United States Steel Corporation

Mon Valley Works

Clairton Plant

Title V Operating Permit No 0052

Annual Certification of Compliance

March 27, 2012 through December 31, 2012

Book 1 of 2

United States Steel
Mon Valley Works
PO Box 878
Dravosburg, PA 15034

Scott D. Buckiso
General Manager

March 27, 2013

Mr. James E. Thompson
Air Quality Program – ACHD
301 39th Street
Pittsburgh, PA 15201

SUBJECT: U. S. Steel Mon Valley Works Clairton Plant
Certification of Compliance
Title V Operating Permit #0052 General Condition III.12

Dear Mr. Thompson:

U. S. Steel Mon Valley Works Clairton Plant Title V Operating Permit #0052 General Condition III.12 requires an annual Certification of Compliance submittal. General Condition III.12 states that *"The permittee submit on an annual basis, certification of compliance with all terms and conditions contained in this permit, including emission limitations, standards, or work practices..."* This submission is for the reporting period covering March 27 through December 31, 2012.

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete. If you have any questions regarding this submission, please contact Coleen Davis at (412) 233-1015.

Sincerely,

Scott D. Buckiso
General Manager – Mon Valley Works

cc: EPA Region III

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
IV.1.a	Visible Emissions	§2104.01.a, b	Except as provided for by Article XXI §2108.01.d pertaining to a cold start of fuel burning or combustion equipment, the permittee shall not operate, or allow to be operated, any source in such manner that the opacity of visible emissions from a flue or process fugitive emissions from such source, excluding uncombined water:	Administrative Requirement	Y	C	
IV.1.a.1	Visible Emissions	§2104.01.a, b	Equal or exceed an opacity of 20% for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period; or,	Records Review	Y	C	
IV.1.a.2	Visible Emissions	§2104.01.a, b	Equal or exceed an opacity of 60% at any time.	Records Review	Y	C	
IV.1.b	Visible Emissions	§2104.01.a, b	Condition IV.1.a above shall not apply to coke ovens or a battery of coke ovens; incinerators; or visible emissions resulting from the cold start of fuel burning or combustion equipment, if such cold start has been reported as required by §2108.01.d.	Administrative Requirement	Y	C	
IV.2	Odor Emissions (*County-only enforceable*)	§2104.04	The permittee shall not operate, or allow to be operated, any source in such manner that emissions of malodorous matter from such source are perceptible beyond the property line.	Administrative Requirement	Y	C	
IV.3	Materials Handling	§2104.05	The permittee shall not conduct, or allow to be conducted, any materials handling operation in such manner that emissions from such operation are visible at or beyond the property line of the affected source.	Administrative Requirement	Y	C	
IV.4	Operation and Maintenance	§2105.03	All air pollution control equipment required by this permit or any order under Article XXI, and all equivalent compliance techniques approved by the Department, shall be properly installed, maintained, and operated consistently with good air pollution control practice.	Administrative Requirement	Y	C	
IV.5	Open Burning	§2105.50	No person shall conduct, or allow to be conducted, the open burning of any material, except where the Department has issued an Open Burning Permit to such person in accordance with Article XXI §2105.50 or where the open burning is conducted solely for the purpose of non-commercial preparation of food for human consumption, recreation, light, ornament, or provision of warmth for outside workers, and in a manner which contributes a negligible amount of air contaminants.	Administrative Requirement	Y	C	
IV.6.a	PM-10 Self Audit Emergency Action Plan	§2106.05	The permittee shall submit and maintain a PM-10 self audit emergency action plan, consistent with good industrial practice and safe operating procedures, designed to reduce emissions of air contaminants during high concentrations of particulate matter. This plan shall meet the requirements of Condition c below, and shall be consistent with any further guidance developed by the Department in the administration Article XXI §2106.05.	Report Submission	Y	C	
IV.6.b	PM-10 Self Audit Emergency Action Plan	§2106.05	The Plan required by Condition a above shall be in writing and shall specify the system of monitoring particulate matter, the size or sizes of particulate matter that are being monitored, at least three levels of alert stages, and the actions that will be taken by the permittee at each alert stage.	Administrative Requirement	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
IV.6.c	PM-10 Self Audit Emergency Action Plan	§2106.05	The Plan shall specify at least three phases of actions, and identify the levels that activate these phases. The goal of the first phase of action shall be to provide for the assurance of proper operation of all units. The goal of the second phase of action shall be to provide reduction of emissions of air contaminants by modifying, ceasing, curtailing, deferring or postponing production and allied operations. The goal of the third phase of action shall be to provide substantial reduction to emissions of air contaminants by modifying, ceasing, curtailing, deferring, or postponing production and allied operations. Curtailment shall be obtained without causing injury to persons or substantial damage to equipment.	Administrative Requirement	Y	C	
IV.6.d	PM-10 Self Audit Emergency Action Plan	§2106.05	This plan shall be kept on site and made available to the Department upon request.	Administrative Requirement	Y	C	
IV.6.e	PM-10 Self Audit Emergency Action Plan	§2106.05	If the Plan, as required by Condition a, is not acceptable to the Department, the Department shall issue an order directing the permittee to modify and resubmit the plan within 30 days after receiving notice. The order shall specify the reason or reasons for disapproval and shall specify the changes or additions necessary to make the plan acceptable to the Department. In the event that the permittee fails to resubmit a plan or fails to resubmit a plan in accordance with the changes or additions recommended by the Department, the Department, in addition to any other remedies available to it under this Article, shall have the authority to issue an order to that person detailing the procedures for an early warning system and emergency plan.	Administrative Requirement	Y	C	
IV.6.f	PM-10 Self Audit Emergency Action Plan	§2106.05	The permittee shall advise the Department in writing of any changes affecting the technical content or the implementation of the plan within 30 days of their occurrence. Such submittals shall be processed according to the procedures described in Subsection c above.	Administrative Requirement	Y	C	
IV.7.a	Shutdown of Control Equipment	§2108.01.b	In the event any air pollution control equipment is shut down for reasons other than a breakdown, the person responsible for such equipment shall report, in writing, to the Department the intent to shut down such equipment at least 24 hours prior to the planned shutdown. Notwithstanding the submission of such report, the equipment shall not be shut down until the approval of the Department is obtained; provided, however, that no such report shall be required if the source(s) served by such air pollution control equipment is also shut down at all times that such equipment is shut down.	Report Submission	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
IV.7.b	Shutdown of Control Equipment	§2108.01.b	The Department shall act on all requested shutdowns as promptly as possible. If the Department does not take action on such requests within ten (10) calendar days of receipt of the notice, the request shall be deemed denied, and upon request, the owner or operator of the affected source shall have a right to appeal in accordance with the provisions of Article XI.	Administrative Requirement	Y	C	
IV.7.c	Shutdown of Control Equipment	§2108.01.b	The prior report required by Site Level Condition IV.7.a above shall include:	Administrative Requirement	Y	C	
IV.7.c.1	Shutdown of Control Equipment	§2108.01.b	Identification of the specific equipment to be shut down, its location and permit number (if permitted), together with an identification of the source(s) affected;	Records Review	Y	C	
IV.7.c.2	Shutdown of Control Equipment	§2108.01.b	The reasons for the shutdown;	Records Review	Y	C	
IV.7.c.3	Shutdown of Control Equipment	§2108.01.b	The expected length of time that the equipment will be out of service;	Records Review	Y	C	
IV.7.c.4	Shutdown of Control Equipment	§2108.01.b	Identification of the nature and quantity of emissions likely to occur during the shutdown;	Records Review	Y	C	
IV.7.c.5	Shutdown of Control Equipment	§2108.01.b	Measures, including extra labor and equipment, which will be taken to minimize the length of the shutdown, the amount of air contaminants emitted, or the ambient effects of the emissions;	Records Review	Y	C	
IV.7.c.6	Shutdown of Control Equipment	§2108.01.b	Measures which will be taken to shut down or curtail the affected source(s) or the reasons why it is impossible or impracticable to shut down or curtail the affected source(s) during the shutdown; and	Records Review	Y	C	
IV.7.c.7	Shutdown of Control Equipment	§2108.01.b	Such other information as may be required by the Department.	Administrative Requirement	Y	C	
IV.8.a	Breakdowns	§2108.01.c	In the event that any air pollution control equipment, process equipment, or other source of air contaminants breaks down in such manner as to have a substantial likelihood of causing the emission of air contaminants in violation of this permit, or of causing the emission into the open air of potentially toxic or hazardous materials, the person responsible for such equipment or source shall immediately, but in no event later than sixty (60) minutes after the commencement of the breakdown, notify the Department of such breakdown and shall, as expeditiously as possible but in no event later than seven (7) days after the original notification, provide written notice to the Department.	Report Submission	Y	C	
IV.8.b	Breakdowns	§2108.01.c	To the maximum extent possible, all oral and written notices required shall include all pertinent facts, including:	Administrative Requirement	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
IV.8.b.1	Breakdowns	§2108.01.c	Identification of the specific equipment which has broken down, its location and permit number (if permitted), together with an identification of all related devices, equipment, and other sources which will be affected.	Records Review	Y	C	
IV.8.b.2	Breakdowns	§2108.01.c	The nature and probable cause of the breakdown.	Records Review	Y	C	
IV.8.b.3	Breakdowns	§2108.01.c	The expected length of time that the equipment will be inoperable or that the emissions will continue.	Records Review	Y	C	
IV.8.b.4	Breakdowns	§2108.01.c	Identification of the specific material(s) which are being, or are likely to be emitted, together with a statement concerning its toxic qualities, including its qualities as an irritant, and its potential for causing illness, disability, or mortality.	Records Review	Y	C	
IV.8.b.5	Breakdowns	§2108.01.c	The estimated quantity of each material being or likely to be emitted.	Records Review	Y	C	
IV.8.b.6	Breakdowns	§2108.01.c	Measures, including extra labor and equipment, taken or to be taken to minimize the length of the breakdown, the amount of air contaminants emitted, or the ambient effects of the emissions, together with an implementation schedule.	Records Review	Y	C	
IV.8.b.7	Breakdowns	§2108.01.c	Measures being taken to shut down or curtail the affected source(s) or the reasons why it is impossible or impractical to shut down the source(s), or any part thereof, during the breakdown.	Records Review	Y	C	
IV.8.c	Breakdowns	§2108.01.c	Notices required shall be updated, in writing, as needed to advise the Department of changes in the information contained therein. In addition, any changes concerning potentially toxic or hazardous emissions shall be reported immediately. All additional information requested by the Department shall be submitted as expeditiously as practicable.	Records Review	Y	C	
IV.8.d	Breakdowns	§2108.01.c	Unless otherwise directed by the Department, the Department shall be notified whenever the condition causing the breakdown is corrected or the equipment or other source is placed back in operation by no later than 9:00 AM on the next County business day. Within seven (7) days thereafter, written notice shall be submitted pursuant to Conditions a and b above.	Report Submission	Y	C	
IV.8.e	Breakdowns	§2108.01.c	Breakdown reporting shall not apply to breakdowns of air pollution control equipment which occur during the initial startup of said equipment, provided that emissions resulting from the breakdown are of the same nature and quantity as the emissions occurring prior to startup of the air pollution control equipment.	Administrative Requirement	Y	C	
IV.8.f	Breakdowns	§2108.01.c	In no case shall the reporting of a breakdown prevent prosecution for any violation of this permit or Article XXI.	Administrative Requirement	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
