:38	BATTERY 1	A10	A	Inspection	TRAVEL	SIP		Opacity of 100% > Limit of 10%		OPER MAINT: Belt Tracking Train the belt Suction 9.0 Duct Belt Temp 264 HEATING: Gas gunleaks CS and leaking gas nozzles, #25 flue on the A-10 wall & #23 flue on the A-11 wall	OPER MAINT: HEATING:
1852411	NOR	03/02/18 12:38	BATTERY 1	A10	A	Inspection	PUSH	SIP		Opacity of 100% => Limit of 20%		OPER MAINT: Belt Tracking Train the belt Suction 9.0 Duct Belt Temp 264 HEATING: Gas gunleaks CS and leaking gas nozzles, #25 flue on the A-10 wall & #23 flue on the A-11 wall	OPER MAINT: HEATING:
1852459	NOR	03/02/18 07:33	BATTERY 1	A10	U	Routine	TRAVEL	SIP		Opacity of 50% > Limit of 10%		OPER MAINT: Belt Tracking Train the belt Suction 9.0 Duct Belt Temp 264 HEATING: Gas gunleaks CS and leaking gas nozzles, #25 flue on the A-10 wall & #23 flue on the A-11 wall	OPER MAINT: HEATING:
1852457	NOR	03/02/18 07:33	BATTERY 1	A10	U	Routine	PUSH	SIP		Opacity of 100% => Limit of 20%		OPER MAINT: Belt Tracking Train the belt Suction 9.0 Duct Belt Temp 264 HEATING: Gas gunleaks CS and leaking gas nozzles, #25 flue on the A-10 wall & #23 flue on the A-11 wall	OPER MAINT: HEATING:
1852456	NOR	03/02/18 07:33	BATTERY 1	A10	U	Routine	PUSH	NESHAP MACT		49.55 Avg Opac => 30%		OPER MAINT: Belt Tracking Train the belt Suction 9.0 Duct Belt Temp 264 HEATING: Gas gunleaks CS and leaking gas nozzles, #25 flue on the A-10 wall & #23 flue on the A-11 wall	OPER MAINT: HEATING:
1851157	OPEN	02/27/18 12:29	BATTERY 2	A29	A	Inspection	PUSH	SIP		Opacity of 50% => Limit of 20%		HEATING: A-29 wall #4 & #25 flues very high burners and A-30 wall #4 & #24 flues very high burners	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1850830	PND	02/26/18 12:08	BATTERY 15	A08	A	Inspection	PUSH	SIP		Opacity of 25% => Limit of		HEATING:	HEATING:
1850881	PND	02/26/18 09:28	BATTERY 2	A02	U	Routine	PUSH	SIP		Opacity of 40% => Limit of 20%		HEATING: suspected cross flow-oven was a double cycle oven.	HEATING: complete
1849493	PND	02/21/18 13:25	BATTERY 3	B25	A	Inspection	TRAVEL	SIP		Opacity of 75% > Limit of 10%		HEATING: PS 4th & 5th flues nozzle/gun leaks	HEATING:
1849492	PND	02/21/18 13:25	BATTERY 3	B25	A	Inspection	PUSH	SIP		Opacity of 80% => Limit of 20%		HEATING: PS 4th & 5th flues nozzle/gun leaks	HEATING:
1849483	PND	02/21/18 07:34	BATTERY 13	A03	U	Routine	TRAVEL	SIP		Opacity of 60% > Limit of		HEATING:	HEATING:
1849482	NOR	02/21/18 07:34	BATTERY 13	A03	U	Routine	PUSH	NESHAP MACT		42 Avg Opac => 30%		OPER MAINT: Suction 10.1 Belt Duct Temp 220 HEATING:	OPER MAINT: HEATING:
1849294	PND	02/20/18 13:10	BATTERY 3	A28	U	Routine	TRAVEL	SIP		Opacity of 50% > Limit of 10%		HEATING: Leakage in both coke side gas guns	HEATING: oven on extended coking time until permanent repairs can be effected
1849293	PND	02/20/18 13:10	BATTERY 3	A28	U	Routine	PUSH	SIP		Opacity of 100% => Limit of 20%		HEATING: Leakage in both coke side gas guns	HEATING: oven on extended coking time until permanent repairs can be effected
1849292	NOR	02/20/18 13:10	BATTERY 3	A28	U	Routine	PUSH	NESHAP MACT		54.17 Avg Opac => 30%		OPER MAINT: Suction 11.2 Belt Duct Temp 257 HEATING: Leakage in both coke side gas guns	OPER MAINT: HEATING: oven on extended coking time until permanent repairs can be effected
1849025	NOR	02/19/18 13:42	BATTERY 3	B21	U	Routine	TRAVEL	SIP		Opacity of 60% > Limit of 10%		OPER MAINT: Suction 12.3 Belt Duct Temp 230 HEATING: Leakge at tie on on gas guns where previous repairs had been made	OPER MAINT: HEATING: oven on extended coking time until permanent repairs effected
1849024	NOR	02/19/18 13:42	BATTERY 3	B21	U	Routine	PUSH	NESHAP MACT		33 Avg Opac => 30%		OPER MAINT: Suction 12.3 Belt Duct Temp 230 HEATING: Leakge at tie on on gas guns where previous repairs had been made	OPER MAINT: HEATING: oven on extended coking time until permanent repairs effected
1848115	OPEN	02/15/18 11:07	BATTERY C	C02	A	Inspection	PUSH	SIP		Opacity of 30% => Limit of 20%		HEATING: flue restriction	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1848114	OPEN	02/15/18 11:06	BATTERY C	C69	A	Inspection	PUSH	SIP		Opacity of 65% => Limit of 20%		HEATING: flue restriction	
1847841	NOR	02/13/18 13:47	BATTERY 3	A30	U	Routine	TRAVEL	SIP		Opacity of 50% > Limit of 10%		OPER MAINT: Suction 11.3 Belt Duct Temp 239 HEATING: Low CS temps. Work zone oven walls cracked, readjusted walls	OPER MAINT: HEATING: work on flues
1847840	NOR	02/13/18 13:47	BATTERY 3	A30	U	Routine	PUSH	SIP		Opacity of 65% => Limit of 20%		OPER MAINT: Suction 11.3 Belt Duct Temp 239 HEATING: Low CS temps. Work zone oven walls cracked, readjusted walls	OPER MAINT: HEATING: work on flues
1847839	NOR	02/13/18 13:47	BATTERY 3	A30	U	Routine	PUSH	NESHAP MACT		46.33 Avg Opac => 30%		OPER MAINT: Suction 11.3 Belt Duct Temp 239 HEATING: Low CS temps. Work zone oven walls cracked, readjusted walls	OPER MAINT: HEATING: work on flues
1847838	PND	02/13/18 10:29	BATTERY 1	A30	U	Routine	TRAVEL	SIP		Opacity of 20% > Limit of 10%		HEATING: High burners on A-30 wall #1 & #27 flues. A-31 wall high burner #22 flue, low burners	HEATING: complete
1847837	PND	02/13/18 10:29	BATTERY 1	A30	U	Routine	PUSH	SIP		Opacity of 40% => Limit of 20%		HEATING: High burners on A-30 wall #1 & #27 flues. A-31 wall high burner #22 flue, low burners	HEATING: complete
1847521	PND	02/12/18 12:08	BATTERY 2	A21	A	Inspection	PUSH	SIP		Opacity of 25% => Limit of 20%		HEATING: Leakge at tie on on gas guns where previous repairs hed been made	HEATING: oven on extended coking time until permanent repairs effected
1847520	PND	02/12/18 12:07	BATTERY 2	A19	A	Inspection	TRAVEL	SIP		Opacity of 40% > Limit of 10%		HEATING: Some flues with debris in, CS gas guns leakage issues	HEATING: complete
1847519	PND	02/12/18 12:07	BATTERY 2	A19	A	Inspection	PUSH	SIP		Opacity of 50% => Limit of 20%		HEATING: Some flues with debris in, CS gas guns leakage issues	HEATING: complete
1846552	OPEN	02/09/18 14:00	BATTERY 13	A23	A	Inspection	TRAVEL	SIP		Opacity of 30% > Limit of		HEATING:	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1846551	OPEN	02/09/18 14:00	BATTERY 13	A23	A	Inspection	PUSH	SIP		Opacity of 30% => Limit of 20%		HEATING: 1st flue A24 wall plugged. Now open.	
1846555	PND	02/09/18 09:59	BATTERY 1	A30	U	Routine	TRAVEL	SIP		Opacity of 15% > Limit of 10%		HEATING: A-30 wall #1 & #27 flues high burners, A-31 wall #22 flue high burner,#23 through #28 low burners due to gas gun leaks at tie-ins	HEATING: oven on extended coking time until per,manent repairs can be effected
1846554	PND	02/09/18 09:59	BATTERY 1	A30	U	Routine	PUSH	SIP		Opacity of 30% => Limit of 20%		HEATING: A-30 wall #1 & #27 flues high burners, A-31 wall #22 flue high burner,#23 through #28 low burners due to gas gun leaks at tie-ins	HEATING: oven on extended coking time until per,manent repairs can be effected
1845958	PND	02/08/18 12:46	BATTERY 1	B07	A	Inspection	PUSH	SIP		Opacity of 50% => Limit of 20%		HEATING: Some blockage in gas guns	HEATING: complete
1845957	PND	02/08/18 12:46	BATTERY 1	B05	A	Inspection	TRAVEL	SIP		Opacity of 35% > Limit of 10%		HEATING: Some blockage in gas guns	HEATING: complete
1845567	OPEN	02/07/18 08:59	BATTERY 13	A11	U	Routine	TRAVEL	SIP		Opacity of 25% > Limit of		HEATING:	
1845566	OPEN	02/07/18 08:59	BATTERY 13	A11	U	Routine	PUSH	SIP		Opacity of 50% => Limit of		HEATING:	
1845337	OPEN	02/06/18 12:58	BATTERY C	C15	A	Inspection	TRAVEL	SIP		Opacity of 20% > Limit of		HEATING:	
1845336	OPEN	02/06/18 12:58	BATTERY C	C13	A	Inspection	TRAVEL	SIP		Opacity of 20% > Limit of		HEATING:	
1845335	OPEN	02/06/18 12:58	BATTERY C	C13	A	Inspection	PUSH	SIP		Opacity of 30% => Limit of		HEATING:	
1845334	OPEN	02/06/18 12:42	BATTERY 20	C10	A	Inspection	PUSH	SIP		Opacity of 30% => Limit of		HEATING:	
1844442	PND	02/04/18 09:33	BATTERY 2	B20	U	Routine	TRAVEL	SIP		Opacity of 20% > Limit of 10%		HEATING: nozzel restrictions	HEATING: complete
1844441	PND	02/04/18 09:33	BATTERY 2	B20	U	Routine	PUSH	SIP		Opacity of 35% => Limit of 20%		HEATING: nozzel restrictions	HEATING: complete
1843357	OPEN	02/02/18 12:29	BATTERY 20	C21	A	Inspection	PUSH	SIP		Opacity of 25% => Limit of		HEATING:	
1843413	PND	02/02/18 11:58	BATTERY 1	A05	U	Routine	TRAVEL	SIP		Opacity of 20% > Limit of 10%		HEATING: exterior gas gun leakage	HEATING: complete
1843412	PND	02/02/18 11:58	BATTERY 1	A05	U	Routine	PUSH	SIP		Opacity of 40% => Limit of 20%		HEATING: exterior gas gun leakage	HEATING: complete
1842927	PND	02/01/18 14:05	BATTERY 13	A04	A	Inspection	TRAVEL	SIP		Opacity of 40% > Limit of 10%		HEATING: Battery Temperatures were lower than desired in addition to flue obstruction	HEATING: Flue maintenance perfromed on 2/1

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1842926	NOR	02/01/18 14:05	BATTERY 13	A04	A	Inspection	PUSH	SIP		Opacity of 75% => Limit of 20%		OPER MAINT: Suction 7.4 Belt Duct Temp 212, 2-3 fan down for balancing HEATING: Battery Temperatures were lower than desired in addtion to flue obstruction	OPER MAINT: HEATING: Flue maintenance perfromed on 2/1
1842915	RDY1	02/01/18 10:14	BATTERY 13	A04	U	Routine	TRAVEL	SIP		Opacity of 40% > Limit of 10%		OPER MAINT: Suction 7.4 Belt Duct Temp 212, 2-3 fan down for balancing HEATING: Battery Temperatures were lower than desired in addtiona to flue obstruction	OPER MAINT: HEATING: Flue maintenance perfromed on 2/1
1842914	NOR	02/01/18 10:14	BATTERY 13	A04	U	Routine	PUSH	SIP		Opacity of 50% => Limit of 20%		OPER MAINT: Suction 7.4 Belt Duct Temp 212, 2-3 fan down for balancing HEATING: Battery Temperatures were lower than desired in addtion to flue obstruction	OPER MAINT: HEATING: Flue maintenance perfromed on 2/1
1842913	NOR	02/01/18 10:14	BATTERY 13	A04	U	Routine	PUSH	NESHAP MACT		35.83 Avg Opac => 30%		OPER MAINT: Suction 7.4 Belt Duct Temp 212, 2-3 fan down for balancing HEATING: Battery Temperatures were lower than desired in addtiona to flue obstruction	OPER MAINT: HEATING: Flue maintenance perfromed on 2/1
1842912	NOR	02/01/18 07:54	BATTERY 14	A22	U	Routine	TRAVEL	SIP		Opacity of 80% > Limit of 10%		OPER MAINT: Suction 9.3 Belt Duct Temp 207 HEATING:	OPER MAINT: HEATING:
1842911	NOR	02/01/18 07:54	BATTERY 14	A22	U	Routine	PUSH	SIP		Opacity of 100% => Limit of 20%		OPER MAINT: Suction 9.3 Belt Duct Temp 207 HEATING:	OPER MAINT: HEATING:
1842910	NOR	02/01/18 07:54	BATTERY 14	A22	U	Routine	PUSH	NESHAP MACT		68.89 Avg Opac => 30%		OPER MAINT: Suction 9.3 Belt Duct Temp 207 HEATING:	OPER MAINT: HEATING:
1842651	PND	01/31/18 14:54	BATTERY 1	A17	A	Inspection	TRAVEL	SIP		Opacity of 60% > Limit of 10%		HEATING: Gas gun leakage (exterior)	HEATING:
1842650	PND	01/31/18 14:53	BATTERY 1	A09	A	Inspection	PUSH	SIP		Opacity of 80% => Limit of 20%		HEATING: exterior gas gun leakage	HEATING: complete
1842575	NOR	01/31/18 11:27	BATTERY 13	A02	U	Routine	TRAVEL	SIP		Opacity of 85% > Limit of 10%		OPER MAINT: Suction 8.8 Belt Duct Temp 179 HEATING:	OPER MAINT: HEATING: End flue cleanout out performed and returned to normal NCT on 2/11
1842574	NOR	01/31/18 11:27	BATTERY 13	A02	U	Routine	PUSH	NESHAP MACT		55.71 Avg Opac => 30%		OPER MAINT: Suction 8.8 Belt Duct Temp 179 HEATING:	OPER MAINT: HEATING:

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1841689	PND	01/30/18 13:53	BATTERY 2	A02	A	Inspection	PUSH	SIP		Opacity of 60% => Limit of 20%		HEATING: A-2 wall has several high burner flues	HEATING: complete
1841688	PND	01/30/18 13:52	BATTERY 2	B30	A	Inspection	PUSH	SIP		Opacity of 35% => Limit of 20%		HEATING: PEC hood not working properly due to belt not tracking	HEATING:
1841731	PND	01/30/18 10:38	BATTERY 3	B27	U	Routine	PUSH	SIP		Opacity of 50% => Limit of 20%		HEATING: PEC hood not working properly due to belt not tracking	HEATING:
1841064	PND	01/29/18 11:50	BATTERY 1	A17	A	Inspection	PUSH	SIP		Opacity of 55% => Limit of 20%		HEATING: Wall adjustment incorrect	HEATING: complete
1841083	NOR	01/29/18 07:49	BATTERY 1	A15	U	Routine	TRAVEL	SIP		Opacity of 50% > Limit of 10%		OPER MAINT: Suction 9.6 Belt Duct Temp 255 HEATING: several restricted flues: some issues related to recent end flue repairs	OPER MAINT: HEATING: complete
1841082	NOR	01/29/18 07:49	BATTERY 1	A15	U	Routine	PUSH	SIP		Opacity of 100% => Limit of 20%		OPER MAINT: Suction 9.6 Belt Duct Temp 255 HEATING: several restricted flues: some issues related to recent end flue repairs	OPER MAINT: HEATING: complete
1841081	NOR	01/29/18 07:49	BATTERY 1	A15	U	Routine	PUSH	NESHAP MACT		50.56 Avg Opac => 30%		OPER MAINT: Suction 9.6 Belt Duct Temp 255 HEATING: several restricted flues: some issues related to recent end flue repairs	OPER MAINT: HEATING: complete
1840603	PND	01/28/18 07:47	BATTERY 1	A05	U	Routine	TRAVEL	SIP		Opacity of 20% > Limit of 10%		HEATING: Gas gun leakage (exterior)	HEATING: Guns patched
1840602	PND	01/28/18 07:47	BATTERY 1	A05	U	Routine	PUSH	SIP		Opacity of 40% => Limit of 20%		HEATING: Gas gun leakage (exterior)	HEATING: Guns patched
1840077	PND	01/27/18 08:50	BATTERY 1	A03	U	Routine	TRAVEL	SIP		Opacity of 30% > Limit of 10%		HEATING: PS & Cs gas gun leakge	HEATING: Guns patched
1840076	PND	01/27/18 08:50	BATTERY 1	A03	U	Routine	PUSH	SIP		Opacity of 40% => Limit of 20%		HEATING: PS & Cs gas gun leakge	HEATING: Guns patched

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1839638	NOR	01/26/18 07:41	BATTERY 2	B24	U	Routine	TRAVEL	SIP		Opacity of 50% > Limit of 10%		HEATING: B-25 oven is a currently a double cycle oven, the B-25 wall was cracked a little too much OPER MAINT: Suction 8.6 Belt Duct Temp 450	OPER MAINT: HEATING: complete
1839637	NOR	01/26/18 07:41	BATTERY 2	B24	U	Routine	PUSH	SIP		Opacity of 100% => Limit of 20%		HEATING: B-25 oven is a currently a double cycle oven, the B-25 wall was cracked a little too much OPER MAINT: Suction 8.6 Belt Duct Temp 450	OPER MAINT: HEATING: complete
1839636	NOR	01/26/18 07:41	BATTERY 2	B24	U	Routine	PUSH	NESHAP MACT		54.55 Avg Opac => 30%		HEATING: B-25 oven is a currently a double cycle oven, the B-25 wall was cracked a little too much OPER MAINT: Suction 8.6 Belt Duct Temp 450	OPER MAINT: HEATING: complete
1838883	NOR	01/25/18 13:01	BATTERY 3	B21	A	Inspection	TRAVEL	SIP		Opacity of 15% > Limit of 10%		HEATING: blockage /leakage in gas gun: both #22 flues need nozzle repairs	
1838046	OPEN	01/24/18 12:09	BATTERY 19	A04	A	Inspection	PUSH	SIP		Opacity of 55% => Limit of		HEATING:	
1837608	PND	01/23/18 12:18	BATTERY 3	C02	A	Inspection	TRAVEL	SIP		Opacity of 90% > Limit of 10%		HEATING: Oven was a sticker. When observed there was less then a ton of coke in the oven and no PEC hood was used	HEATING:
1837607	PND	01/23/18 12:18	BATTERY 3	C02	A	Inspection	PUSH	SIP		Opacity of 100% => Limit of 20%		HEATING: Oven was a sticker. When observed there was less then a ton of coke in the oven and no PEC hood was used	HEATING:
1833831	OPEN	01/18/18 13:36	BATTERY 20	C12	A	Inspection	PUSH	SIP		Opacity of 30% => Limit of		HEATING:	
1831435	PND	01/16/18 14:10	BATTERY 2	A29	A	Inspection	PUSH	SIP		Opacity of 50% => Limit of 20%		HEATING: Flue & gas gun issues	HEATING: complete

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1831601	NOR	01/16/18 11:19	BATTERY 3	B11	U	Routine	TRAVEL	SIP		Opacity of 25% > Limit of 10%		HEATING: Oven put on extended CT. Then oven is going empty for end flue repairs. OPER MAINT: Suction 10.2 Belt Duct Temp 183	OPER MAINT: HEATING: complete
1831600	NOR	01/16/18 11:19	BATTERY 3	B11	U	Routine	PUSH	SIP		Opacity of 100% => Limit of 20%		HEATING: Oven put on extended CT. Then oven is going empty for end flue repairs. OPER MAINT: Suction 10.2 Belt Duct Temp 183	OPER MAINT: HEATING: complete
1831599	NOR	01/16/18 11:19	BATTERY 3	B11	U	Routine	PUSH	NESHAP MACT		45.83 Avg Opac => 30%		HEATING: Oven put on extended CT. Then oven is going empty for end flue repairs. OPER MAINT: Suction 10.2 Belt Duct Temp 183	OPER MAINT: HEATING: complete
1831595	NOR	01/16/18 09:38	BATTERY 2	A25	U	Routine	TRAVEL	SIP		Opacity of 30% > Limit of 10%		HEATING: Flue & gas gun issues OPER MAINT: Suction 11.9 Belt Duct Temp 279	OPER MAINT: HEATING: complete
1831594	NOR	01/16/18 09:38	BATTERY 2	A25	U	Routine	PUSH	SIP		Opacity of 60% => Limit of 20%		HEATING: Flue & gas gun issues OPER MAINT: Suction 11.9 Belt Duct Temp 279	OPER MAINT: HEATING: complete
1831589	NOR	01/16/18 09:38	BATTERY 2	A25	U	Routine	PUSH	NESHAP MACT		33 Avg Opac => 30%		HEATING: Flue & gas gun issues OPER MAINT: Suction 11.9 Belt Duct Temp 279	OPER MAINT: HEATING: complete
1827966	PND	01/11/18 12:54	BATTERY B	A02	A	Inspection	PUSH	SIP		Opacity of 25% => Limit of 20%		HEATING: Airports 1st flue A2 and A3 OPER MAINT: Two fans down for repair and flow 124,000cfm Temp 56	OPER MAINT:
1827659	OPEN	01/10/18 12:19	BATTERY 13	B21	A	Inspection	TRAVEL	SIP		Opacity of 35% > Limit of		HEATING:	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1827326	PND	01/09/18 13:56	BATTERY 15	A30	A	Inspection	TRAVEL	SIP		Opacity of 35% > Limit of 10%		OPER MAINT: Suction 9.7 Belt Duct temp 328 HEATING: battery average temp low due to reduction in coking rate from decreased UFG	OPER MAINT:
1827325	PND	01/09/18 13:56	BATTERY 15	A30	A	Inspection	PUSH	SIP		Opacity of 65% => Limit of 20%		OPER MAINT: Suction 9.7 Belt Duct temp 328 HEATING: battery average temp low due to reduction in coking rate from decreased UFG	OPER MAINT:
1827324	PND	01/09/18 13:55	BATTERY 15	A24	A	Inspection	TRAVEL	SIP		Opacity of 35% > Limit of 10%		OPER MAINT: Belt Duct Temp 276 Suction 9 HEATING: battery average temp low due to reduction in coking rate from decreased UFG	OPER MAINT:
1827323	PND	01/09/18 13:55	BATTERY 15	A24	A	Inspection	PUSH	SIP		Opacity of 30% => Limit of 20%		OPER MAINT: Belt Duct Temp 276 Suction 9 HEATING: battery average temp low due to reduction in coking rate from decreased UFG	OPER MAINT:
1827322	PND	01/09/18 13:54	BATTERY 15	A22	A	Inspection	TRAVEL	SIP		Opacity of 25% > Limit of 10%		OPER MAINT: Suction 8.2 Belt Duct Temp 257 HEATING: battery average temp low due to reduction in coking rate from decreased UFG	OPER MAINT:
1827319	NOR	01/09/18 10:43	BATTERY 2	A02	U	Routine	TRAVEL	SIP		Opacity of 25% > Limit of 10%		HEATING: A-3/2 is a double cycle oven, the A-3 wall is cracked OPER MAINT: Suction 9 Belt DuctTemp 236	HEATING: complete OPER MAINT:
1827317	RDY1	01/09/18 10:43	BATTERY 2	A02	U	Routine	PUSH	SIP		Opacity of 50% => Limit of 20%		HEATING: A-3/2 is a double cycle oven, the A-3 wall is cracked OPER MAINT: Suction 9 Belt DuctTemp 236	HEATING: complete OPER MAINT:

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1826926	NOR	01/08/18 14:20	BATTERY 1	B12	A	Inspection	PUSH	SIP		Opacity of 20% => Limit of 20%		HEATING: B-13 wall CS #20 flue is restricted OPER MAINT: Suction 10.4 Belt Duct Temp 174	HEATING: PS gas gun needs some attention: currently a WIP OPER MAINT:
1826925	NOR	01/08/18 14:18	BATTERY 1	B06	A	Inspection	PUSH	SIP		Opacity of 35% => Limit of 20%		HEATING: B-7 wall is low on the CS: piping and gas gun to be chjecked for restriction OPER MAINT: Suction 10.0 Belt Duct Temp 165	HEATING: OPER MAINT:
1824074	OPEN	01/04/18 07:49	BATTERY 13	B18	U	Routine	TRAVEL	SIP		Opacity of 40% > Limit of 10%		HEATING: 1st flue a19 wall GP plugged	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1839638	NOR	01/26/18 07:41	BATTERY 2	B24	U	Routine	TRAVEL	SIP		Opacity of 50% > Limit of 10%		HEATING: B-25 oven is a currently a double cycle oven, the B-25 wall was cracked a little too much OPER MAINT: Suction 8.6 Belt Duct Temp 450	OPER MAINT: HEATING: complete
1839637	NOR	01/26/18 07:41	BATTERY 2	B24	U	Routine	PUSH	SIP		Opacity of 100% => Limit of 20%		HEATING: B-25 oven is a currently a double cycle oven, the B-25 wall was cracked a little too much OPER MAINT: Suction 8.6 Belt Duct Temp 450	OPER MAINT: HEATING: complete
1839636	NOR	01/26/18 07:41	BATTERY 2	B24	U	Routine	PUSH	NESHAP MACT		54.55 Avg Opac => 30%		HEATING: B-25 oven is a currently a double cycle oven, the B-25 wall was cracked a little too much OPER MAINT: Suction 8.6 Belt Duct Temp 450	OPER MAINT: HEATING: complete
1838883	NOR	01/25/18 13:01	BATTERY 3	B21	A	Inspection	TRAVEL	SIP		Opacity of 15% > Limit of 10%		HEATING: blockage /leakage in gas gun: both #22 flues need nozzle repairs	
1838046	OPEN	01/24/18 12:09	BATTERY 19	A04	A	Inspection	PUSH	SIP		Opacity of 55% => Limit of		HEATING:	
1837608	PND	01/23/18 12:18	BATTERY 3	C02	A	Inspection	TRAVEL	SIP		Opacity of 90% > Limit of 10%		HEATING: Oven was a sticker. When observed there was less then a ton of coke in the oven and no PEC hood was used	HEATING:
1837607	PND	01/23/18 12:18	BATTERY 3	C02	A	Inspection	PUSH	SIP		Opacity of 100% => Limit of 20%		HEATING: Oven was a sticker. When observed there was less then a ton of coke in the oven and no PEC hood was used	HEATING:
1833831	OPEN	01/18/18 13:36	BATTERY 20	C12	A	Inspection	PUSH	SIP		Opacity of 30% => Limit of		HEATING:	
1831435	PND	01/16/18 14:10	BATTERY 2	A29	A	Inspection	PUSH	SIP		Opacity of 50% => Limit of 20%		HEATING: Flue & gas gun issues	HEATING: complete