IV.9	Cold Start	§2108.01.d	In the event of a cold start on any fuel burning or combustion equipment, except stationary internal combustion engines and combustion turbines used by utilities to meet peak load demands, the person responsible for such equipment shall report in writing to the Department the intent to perform such cold start at least 24 hours prior to the planned cold start. Such report shall identify the equipment and fuel(s) involved and shall include the expected time and duration of the startup. Upon written application from the person responsible for fuel-burning or combustion equipment which is routinely used to meet peak load demands and which is shown by experience not to be excessively emissive during a cold start, the Department may waive these requirements and may instead require periodic reports listing all cold starts which occured during the report period. The Department shall make such a waiver in writing, specifying such terms and conditions are appropriate to achieve purposes of Article XXI. Such waiver may be terminated by the Department at any time by written notice to applicant.	Report Submission	Y	C	Waiver granted; reports submitted as requried
IV.10	Monitoring of Malodorous Matter Beyond Facility Boundaries (County-Only Enforceable)	§2104.04	The permittee shall take all reasonable action as may be necessary to prevent malodorous matter from becoming perceptible beyond facility boundaries. Further, the permittee shall perform such observations as may be deemed necessary along facility boundaries to insure that malodorous matter beyond the facility boundary in accordance with Article XXI §2107.13 is not perceptible and record all findings and corrective action measures taken.	Administrative Requirement	Y	C	
IV.11	Orders	§2108.01.f	In addition to meeting the requirements of General Condition III.28 and III.29, and Site Level Conditions IV.7 through IV.9, inclusive, the person responsible for any source shall, upon order by the Department, report to the Department such information as the Department may require in order to assess the actual and potential contribution of the source to air quality. The order shall specify a reasonable time in which to make such a report.	Report Submission	Y	C	
IV.12	Violations	§2108.01.g	The failure to submit any report or update thereof required by General Condition III.28 and Site Level Conditions IV.7 through IV.11 above, inclusive, within the time specified, the knowing submission of false information, or the willful failure to submit a complete report shall be a violation of this permit giving rise to the remedies provided by Article XXI §2109.02.	Administrative Requirement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
IV.13.a	Emissions Testing	§2108.02	On or before December 31, 1981, and at two-year intervals thereafter, any person who operates, or allows to be operated, any piece of equipment or process which has an allowable emission rate, of 100 or more tons per year of particulate matter, sulfur oxides or volatile organic compounds shall conduct, or cause to be conducted, for such equipment or process such emissions tests as are necessary to demonstrate compliance with the applicable emission limitations) of this permit and shall submit the results of such tests to the Department in writing. Emissions testing conducted pursuant to this section shall comply with all applicable requirements of Article XXI §2108.02.	Report Submission	Y	C	
IV.13.b	Emissions Testing	§2108.02	Orders. In addition to meeting the requirements of Site Level Condition IV.13.a above, the person responsible for any source shall, upon order by the Department, conduct, or cause to be conducted, such emissions tests as specified by the Department within such reasonable time as is specified by the Department. Test results shall be submitted in writing to the Department within 20 days after completion of the tests, unless a different period is specified in the Department's order. Emissions testing shall comply with all applicable requirements of Article XXI §2108.02.e.	Report Submission	Y	C	
IV.13.c	Emissions Testing	§2108.02	Tests by the Department. Notwithstanding any tests conducted pursuant to Site Level Conditions IV.13.a and IV.13.b above, the Department or another entity designated by the Department may conduct emissions testing on any source or air pollution control equipment. At the request of the Department, the person responsible for such source or equipment shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance of such tests.	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
IV.13.d	Emissions Testing	§2108.02	Testing Requirements. No later than 45 days prior to conducting any tests required by this permit, the person responsible for the affected source shall submit for the Department's approval a written test protocol explaining the intended testing plan, including any deviations from standard testing procedures, the proposed operating conditions of the source during the test, calibration data for specific test equipment and a demonstration that the tests will be conducted under the direct supervision of persons qualified by training and experience satisfactory to the Department to conduct such tests. In addition, at least 30 days prior to conducting such tests, the person responsible shall notify the Department in writing of the time(s) and date(s) on which the tests will be conducted and shall allow Department personnel to observe such tests, record data, provide pre-weighed filters, analyze samples in a County laboratory and to take samples for independent analysis. Test results shall be comprehensively and accurately reported in the units of measurement specified by the applicable emission limitations of this permit.	Report Submission	Y	C	
IV.13.e	Emissions Testing	§2108.02	Test methods and procedures shall conform to the applicable reference method set forth in this permit or Article XXI Part G, or where those methods are not applicable, to an alternative sampling and testing procedure approved by the Department consistent with Article XXI §2108.02.e.2.	Administrative Requirement	Y	C	
IV.13.f	Emissions Testing	§2108.02	Violations. The failure to perform tests as required by this permit or an order of the Department, the failure to submit test results within the time specified, the knowing submission of false information, the willful failure to submit complete results, or the refusal to allow the Department, upon presentation of a search warrant, to conduct tests, shall be a violation of this permit giving rise to the remedies provided by Article XXI §2109.02.	Administrative Requirement	Y	C	
IV.14	Asbestos Abatement *County-only Enforceable*	§2105.62, §2105.63	In the event of removal, encasement, or encapsulation of Asbestos-Containing Material (ACM) at a facility or in the event of the demolition of any facility, the permittee shall comply with all applicable provisions of Article XXI §2105.62 and §2105.63.	Administrative Requirement	Y	C	
IV.15	National Emission Standard for Asbestos	40 CFR§61.145 and §61.150	In the event of demolition or renovation of asbestos, the permittee shall also comply with all applicable provisions of 40 CFR §61.145 and 40 CFR §61.150.	Administrative Requirement	Y	C	
IV.16.a	Protection of Stratospheric Ozone	40 CFR Part 82	Permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:	Administrative Requirement	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
IV.16.a.1	Protection of Stratospheric Ozone	40 CFR Part 82	All containers in which a Class I or Class II substance is stored or transported, all products containing a Class I substance, and all products directly manufactured with a process that uses a Class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to §82.106;	Records Review	Y	C	
IV.16.a.2	Protection of Stratospheric Ozone	40 CFR Part 82	The placement of the required warning statement must comply with the requirements pursuant to §82.108;	Records Review	Y	C	
IV.16.a.3	Protection of Stratospheric Ozone	40 CFR Part 82	The form of the label bearing the required warning statement must comply with the requirements pursuant to §82.110; and	Records Review	Y	C	
IV.16.a.4	Protection of Stratospheric Ozone	40 CFR Part 82	No person may modify, remove or interfere with the required warning statement except as described in §82.112.	Records Review	Y	C	
IV.16.b	Protection of Stratospheric Ozone	40 CFR Part 82	Permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F:	Administrative Requirement	Y	C	
IV.16.b.1	Protection of Stratospheric Ozone	40 CFR Part 82	Persons opening appliances for maintenance, service, repair or disposal must comply with the prohibitions and required practices pursuant to §82.154 and §82.156;	Records Review	Y	C	
IV.16.b.2	Protection of Stratospheric Ozone	40 CFR Part 82	Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158;	Records Review	Y	C	
IV.16.b.3	Protection of Stratospheric Ozone	40 CFR Part 82	Persons maintaining, servicing, repairing or disposing of appliances, must be certified by an approved technician certification program pursuant to §82.161;	Records Review	Y	C	
IV.16.b.4	Protection of Stratospheric Ozone	40 CFR Part 82	Persons maintaining, servicing, repairing or disposing of appliances must certify to the Administrator of the U.S. Environmental Protection Agency pursuant to §82.162;	Records Review	Y	C	
IV.16.b.5	Protection of Stratospheric Ozone	40 CFR Part 82	Persons disposing of small appliances, motor vehicle air conditioners (MVAC) and MVAC-like appliances, must comply with the record keeping requirements pursuant to §82.166;	Records Review	Y	C	
IV.16.b.6	Protection of Stratospheric Ozone	40 CFR Part 82	Owners of commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.156; and	Records Review	Y	C	
IV.16.b.7	Protection of Stratospheric Ozone	40 CFR Part 82	Owners or operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.	Records Review	Y	C	
IV.16.c	Protection of Stratospheric Ozone	40 CFR Part 82	If the permittee manufactures, transforms, destroys, imports or exports a Class I or Class II substance, the Permittee is subject to all the requirements as specified in 40 CFR Part 82, Subpart A (Production and Consumption Controls).	Administrative Requirement	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
IV.16.d	Protection of Stratospheric Ozone	40 CFR Part 82	If the permittee performs a service on a motor vehicle that involves an ozone-depleting substance, refrigerant or regulated substitute substance in the MVAC, the Permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B (Servicing of Motor Vehicle Air Conditioners).	Administrative Requirement	Y	C	
IV.16.e	Protection of Stratospheric Ozone	40 CFR Part 82	The permittee may switch from any ozone-depleting substance to any alternative that is listed as acceptable in the Significant New Alternatives Policy (SNAP) program promulgated pursuant to 40 CFR Part 82, Subpart G.	Administrative Requirement	Y	C	
IV.17	Volatile Organic Compound Storage Tanks	§2105.12.a	No person shall place or store, or allow to be placed or stored, a volatile organic compound having a vapor pressure of 1.5 psia or greater under actual storage conditions in any aboveground stationary storage tank having a capacity equal to or greater than 2,000 gallons but less than or equal to 40,000 gallons, unless there is in operation on such tank pressure relief valves which are set to release at the higher of 0.7 psig of pressure or 0.3 psig of vacuum or at the highest possible pressure and vacuum in accordance with State or local fire codes, National Fire Prevention Association guidelines, or other national consensus standard approved in writing by the Department. Petroleum liquid storage vessels that are used to store produced crude oil and condensate prior to lease custody transfer are exempt from these requirements.	Administrative Requirement	Y	C	
IV.18.a	Permit Source Premises	§2105.40	General. No person shall operate, or allow to be operated, any source for which a permit is required by Article XXI Part C in such manner that emissions from any open land, roadway, haul road, yard, or other premises located upon the source or from any material being transported within such source or from any source-owned access road, haul road, or parking lot over five (5) parking spaces:	Administrative Requirement	Y	C	
IV.18.a.1	Permit Source Premises	§2105.40	Are visible at or beyond the property line of such source;	Records Review	Y	C	
IV.18.a.2	Permit Source Premises	§2105.40	Have an opacity of 20% or more for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period; or	Records Review	Y	C	
IV.18.a.3	Permit Source Premises	§2105.40	Have an opacity of 60% or more at any time.	Records Review	Y	C	
IV.18.b	Permit Source Premises	§2105.40	Deposition on Other Premises. Visible emissions from any solid or liquid material that has been deposited by any means from a source onto any other premises shall be considered emissions from such source within the meaning of Site Level Condition IV.18.a above.	Records Review	Y	C	
IV.19.a	Parking Lots and Roadways	§2105.42	The permittee shall not maintain for use, or allow to be used, any parking lot over 50 parking spaces or used by more than 50 vehicles in any day or any other roadway carrying more than 100 vehicles in any day or 15 vehicles in any hour in such manner that emissions from such parking lot or roadway:	Records Review	Y	C	

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IV.19.a.7	Parking Lots and Roadways	§2105.42	Are visible at or beyond the property line;	Records Review	Y	C	
IV.19.a.8	Parking Lots and Roadways	§2105.42	Have an opacity of 20% or more for a period or periods aggregating more than three (3) minutes in any 60 minute period; or	Records Review	Y	C	
IV.19.a.9	Parking Lots and Roadways	§2105.42	Have an opacity of 60% or more at any time.	Records Review	Y	C	
IV.19.b	Parking Lots and Roadways	§2105.42	Visible emissions from any solid or liquid material that has been deposited by any means from a parking lot or roadway onto any other premises shall be considered emissions from such parking lot or roadway.	Administrative Requirement	Y	C	
IV.19.c	Parking Lots and Roadways	§2105.42	Site Level Condition IV.19.a above shall apply during any repairs or maintenance done to such parking lot or roadway.	Administrative Requirement	Y	C	
IV.19.d	Parking Lots and Roadways	§2105.42	Notwithstanding any other provision of this permit, the prohibitions of Site Level Condition IV.19 may be enforced by any municipal or local government unit having jurisdiction over the place where such parking lots or roadways are located. Such enforcement shall be in accordance with the laws governing such municipal or local government unit. In addition, the Department may pursue the remedies provided by Article XXI §2109.02 for any violations of Site Level Condition IV.19.	Administrative Requirement	Y	C	
IV.20.a	Permit Source Transport	§2105.43	No person shall transport, or allow to be transported, any solid or liquid material outside the boundary line of any source for which a permit is required by Article XXI Part C in such manner that there is any visible emission, leak, spill, or other escape of such material during transport.	Administrative Requirement	Y	C	
IV.20.b	Permit Source Transport	§2105.43	Notwithstanding any other provision of this permit, the prohibitions of Site Level Condition IV.20 may be enforced by any municipal or local government unit having jurisdiction over the place where such visible emission, leak, spill, or other escape of material during transport occurs. Such enforcement shall be in accordance with the laws governing such municipal or local government unit. In addition, the Department may pursue the remedies provided by Article XXI §2109.02 for any violation of Site Level Condition IV.20.	Administrative Requirement	Y	C	
IV.21.a	Construction and Land Clearing	§2105.45	No person shall conduct, or allow to be conducted, any construction or land clearing activities in such manner that the opacity of emissions from such activities:	Administrative Requirement	Y	C	
IV.21.a.1	Construction and Land Clearing	§2105.45	Equal or exceed 20% for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period; or	Records Review	Y	C	
IV.21.a.2	Construction and Land Clearing	§2105.45	Equal or exceed 60% at any time.	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
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IV.21.b	Construction and Land Clearing	§2105.45	Notwithstanding any other provision of this permit, the prohibitions of Site Level Condition IV.21 may be enforced by any municipal or local government unit having jurisdiction over the place where such construction or land clearing activities occur. Such enforcement shall be in accordance with the laws governing such municipal or local government unit. In addition, the Department may pursue the remedies provided by Article XXI §2109.02 for any violations of Site Level Condition IV.21.	Administrative Requirement	Y	C	
IV.22	Mining	§2105.46	No person shall conduct, or allow to be conducted, any mining activities in such manner that emissions from such activities:	Administrative Requirement	Y	C	
IV.22.a	Mining	§2105.46	Are visible at or beyond the property line;	Records Review	Y	C	
IV.22.b	Mining	§2105.46	Have an opacity of 20% or more for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period; or,	Records Review	Y	C	
IV.22.c	Mining	§2105.46	Have an opacity of 60% or more at any time.	Records Review	Y	C	
IV.23.a	Demolition	§2105.47	No person shall conduct, or allow to be conducted, any demolition activities in such manner that the opacity of the emissions from such activities equal or exceed 20% for a period or periods aggregating more than three (3) minutes in any 60 minute period.	Records Review	Y	C	
IV.23.b	Demolition	§2105.47	Notwithstanding any other provisions of this permit, the prohibitions of Site Level Condition IV.23 may be enforced by any municipal or local government unit having jurisdiction over the place where such demolition activities occur. Such enforcement shall be in accordance with the laws governing such municipal or local government unit. In addition, the Department may pursue the remedies provided by Article XXI §2109.02 for any violations of Site Level Condition IV.23.	Administrative Requirement	Y	C	
IV.24	Fugitive Emissions	§2105.49	The person responsible for a source of fugitive emissions, in addition to complying with all other applicable provisions of this permit shall take all reasonable actions to prevent fugitive air contaminants from becoming airborne. Such actions may include, but are not limited to:	Administrative Requirement	Y	C	
IV.24.a	Fugitive Emissions	§2105.49	The use of asphalt, oil, water, or suitable chemicals for dust control;	Records Review	Y	C	
IV.24.b	Fugitive Emissions	§2105.49	The paving and maintenance of roadways, parking lots and the like;	Records Review	Y	C	
IV.24.c	Fugitive Emissions	§2105.49	The prompt removal of earth or other material which has been deposited by leaks from transport, erosion or other means;	Records Review	Y	C	
IV.24.d	Fugitive Emissions	§2105.49	The adoption of work or other practices to minimize emissions;	Records Review	Y	C	
IV.24.e	Fugitive Emissions	§2105.49	Enclosure of the source; and	Records Review	Y	C	
IV.24.f	Fugitive Emissions	§2105.49	The proper hooding, venting, and collection of fugitive emissions.	Records Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
IV.25	Episode Plans	§2106.02	The permittee shall upon written request of the Department, submit a source curtailment plan, consistent with good industrial practice and safe operating procedures, designed to reduce emissions of air contaminants during air pollution episodes. Such plans shall meet the requirements of Article XXI §2106.02.	Report Submission	Y	C	
IV.26.a	New Source Performance Standards	§2105.05	It shall be a violation of this permit giving rise to the remedies provided by §2109.02 of Article XXI for any person to operate, or allow to be operated, any source in a manner that does not comply with all requirements of any applicable NSPS now or hereafter established by the EPA, except if such person has obtained from EPA a waiver pursuant to Section 111 or Section 129 of the Clean Air Act or is otherwise lawfully temporarily relieved of the duty to comply with such requirements.	Administrative Requirement	Y	C	
IV.26.b	New Source Performance Standards	§2105.05	Any person who operates, or allows to be operated, any source subject to any NSPS shall conduct, or cause to be conducted, such tests, measurements, monitoring and the like as is required by such standard. All notices, reports, test results and the like as are required by such standard shall be submitted to the Department in the manner and time specified by such standard. All information, data and the like which is required to be maintained by such standard shall be made available to the Department upon request for inspection and copying.	Administrative Requirement	Y	C	
IV.27.a	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	The permittee shall prepare and submit to the Department a written emission control work practice plan for each coke oven battery. The plan shall be designed to achieve compliance with visible emission limitations for coke oven doors, topside port lids, offtake systems, and charging operations in V.A.1.j below V.C.1.i, V.E.1.j, and V.G.1.i below. [§2103.12.h.6; §63.306(a)]	Report Submission	Y	C	
IV.27.a.1	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	The work practice plan must address each of the topics specified in Condition IV.27.b below in sufficient detail and with sufficient specificity to allow the Department to evaluate the plan for completeness and enforceability.	Records Review	Y	C	
IV.27.a.2	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	The Department may require revisions to the initial plan only where the Department finds either that the plan does not address each subject area listed in Condition IV.27.b below for each emission point subject to a visible emission standard under Condition V.A.1.j below, or that the plan is unenforceable because it contains requirements that are unclear.	Administrative Requirement	Y	C	
IV.27.a.3	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	During any period of time that the permittee is required to implement the provisions of a plan for a particular emission point, the failure to implement one or more obligations under the plan and/or any recordkeeping requirement(s) under Condition V.A.4.a.2) below for the emission point during a particular day is a single violation.	Administrative Requirement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
IV.27.b	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	The permittee shall organize the work practice plan to indicate clearly which parts of the plan pertain to each emission point subject to visible emission standards under 40 CFR Part 63 Subpart L. Each of the following provisions, at a minimum, shall be addressed in the plan: [§2103.12.h.6; §63.306(b)]	Administrative Requirement	Y	C	
IV.27.b.1	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	An initial and refresher training program for all coke plant operating personnel with responsibilities that impact emissions, including contractors, in job requirements related to emission control and the requirements of 40 CFR 63, Subpart L, including work practice requirements. Contractors with responsibilities that impact emission control may be trained by the permittee or by qualified contractor personnel; however, the permittee shall ensure that the contractor training program complies with the requirements of Condition IV.27.b above. The training program in the plan must include [§2103.12.h.6; §63.306(b)(1)]:	Administrative Requirement	Y	C	
IV.27.b.1.a	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	A list, by job title, of all personnel that are required to be trained and the emission point(s) associated with each job title;	Records Review	Y	C	
IV.27.b.1.b	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	An outline of the subjects to be covered in the initial and refresher training for each group of personnel;	Records Review	Y	C	
IV.27.b.1.c	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	A description of the training method(s) that will be used (e.g., lecture, video tape);	Records Review	Y	C	
IV.27.b.1.d	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	A statement of the duration of initial training and the duration and frequency of refresher training;	Records Review	Y	C	
IV.27.b.1.e	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	A description of the methods to be used at the completion of initial or refresher training to demonstrate and document successful completion of the initial and refresher training; and	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
IV.27.b.1.f	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	A description of the procedure to be used to document performance of plan requirements pertaining to daily operation of the coke oven battery and its emission control equipment, including a copy of the form to be used, if applicable, as required under the plan provisions implementing Condition IV.27.b.6) below.	Records Review	Y	C	
IV.27.b.2	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for controlling emissions from coke oven doors, including [§2103.12.h.6.; §63.306(b)(2)]:	Administrative Requirement	Y	C	