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1831601	NOR	01/16/18 11:19	BATTERY 3	B11	U	Routine	TRAVEL	SIP		Opacity of 25% > Limit of 10%		HEATING: Oven put on extended CT. Then oven is going empty for end flue repairs. OPER MAINT: Suction 10.2 Belt Duct Temp 183	OPER MAINT: HEATING: complete
1831600	NOR	01/16/18 11:19	BATTERY 3	B11	U	Routine	PUSH	SIP		Opacity of 100% => Limit of 20%		HEATING: Oven put on extended CT. Then oven is going empty for end flue repairs. OPER MAINT: Suction 10.2 Belt Duct Temp 183	OPER MAINT: HEATING: complete
1831599	NOR	01/16/18 11:19	BATTERY 3	B11	U	Routine	PUSH	NESHAP MACT		45.83 Avg Opac => 30%		HEATING: Oven put on extended CT. Then oven is going empty for end flue repairs. OPER MAINT: Suction 10.2 Belt Duct Temp 183	OPER MAINT: HEATING: complete
1831595	NOR	01/16/18 09:38	BATTERY 2	A25	U	Routine	TRAVEL	SIP		Opacity of 30% > Limit of 10%		HEATING: Flue & gas gun issues OPER MAINT: Suction 11.9 Belt Duct Temp 279	OPER MAINT: HEATING: complete
1831594	NOR	01/16/18 09:38	BATTERY 2	A25	U	Routine	PUSH	SIP		Opacity of 60% => Limit of 20%		HEATING: Flue & gas gun issues OPER MAINT: Suction 11.9 Belt Duct Temp 279	OPER MAINT: HEATING: complete
1831589	NOR	01/16/18 09:38	BATTERY 2	A25	U	Routine	PUSH	NESHAP MACT		33 Avg Opac => 30%		HEATING: Flue & gas gun issues OPER MAINT: Suction 11.9 Belt Duct Temp 279	OPER MAINT: HEATING: complete
1827966	PND	01/11/18 12:54	BATTERY B	A02	A	Inspection	PUSH	SIP		Opacity of 25% => Limit of 20%		HEATING: Airports 1st flue A2 and A3 OPER MAINT: Two fans down for repair and flow 124,000cfm Temp 56	OPER MAINT:
1827659	OPEN	01/10/18 12:19	BATTERY 13	B21	A	Inspection	TRAVEL	SIP		Opacity of 35% > Limit of		HEATING:	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1827326	PND	01/09/18 13:56	BATTERY 15	A30	A	Inspection	TRAVEL	SIP		Opacity of 35% > Limit of 10%		OPER MAINT: Suction 9.7 Belt Duct temp 328 HEATING: battery average temp low due to reduction in coking rate from decreased UFG	OPER MAINT:
1827325	PND	01/09/18 13:56	BATTERY 15	A30	A	Inspection	PUSH	SIP		Opacity of 65% => Limit of 20%		OPER MAINT: Suction 9.7 Belt Duct temp 328 HEATING: battery average temp low due to reduction in coking rate from decreased UFG	OPER MAINT:
1827324	PND	01/09/18 13:55	BATTERY 15	A24	A	Inspection	TRAVEL	SIP		Opacity of 35% > Limit of 10%		OPER MAINT: Belt Duct Temp 276 Suction 9 HEATING: battery average temp low due to reduction in coking rate from decreased UFG	OPER MAINT:
1827323	PND	01/09/18 13:55	BATTERY 15	A24	A	Inspection	PUSH	SIP		Opacity of 30% => Limit of 20%		OPER MAINT: Belt Duct Temp 276 Suction 9 HEATING: battery average temp low due to reduction in coking rate from decreased UFG	OPER MAINT:
1827322	PND	01/09/18 13:54	BATTERY 15	A22	A	Inspection	TRAVEL	SIP		Opacity of 25% > Limit of 10%		OPER MAINT: Suction 8.2 Belt Duct Temp 257 HEATING: battery average temp low due to reduction in coking rate from decreased UFG	OPER MAINT:
1827319	NOR	01/09/18 10:43	BATTERY 2	A02	U	Routine	TRAVEL	SIP		Opacity of 25% > Limit of 10%		HEATING: A-3/2 is a double cycle oven, the A-3 wall is cracked OPER MAINT: Suction 9 Belt DuctTemp 236	HEATING: complete OPER MAINT:
1827317	RDY1	01/09/18 10:43	BATTERY 2	A02	U	Routine	PUSH	SIP		Opacity of 50% => Limit of 20%		HEATING: A-3/2 is a double cycle oven, the A-3 wall is cracked OPER MAINT: Suction 9 Belt DuctTemp 236	HEATING: complete OPER MAINT:

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1826926	NOR	01/08/18 14:20	BATTERY 1	B12	A	Inspection	PUSH	SIP		Opacity of 20% => Limit of 20%		HEATING: B-13 wall CS #20 flue is restricted OPER MAINT: Suction 10.4 Belt Duct Temp 174	HEATING: PS gas gun needs some attention: currently a WIP OPER MAINT:
1826925	NOR	01/08/18 14:18	BATTERY 1	B06	A	Inspection	PUSH	SIP		Opacity of 35% => Limit of 20%		HEATING: B-7 wall is low on the CS: piping and gas gun to be chjecked for restriction OPER MAINT: Suction 10.0 Belt Duct Temp 165	HEATING: OPER MAINT:
1824074	OPEN	01/04/18 07:49	BATTERY 13	B18	U	Routine	TRAVEL	SIP		Opacity of 40% > Limit of 10%		HEATING: 1st flue a19 wall GP plugged	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1862779	OPEN	03/31/18 20:00	BATTERY 19	B13	U	Routine	STACK 20%	SIP		46 Rdg => 20%		HEATING: will look at next time due.	
1862744	OPEN	03/31/18 14:00	BATTERY 19	A24	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING:	
1862714	OPEN	03/31/18 10:00	BATTERY 15		U	Routine	STACK 60%	SIP		56 Rdg => 60%		HEATING: Key stone C- turban trip off lost pad pressure 15 battery gas valve went open and was stuck in that position for 17 mins until reverse went over	
1862713	OPEN	03/31/18 10:00	BATTERY 15		U	Routine	STACK 20%	SIP		103 Rdg => 20%		HEATING: Key stone C- turban trip off lost pad pressure 15 battery gas valve went open and was stuck in that position for 17 mins until reverse went over	
1862460	OPEN	03/30/18 17:00	BATTERY 20	A29	U	Routine	STACK 20%	SIP		53 Rdg => 20%		HEATING:	
1862227	OPEN	03/29/18 22:00	BATTERY 15	A17	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: p/s leak extended coking time 27 hrs & decarb time 41 mins	
1861905	OPEN	03/28/18 12:00	BATTERY 15	B21	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: pusher side leak opacity during chagre	
1861428	OPEN	03/26/18 22:00	BATTERY 15	A11	U	Routine	STACK 20%	SIP		41 Rdg => 20%		HEATING: pusher side leak turn gas cock back on and opacity went back up	
1861427	OPEN	03/26/18 22:00	BATTERY 13		U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: high back pressure	
1861397	OPEN	03/26/18 21:00	BATTERY 15	A11	U	Routine	STACK 20%	SIP		44 Rdg => 20%		HEATING: pusher side leak possible jamb	
1861396	OPEN	03/26/18 21:00	BATTERY 13		U	Routine	STACK 20%	SIP		27 Rdg => 20%		HEATING: high back pressure	
1861365	OPEN	03/26/18 19:00	BATTERY 13		U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: high back pressure	
1861336	OPEN	03/26/18 16:00	BATTERY 14		U	Routine	STACK 60%	SIP		1 Rdg => 60%		HEATING: no charging or gas on battery at time of opacity	
1861225	OPEN	03/24/18 02:00	BATTERY 15	B23	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: leak on pusher side extended decarb time 42 mins	
1861224	OPEN	03/23/18 17:00	BATTERY 3	B01	U	Routine	STACK 20%	SIP		21 Rdg => 20%		HEATING: cs leak lined up for inspection	
1861223	OPEN	03/23/18 09:00	BATTERY 15	A21	U	Routine	STACK 20%	SIP		21 Rdg => 20%		HEATING: leak on pusher side extended coking time 23 hrs.	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1861222	OPEN	03/22/18 16:00	BATTERY 13		U	Routine	STACK 20%	SIP		29 Rdg => 20%		HEATING: no charging or gas on battery at time of opacity	
1859726	OPEN	03/22/18 07:00	BATTERY 2	B06	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING:	
1859367	OPEN	03/21/18 13:00	BATTERY 15	B20	U	Routine	STACK 20%	SIP		34 Rdg => 20%		HEATING: p.s. leak. opacity during charge subsided when level	
1859312	OPEN	03/21/18 10:00	BATTERY 15		U	Routine	STACK 60%	SIP		1 Rdg => 60%		HEATING: Heating department had bottle up the battery to change hydraulic filters for the reversing system, when they unbottle it the stack went from 40 mm to 28mm causing opacity not enough draft	
1859154	OPEN	03/21/18 00:00	BATTERY 19	A22	U	Routine	STACK 20%	SIP		31 Rdg => 20%		HEATING: LEAKAGE DURING CHARGE PUSHER SIDE/COKE SIDE	
1858649	OPEN	03/19/18 09:00	BATTERY 20	B19	U	Routine	STACK 20%	SIP		21 Rdg => 20%		HEATING: opacity during charge subsided when level	
1858554	OPEN	03/19/18 00:00	BATTERY 13	B19	U	Routine	STACK 20%	SIP		24 Rdg => 20%		HEATING: coke side leak opacity during charge subsided when level	
1857793	OPEN	03/17/18 05:00	BATTERY 15	A18	U	Routine	STACK 20%	SIP		32 Rdg => 20%		HEATING: leak on pusher side	
1856996	OPEN	03/15/18 08:00	BATTERY 19	A21 A23	U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: oven leak on pusher side opacity during charge	
1856986	OPEN	03/15/18 07:00	BATTERY B	A34	U	Routine	STACK 20%	SIP		24 Rdg => 20%		HEATING: COKE SIDE LEAK INSPECT NEXT TIME DUE	
1856962	OPEN	03/15/18 05:00	BATTERY 2	A22	U	Routine	STACK 20%	SIP		43 Rdg => 20%		HEATING: PS LEAK WILL CHECK NTD	
1856809	RDY1	03/14/18 18:00	BATTERY 1	B01	U	Routine	STACK 20%	SIP		32 Rdg => 20%		HEATING: OVEN INTERIOR LEAKAGE CHECK NEXT TIME DUE	HEATING:
1856672	OPEN	03/14/18 10:00	BATTERY 1	A28	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: 1st time charge empty for dish change	
1856543	OPEN	03/14/18 03:00	BATTERY 15	A02	U	Routine	STACK 20%	SIP		21 Rdg => 20%		HEATING: leak on pusher side extended coking time 28 hrs.	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1856535	OPEN	03/14/18 02:00	BATTERY 13	A22	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: oven leak on pusher side extended coking time 28 hrs	
1856398	OPEN	03/13/18 14:00	BATTERY 15	A21	U	Routine	STACK 20%	SIP		24 Rdg => 20%		HEATING: oven interior leakage on pusher side	
1855878	OPEN	03/12/18 05:00	BATTERY 14	B02	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: coke side leak opacity during charge subsided when level	
1855687	OPEN	03/11/18 14:00	BATTERY 2	A17	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: CS leak inspect next time due	
1855262	OPEN	03/10/18 04:00	BATTERY 2	B07	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: P.S. leak	
1854965	OPEN	03/09/18 10:00	BATTERY 20	B20	U	Routine	STACK 60%	SIP		2 Rdg => 60%		HEATING: pusher side leak first time charge after repairs	
1854964	OPEN	03/09/18 10:00	BATTERY 20	B20	U	Routine	STACK 20%	SIP		54 Rdg => 20%		HEATING: pusher side leak first time charge after repairs	
1854576	OPEN	03/08/18 15:00	BATTERY 1	A24	U	Routine	STACK 20%	SIP		37 Rdg => 20%		HEATING: Pressurizing an oven for contractors	
1854417	OPEN	03/08/18 07:00	BATTERY C	C79	U	Routine	STACK 20%	SIP		75 Rdg => 20%		HEATING: Oven interior leakage due to hole in 79 north wall.	
1854405	OPEN	03/08/18 06:00	BATTERY C	C79	U	Routine	STACK 20%	SIP		113 Rdg => 20%		HEATING: Oven interior leakage due to hole in 79 north wall.	
1854392	OPEN	03/08/18 05:00	BATTERY C	C79	U	Routine	STACK 20%	SIP		124 Rdg => 20%		HEATING: Oven interior leakage due to hole in 79 north wall.	
1854331	OPEN	03/08/18 01:00	BATTERY 2	A22	U	Routine	STACK 60%	SIP		2 Rdg => 60%		HEATING: OPACITN DURING CHARGE	
1854152	OPEN	03/07/18 13:00	BATTERY 3	A28	U	Routine	STACK 20%	SIP		65 Rdg => 20%		HEATING: A28/3ps opacity due to regulator in governor house failed, called in breakdown	
1853991	OPEN	03/06/18 20:00	BATTERY 3	A16	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: A16/3 POSSIBLE JAMB LEAK ON CS, CHECK NEXT TIME DUE	
1853917	OPEN	03/06/18 13:00	BATTERY 15	A19	U	Routine	STACK 20%	SIP		21 Rdg => 20%		HEATING: pusher side leak extended coking time of 50 + hrs.	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1853395	OPEN	03/05/18 01:00	BATTERY 2	B05	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: coke side air box did not open	
1853375	OPEN	03/04/18 23:00	BATTERY 19	A02	U	Routine	STACK 20%	SIP		46 Rdg => 20%		HEATING: pusher side leak opacity during charge subsided when level	
1853031	OPEN	03/03/18 21:00	BATTERY 15	A04	U	Routine	STACK 60%	SIP		10 Rdg => 60%		HEATING: pusher side leak extended decarb time 41 mins door machine operator had trouble getting door on lost benefical carbon	
1852081	OPEN	03/01/18 11:00	BATTERY 19	B14	U	Routine	STACK 60%	SIP		9 Rdg => 60%		HEATING: leak on pusher side opacity during charge subsided when level	
1852080	OPEN	03/01/18 11:00	BATTERY 19	B14	U	Routine	STACK 20%	SIP		38 Rdg => 20%		HEATING: leak on pusher side opacity during charge subsided when level	
1851438	OPEN	02/28/18 21:00	BATTERY 15	B25	U	Routine	STACK 20%	SIP		27 Rdg => 20%		HEATING: Pusher Side Leak opacity during charge	
1851423	OPEN	02/28/18 17:00	BATTERY 20	B19	U	Routine	STACK 20%	SIP		49 Rdg => 20%		HEATING: leak on pusher side opacity during charge 50 min decarb time	
1850930	OPEN	02/26/18 18:00	BATTERY 3		U	Routine	STACK 20%	SIP		55 Rdg => 20%		HEATING: POWER LOSS TO NORTH P.S. ASKANIA	
1850918	OPEN	02/26/18 17:00	BATTERY 3		U	Routine	STACK 20%	SIP		38 Rdg => 20%		HEATING: POWER LOSS TO NORTH P.S. ASKANIA	
1850833	OPEN	02/26/18 11:00	BATTERY 15	A22	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: Leak on coke side 45 min decarb time lost benefical carbon	
1850279	OPEN	02/23/18 21:00	BATTERY 13	B28	U	Routine	STACK 20%	SIP		24 Rdg => 20%		HEATING: OPACITN DURING CHARGE P/S LEAK	
1849658	OPEN	02/22/18 03:00	BATTERY 15	A20	U	Routine	STACK 20%	SIP		35 Rdg => 20%		HEATING: Pusher side leak extended decarb time of 30 mins and trouble getting coal to drop during charge	
1849076	OPEN	02/19/18 17:00	BATTERY 20	B20	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: pusher side leak opacity during charge	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1848975	OPEN	02/19/18 03:00	BATTERY 1	B31	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: CS LEAK WILL CHECK NTD	
1848660	OPEN	02/17/18 15:00	BATTERY 15	A27	U	Routine	STACK 20%	SIP		28 Rdg => 20%		HEATING: coke side leak 23.5 hour coking time and 28 min decarb time	
1848607	OPEN	02/17/18 08:00	BATTERY 13	A11	U	Routine	STACK 20%	SIP		35 Rdg => 20%		HEATING: leak on pusher side operation digging hoppers out 54 min decarb time	
1848121	OPEN	02/15/18 10:00	BATTERY 20	B21	U	Routine	STACK 20%	SIP		27 Rdg => 20%		HEATING: opacity during charge subside after level	
1848120	OPEN	02/15/18 10:00	BATTERY 2	A09	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: blocked tunnel head during charge	
1848103	OPEN	02/15/18 07:00	BATTERY 3	B28	U	Routine	STACK 60%	SIP		2 Rdg => 60%		HEATING: opacity during charge spiked on reverse inspect next time due	
1846511	OPEN	02/09/18 11:00	BATTERY 1	B03	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: oven interior leakage on cs	
1846437	OPEN	02/09/18 08:00	BATTERY 14	B06	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: leak on coke sde extended coking time 22.5 hrs.	
1846025	OPEN	02/08/18 15:00	BATTERY 15	A15 A17	U	Routine	STACK 20%	SIP		21 Rdg => 20%		HEATING: p/s leak, extended decarb time on A15 of 59 Mins and coking time extended 3 hours due top delays opacity subsided when level .	
1845903	OPEN	02/08/18 10:00	BATTERY 1	B03	U	Routine	STACK 60%	SIP		3 Rdg => 60%		HEATING: opacity subsided after oven was leveled	
1845645	OPEN	02/07/18 18:00	BATTERY 15	B18	U	Routine	STACK 20%	SIP		68 Rdg => 20%		HEATING: pusher side leak extended coking time 23 .8 hrs and decarb time of 24 mins	
1845306	OPEN	02/06/18 10:00	BATTERY 2	A11	U	Routine	STACK 20%	SIP		24 Rdg => 20%		HEATING: AIRBOX WAS FULL OF SMOKE, WILL CHECK WALLS NTD	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1845017	OPEN	02/05/18 19:00	BATTERY 15	A23	U	Routine	STACK 60%	SIP		4 Rdg => 60%		HEATING: leak on pusher side extended coking time lost of beneficial carbon	
1845016	OPEN	02/05/18 19:00	BATTERY 15	A23	U	Routine	STACK 20%	SIP		48 Rdg => 20%		HEATING: leak on pusher side extended coking time lost of beneficial carbon	
1844940	OPEN	02/05/18 17:00	BATTERY 15	B13	U	Routine	STACK 60%	SIP		28 Rdg => 60%		HEATING: leak on pusher side and coke side first time after repairs no beneficial carbon left in oven	
1844939	OPEN	02/05/18 17:00	BATTERY 15	B13	U	Routine	STACK 20%	SIP		53 Rdg => 20%		HEATING: leak on pusher side and coke side first time after repairs no beneficial carbon left in oven	
1844269	OPEN	02/03/18 23:00	BATTERY 2	B31	U	Routine	STACK 20%	SIP		36 Rdg => 20%		HEATING: B31cs leak opacity during chrarge subsided when level	
1843295	RDY1	02/02/18 09:00	BATTERY 15		U	Routine	STACK 20%	SIP		24 Rdg => 20%		HEATING: to much gas and not enought stack	HEATING: adjustments were made to stack draft and underfiring gas
1843246	OPEN	02/02/18 07:00	BATTERY 1	B31	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: leak on coke side opacity during charge subsided when level	
1842684	OPEN	01/31/18 15:00	BATTERY 1	A31 B02 B04	U	Routine	STACK 20%	SIP		37 Rdg => 20%		HEATING: oven interior leakage on pusher side	
1840875	OPEN	01/29/18 02:00	BATTERY 19	A24	U	Routine	STACK 20%	SIP		48 Rdg => 20%		HEATING: TROUBLE GETTING DOOR ON OVEN-EXTENDED DECARB TIME 46 MINS	
1840761	OPEN	01/28/18 22:00	BATTERY 2	A07	U	Routine	STACK 20%	SIP		24 Rdg => 20%		HEATING: CS LEAK	
1840146	OPEN	01/27/18 15:00	BATTERY 14	B17	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: pusher side leak opacity during charge subsided when level	
1840145	OPEN	01/27/18 15:00	BATTERY 13	A20	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: coke side leak opacity during charge subsided when level	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1839563	OPEN	01/26/18 10:00	BATTERY 3	B25	U	Routine	STACK 20%	SIP		24 Rdg => 20%		HEATING: EXTENDED COKING TIME...CHECK NTD	
1838952	OPEN	01/25/18 15:00	BATTERY 15	A08	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: pusher side leak opacity during charge subsided once oven was leveled check next time due	
1838811	OPEN	01/25/18 09:00	BATTERY 15	B22	U	Routine	STACK 20%	SIP		34 Rdg => 20%		HEATING: leak on pusher side opacity during charge trouble getting coal to run #3 hopper 84 min decarb time	
1838563	OPEN	01/25/18 02:00	BATTERY 15	A03	U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: pusher side leak opacity during charge, 36 min dcarb time	
1838026	OPEN	01/24/18 09:00	BATTERY B	B25	U	Routine	STACK 20%	SIP		26 Rdg => 20%		HEATING: oven was empty for 54 minutes	
1836704	OPEN	01/22/18 02:00	BATTERY B	B22	U	Routine	STACK 20%	SIP		63 Rdg => 20%		HEATING: ps south wall	
1836640	OPEN	01/22/18 01:00	BATTERY B	B22	U	Routine	STACK 20%	SIP		70 Rdg => 20%		HEATING: ps south wall	
1836397	OPEN	01/21/18 16:00	BATTERY 15	A29	U	Routine	STACK 20%	SIP		32 Rdg => 20%		HEATING: pusher side leak opacity subsided after being leveled	
1836377	OPEN	01/21/18 15:00	BATTERY 15	A21 A23	U	Routine	STACK 60%	SIP		2 Rdg => 60%		HEATING: Opacity subsided after leveling. Pusher side	
1836376	OPEN	01/21/18 15:00	BATTERY 15	A21 A23	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: Opacity subsided after leveling. Pusher side	
1835757	OPEN	01/20/18 16:00	BATTERY 20	A27	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: OPACITN DURING CHARGE WILL LOOK AT NEXT TIME DUE	
1835674	OPEN	01/20/18 13:00	BATTERY 2	A07	U	Routine	STACK 20%	SIP		36 Rdg => 20%		HEATING: CS AIRBOX FULL OF SMOKE	
1835618	OPEN	01/20/18 11:00	BATTERY 3	B22	U	Routine	STACK 20%	SIP		27 Rdg => 20%		HEATING: oven interior leakage on ca	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1835591	OPEN	01/20/18 10:00	BATTERY 1	B02	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: opacity occurred during inspection of flues gas was turned back on causing poor combustion	
1835542	OPEN	01/20/18 08:00	BATTERY 15	A03	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: cs leak opacity during charge subsided when level inspected flues after oven was charge and we found nothing	
1835512	OPEN	01/20/18 07:00	BATTERY 1	B01	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: OVEN INTERIOR LEAKAGE ON CS	
1835124	OPEN	01/19/18 19:00	BATTERY 1	B03	U	Routine	STACK 20%	SIP		29 Rdg => 20%		HEATING: AIRBOX FULL OF SMOKE	
1834815	OPEN	01/19/18 09:00	BATTERY 15	B08	U	Routine	STACK 60%	SIP		11 Rdg => 60%		HEATING: leak on pusher side opacity during charge waiting on level subsided when level	
1834814	OPEN	01/19/18 09:00	BATTERY 15	B08	U	Routine	STACK 20%	SIP		35 Rdg => 20%		HEATING: leak on pusher side opacity during charge waiting on level subsided when level	
1834604	OPEN	01/19/18 05:00	BATTERY 15	A21	U	Routine	STACK 20%	SIP		27 Rdg => 20%		HEATING: leak on pusher side double cycle oven due to A22 epmty for welding opacity during charge subsided when level	
1834299	OPEN	01/18/18 22:00	BATTERY 3	B17	U	Routine	STACK 20%	SIP		27 Rdg => 20%		HEATING: EXTENDED COKING TIME...NOTHING ELSE FOUND	
1834181	OPEN	01/18/18 19:00	BATTERY 2	B31	U	Routine	STACK 20%	SIP		35 Rdg => 20%		HEATING: smoke in airbox south wall ps	
1833986	OPEN	01/18/18 15:00	BATTERY 2	A07	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: EXTENDED COKING TIME	
1833402	OPEN	01/18/18 01:00	BATTERY 15	B02	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: 35 min. decarrb time., c/s leak., walls off	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1832671	OPEN	01/17/18 10:00	BATTERY 15	B07 B09	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: oven leak on pusher side extended decarb time 30 mins and extended charge time on oven due to plug hoppers	
1831080	OPEN	01/16/18 02:00	BATTERY 15	A22	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: opacity during charge subsided when level	
1830795	OPEN	01/15/18 17:00	BATTERY 20	B28	U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: opacity during charge subsided when level	
1829920	OPEN	01/14/18 19:00	BATTERY 1	B24 C01	U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: B24 CS LEAK, C1 PS LEAK INSPECT BOTH NEXT TIME DUE	
1829448	OPEN	01/14/18 07:00	BATTERY 1	B31	U	Routine	STACK 20%	SIP		34 Rdg => 20%		HEATING: cs leak check next time due	
1829386	OPEN	01/14/18 06:00	BATTERY 15	A25	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: Opacity sudsided after being leveled, leakage on pusher side.	
1829203	RDY1	01/14/18 02:00	BATTERY 2		U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: Steam regulator froze up, too much steam on charge causing butterfly swing and backpressure spikes during charge	HEATING:
1829084	OPEN	01/13/18 23:00	BATTERY 2	B07	U	Routine	STACK 60%	SIP		5 Rdg => 60%		HEATING: C.S. LEAK	
1829043	OPEN	01/13/18 22:00	BATTERY 2	B01	U	Routine	STACK 60%	SIP		6 Rdg => 60%		HEATING: C.S. LEAK	
1829042	OPEN	01/13/18 22:00	BATTERY 1	B03	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: C.S. LEAK	
1828989	OPEN	01/13/18 20:00	BATTERY 1	B03	U	Routine	STACK 20%	SIP		43 Rdg => 20%		HEATING: C.S. LEAK	
1828964	OPEN	01/13/18 19:00	BATTERY 1	B03	U	Routine	STACK 20%	SIP		58 Rdg => 20%		HEATING: CS SOUTH WALL HAS A HOLE...INSPECT AND LVMT	
1828390	OPEN	01/12/18 19:00	BATTERY B	B02	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: 27.5 coke time 38 minute decarb	
1828065	OPEN	01/11/18 21:00	BATTERY 3	B12	U	Routine	STACK 20%	SIP		29 Rdg => 20%		HEATING: P.S.LEAK	
1827910	OPEN	01/11/18 09:00	BATTERY 19	A05	U	Routine	STACK 20%	SIP		24 Rdg => 20%		HEATING: LEAKAGE ON PS BUT MOSTLN ON CS, WALLS NEED SPRANED ON CS	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1827911	OPEN	01/11/18 09:00	BATTERY 19	A05	U	Routine	STACK 60%	SIP		1 Rdg => 60%		HEATING: LEAKAGE ON PS BUT MOSTLN ON CS, WALLS NEED SPRAIED ON CS	
1827759	OPEN	01/10/18 20:00	BATTERY B	B36	U	Routine	STACK 20%	SIP		28 Rdg => 20%		HEATING: LEAKAGE TOP OF N & S WALLS ON 1ST AND 33RD FLUES	
1827537	OPEN	01/10/18 02:00	BATTERY B	B05	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: oven leak on coke side opacity during charge subsided when level	
1827522	OPEN	01/10/18 01:00	BATTERY 20	B06 B04 B08	U	Routine	STACK 20%	SIP		32 Rdg => 20%		HEATING: PUSHER SIDE LEAK OPACITY DURING CHARGE SUBSIDED WHEN LEVELED	
1827445	OPEN	01/09/18 20:00	BATTERY 19	A05	U	Routine	STACK 20%	SIP		30 Rdg => 20%		HEATING: pusher side leak opacity during charge subsided whe level	
1827315	OPEN	01/09/18 11:00	BATTERY 20	B25 B27	U	Routine	STACK 20%	SIP		41 Rdg => 20%		HEATING: leak on pusher side opacity during charge subsided when level	
1827288	OPEN	01/09/18 09:00	BATTERY 20	B17	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: leak on pusher side opacity during charge subsided when level	
1827128	OPEN	01/08/18 22:00	BATTERY 15	A27 A29	U	Routine	STACK 20%	SIP		29 Rdg => 20%		HEATING: CS double cycle oven	
1827110	OPEN	01/08/18 20:00	BATTERY 13	B18	U	Routine	STACK 60%	SIP		4 Rdg => 60%		HEATING: PS LEAK ... FOUND NOTHING ELSE	
1827084	OPEN	01/08/18 18:00	BATTERY 15	A05	U	Routine	STACK 60%	SIP		4 Rdg => 60%		HEATING: ps leak inspect next time due	
1827083	OPEN	01/08/18 18:00	BATTERY 15	A05	U	Routine	STACK 20%	SIP		33 Rdg => 20%		HEATING: ps leak inspect next time due	
1826941	OPEN	01/08/18 13:00	BATTERY 1	B06	U	Routine	STACK 60%	SIP		1 Rdg => 60%		HEATING: oven leak on coke side quick spike during charge	
1826940	OPEN	01/08/18 13:00	BATTERY 1	B06	U	Routine	STACK 20%	SIP		21 Rdg => 20%		HEATING: oven leak on coke side quick spike during charge	
1826915	OPEN	01/08/18 12:00	BATTERY 14	B03	U	Routine	STACK 20%	SIP		27 Rdg => 20%		HEATING: pusher side leak opacity during charge subsided when level	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1826819	OPEN	01/08/18 09:00	BATTERY 20	B02	U	Routine	STACK 20%	SIP		29 Rdg => 20%		HEATING: oven leak on pusher side opacity during charge subsided when level	
1826818	OPEN	01/08/18 09:00	BATTERY 15	B03	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: coke side leak	
1826791	OPEN	01/08/18 08:00	BATTERY 15	A24	U	Routine	STACK 20%	SIP		115 Rdg => 20%		HEATING: pusher side leak opacity during charge subsided when level	
1826773	OPEN	01/08/18 07:00	BATTERY 15	A20	U	Routine	STACK 60%	SIP		7 Rdg => 60%		HEATING: Quad setting out of adjustment	
1826772	OPEN	01/08/18 07:00	BATTERY 15	A20	U	Routine	STACK 20%	SIP		47 Rdg => 20%		HEATING: Quad setting out of adjustment	
1826746	OPEN	01/08/18 01:00	BATTERY 19	C20	U	Routine	STACK 60%	SIP		1 Rdg => 60%		HEATING: oven leak on pusher side opacity during charge subsided when level	
1826502	OPEN	01/07/18 15:00	BATTERY 13	B18	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: cs leak inspect next time due	
1826463	OPEN	01/07/18 11:00	BATTERY 13	B16	U	Routine	STACK 60%	SIP		7 Rdg => 60%		HEATING: coke side leak, no smoke/fire in flues	
1826462	OPEN	01/07/18 11:00	BATTERY 13	B16	U	Routine	STACK 20%	SIP		23 Rdg => 20%		HEATING: coke side leak, no smoke/fire in flues	
1826343	OPEN	01/07/18 06:00	BATTERY 1	B02	U	Routine	STACK 20%	SIP		43 Rdg => 20%		HEATING: cs leak will check next time due	
1826013	OPEN	01/06/18 22:00	BATTERY 15	A20	U	Routine	STACK 20%	SIP		24 Rdg => 20%		HEATING: Opacity subsided after oven was leveled.	
1825596	OPEN	01/06/18 13:00	BATTERY 1	B24 B26	U	Routine	STACK 20%	SIP		39 Rdg => 20%		HEATING: PS LEAK B24, CS LEAK B26	
1825402	OPEN	01/06/18 09:00	BATTERY 15	A07 A09	U	Routine	STACK 20%	SIP		24 Rdg => 20%		HEATING: pusher side leak	
1825013	OPEN	01/05/18 23:00	BATTERY B	A16	U	Routine	STACK 20%	SIP		19 Rdg => 20%		HEATING: SLOW OPERATION WAITING FOR LEVEL	
1824568	OPEN	01/05/18 07:00	BATTERY B	B26	U	Routine	STACK 20%	SIP		29 Rdg => 20%		HEATING: coke side leak opacity during charge subsided when level	
1823922	OPEN	01/04/18 06:00	BATTERY B	A34	U	Routine	STACK 20%	SIP		22 Rdg => 20%		HEATING: check next time due	
1823848	OPEN	01/04/18 04:00	BATTERY 14	B18	U	Routine	STACK 20%	SIP		20 Rdg => 20%		HEATING: oven leak coke side opacity during charge subsided when level	