IV.27.b.2.a	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	A program for the inspection, adjustment, repair, and replacement of coke oven doors and jambs, and any other equipment for controlling emissions from coke oven doors, including a defined frequency of inspections, the method to be used to evaluate conformance with operating specifications for each type of equipment, and the method to be used to audit the effectiveness of the inspection and repair program for preventing exceedances;	Records Review	Y	C	
IV.27.b.2.b	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for identifying leaks that indicate a failure of the emissions control equipment to function properly, including a clearly defined chain of command for communicating information on leaks and procedures for corrective action;	Records Review	Y	C	
IV.27.b.2.c	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for cleaning all sealing surfaces of each door and jamb, including identification of the equipment that will be used and a specified schedule or frequency for the cleaning of sealing surfaces;	Records Review	Y	C	
IV.27.b.2.d	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	For batteries equipped with self-sealing doors, procedures for use of supplemental gasketing and luting materials, if the permittee elects to use such procedures as part of the program to prevent exceedances;	Records Review	Y	C	
IV.27.b.2.e	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	For batteries equipped with hand-luted doors, procedures for luting and reluting, as necessary to prevent exceedances;	Records Review	Y	C	
IV.27.b.2.f	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for maintaining an adequate inventory of the number of spare coke oven doors and jambs located onsite; and	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
IV.27.b.2.g	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for monitoring and controlling collecting main back pressure, including corrective action if pressure control problems occur.	Records Review	Y	C	
IV.27.b.3	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for controlling emissions from charging operations, including [§2103.12.h.6.; §63.306(b)(3)]:	Administrative Requirement	Y	C	
IV.27.b.3.a	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for equipment inspection, including the frequency of inspections, and replacement or repair of equipment for controlling emissions from charging, the method to be used to evaluate conformance with operating specifications for each type of equipment, and the method to be used to audit the effectiveness of the inspection and repair program for preventing exceedances;	Records Review	Y	C	
IV.27.b.3.b	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for ensuring that the larry car hoppers are filled properly with coal;	Records Review	Y	C	
IV.27.b.3.c	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for the alignment of the larry car over the oven to be charged;	Records Review	Y	C	
IV.27.b.3.d	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for filling the oven (e.g., procedures for staged or sequential charging);	Records Review	Y	C	
IV.27.b.3.e	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for ensuring that the coal is leveled properly in the oven; and	Records Review	Y	C	
IV.27.b.3.f	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures and schedules for inspection and cleaning of offtake systems (including standpipes, standpipe caps, goosenecks, dampers, and mains), oven roofs, charging holes, topside port lids, the steam supply system, and liquor sprays.	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
IV.27.b.4	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for controlling emissions from topside port lids, including [§2103.12.h.6.; §63.306(b)(4)];	Administrative Requirement	Y	C	
IV.27.b.4.a	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for equipment inspection and replacement or repair of topside port lids and port lid mating and sealing surfaces, including the frequency of inspections, the method to be used to evaluate conformance with operating specifications for each type of equipment, and the method to be used to audit the effectiveness of the inspection and repair program for preventing exceedances; and	Records Review	Y	C	
IV.27.b.4.b	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for sealing topside port lids after charging, for identifying topside port lids that leak, and procedures for resealing.	Records Review	Y	C	
IV.27.b.5	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for controlling emissions from offtake system(s) on by-product coke oven batteries, including [§2103.12.h.6.; §63.306(b)(5)];	Administrative Requirement	Y	C	
IV.27.b.5.a	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for equipment inspection and replacement or repair of offtake system components, including the frequency of inspections, the method to be used to evaluate conformance with operating specifications for each type of equipment, and the method to be used to audit the effectiveness of the inspection and repair program for preventing exceedances;	Records Review	Y	C	
IV.27.b.5.b	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for identifying offtake system components that leak and procedures for sealing leaks that are detected; and	Records Review	Y	C	
IV.27.b.5.c	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for dampering off ovens prior to a push.	Records Review	Y	C	
IV.27.b.6	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for maintaining, for each emission point subject to visible emission limitations in Condition V.A.1.j below, a daily record of the performance of plan requirements pertaining to the daily operation of the coke oven battery and its emission control equipment, including [§2103.12.h.6.; §63.306(b)(7)];	Administrative Requirement	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
IV.27.b.6.a	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for recording the performance of such plan requirements; and	Records Review	Y	C	
IV.27.b.6.b	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Procedures for certifying the accuracy of such records by the permittee.	Records Review	Y	C	
IV.27.b.7	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Any additional work practices or requirements specified by the Department according to Condition IV.27.d below [§2103.12.h.6.; §63.306(b)(8)].	Records Review	Y	C	
IV.27.c	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	The permittee shall implement the provisions of the coke oven emission control work practice plan according to the following requirements: [§2103.12.h.6.; §63.306(c)]	Administrative Requirement	Y	C	
IV.27.c.1	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Implement the provisions of the work practice plan pertaining to a particular emission point following the second independent exceedance of the visible emission limitation for the emission point in any consecutive 6-month period, by no later than 3 days after receipt of written notification of the second such exceedance from the certified observer. For the purpose of this Condition IV.27.c.1), the second exceedance is "independent" if either of the following criteria are met [§2103.12.h.6.; §63.306(c)(1)(i)]:	Records Review	Y	C	
IV.27.c.1.a	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	The second exceedance occurs 30 days or more after the first exceedance;	Records Review	Y	C	
IV.27.c.1.b	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	In the case of coke oven doors, topside port lids, and offtake systems, the 29-run average, calculated by excluding the highest value in the 30-day period, exceeds the value of the applicable emission limitation; or	Records Review	Y	C	
IV.27.c.1.c	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	In the case of charging emissions, the 29-day logarithmic average, calculated in accordance with Method 303 in Appendix A to 40 CFR Part 63 by excluding the valid daily set of observations in the 30-day period that had the highest arithmetic average, exceeds the value of the applicable emission limitation.	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
IV.27.c.2	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	Continue to implement such plan provisions until the visible emission limitation for the emission point is achieved for 90 consecutive days if work practice requirements are implemented pursuant to Condition IV.27.c.1) above. After the visible emission limitation for a particular emission point is achieved for 90 consecutive days, any exceedances prior to the beginning of the 90 days are not included in making a determination under Condition IV.27.c.1) above [§2103.12.h.6.; §63.306(c)(1)(ii)].	Records Review	Y	C	
IV.27.d	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	The permittee may be required to revise the work practice emission control plan according to the following provisions [§2103.12.h.6.; §63.306(d)]:	Administrative Requirement	Y	C	
IV.27.d.1	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	The Department may request the permittee to review and revise as needed the work practice emission control plan for a particular emission point if there are 2 exceedances of the applicable visible emission limitation in the 6-month period that starts 30 days after the permittee is required to implement work practices under Condition IV.27.c above. In the case of a coke oven battery subject to visual emission limitations under 40 CFR Part 63, Subpart L, the second exceedance must be independent under the criteria in Condition IV.27.c.1) above. [§2103.12.h.6; §63.306(d)(1)]	Records Review	Y	C	
IV.27.d.2	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	The Department may not request the permittee to review and revise the plan more than twice in any 12 consecutive month period for any particular emission point unless the Department disapproves the plan according to the provisions in Condition IV.27.d.6) below. [§2103.12.h.6; §63.306(d)(2)]	Administrative Requirement	Y	C	
IV.27.d.3	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	If the certified observer calculates that a second exceedance (or, if applicable, a second independent exceedance) has occurred, the certified observer shall notify the permittee. No later than 10 days after receipt of such a notification, the permittee shall notify the Department of any finding of whether work practices are related to the cause or the solution of the problem. This notification is subject to review by the Department according to the provisions in Condition IV.27.d.6) below. [§2103.12.h.6; §63.306(d)(3)]	Administrative Requirement	Y	C	
IV.27.d.4	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	The permittee shall submit a revised work practice plan within 60 days of notification from the Department under IV.27.d.1) above, unless the Department grants an extension of time to submit the revised plan. [§2103.12.h.6; §63.306(d)(4)]	Report Submission	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
IV.27.d.5	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	If the Department requires a plan revision, the Department may require the plan to address a subject area or areas in addition to those in Condition IV.27.b above, if the Department determines that without plan coverage of such an additional subject area, there is a reasonable probability of further exceedances of the visible emission limitation for the emission point for which a plan revision is required. [§2103.12.h.6; §63.306(d)(5)]	Administrative Requirement	Y	C	
IV.27.d.6	Work Practice Plan Requirements for 40 CFR Part 63 Subpart L	40 CFR Part 63 Subpart L	The Department may disapprove a plan revision required under Condition IV.27.d above if the Department determines that the revised plan is inadequate to prevent exceedances of the visible emission limitation in V.A.1.j below for the emission point for which a plan revision is required or, in the case of a battery not subject to visual emission limitations under this subpart, other federally enforceable emission limitations for such emission point. The Department may also disapprove the finding that may be submitted pursuant to Condition IV.27.d.3) above if the Department determines that a revised plan is needed to prevent exceedances of the applicable visible emission limitations. [§2103.12.h.6; §63.306(d)(6)]	Administrative Requirement	Y	C	
IV.28.a	NOx Budget Trading Program		Clairton boilers B001 and B002 are NOx Budget units as defined in 25 Pa. Code §145.2. The permittee shall meet the requirements of the PA NOx Budget Trading Program (25 PA Code §145 Subchapter A) for non-EGUs.	Administrative Requirement	Y	C	
IV.28.b	NOx Budget Trading Program		The permittee shall meet the monitoring and reporting requirements of 40CFR Part 96, Subpart HHHH (relating to monitoring and reporting) and shall maintain general accounts and account representatives in accordance with 40 CFR Part 96, Subparts BBBB and FFFF (relating to CAIR designated representative for CAIR NOx ozone season sources and CAIR NOx ozone season allowance tracking system)	Records Review	Y	C	
IV.28.c	NOx Budget Trading Program		Upon request the permittee shall provide a copy of all reports provided to the PADEP required by Condition IV.28.b above	Report Submission	Y	C	
IV.29	Consent Order and Agreement		Until terminated, the following Consent Decree and Consent Orders and Agreements and subsequent amendments and revisions that apply to U.S. Steel Clairton, are hereby incorporated by reference into this permit:	Administrative Requirement	Y	C	
IV.29.1	Consent Order and Agreement		*Second Consent Decree, Civil Actions Nos. 79-709, 91-329, December 11, 1992.*	Administrative Requirement	Y	C	
IV.29.2	Consent Order and Agreement		*Consent Order and Agreement (COA), Third Ammendment, July 6, 2011.*	Administrative Requirement	Y	C	
IV.29.3	Consent Order and Agreement		*Enforcement Order No. 161 Upon Consent, July 23, 1990, Section 202.E.*	Administrative Requirement	Y	C	
IV.29.4	Consent Order and Agreement		*Enforcement Order No. 200 Upon Consent, November 18, 1999.*	Administrative Requirement	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
IV.29.5	Consent Order and Agreement		*Enforcement Order and Agreement Upon Consent Number 234, Reasonably Available Control Technology (RACT), January 2, 1997.*	Administrative Requirement	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.A.1.a	Restrictions	2103.12.h.6; 63.307(a)(1)	The permittee shall install, operate and maintain a bypass/bleeder stack flare system in each battery that is capable of controlling 120 percent of the normal gas flow generated by each battery, which shall thereafter be operated and maintained.	Process Knowledge & Physical Inspection	Y	C	
V.A.1.b	Restrictions	§2103.12.h.6.; §63.307(a)(2)	Coke oven emissions shall not be vented to the atmosphere through bypass/bleeder stacks, except through the flare system, or the alternative control device as described in V.A.1.c below.	Process Knowledge & Physical Inspection	Y	C	
V.A.1.c	Restrictions	§2103.12.h.6; §63.307(d)	As an alternative to the installation, operation, and maintenance of a flare system as required in Conditions V.A.1.a above and V.A.1.b above, the owner or operator may petition the Administrator and the Department for approval of an alternative control device or system that achieves at least 98 percent destruction or control of coke oven emissions vented to the alternative control device or system.	Administrative Requirement	Y	C	
V.A.1.d	Restrictions	§2103.12.h.6; §63.307(b)(1)	The emergency bypass/bleeder stack flare system for each battery shall be designed for a net heating value of 240 Btu per standard cubic feet (Btu/scf).	Engineering Judgement	Y	C	
V.A.1.e	Restrictions	§2103.12.h.6.; §63.307(b)(2); §63.307(b)(4) and §63.309(h)(2)	Each flare shall have a continuously operable pilot flame that is present at all times as determined by a thermocouple or any other equivalent device.	Process Knowledge & Physical Inspection	Y	C	
V.A.1.f	Restrictions	§2105.21.b.5	The permittee shall not operate, or allow to be operated, coke oven batteries 1, 2 or 3 unless there is installed big plug doors on the coke side of each oven. A big plug door is a door that, when installed, contains a plug with minimum dimensions of 18-1/4" minimum width and 14-1/2" minimum depth.	Process Knowledge & Physical Inspection	Y	C	**The compliance certification contained in this submittal is based on the understanding that big plug doors meet the specified dimensions when intially installed except that portion of the plug located in the tunnel head above the design coal line. The plugs may experience inconsequential dimentional changes over time in te course of normal operation.**
V.A.1.g	Restrictions	§2103.12.h.6; §63.310(a)	At all times including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain the coke oven batteries and the pollution control equipment required under 40 CFR Part 63, Subpart L, in a manner consistent with good air pollution control practices for minimizing emissions to the levels required by any applicable performance standards under Subpart L. Failure to adhere to these requirements shall not constitute a separate violation if a violation of an applicable performance or work practice standard has also occurred.	Record Review	Y	C	
V.A.1.h	Restrictions	§2105.21.h; §2105.21.h.4	The permittee shall not operate, or allow to be operated, any source in such manner that unburned coke oven gas is emitted into the open air. In addition, the permittee shall not flare, mix, or combust coke oven gas, or allow such gas to be flared, mixed or combusted unless the concentration of sulfur compounds, measured as hydrogen sulfide, in such gas is less than or equal to 40 grains per hundred dry standard cubic feet of coke oven gas produced by Clairton Works, when all sulfur emissions from the Claus Sulfur Recovery Plant and the tail gas cleaning equipment thereon, expressed as equivalent H2S are added to the measured H2S. The concentration of sulfur compounds specified shall include the tail-gas sulfur, measured as hydrogen sulfide, emitted from sulfur removal equipment.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.A.1.i	Restrictions	§2103.12.h.6.; §63.307(c) and §63.309(h)(1)	Each flare installed to meet the requirements of Conditions V.A.1.a through V.A.1.e above shall be operated with no visible emissions, as determined by Method 22 in Appendix A of 40 CFR Part 60, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.	Direct Measurement & Record Review	Y	C	
V.A.1.j	Restrictions	§2103.12.h.6.; §63.304(b)(2)(ii)(iv); §63.304(b)(3)(ii)	The permittee shall not cause to be discharged or allow to be discharged to the atmosphere coke oven emissions that exceed any of the following emission limitations:	Administrative Requirement	Y	C	
V.A.1.j.1	Restrictions	§2103.12.h.6.; §63.304(b)(2)(ii)(iv); §63.304(b)(3)(ii)	3.3 percent leaking coke oven doors as determined by the procedures in Condition V.A.3.d.1) below;	Direct Measurement & Record Review	Y	C	
V.A.1.j.2	Restrictions	§2103.12.h.6.; §63.304(b)(2)(ii)(iv); §63.304(b)(3)(ii)	0.4 percent leaking topside port lids, as determined by the procedures in Condition V.A.3.d.1) below;	Direct Measurement & Record Review	Y	C	
V.A.1.ij3	Restrictions	§2103.12.h.6.; §63.304(b)(2)(ii)(iv); §63.304(b)(3)(ii)	2.5 percent leaking offtake system(s), as determined by the procedures in Condition V.A.3.d.1) below; and	Direct Measurement & Record Review	Y	C	
V.A.1.j.4	Restrictions	§2103.12.h.6.; §63.304(b)(2)(ii)(iv); §63.304(b)(3)(ii)	12 seconds of visible emissions per charge, as determined by the procedures in Condition V.A.3.d.2) below.	Direct Measurement & Record Review	Y	C	
V.A.1.k	Restrictions	§2103.12.h.6; §63.306(c)(1)(i)	The permittee shall implement the provisions of the work practice plan required by Condition IV.27 above following the second independent exceedance of the visible emission limitation for the emission point in any consecutive 6-month period, by no later than 3 days after receipt of written notification of the second such exceedance from the certified observer.	Record Review	Y	C	
V.A.1.l	Restrictions	§2105.21.a.2	The permittee shall not operate, or allow to be operated any battery of coke ovens in such manner that the aggregate of visible charging emissions exceeds a total of 75 seconds during any four (4) consecutive charges on such battery.	Direct Measurement & Record Review	Y	C	
V.A.1.m	Restrictions	§2105.21	The permittee shall not operate, or allow to be operated Coke Oven Batteries 1, 2 or 3 in such manner that emissions from the door areas of any coke oven exceed an opacity of 40% at any time 15 or more minutes after such oven has been charged.	Direct Measurement & Record Review	Y	C	
V.A.1.n	Restrictions	§2105.21.b.3.A, B & C	The permittee shall not operate, or allow to be operated Coke Oven Batteries 1, 2 or 3 in such manner that, at any time, there are visible emissions from more than eight percent (8%) of the door areas of the operating coke ovens in such battery, excluding the two door areas of the last oven charged and any door areas obstructed from view.	Direct Measurement & Record Review	Y	C	
V.A.1.o	Restrictions	§2105.21.c.2	The permittee shall not operate, or allow to be operated Coke Oven Batteries 1, 2 or 3 in such manner that, at any time, there are visible emissions from more than two percent (2%) of the charging ports or charging port seals on the operating coke ovens of such battery.	Direct Measurement & Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.A.1.p	Restrictions	§2105.21.d.2	The permittee shall not operate, or allow to be operated Coke Oven Batteries 1, 2 or 3 in such manner that, at any time, there are visible emissions from more than five percent (5%) of the offtake piping on the operating coke ovens of such battery.	Direct Measurement & Record Review	Y	C	
V.A.1.q	Restrictions	§2105.21.e.5	The permittee shall not operate, or allow to be operated Coke Oven Batteries 1, 2 or 3 in such manner that visible emissions from the transport of hot coke in the open atmosphere exceed ten percent (10%) opacity at any time.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013. USS is complying with the existing CO&A regarding Battery 1 travel opacity requirements
V.A.1.r	Restrictions	§2105.21.f.2	The permittee shall not operate, or allow to be operated, Coke Oven Batteries 1, 2 or 3 in such manner that, at any time, emissions from the combustion stack serving such battery exceed a particulate concentration of 0.030 grains per dry standard cubic foot.	Direct Measurement & Record Review	Y	C	
V.A.1.s	Restrictions	§2105.21.f.3&4	The permittee shall not operate, or allow to be operated, Coke Oven Batteries 1, 2 or 3 in such manner that, at any time, emissions from the combustion stack serving each battery equal or exceed an opacity of 20% for a period or periods aggregating in exceed an opacity of 60% at any time.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013. USS is complying with the existing CO&A regarding Battery 1 stack opacity requirements
V.A.1.t	Restrictions	§2103.12.h.6.; §63.7296(a) and (b)	The permittee shall not discharge to the atmosphere any emissions from any battery stack that exhibit an opacity greater than the following applicable limits:	Administrative Requirement	Y	C	
V.A.1.t.1	Restrictions	§2103.12.h.6.; §63.7296(a) and (b)	Daily average of 15 percent opacity for a battery on a normal coking cycle.	Direct Measurement & Record Review	Y	C	
V.A.1.t.2	Restrictions	§2103.12.h.6.; §63.7296(a) and (b)	Daily average of 20 percent opacity for a battery on batterywide extended coking.	Direct Measurement & Record Review	Y	C	
V.A.1.u	Restrictions	§2103.12.h.6; §63.7326(d)	The permittee shall submit a notification of compliance status containing the results of the COMS performance test for battery stacks within 30 calendar days following the completion of the compliance demonstration. For each particulate matter emission limitation that applies to you, the permittee shall submit a notification of compliance status containing the results of the performance test within 60 calendar days following completion of the performance test according to §63.10(d).	Record Review	Y	C	
V.A.1.v	Restrictions	§2105.21.f.2; §2105.21.h.4; §2103.12.e; §2101.11.b & c.	Emissions from each combustion stack for Coke Batteries No. 1, No. 2 or No. 3 shall not exceed the emission limitations in Table V-A-1.	Administrative Requirement	Y	C	
V.A.1.v.1	Restrictions		**POLLUTANT HOURLY LIMIT (lb/hr) ANNUAL LIMIT**				
V.A.1.v.1	Restrictions		PM 14.47 63.38		Y	C	
V.A.1.v.1	Restrictions		PM-10 14.47 63.38		Y	C	
V.A.1.v.1	Restrictions		PM 2.5 14.47 63.38		Y	C	
V.A.1.v.1	Restrictions		SO2 31.8 139.46		Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.A.1.v.1	Restrictions		A year is defined as any consecutive 12-month period.				