US Steel
Clairton Works
Veo.6.4.4

EXCEEDANCE TRACKING LOG - CA DESCRIPTIONS

FROM: 1/1/2018 TO: 3/31/2018

Reference Number	Event Status	Inspect Date	Facility	Oven	Agy	Inspection Reason	Inspection Type	Affected Standard	Dev	Event Descript	Break Down	Root Cause Desc.	Corr Action Desc.
1823636	OPEN	01/03/18 19:00	BATTERY 2	B31	U	Routine	STACK 20%	SIP		25 Rdg => 20%		HEATING: CS LEAK CS LEAK	
1823080	OPEN	01/02/18 21:00	BATTERY 19	A15	U	Routine	STACK 20%	SIP		27 Rdg => 20%		HEATING: pusher side opacity during charge	
1822487	OPEN	01/02/18 00:00	BATTERY B	B35	U	Routine	STACK 20%	SIP		35 Rdg => 20%		HEATING: EXTENDED DECARB TIME	

FACILITY	INSPECTION TYPE	EVENT DESCRIPTION	DURATION	% OPERATING TIME	ROOT CAUSE / CA RESPONSE	ACTION DESCRIPTION
BATTERY 1	STACK MIA BRK	Missing Data from 1/1/2018 4:24:02 PM to 1/1/2018 4:30:02 PM	0.1		Communication Error	Missing 1 ten second reading. All other data present.
BATTERY 1	STACK MIA BRK	Missing Data from 1/10/2018 8:24:02 AM to 1/10/2018 8:36:02 AM	0.2		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 1/11/2018 8:24:02 AM to 1/11/2018 8:30:02 AM	0.1		Communication Error	Missing one ten second reading.
BATTERY 1	STACK MIA BRK	Missing Data from 1/14/2018 4:24:02 PM to 1/14/2018 4:30:02 PM	0.1		All Data Good	Did not calculate raw average. All data good
BATTERY 1	STACK MIA BRK	Missing Data from 1/15/2018 8:24:02 AM to 1/15/2018 8:30:02 AM	0.1		Communication Error	missing 1 teb second reading. All other data is present
BATTERY 1	STACK MIA BRK	Missing Data from 1/17/2018 4:24:02 PM to 1/17/2018 4:36:02 PM	0.2		Communication Error	Did not calculate raw average. All data present
BATTERY 1	STACK MIA BRK	Missing Data from 1/19/2018 8:24:02 AM to 1/19/2018 8:36:02 AM	0.2		All Data Good	Did not calculate raw average. All data present
BATTERY 1	STACK MIA BRK	Missing Data from 1/2/2018 8:24:02 AM to 1/2/2018 8:30:02 AM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY 1	STACK MIA BRK	Missing Data from 1/2/2018 9:06:02 PM to 1/2/2018 10:42:02 PM	1.6		Power Failure	Lost power from 2109 to 2236
BATTERY 1	STACK MIA BRK	Missing Data from 1/20/2018 12:24:02 AM to 1/20/2018 12:30:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 1/21/2018 8:12:02 PM to 1/21/2018 8:48:02 PM	0.6		Communication Error	Missing multiple ten second readings.
BATTERY 1	STACK MIA BRK	Missing Data from 1/22/2018 12:24:02 AM to 1/22/2018 12:30:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 1/22/2018 12:24:02 AM to 1/22/2018 12:30:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 1/22/2018 4:24:02 PM to 1/22/2018 4:36:02 PM	0.2		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 1/22/2018 8:24:02 AM to 1/22/2018 8:30:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 1/23/2018 4:24:02 PM to 1/23/2018 4:30:02 PM	0.1		Communication Error	MISSING ONE TEN SECOND READING
BATTERY 1	STACK MIA BRK	Missing Data from 1/25/2018 12:24:02 AM to 1/25/2018 12:30:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
BATTERY 1	STACK MIA BRK	Missing Data from 1/25/2018 4:24:02 PM to 1/25/2018 4:30:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING
BATTERY 1	STACK MIA BRK	Missing Data from 1/26/2018 8:24:02 AM to 1/26/2018 8:30:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
BATTERY 1	STACK MIA BRK	Missing Data from 1/27/2018 8:24:02 AM to 1/27/2018 8:30:02 AM	0.1		Communication Error	Missing one ten second reading.
BATTERY 1	STACK MIA BRK	Missing Data from 1/29/2018 8:24:02 AM to 1/29/2018 8:30:02 AM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY 1	STACK MIA BRK	Missing Data from 1/3/2018 11:54:02 PM to 1/4/2018 12:06:02 AM	0.2		All Data Good	Did not calculate raw average. All data present

BATTERY 1	STACK MIA BRK	Missing Data from 1/3/2018 12:24:02 AM to 1/3/2018 12:30:02 AM	0.1		Communication Error	Missing 1 ten second reading. All other data present.
BATTERY 1	STACK MIA BRK	Missing Data from 1/3/2018 4:24:02 PM to 1/3/2018 4:30:02 PM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY 1	STACK MIA BRK	Missing Data from 1/30/2018 4:24:02 PM to 1/30/2018 4:30:02 PM	0.1		All Data Good	Did not calculate raw average. All data present.
BATTERY 1	STACK MIA BRK	Missing Data from 1/30/2018 8:24:02 AM to 1/30/2018 8:36:02 AM	0.2		All Data Good	Did not calculate raw average. All data present.
BATTERY 1	STACK MIA BRK	Missing Data from 1/31/2018 12:24:02 AM to 1/31/2018 12:30:02 AM	0.1		Communication Error	Missing 1 ten second reading. All other data present.
BATTERY 1	STACK MIA BRK	Missing Data from 1/31/2018 4:24:02 PM to 1/31/2018 4:30:02 PM	0.1		All Data Good	Did not calculate raw average. All data present.
BATTERY 1	STACK MIA BRK	Missing Data from 1/4/2018 12:24:02 AM to 1/4/2018 12:36:02 AM	0.2		All Data Good	Did not calculate raw average. All data present
BATTERY 1	STACK MIA BRK	Missing Data from 1/4/2018 4:24:02 PM to 1/4/2018 4:30:02 PM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY 1	STACK MIA BRK	Missing Data from 1/6/2018 4:24:02 PM to 1/6/2018 4:30:02 PM	0.1		Communication Error	Missing one ten second reading.
BATTERY 1	STACK MIA BRK	Missing Data from 1/6/2018 8:24:02 AM to 1/6/2018 8:30:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 1/7/2018 4:24:02 PM to 1/7/2018 4:30:02 PM	0.1		Communication Error	Missing one ten second reading.
BATTERY 1	STACK MIA BRK	Missing Data from 1/9/2018 4:24:02 PM to 1/9/2018 4:30:02 PM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 1/9/2018 8:24:02 AM to 1/9/2018 8:30:02 AM	0.1		Communication Error	Missing one ten second reading.
BATTERY 1	STACK MIA BRK	Missing Data from 2/10/2018 4:24:02 PM to 2/10/2018 4:30:02 PM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY 1	STACK MIA BRK	Missing Data from 2/10/2018 8:24:02 AM to 2/10/2018 8:36:02 AM	0.2		All Data Good	Did not calculate raw average. All data present
BATTERY 1	STACK MIA BRK	Missing Data from 2/11/2018 12:24:02 AM to 2/11/2018 12:30:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 2/13/2018 4:24:02 PM to 2/13/2018 4:30:02 PM	0.1		Communication Error	Missing one ten second reading.
BATTERY 1	STACK MIA BRK	Missing Data from 2/14/2018 8:24:02 AM to 2/14/2018 8:30:02 AM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY 1	STACK MIA BRK	Missing Data from 2/16/2018 12:24:02 AM to 2/16/2018 12:30:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
BATTERY 1	STACK MIA BRK	Missing Data from 2/16/2018 4:24:02 PM to 2/16/2018 4:30:02 PM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
BATTERY 1	STACK MIA BRK	Missing Data from 2/17/2018 8:24:02 AM to 2/17/2018 8:30:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
BATTERY 1	STACK MIA BRK	Missing Data from 2/19/2018 8:24:02 AM to 2/19/2018 8:36:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING
BATTERY 1	STACK MIA BRK	Missing Data from 2/2/2018 4:24:02 PM to 2/2/2018 4:30:02 PM	0.1		Communication Error	Missing one ten second reading.