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.A.2.a	Testing	§2103.12.h.1; §2108.02.e; Second Consent Decree 6/24/93	The permittee shall have PM, $PM_{2.5}$ and PM_{10} particulate emissions stack tests performed on each combustion stack of Coke Batteries 1, 2 and 3 at least once every four (4) years to demonstrate compliance with the mass emission standard in Condition V.A.1.r above . Particulate emission tests shall be conducted according to the methodology specified in 40 CFR 60, Appendix A, Methods 1 through 5, 201A and 202 (or other method specified). The permittee shall submit a stack test protocol to the Department for approval at least 45 days prior to the test dates. During each stack test performed, simultaneous visible emission evaluations shall be conducted according to the methodology specified in 40 CFR 60, Appendix A, Method 9, except for the provisions of Section 2.5 of Method 9.	Record Review	Y	C	
V.A.2.b	Testing	§2108.02.b. & .e	The permittee shall have sulfur dioxide (SO_2) emissions stack tests performed on each combustion stack of Coke Batteries 1, 2 and 3 at least once every two years to demonstrate compliance with the mass emission limitations for each combustion stack in Condition V.A.1.v above. SO2 emission tests shall be conducted according to Method 6, 6A, 6B, or 6C specified in 40 CFR 60, Appendix A. The permittee shall submit a stack test protocol to the Department for approval at least 45 days prior to the test dates. [§2108.02.b. & .e]	Record Review	Y	C	
V.A.2.c	Testing	§2103.12.h.1; §2108.02.b; §2108.02.e	The permittee shall perform emissions testing and evaluations for NO_x on each combustion stack of Coke Batteries 1, 2 and 3 to develop emission factors that can be applied to quantify NO_x emissions. This evaluation shall include stack testing, an analysis of B Battery CEM data, and an evaluation of gas combustion and operating variables that affect NO_x. Testing for NO_x shall be conducted at least once every two years in accordance with approved EPA Methods in Appendix A of 40 CFR Part 60, Article XXI §2108.02, and as approved by the Department. Reports of stack testing results shall be submitted to the Department within 90 days of the date of the stack test. The evaluation report shall be made available to the Department upon request and at permit renewal.	Record Review	Y	C	
V.A.2.d	Testing	§2103.12.h.1; §2108.02.b; §2108.02.e	The permittee shall perform emissions tests and evaluations for CO and VOC on each combustion stack of Coke Batteries 1, 2 and 3 to develop emission factors that can be applied to quantify CO & VOC emissions. Testing for CO and VOC shall be conducted in accordance with approved EPA Methods in Appendix A of 40 CFR Part 60, Article XXI §2108.02, and as approved by the Department. Reports of the stack testing results shall be submitted to the Department within 90 days of the date of the stack test. The evaluation report shall be made available to the Department upon request and at permit renewal.	Record Review	Y	C	
V.A.2.e	Testing	§2103.12.h.1	The Department reserves the right to require additional emissions testing sufficient to assure compliance with the terms and conditions of this permit. Such testing shall be performed in accordance with Site Level Condition IV.13 above and Article XXI §2108.02.	Administrative Requirement	Y	C	
V.A.3.a	Monitoring		The permittee shall:	Administrative Requirement			
V.A.3.a.1	Monitoring	§2103.12.h.6.; §2103.12.i; §63.308(a)	Inspect the collecting main for leaks at least once daily according to the procedures in Method 303 in 40 CFR Part 63, Appendix A;	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.A.3.a.2	Monitoring	§2103.12.h.6.; §63.308(b)	Record the time and date a leak in the collecting main is first observed, the time and date the leak is temporarily sealed, and the time and date of repair;	Record Review	Y	C	
V.A.3.a.3	Monitoring	§2103.12.h.6.; §2103.12.i; §63.308(c)	Temporarily seal any leak in the collecting main as soon as possible after detection, but no later than 4 hours after detection of the leak; and	Record Review	Y	C	
V.A.3.a.4	Monitoring	§2103.12.h.6; §63.308(d)	Initiate a collecting main repair as expeditiously as possible, but no later than 5 calendar days after initial detection of the leak. The repair shall be completed within 15 calendar days after initial detection of the leak unless an alternative schedule is approved by the Department.	Record Review	Y	C	
V.A.3.b	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(a)	Except as otherwise provided, a daily performance test shall be conducted each day, 7 days per week for each coke oven battery, the results of which shall be used in accordance with procedures in Conditions V.A.3.c below through V.A.3.f below to determine compliance with each of the applicable visible emission limitations for coke oven doors, topside port lids, offtake systems, and charging operations.	Record Review	Y	C	
V.A.3.b.1	Monitoring		Each performance test is to be conducted according to the procedures and requirements in Method 303 in Appendix A to 40 CFR Part 63 or Methods 9 and 22 in Appendix A to 40 CFR Part 60 (where applicable).	Record Review	Y	C	
V.A.3.b.2	Monitoring		Each performance test is to be conducted by a certified observer.	Record Review	Y	C	
V.A.3.b.3	Monitoring		The certified observer shall complete any reasonable safety training program offered by the permittee prior to conducting any performance test at a coke oven battery.	Record Review	Y	C	
V.A.3.b.4	Monitoring		Except as otherwise provided in §63.309(a)(5), the permittee shall pay an inspection fee to the Department each calendar quarter, as specified in §63.309(a)(4), to defray the costs of the daily performance tests required in Condition V.A.3.b above.	Record Review	Y	C	
V.A.3.b.5	Monitoring		If a facility pushes and charges only at night, then that facility must, at is option, change their schedule and charge during daylight hours or provide adequate lighting so that visible emission inspections can be made at night. "Adequate lighting" shall be determined by the Department.	Administrative Requirement	Y	C	
V.A.3.c	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(c)	The certified observer shall conduct each performance test according to the following requirements: [§2103.12.h.6.; §2103.12.i; §63.309(c)]	Administrative Requirement	Y	C	
V.A.3.c.1	Monitoring		The certified observer shall conduct one run each day to observe and record visible emissions from each coke oven door, topside port lid, and offtake system on each coke oven battery. The certified observer also shall conduct five runs to observe and record the seconds of visible emissions per charge for five consecutive charges from each coke oven battery. The observer may perform additional runs as needed to obtain and record a visible emissions value (or set of values) for an emission point that is valid under Method 303 in Appendix A of 40 CFR Part 63. Observations from fewer than five consecutive charges shall constitute a valid set of charging observations only in accordance with the procedures and conditions specified in Sections 3.8 and 3.9 of Method 303 in Appendix A of 40 CFR 63.	Record Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.A.3.c.2	Monitoring		If a valid visible emissions value (or set of values) is not obtained for a performance test, there is no compliance determination for that day. Compliance determinations will resume on the next day that a valid visible emissions value (or set of values) is obtained.	Record Review	Y	C	
V.A.3.c.3	Monitoring		After each performance test, the certified observer shall check and record the collecting main pressure according to the procedures in Section 6.3 of Method 303 in Appendix A of 40 CFR Part 63.	Record Review	Y	C	
V.A.3.c.3.a	Monitoring		The permittee shall demonstrate pursuant to Method 303 in Appendix A of 40 CFR 63 the accuracy of the pressure measurement device upon request of the certified observer;	Record Review	Y	C	
V.A.3.c.3.b	Monitoring		The permittee shall not adjust the pressure to a level below the range of normal operation during or prior to the inspection;	Record Review	Y	C	
V.A.3.c.4	Monitoring		In no case shall the permittee knowingly block a coke oven door, or any portion of a door for the purpose of concealing emissions or preventing observations by the certified observer.	Record Review	Y	C	
V.A.3.d	Monitoring	§2103.12.h.6; §2103.12.i; §63.309(d)	Using the observations obtained from each performance test, the Department shall compute and record, in accordance with the procedures and requirements of Method 303 in Appendix A of 40 CFR Part 63, for each day of operations on which a valid emissions value (or set of values) is obtained:	Administrative Requirement	Y	C	
V.A.3.d.1	Monitoring		The 30-run rolling average of the percent leaking coke oven doors, topside port lids, and offtake systems on each coke oven battery, using the equations in sections 4.5.3.2, 5.6.5.2, and 5.6.6.2 of Method 303 in Appendix A of 40 CFR 63;	Record Review	Y	C	
V.A.3.d.2	Monitoring		For by-product coke oven battery charging operations, the logarithmic 30-day rolling average of the seconds of visible emissions per charge for each battery, using the equation in section 3.9 of Method 303 in Appendix A of 40 CFR 63;	Record Review	Y	C	
V.A.3.e	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(e)	The certified observer shall make available to the Department as well as to the permittee, a copy of the daily inspection results by the end of the day and shall make available the calculated rolling average for each emission point to the permittee as soon as practicable following each performance test. The information provided by the certified observer is not a compliance determination. For the purpose of notifying the permittee of the results obtained by a certified observer, the person does not have to be certified.	Record Review	Y	C	
V.A.3.f	Monitoring	§2103.12.h.6.; §63.309(f)	Compliance shall not be determined more often than the schedule provided for performance tests in Condition V.A.3.h above. If additional valid emissions observations are obtained (or in the case of charging, valid sets of emission observations), the arithmetic average of all valid values (or valid sets of values) obtained during the day shall not be used in any computations performed to determine compliance under Condition V.A.3.d above or determinations under Condition IV.27 above.	Administrative Requirement	Y	C	
V.A.3.g	Monitoring	§2103.12.h.6.; §63.309(h)	For a flare installed to meet the requirements of Conditions V.A.1.d above and V.A.1.e above:	Administrative Requirement	Y	C	
V.A.3.g.1	Monitoring		Compliance with the provisions in Condition V.A.1.i above (visible emissions from flares) shall be determined using Method 22 in Appendix A to 40 CFR Part 60, with an observation period of 2 hours; and	Direct Measurement and Record Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.A.3.g.2	Monitoring		Compliance with the provisions in Condition V.A.1.e above (flare pilot light) shall be determined using a thermocouple or any other equivalent device.	Process Knowledge & Physical Inspection	Y	C	
V.A.3.h	Monitoring	§2103.12.h.6; §63.309(i)	No observations obtained during any program for training or for certifying observers under 40 CFR 63, Subpart L shall be used to determine compliance with the requirements of Subpart L or any other federally enforceable standard.	Administrative Requirement	Y	C	
V.A.3.i	Monitoring	[§2103.12.h.6.; §2103.12.i; §63.7300(b)	The permittee shall prepare and operate at all times according to a written operation and maintenance plan for the general operation and maintenance of all coke oven batteries. Each plan must address, at a minimum, the following elements:	Record Review	Y	C	
V.A.3.i.1	Monitoring		Frequency and method of recording underfiring gas parameters.	Record Review	Y	C	
V.A.3.i.2	Monitoring		Frequency and method of recording battery operating temperature, including measurement of individual flue and cross-wall temperatures.	Record Review	Y	C	
V.A.3.i.3	Monitoring		Procedures to prevent pushing an oven before it is fully coked.	Record Review	Y	C	
V.A.3.i.4	Monitoring		Procedures to prevent overcharging and undercharging of ovens, including measurement of coal moisture, coal bulk density, and procedures for determining volume of coal charged.	Record Review	Y	C	
V.A.3.i.5	Monitoring		Frequency and procedures for inspecting flues, burners, and nozzles.	Record Review	Y	C	
V.A.3.i.6	Monitoring		Schedule and procedures for the daily washing of baffles	Record Review	Y	C	
V.A.3.j	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7330(e)	The permittee shall monitor at all times the opacity of emissions exiting each coke oven battery stack using a COMS according to the requirements in V.A.3.m below.	Process Knowledge, Physical Inspection and Record Review	Y	C	
V.A.3.k	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7331©	The permittee shall conduct a performance evaluation of each CPMS in accordance with the site-specific monitoring plan .	Record Review	Y	C	
V.A.3.l	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7331(d)	The permittee shall operate and maintain each CPMS in continuous operation according to the site-specific monitoring plan.	Record Review	Y	C	
V.A.3.m	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7331(i)	For coke oven battery, the permittee shall install, operate, and maintain a COMS to measure and record the opacity of emissions exiting each stack according to the requirements in Conditions V.A.3.m.1) through V.A.3.m.5)below:	Administrative Requirement	Y	C	
V.A.3.m.1	Monitoring		Install, operate, and maintain each COMS according to the requirements in §63.8(e) and Performance Specification 1 in 40 CFR Part 60, Appendix B. Identify periods when the COMS is out-of-control, including any periods that the COMS fails to pass a daily calibration drift assessment, quarterly performance audit, or annual zero alignment audit.	Physical Inspection & Record Review	Y	C	
V.A.3.m.2	Monitoring		Conduct a performance evaluation of each COMS according to the requirements in §63.8 and Performance Specification 1 in Appendix B to 40 CFR Part 60;	Record Review	Y	C	
V.A.3.m.3	Monitoring		Develop and implement a quality control program for operating and maintaining each COMS according to the requirements in §63.8(d). At minimum, the quality control program must include a daily calibration drift assessment, quarterly performance audit, and an annual zero alignment audit of each COMS;	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.A.3.m.4	Monitoring		Each COMS must complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period. You must reduce the COMS data as specified in §63.8(g)(2).	Record Review	Y	C	
V.A.3.m.5	Monitoring		Determine and record the hourly and daily (24-hour) average opacity according to the procedures in §63.7324(b) using all the 6-minute averages collected for periods during which the COMS is not out-of-control.	Record Review	Y	C	
V.A.3.n	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7332(a)	Except for monitor malfunctions, associated repairs, and required quality assurance or control activities (including as applicable, calibration checks and required zero and span adjustments), the permittee shall monitor continuously (or collect data at all required intervals) at all times the affected source is operating.	Process Knowledge & Record Review	Y	C	
V.A.3.o	Monitoring	§2103.12.h.6.; §63.7332(b)	The permittee shall not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels, or in fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing compliance. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitor to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.	Record Review	Y	C	
V.A.3.p	Monitoring	§2103.12.h.6; §2103.12.i; §63.7333(c)	The permittee shall demonstrate continuous compliance for each by-product coke oven battery subject to the opacity limit for stacks in Condition V.A.1.t.1) and V.A.1.t.2) above by meeting the requirements in Conditions V.A.3.p.1) and V.A.3.p.2) below:	Administrative Requirement	Y	C	
V.A.3.p.1	Monitoring		Maintaining the daily average opacity at or below 15 percent for a battery on a normal coking cycle or 20 percent for a battery on batterywide extended coking; and	Record Review	Y	C	
V.A.3.p.2	Monitoring		Operating and maintaining a COMS and collecting and reducing the COMS data according to Condition V.A.3.m above	Record Review	Y	C	
	Monitoring	CO&A	Observe 8 pushes per day and perform 4 soaking observations per day		Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.A.4.a	Recording Keeping	§2103.12.h.6; §63.311(f); §2103.12.j	The permittee shall maintain files of all required information in a permanent form suitable for inspection at an onsite location for at least 1 year and must thereafter be accessible within 3 working days to the Department for a period of five years. Copies of the work practice plan developed under Condition IV.27 above and the startup, shutdown, and malfunction plan developed under V.A.6.c below shall be kept onsite at all times. The permittee shall maintain the following information:	Administrative Requirement	Y	C	
V.A.4.a.1	Recording Keeping		A copy of the work practice plan required by Condition IV.27 above and any revision to the plan;	Record Review	Y	C	
V.A.4.a.2	Recording Keeping		If the permittee is required under Condition V.A.6.b below to implement the provisions of a work practice plan for a particular emission point, the following records regarding the implementation of plan requirements for that emission point during the implementation of plan requirements for that emission point during the implementation period:	Administrative Requirement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.A.4.a.2.a	Recording Keeping		Copies of all written and audiovisual materials used in the training, the dates of each class, the names of the participants in each class, and documentation that all appropriate personnel have successfully completed the training required under Condition IV.27.b.1) above;	Record Review	Y	C	