BATTERY 1	STACK MIA BRK	Missing Data from 2/2/2018 8:24:02 AM to 2/2/2018 8:30:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 2/21/2018 4:24:02 PM to 2/21/2018 4:36:02 PM	0.2		Communication Error	Missing one ten second reading.
BATTERY 1	STACK MIA BRK	Missing Data from 2/22/2018 8:24:02 AM to 2/22/2018 8:36:02 AM	0.2		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 2/24/2018 12:24:02 AM to 2/24/2018 12:30:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
BATTERY 1	STACK MIA BRK	Missing Data from 2/24/2018 4:24:02 PM to 2/24/2018 4:36:02 PM	0.2		All Data Good	All data present, didnt calculate raw 6 min average.
BATTERY 1	STACK MIA BRK	Missing Data from 2/24/2018 8:24:02 AM to 2/24/2018 8:30:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
BATTERY 1	STACK MIA BRK	Missing Data from 2/27/2018 4:24:02 PM to 2/27/2018 4:30:02 PM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY 1	STACK MIA BRK	Missing Data from 2/28/2018 8:24:02 AM to 2/28/2018 8:30:02 AM	0.1		Communication Error	Missing 1 ten second reading. All other data present
BATTERY 1	STACK MIA BRK	Missing Data from 2/28/2018 9:18:02 AM to 2/28/2018 9:54:02 AM	0.6		Quarterly Audit	Performed first quarter opcity audit
BATTERY 1	STACK MIA BRK	Missing Data from 2/3/2018 8:24:02 AM to 2/3/2018 8:30:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
BATTERY 1	STACK MIA BRK	Missing Data from 2/5/2018 4:24:02 PM to 2/5/2018 4:36:02 PM	0.2		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 2/6/2018 8:24:02 AM to 2/6/2018 8:36:02 AM	0.2		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 2/7/2018 4:24:02 PM to 2/7/2018 4:36:02 PM	0.2		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 2/8/2018 4:24:02 PM to 2/8/2018 4:30:02 PM	0.1		Communication Error	Missing one ten second reading.
BATTERY 1	STACK MIA BRK	Missing Data from 2/8/2018 8:24:02 AM to 2/8/2018 8:30:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 2/9/2018 4:24:02 PM to 2/9/2018 4:30:02 PM	0.1		Communication Error	Missing one ten second reading.
BATTERY 1	STACK MIA BRK	Missing Data from 2/9/2018 8:24:02 AM to 2/9/2018 8:30:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 3/1/2018 4:24:02 PM to 3/1/2018 4:36:02 PM	0.2		All Data Good	Did not calcuate raw average. All data present
BATTERY 1	STACK MIA BRK	Missing Data from 3/1/2018 5:30:02 PM to 3/1/2018 6:18:02 PM	0.8		Communication Error	I HISTORIAN SERVER LOCKED UP SNSTEMS REBOOTED SERVER
BATTERY 1	STACK MIA BRK	Missing Data from 3/10/2018 12:24:02 AM to 3/10/2018 12:30:02 AM	0.1		Communication Error	Missing one ten second reading.
BATTERY 1	STACK MIA BRK	Missing Data from 3/12/2018 4:24:02 PM to 3/12/2018 4:36:02 PM	0.2		All Data Good	Did not calculate raw average. All data present
BATTERY 1	STACK MIA BRK	Missing Data from 3/12/2018 8:24:02 AM to 3/12/2018 8:30:02 AM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY 1	STACK MIA BRK	Missing Data from 3/13/2018 4:24:02 PM to 3/13/2018 4:30:02 PM	0.1		Communication Error	Missing 1 ten second reading. All other data present

BATTERY 1	STACK MIA BRK	Missing Data from 3/13/2018 8:24:02 AM to 3/13/2018 8:30:02 AM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY 1	STACK MIA BRK	Missing Data from 3/16/2018 8:24:02 AM to 3/16/2018 8:30:02 AM	0.1		Communication Error	Missing one ten second reading.
BATTERY 1	STACK MIA BRK	Missing Data from 3/18/2018 8:24:02 AM to 3/18/2018 8:30:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 3/19/2018 8:24:02 AM to 3/19/2018 8:30:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
BATTERY 1	STACK MIA BRK	Missing Data from 3/19/2018 8:24:02 AM to 3/19/2018 8:30:02 AM	0.1		Communication Error	DUPLICATE CEDAR
BATTERY 1	STACK MIA BRK	Missing Data from 3/2/2018 4:24:02 PM to 3/2/2018 4:36:02 PM	0.2		All Data Good	Did not calculate raw average. All data present.
BATTERY 1	STACK MIA BRK	Missing Data from 3/2/2018 8:24:02 AM to 3/2/2018 8:30:02 AM	0.1		All Data Good	Did not calculate raw average. All data present.
BATTERY 1	STACK MIA BRK	Missing Data from 3/20/2018 4:24:02 PM to 3/20/2018 4:30:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING
BATTERY 1	STACK MIA BRK	Missing Data from 3/21/2018 4:24:02 PM to 3/21/2018 4:30:02 PM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 3/22/2018 8:24:02 AM to 3/22/2018 8:36:02 AM	0.2		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 3/23/2018 4:24:02 PM to 3/23/2018 4:30:02 PM	0.1		Communication Error	Missing one ten second reading.
BATTERY 1	STACK MIA BRK	Missing Data from 3/23/2018 8:24:02 AM to 3/23/2018 8:30:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 3/24/2018 4:24:02 PM to 3/24/2018 4:30:02 PM	0.1		Communication Error	Missing one ten second reading.
BATTERY 1	STACK MIA BRK	Missing Data from 3/25/2018 8:24:02 AM to 3/25/2018 8:30:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 3/26/2018 12:24:02 AM to 3/26/2018 12:30:02 AM	0.1		Communication Error	Missing 1 ten second reading. All other data present
BATTERY 1	STACK MIA BRK	Missing Data from 3/26/2018 4:24:02 PM to 3/26/2018 4:30:02 PM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY 1	STACK MIA BRK	Missing Data from 3/27/2018 8:24:02 AM to 3/27/2018 8:36:02 AM	0.2		All Data Good	Did not calculate raw average. All data present
BATTERY 1	STACK MIA BRK	Missing Data from 3/29/2018 8:24:02 AM to 3/29/2018 8:30:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
BATTERY 1	STACK MIA BRK	Missing Data from 3/3/2018 8:24:02 AM to 3/3/2018 8:30:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 3/5/2018 8:24:02 AM to 3/5/2018 8:36:02 AM	0.2		Communication Error	All data present, did not calculate raw average data.
BATTERY 1	STACK MIA BRK	Missing Data from 3/7/2018 4:24:02 PM to 3/7/2018 4:30:02 PM	0.1		Communication Error	Missing 1 ten second reading. All other data present
BATTERY 1	STACK MIA BRK	Missing Data from 3/7/2018 6:12:02 PM to 3/7/2018 6:24:02 PM	0.2		Communication Error	I history program locked up. Program was reset.
BATTERY 1	STACK MIA BRK	Missing Data from 3/8/2018 4:24:02 PM to 3/8/2018 4:30:02 PM	0.1		Communication Error	Missing one ten second reading.

			14.5	0.67%		
BATTERY 13	STACK MIA BRK	Missing Data from 1/1/2018 2:06:02 AM to 1/1/2018 2:12:02 AM	0.1		Communication Error	Missing 1 ten second reading. All other data present.
BATTERY 13	STACK MIA BRK	Missing Data from 1/21/2018 8:06:02 PM to 1/21/2018 8:54:02 PM	0.8		Communication Error	Missing multiple ten second readings.
BATTERY 13	STACK MIA BRK	Missing Data from 2/12/2018 2:06:02 AM to 2/12/2018 2:12:02 AM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY 13	STACK MIA BRK	Missing Data from 2/28/2018 10:42:02 AM to 2/28/2018 11:18:02 AM	0.6		Quarterly Audit	Performed first quarter opcity audit
BATTERY 13	STACK MIA BRK	Missing Data from 2/3/2018 2:06:02 AM to 2/3/2018 2:12:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
BATTERY 13	STACK MIA BRK	Missing Data from 2/9/2018 2:06:02 AM to 2/9/2018 2:12:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 13	STACK MIA BRK	Missing Data from 3/1/2018 5:42:02 PM to 3/1/2018 6:18:02 PM	0.6		Communication Error	I HISTORIAN SERVER LOCKED UP SNSTEMS REBOOTED SERVER
BATTERY 13	STACK MIA BRK	Missing Data from 3/11/2018 7:12:02 AM to 3/11/2018 8:12:02 AM	1.0		Communication Error	Due to day light savings time. PLC time was changed
BATTERY 13	STACK MIA BRK	Missing Data from 3/3/2018 2:06:02 AM to 3/3/2018 2:12:02 AM	0.1		Communication Error	Missing one ten second reading.
BATTERY 13	STACK MIA BRK	Missing Data from 3/7/2018 6:06:02 PM to 3/7/2018 6:18:02 PM	0.2		Communication Error	I history program locked up. Program was reset.
			3.7	0.17%		
BATTERY 14	STACK MIA BRK	Missing Data from 1/12/2018 2:06:02 AM to 1/12/2018 2:12:02 AM	0.1		Communication Error	One extra 10 second reading. Didnt calculate raw 6 min average.
BATTERY 14	STACK MIA BRK	Missing Data from 1/21/2018 8:00:03 PM to 1/21/2018 8:54:02 PM	0.9		Communication Error	Missing multiple ten second readings.
BATTERY 14	STACK MIA BRK	Missing Data from 1/23/2018 12:00:03 AM to 1/23/2018 12:06:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
BATTERY 14	STACK MIA BRK	Missing Data from 2/15/2018 10:00:03 AM to 2/15/2018 10:06:02 AM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY 14	STACK MIA BRK	Missing Data from 2/15/2018 10:00:03 AM to 2/15/2018 10:06:02 AM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY 14	STACK MIA BRK	Missing Data from 2/28/2018 11:18:02 AM to 2/28/2018 12:00:02 PM	0.7		Quarterly Audit	Performed first quarter opcity audit
BATTERY 14	STACK MIA BRK	Missing Data from 2/6/2018 2:06:02 AM to 2/6/2018 2:12:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 14	STACK MIA BRK	Missing Data from 2/9/2018 2:06:02 AM to 2/9/2018 2:12:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 14	STACK MIA BRK	Missing Data from 3/1/2018 5:36:02 PM to 3/1/2018 6:18:02 PM	0.7		Communication Error	I HISTORIAN SERVER LOCKED UP SNSTEMS REBOOTED SERVER
BATTERY 14	STACK MIA BRK	Missing Data from 3/11/2018 7:12:02 AM to 3/11/2018 8:12:02 AM	1.0		Communication Error	Due to day light savings time. PLC time was changed
BATTERY 14	STACK MIA BRK	Missing Data from 3/24/2018 2:06:02 AM to 3/24/2018 2:12:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 14	STACK MIA BRK	Missing Data from 3/25/2018 2:06:02 AM to 3/25/2018 2:12:02 AM	0.1		Communication Error	Missing one ten second reading.

BATTERY 14	STACK MIA BRK	Missing Data from 3/7/2018 6:00:03 PM to 3/7/2018 6:18:02 PM	0.3		Communication Error	I history program locked up. Program was reset.
			4.4	0.20%		
BATTERY 15	STACK MIA BRK	Missing Data from 1/21/2018 7:54:02 PM to 1/21/2018 8:48:02 PM	0.9		Communication Error	Missing multiple ten second readings.
BATTERY 15	STACK MIA BRK	Missing Data from 2/20/2018 1:36:02 PM to 2/20/2018 2:12:02 PM	0.6		Quarterly Audit	Performed 1st quarter opacity filter audit with achd.
BATTERY 15	STACK MIA BRK	Missing Data from 2/27/2018 2:06:02 AM to 2/27/2018 2:12:02 AM	0.1		Communication Error	Missing one 10 second reading. All other data present.
BATTERY 15	STACK MIA BRK	Missing Data from 2/6/2018 2:06:02 AM to 2/6/2018 2:12:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 15	STACK MIA BRK	Missing Data from 3/1/2018 5:30:02 PM to 3/1/2018 6:18:02 PM	0.8		Communication Error	I HISTORIAN SERVER LOCKED UP SNSTEMS REBOOTED SERVER
BATTERY 15	STACK MIA BRK	Missing Data from 3/11/2018 7:12:02 AM to 3/11/2018 8:12:02 AM	1.0		Communication Error	Due to day light savings time. PLC time was changed
BATTERY 15	STACK MIA BRK	Missing Data from 3/13/2018 11:24:02 AM to 3/13/2018 11:30:02 AM	0.1		Communication Error	One bad reading. All other data is present
BATTERY 15	STACK MIA BRK	Missing Data from 3/20/2018 2:06:02 AM to 3/20/2018 2:12:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
			3.7	0.17%		
BATTERY 19	STACK MIA BRK	Missing Data from 1/12/2018 2:06:02 AM to 1/12/2018 2:12:02 AM	0.1		Communication Error	One extra 10 second reading. Didnt calculate raw 6 min average.
BATTERY 19	STACK MIA BRK	Missing Data from 1/12/2018 4:24:02 PM to 1/12/2018 4:54:02 PM	0.5		Power Failure	Stack data link errors suggest power was lost to the Remote Unit.
BATTERY 19	STACK MIA BRK	Missing Data from 1/12/2018 8:54:02 AM to 1/12/2018 9:30:02 AM	0.6		Power Failure	Stack data link errors suggest power was lost to the Remote Unit.
BATTERY 19	STACK MIA BRK	Missing Data from 1/21/2018 2:06:02 AM to 1/21/2018 2:12:02 AM	0.1		Communication Error	Missing multiple ten second readings.
BATTERY 19	STACK MIA BRK	Missing Data from 1/21/2018 8:00:03 PM to 1/21/2018 8:54:02 PM	0.9		Communication Error	Missing multiple ten second readings.
BATTERY 19	STACK MIA BRK	Missing Data from 2/1/2018 5:30:02 PM to 2/1/2018 5:48:02 PM	0.3		All Data Good	Did not calculate raw average. All data is present
BATTERY 19	STACK MIA BRK	Missing Data from 2/11/2018 4:00:03 PM to 2/11/2018 4:36:02 PM	0.6		Power Failure	Power failure at 19-20 battery.
BATTERY 19	STACK MIA BRK	Missing Data from 2/11/2018 6:06:02 PM to 2/11/2018 10:54:02 PM	4.8		Power Failure	Power failure at 19-20 battery.
BATTERY 19	STACK MIA BRK	Missing Data from 2/12/2018 10:48:02 AM to 2/12/2018 11:12:02 AM	0.4		Power Failure	The cable group was replacing a cable which caused the missing data
BATTERY 19	STACK MIA BRK	Missing Data from 2/6/2018 2:06:02 AM to 2/6/2018 2:12:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 19	STACK MIA BRK	Missing Data from 2/9/2018 2:06:02 AM to 2/9/2018 2:12:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 19	STACK MIA BRK	Missing Data from 3/1/2018 5:42:02 PM to 3/1/2018 6:18:02 PM	0.6		Communication Error	I HISTORIAN SERVER LOCKED UP SNSTEMS REBOOTED SERVER
BATTERY 19	STACK MIA BRK	Missing Data from 3/1/2018 9:30:02 AM to 3/1/2018 10:12:02 AM	0.7		Quarterly Audit	Performed 1st quarter audit

BATTERY 19	STACK MIA BRK	Missing Data from 3/12/2018 6:06:02 AM to 3/12/2018 7:06:02 AM	1.0		Communication Error	Due to day light savings time. PLC time was changed
BATTERY 19	STACK MIA BRK	Missing Data from 3/21/2018 2:06:02 AM to 3/21/2018 2:12:02 AM	0.1		Communication Error	One extra ten second reading.
BATTERY 19	STACK MIA BRK	Missing Data from 3/22/2018 2:06:02 AM to 3/22/2018 9:00:02 AM	6.9		Communication Error	Missing 12 ten second readings due to plc time jumping back 24 hrs.
BATTERY 19	STACK MIA BRK	Missing Data from 3/24/2018 2:06:02 AM to 3/24/2018 2:12:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 19	STACK MIA BRK	Missing Data from 3/25/2018 2:06:02 AM to 3/25/2018 2:12:02 AM	0.1		Communication Error	Missing one ten second reading.
BATTERY 19	STACK MIA BRK	Missing Data from 3/7/2018 6:12:02 PM to 3/7/2018 6:24:02 PM	0.2		Communication Error	I history program locked up. Program was reset.
BATTERY 19	STACK MIA BRK	Missing Data from 3/8/2018 9:24:02 AM to 3/8/2018 10:00:02 AM	0.6		Communication Error	Missing 15 readings, PLC changed time, ER shop fixed.
			18.8	0.87%		
BATTERY 2	STACK MIA BRK	Missing Data from 1/1/2018 4:24:02 PM to 1/1/2018 4:36:02 PM	0.2		All Data Good	Did not calculate raw average. All data present
BATTERY 2	STACK MIA BRK	Missing Data from 1/1/2018 8:30:02 AM to 1/1/2018 8:36:02 AM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY 2	STACK MIA BRK	Missing Data from 1/20/2018 12:24:02 AM to 1/20/2018 12:36:02 AM	0.2		Communication Error	Missing one ten second reading.
BATTERY 2	STACK MIA BRK	Missing Data from 1/21/2018 12:24:02 AM to 1/21/2018 12:36:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING
BATTERY 2	STACK MIA BRK	Missing Data from 1/21/2018 8:06:02 PM to 1/21/2018 8:48:02 PM	0.7		Communication Error	Missing multiple ten second readings.
BATTERY 2	STACK MIA BRK	Missing Data from 1/25/2018 12:24:02 AM to 1/25/2018 12:36:02 AM	0.2		Communication Error	DID NOT CALCULATE RAW READING
BATTERY 2	STACK MIA BRK	Missing Data from 1/28/2018 4:24:02 PM to 1/28/2018 4:36:02 PM	0.2		All Data Good	Did not calculate raw average. All data present
BATTERY 2	STACK MIA BRK	Missing Data from 1/3/2018 11:54:02 PM to 1/4/2018 12:00:02 AM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY 2	STACK MIA BRK	Missing Data from 1/6/2018 4:24:02 PM to 1/6/2018 4:36:02 PM	0.2		Communication Error	All data present, did not calculate raw average data.
BATTERY 2	STACK MIA BRK	Missing Data from 2/11/2018 12:24:02 AM to 2/11/2018 12:36:02 AM	0.2		Communication Error	Missing one ten second reading.
BATTERY 2	STACK MIA BRK	Missing Data from 2/13/2018 8:30:02 AM to 2/13/2018 8:36:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 2	STACK MIA BRK	Missing Data from 2/14/2018 4:24:02 PM to 2/14/2018 4:36:02 PM	0.2		All Data Good	Did not calculate raw average. All data present
BATTERY 2	STACK MIA BRK	Missing Data from 2/23/2018 12:24:02 AM to 2/23/2018 12:36:02 AM	0.2		Communication Error	All data present, did not calculate raw average data.
BATTERY 2	STACK MIA BRK	Missing Data from 2/28/2018 9:54:02 AM to 2/28/2018 10:30:02 AM	0.6		Quarterly Audit	Performed first quarter opcity audit
BATTERY 2	STACK MIA BRK	Missing Data from 2/8/2018 4:24:02 PM to 2/8/2018 4:36:02 PM	0.2		Communication Error	All data present, did not calculate raw average data.

BATTERY 2	STACK MIA BRK	Missing Data from 3/1/2018 5:36:02 PM to 3/1/2018 6:18:02 PM	0.7		Communication Error	I HISTORIAN SERVER LOCKED UP SNSTEMS REBOOTED SERVER
BATTERY 2	STACK MIA BRK	Missing Data from 3/15/2018 12:24:02 AM to 3/15/2018 12:36:02 AM	0.2		All Data Good	Did not calculate raw average. All data present
BATTERY 2	STACK MIA BRK	Missing Data from 3/18/2018 4:24:02 PM to 3/18/2018 4:36:02 PM	0.2		Communication Error	All data present, did not calculate raw average data.
BATTERY 2	STACK MIA BRK	Missing Data from 3/21/2018 12:24:02 AM to 3/21/2018 12:36:02 AM	0.2		Communication Error	All data present, did not calculate raw average data.
BATTERY 2	STACK MIA BRK	Missing Data from 3/23/2018 4:24:02 PM to 3/23/2018 4:36:02 PM	0.2		Communication Error	All data present, did not calculate raw average data.
BATTERY 2	STACK MIA BRK	Missing Data from 3/24/2018 4:24:02 PM to 3/24/2018 4:36:02 PM	0.2		Communication Error	All data present, did not calculate raw average data.
BATTERY 2	STACK MIA BRK	Missing Data from 3/29/2018 4:24:02 PM to 3/29/2018 4:36:02 PM	0.2		Communication Error	DID NOT CALCULATE RAW READING
BATTERY 2	STACK MIA BRK	Missing Data from 3/7/2018 6:06:02 PM to 3/7/2018 6:24:02 PM	0.3		Communication Error	I history program locked up. Program was reset.
			5.8	0.27%		
BATTERY 20	STACK MIA BRK	Missing Data from 1/12/2018 2:06:02 AM to 1/12/2018 2:12:02 AM	0.1		Communication Error	One extra 10 second reading. Didnt calculate raw 6 min average.
BATTERY 20	STACK MIA BRK	Missing Data from 1/12/2018 4:24:02 PM to 1/12/2018 4:54:02 PM	0.5		Power Failure	Stack data link errors suggest power was lost to the Remote Unit.
BATTERY 20	STACK MIA BRK	Missing Data from 1/12/2018 8:54:02 AM to 1/12/2018 9:30:02 AM	0.6		Power Failure	Stack data link errors suggest power was lost to the Remote Unit.
BATTERY 20	STACK MIA BRK	Missing Data from 1/15/2018 2:06:02 AM to 1/15/2018 2:12:02 AM	0.1		All Data Good	Did not calculate raw average. All data is present
BATTERY 20	STACK MIA BRK	Missing Data from 1/21/2018 2:06:02 AM to 1/21/2018 2:12:02 AM	0.1		Communication Error	Missing multiple ten second readings.
BATTERY 20	STACK MIA BRK	Missing Data from 1/21/2018 7:54:02 PM to 1/21/2018 8:54:02 PM	1.0		Communication Error	Missing multiple ten second readings.
BATTERY 20	STACK MIA BRK	Missing Data from 2/1/2018 5:30:02 PM to 2/1/2018 5:48:02 PM	0.3		All Data Good	Did not calculate raw average. All data is present
BATTERY 20	STACK MIA BRK	Missing Data from 2/11/2018 4:00:03 PM to 2/11/2018 4:36:02 PM	0.6		Power Failure	Power failure at 19-20 battery.
BATTERY 20	STACK MIA BRK	Missing Data from 2/11/2018 6:06:02 PM to 2/11/2018 10:54:02 PM	4.8		Power Failure	Power failure at 19-20 battery.
BATTERY 20	STACK MIA BRK	Missing Data from 2/12/2018 10:48:02 AM to 2/12/2018 11:12:02 AM	0.4		Power Failure	The cable group was replacing a cable which caused the missing data
BATTERY 20	STACK MIA BRK	Missing Data from 2/15/2018 2:06:02 AM to 2/15/2018 2:12:02 AM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY 20	STACK MIA BRK	Missing Data from 2/18/2018 2:06:02 AM to 2/18/2018 2:12:02 AM	0.1		Communication Error	One extra 10 second reading, didnt calculate raw 6 min average.
BATTERY 20	STACK MIA BRK	Missing Data from 2/6/2018 2:06:02 AM to 2/6/2018 2:12:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 20	STACK MIA BRK	Missing Data from 2/9/2018 2:06:02 AM to 2/9/2018 2:12:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.

BATTERY 20	STACK MIA BRK	Missing Data from 3/1/2018 10:12:02 AM to 3/1/2018 10:42:02 AM	0.5		Quarterly Audit	Performed 1st quarter audit
BATTERY 20	STACK MIA BRK	Missing Data from 3/1/2018 5:30:02 PM to 3/1/2018 6:24:02 PM	0.9		Communication Error	I HISTORIAN SERVER LOCKED UP SNSTEMS REBOOTED SERVER
BATTERY 20	STACK MIA BRK	Missing Data from 3/12/2018 6:06:02 AM to 3/12/2018 7:06:02 AM	1.0		Communication Error	Due to day light savings time. PLC time was changed
BATTERY 20	STACK MIA BRK	Missing Data from 3/21/2018 2:06:02 AM to 3/21/2018 2:12:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 20	STACK MIA BRK	Missing Data from 3/24/2018 2:06:02 AM to 3/24/2018 2:12:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 20	STACK MIA BRK	Missing Data from 3/25/2018 2:06:02 AM to 3/25/2018 2:12:02 AM	0.1		Communication Error	Missing one ten second reading.
BATTERY 20	STACK MIA BRK	Missing Data from 3/27/2018 2:06:02 AM to 3/27/2018 2:12:02 AM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY 20	STACK MIA BRK	Missing Data from 3/3/2018 2:06:02 AM to 3/3/2018 2:12:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 20	STACK MIA BRK	Missing Data from 3/7/2018 6:06:02 PM to 3/7/2018 6:24:02 PM	0.3		Communication Error	I history program locked up. Program was reset.
			12.1	0.56%		
BATTERY 3	STACK MIA BRK	Missing Data from 1/21/2018 8:06:02 PM to 1/21/2018 8:48:02 PM	0.7		Communication Error	Missing multiple ten second readings.
BATTERY 3	STACK MIA BRK	Missing Data from 1/22/2018 11:54:02 PM to 1/23/2018 12:06:02 AM	0.2		Communication Error	All data present, did not calculate raw average data.
BATTERY 3	STACK MIA BRK	Missing Data from 2/22/2018 12:30:02 AM to 2/22/2018 12:36:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY 3	STACK MIA BRK	Missing Data from 3/1/2018 11:24:02 AM to 3/1/2018 12:00:02 PM	0.6		Quarterly Audit	Performed 1st quarter audit
BATTERY 3	STACK MIA BRK	Missing Data from 3/1/2018 5:42:02 PM to 3/1/2018 6:18:02 PM	0.6		Communication Error	I HISTORIAN SERVER LOCKED UP SNSTEMS REBOOTED SERVER
BATTERY 3	STACK MIA BRK	Missing Data from 3/7/2018 6:00:03 PM to 3/7/2018 6:24:02 PM	0.4		Communication Error	I history program locked up. Program was reset.
			2.6	0.12%		
BATTERY B	STACK MIA BRK	Missing Data from 1/10/2018 8:30:02 AM to 1/10/2018 8:36:02 AM	0.1		Communication Error	Missing one ten second reading.
BATTERY B	STACK MIA BRK	Missing Data from 1/14/2018 12:30:02 AM to 1/14/2018 12:36:02 AM	0.1		Communication Error	Missing 1 ten second reading. All other data present
BATTERY B	STACK MIA BRK	Missing Data from 1/14/2018 4:30:02 PM to 1/14/2018 4:36:02 PM	0.1		All Data Good	Did not calculate raw average. All data good
BATTERY B	STACK MIA BRK	Missing Data from 1/15/2018 8:30:02 AM to 1/15/2018 8:36:02 AM	0.1		Communication Error	missing 1 teb second reading. All other data is present
BATTERY B	STACK MIA BRK	Missing Data from 1/16/2018 4:30:02 PM to 1/16/2018 4:36:02 PM	0.1		Communication Error	Missing 1 ten second reading. All other data present
BATTERY B	STACK MIA BRK	Missing Data from 1/17/2018 4:30:02 PM to 1/17/2018 4:36:02 PM	0.1		Communication Error	Missing 1 ten second reading. All other data is present.
BATTERY B	STACK MIA BRK	Missing Data from 1/18/2018 4:30:02 PM to 1/18/2018 4:36:02 PM	0.1		Communication Error	missing 1 ten second reading. All other data points good.

BATTERY B	STACK MIA BRK	Missing Data from 1/19/2018 4:30:02 PM to 1/19/2018 4:36:02 PM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY B	STACK MIA BRK	Missing Data from 1/21/2018 8:06:02 PM to 1/21/2018 8:54:02 PM	0.8		Communication Error	Missing multiple ten second readings.
BATTERY B	STACK MIA BRK	Missing Data from 1/22/2018 4:30:02 PM to 1/22/2018 4:36:02 PM	0.1		Communication Error	Missing one ten second reading.
BATTERY B	STACK MIA BRK	Missing Data from 1/25/2018 4:30:02 PM to 1/25/2018 4:36:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING
BATTERY B	STACK MIA BRK	Missing Data from 1/26/2018 8:30:02 AM to 1/26/2018 8:36:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
BATTERY B	STACK MIA BRK	Missing Data from 1/31/2018 12:30:02 AM to 1/31/2018 12:36:02 AM	0.1		Communication Error	Missing 1 ten second reading. All other data present.
BATTERY B	STACK MIA BRK	Missing Data from 1/4/2018 12:30:02 AM to 1/4/2018 12:36:02 AM	0.1		Communication Error	Missing 1 ten second reading. All other data present
BATTERY B	STACK MIA BRK	Missing Data from 1/7/2018 4:30:02 PM to 1/7/2018 4:36:02 PM	0.1		Communication Error	Missing one ten second reading.
BATTERY B	STACK MIA BRK	Missing Data from 1/9/2018 12:30:02 AM to 1/9/2018 12:36:02 AM	0.1		Communication Error	Missing one ten second reading.
BATTERY B	STACK MIA BRK	Missing Data from 2/10/2018 4:30:02 PM to 2/10/2018 4:36:02 PM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY B	STACK MIA BRK	Missing Data from 2/11/2018 4:30:02 PM to 2/11/2018 4:36:02 PM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY B	STACK MIA BRK	Missing Data from 2/13/2018 12:30:02 AM to 2/13/2018 12:36:02 AM	0.1		Communication Error	Missing one ten second reading.
BATTERY B	STACK MIA BRK	Missing Data from 2/13/2018 4:30:02 PM to 2/13/2018 4:36:02 PM	0.1		Communication Error	Missing one ten second reading.
BATTERY B	STACK MIA BRK	Missing Data from 2/16/2018 12:30:02 AM to 2/16/2018 12:36:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
BATTERY B	STACK MIA BRK	Missing Data from 2/16/2018 4:30:02 PM to 2/16/2018 4:36:02 PM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
BATTERY B	STACK MIA BRK	Missing Data from 2/17/2018 8:30:02 AM to 2/17/2018 8:36:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
BATTERY B	STACK MIA BRK	Missing Data from 2/18/2018 4:30:02 PM to 2/18/2018 4:36:02 PM	0.1		Communication Error	MISSING ONE TEN SECOND READING
BATTERY B	STACK MIA BRK	Missing Data from 2/19/2018 12:30:02 AM to 2/19/2018 12:36:02 AM	0.1		Communication Error	HAD ONE EXTRA TEN SECOND READING
BATTERY B	STACK MIA BRK	Missing Data from 2/19/2018 8:30:02 AM to 2/19/2018 8:36:02 AM	0.1		Communication Error	MISSING ONE TEN SECOND READING
BATTERY B	STACK MIA BRK	Missing Data from 2/2/2018 4:30:02 PM to 2/2/2018 4:36:02 PM	0.1		Communication Error	Missing one ten second reading.
BATTERY B	STACK MIA BRK	Missing Data from 2/2/2018 8:30:02 AM to 2/2/2018 8:36:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY B	STACK MIA BRK	Missing Data from 2/20/2018 12:30:02 AM to 2/20/2018 12:36:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY B	STACK MIA BRK	Missing Data from 2/20/2018 12:48:02 PM to 2/20/2018 1:24:02 PM	0.6		Quarterly Audit	Performed 1st quarter opacity filter audit with achd.

BATTERY B	STACK MIA BRK	Missing Data from 2/20/2018 8:30:02 AM to 2/20/2018 8:36:02 AM	0.1		Communication Error	Missing one ten second reading.
BATTERY B	STACK MIA BRK	Missing Data from 2/21/2018 4:30:02 PM to 2/21/2018 4:36:02 PM	0.1		Communication Error	Missing one ten second reading.
BATTERY B	STACK MIA BRK	Missing Data from 2/21/2018 8:30:02 AM to 2/21/2018 8:36:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY B	STACK MIA BRK	Missing Data from 2/22/2018 8:30:02 AM to 2/22/2018 8:36:02 AM	0.1		Communication Error	Missing one ten second reading.
BATTERY B	STACK MIA BRK	Missing Data from 2/24/2018 12:30:02 AM to 2/24/2018 12:36:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
BATTERY B	STACK MIA BRK	Missing Data from 2/24/2018 8:30:02 AM to 2/24/2018 8:36:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
BATTERY B	STACK MIA BRK	Missing Data from 2/27/2018 12:30:02 AM to 2/27/2018 12:36:02 AM	0.1		Communication Error	Missing one 10 second reading. All other data present.
BATTERY B	STACK MIA BRK	Missing Data from 2/28/2018 8:30:02 AM to 2/28/2018 8:36:02 AM	0.1		Communication Error	Missing 1 ten second reading. All other data present
BATTERY B	STACK MIA BRK	Missing Data from 2/3/2018 8:30:02 AM to 2/3/2018 8:36:02 AM	0.1		All Data Good	All data present, didnt calculate raw 6 min average.
BATTERY B	STACK MIA BRK	Missing Data from 2/4/2018 12:30:02 AM to 2/4/2018 12:36:02 AM	0.1		Communication Error	Missing one 10 second reading, didnt calculate raw 6 min average.
BATTERY B	STACK MIA BRK	Missing Data from 2/5/2018 4:30:02 PM to 2/5/2018 4:36:02 PM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY B	STACK MIA BRK	Missing Data from 2/5/2018 8:30:02 AM to 2/5/2018 8:36:02 AM	0.1		Communication Error	Missing one ten second reading.
BATTERY B	STACK MIA BRK	Missing Data from 2/8/2018 8:30:02 AM to 2/8/2018 8:36:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY B	STACK MIA BRK	Missing Data from 3/1/2018 5:42:02 PM to 3/1/2018 6:24:02 PM	0.7		Communication Error	I HISTORIAN SERVER LOCKED UP SNSTEMS REBOOTED SERVER
BATTERY B	STACK MIA BRK	Missing Data from 3/11/2018 12:30:02 AM to 3/11/2018 12:36:02 AM	0.1		All Data Good	Did not calculate raw average. All data present.
BATTERY B	STACK MIA BRK	Missing Data from 3/11/2018 9:30:02 AM to 3/11/2018 9:36:02 AM	0.1		Communication Error	missing 1 ten second reading
BATTERY B	STACK MIA BRK	Missing Data from 3/12/2018 4:30:02 PM to 3/12/2018 4:36:02 PM	0.1		Communication Error	Missing 1 ten second reading. All other data present
BATTERY B	STACK MIA BRK	Missing Data from 3/12/2018 8:30:02 AM to 3/12/2018 8:36:02 AM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY B	STACK MIA BRK	Missing Data from 3/13/2018 4:30:02 PM to 3/13/2018 4:36:02 PM	0.1		Communication Error	Missing 1 ten second reading. All other data present
BATTERY B	STACK MIA BRK	Missing Data from 3/15/2018 4:30:02 PM to 3/15/2018 4:36:02 PM	0.1		All Data Good	Did not calculate raw average. All data present
BATTERY B	STACK MIA BRK	Missing Data from 3/16/2018 8:30:02 AM to 3/16/2018 8:36:02 AM	0.1		Communication Error	Missing one ten second reading.
BATTERY B	STACK MIA BRK	Missing Data from 3/18/2018 8:30:02 AM to 3/18/2018 8:36:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY B	STACK MIA BRK	Missing Data from 3/2/2018 8:30:02 AM to 3/2/2018 8:36:02 AM	0.1		All Data Good	Did not calculate raw average. All data present.

BATTERY B	STACK MIA BRK	Missing Data from 3/20/2018 4:30:02 PM to 3/20/2018 4:36:02 PM	0.1		Communication Error	DID NOT CALCULATE RAW READING
BATTERY B	STACK MIA BRK	Missing Data from 3/21/2018 4:30:02 PM to 3/21/2018 4:36:02 PM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY B	STACK MIA BRK	Missing Data from 3/23/2018 4:30:02 PM to 3/23/2018 4:36:02 PM	0.1		Communication Error	Missing one ten second reading.
BATTERY B	STACK MIA BRK	Missing Data from 3/23/2018 8:30:02 AM to 3/23/2018 8:36:02 AM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY B	STACK MIA BRK	Missing Data from 3/27/2018 8:30:02 AM to 3/27/2018 8:36:02 AM	0.1		Communication Error	Missing 1 ten second reading. All other data present.
BATTERY B	STACK MIA BRK	Missing Data from 3/28/2018 8:30:02 AM to 3/28/2018 8:36:02 AM	0.1		Communication Error	missing 1 ten second reading. All other data is present
BATTERY B	STACK MIA BRK	Missing Data from 3/29/2018 8:30:02 AM to 3/29/2018 8:36:02 AM	0.1		Communication Error	DID NOT CALCULATE RAW READING
BATTERY B	STACK MIA BRK	Missing Data from 3/4/2018 4:30:02 PM to 3/4/2018 4:36:02 PM	0.1		Communication Error	All data present, did not calculate raw average data.
BATTERY B	STACK MIA BRK	Missing Data from 3/4/2018 8:30:02 AM to 3/4/2018 8:36:02 AM	0.1		Communication Error	Missing one ten second reading.
BATTERY B	STACK MIA BRK	Missing Data from 3/7/2018 4:30:02 PM to 3/7/2018 4:36:02 PM	0.1		Communication Error	Missing 1 ten second reading. All other data present
BATTERY B	STACK MIA BRK	Missing Data from 3/7/2018 6:12:02 PM to 3/7/2018 6:24:02 PM	0.2		Communication Error	I history program locked up. Program was reset.
BATTERY B	STACK MIA BRK	Missing Data from 3/8/2018 4:30:02 PM to 3/8/2018 4:36:02 PM	0.1		Communication Error	Missing one ten second reading.
			8.4	0.39%		