V.A.4.a.2.b	Recording Keeping		The records required to be maintained by the plan provisions implementing Condition IV.27.b.6) above;	Record Review	Y	C	
V.A.4.a.2.c	Recording Keeping		Records resulting from audits of the effectiveness of the work practice program for the particular emission point, as required under Conditions IV.27.b.2)a), IV.27.b.3)a), IV.27.b.4)a) or IV.27.b.5)a) above; and	Record Review	Y	C	
V.A.4.a.2.d	Recording Keeping		If the plan provisions for coke oven doors must be implemented, records of the inventory of doors and jambs as required under Condition IV.27.b.2)f) above; and	Record Review	Y	C	
V.A.4.a.3	Recording Keeping		The design drawings and engineering specifications for the bypass/bleeder stack flare system or approved alternative control device or system as required under Conditions V.A.1.a through V.A.1.e above.	Record Review	Y	C	
V.A.4.a.4	Recording Keeping		Records specified in Condition V.A.6.g below regarding the basis of each malfunction notification.	Record Review	Y	C	
V.A.4.b	Recording Keeping	§2103.12.j.; §63.7342(a)	The permittee shall keep the following records:	Administrative Requirement	Y	C	
V.A.4.b.1	Recording Keeping		A copy of each notification and report that was submitted to comply with this subpart, including all documentation supporting any initial notification or notification of compliance status that you submitted, according to the requirements in §63.10(b)(2)(xiv).	Record Review	Y	C	
V.A.4.b.2	Recording Keeping		The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.	Record Review	Y	C	
V.A.4.b.3	Recording Keeping		Records of performance tests, performance evaluations, and opacity observations as required in §63.10(b)(2)(viii).	Record Review	Y	C	
V.A.4.c	Recording Keeping	§2103.12.j.; §63.7342(b)	For each COMS or CEMS, the permittee shall keep the following records.	Administrative Requirement	Y	C	
V.A.4.c.1	Recording Keeping		Records described in §63.10(b)(2)(vi) through (xi).	Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.A.4.c.2	Recording Keeping		Monitoring data for COMS during a performance evaluation as required in §63.6(h)(7)(i) and (ii).	Record Review	Y	C	
V.A.4.c.3	Recording Keeping		Previous (that is, superceded) versions of the performance evaluation plan as required in §63.8(d)(3).	Record Review	Y	C	
V.A.4.c.4	Recording Keeping		Records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Record Review	Y	C	
V.A.4.d	Recording Keeping	§2103.12.j.; §63.7342(c)	The permittee shall keep the records in §63.6(h)(6) for visual observations.	Record Review	Y	C	
V.A.4.e	Recording Keeping	§2103.12.j.; §63.7343(b)	As specified in §63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.	Record Review	Y	C	
V.A.4.f	Recording Keeping	§2103.12.h.6; §63.7343(e)	The permittee shall keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records offsite for the remaining 3 years.	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.A.4.g	Recording Keeping	§2103.12.j; §63.7335(a)	For each by-product coke oven battery, the permittee must demonstrate continuous compliance with the operation and maintenance requirements in V.A.3.i above by adhering at all times to the plan requirements and recording all information needed to document	Record Review	Y	C	
V.A.4.h	Recording Keeping	§2103.12.j; §63.7334(d)	The permittee shall maintain a current copy of the operation and maintenance plans required in in V.A.3.i or §63.7300(b) onsite and available for inspection upon request. The plans shall be kept for the life of the affected source or until the affected source is no longer subject to the requirements of 40 CFR Part 63, Subpart CCCCCC.	Record Review	Y	C	
V.A.4.i	Recording Keeping	§2103.12.j.; §63.7334(d)	The permittee must demonstrate continuous compliance to the work practice standard for soaking in V.A.6.k below, by maintaining records that document conformance with requirements in V.A.6.k.1) through V.A.6.k.5) below.	Record Review	Y	C	
V.A.5.a	Reporting	§2103.12.h.6; §2103.12.k; §2109.03 and Enforcement Order 202. E, 3/28/90	No later than twenty (20) days after the end of each month, a written report of a summary of the following during each such month shall be submitted to the Department:	Administrative Requirement	Y	C	
V.A.5.a.1	Reporting		For all coke batteries combined, the daily average for the month of:	Administrative Requirement	Y	C	
V.A.5.a.1.a	Reporting		Coal charged, in tons;	Record Review	Y	C	
V.A.5.a.1.b	Reporting		Coke produced, in tons;	Record Review	Y	C	
V.A.5.a.1.c	Reporting		Total coke oven gas produced; in MMCF;	Record Review	Y	C	
V.A.5.a.1.d	Reporting		Quench water used, in gallons;	Record Review	Y	C	
V.A.5.a.1.e	Reporting		Elemental sulfur produced, in tons;	Record Review	Y	C	
V.A.5.a.1.f	Reporting		Sulfur content of coal, in percent; and	Record Review	Y	C	
V.A.5.a.1.g	Reporting		Sulfur content of coke, in percent.	Record Review	Y	C	
V.A.5.a.2	Reporting		For all periods during which contaminated quench water was used:	Administrative Requirement	Y	C	
V.A.5.a.2.a	Reporting		The batteries affected;	Record Review	Y	C	
V.A.5.a.2.b	Reporting		The starting and ending dates and times;	Record Review	Y	C	
V.A.5.a.2.c	Reporting		The total time of each period, and total for the month, to the nearest tenth of an hour;	Record Review	Y	C	
V.A.5.a.2.d	Reporting		The corresponding Department Breakdown Number;	Record Review	Y	C	
V.A.5.a.2.e	Reporting		The average flow rates of contaminated water to both the quench towers and the water treatment plant during the period, each in gallons per minute; and	Record Review	Y	C	
V.A.5.a.2.f	Reporting		The reason(s) or cause(s) for each period.	Record Review	Y	C	
V.A.5.b	Reporting	§2103.12.k.; §63.311(d)	The permittee shall include the following information in the semiannual compliance certification:	Administrative Requirement	Y	C	
V.A.5.b.1	Reporting		Certification, signed by the permittee, that no coke oven gas was vented, except through the bypass/bleeder stack flare system during the reporting period or that a venting report has been submitted according to the requirements in V.A.5.c below.	Record Review	Y	C	
V.A.5.b.2	Reporting		Certification, signed by the permittee, that a startup, shutdown, or malfunction event did not occur for a coke oven battery during the reporting period or that a startup, shutdown, and malfunction event did occur and a report was submitted according to the requirements in V.A.6.f below; and	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.A.5.h.3	Reporting		Certification, signed by the permittee, that work practices were implemented if applicable under Condition IV.27 above.	Record Review	Y	C	
V.A.5.c	Reporting	§2103.12.k.; §63.311(e)	The permittee shall report any venting of coke oven gas through a bypass/bleeder stack that was not vented through the bypass/bleeder stack flare system to the Department as soon as practicable but no later than 24 hours after the beginning of the event. A written report shall be submitted within 30 days of the event and shall include a description of the event and, if applicable, a copy of the notification for a hazardous substance release required pursuant to 40 CFR 302.6.	Record Review	Y	C	
V.A.5.d	Reporting	§2103.12.k.; §63.310(d)	In order for the provisions of §63.310(i) to apply with respect to the observation (or set of observations) for a particular day, notification of a startup, shutdown, or a malfunction shall be made by the permittee as follows:	Administrative Requirement	Y	C	
V.A.5.d.1	Reporting		If practicable, to the certified observer if the observer is at the facility during the occurrence; or	Record Review	Y	C	
V.A.5.d.2	Reporting		To the Department, in writing, within 24 hours of the occurrence first being documented by a company employee, and if the notification was not made, an explanation of why no such notification was made.	Record Review	Y	C	
V.A.5.e	Reporting	§2103.12.k.; §63.310(e)	Within 14 days of the notification startup, shutdown, or a malfunction, the permittee shall submit a written report to the Department that:	Administrative Requirement	Y	C	
V.A.5.e.1	Reporting		Describes the time and circumstances of the startup, shutdown, or malfunction; and	Record Review	Y	C	
V.A.5.e.2	Reporting		Describes actions taken that might be considered inconsistent with the startup, shutdown, or malfunction plan.	Record Review	Y	C	
V.A.5.f	Reporting	§2103.12.k.; Enforcement Order, Signed March 17, 2008, Condition V.a.1	The permittee shall submit a written quarterly report within thirty (30) days after the close of each calendar quarter to the Department. The quarterly reports shall contain, at minimum the list of every clock hour in the calendar quarter that compliance is not achieved for Article XXI opacity limits applicable to Batteries 1-3 combustion stacks as measured by the combustion stacks continuous opacity monitor (COM). U.S. Steel shall indicate the date, time, root cause, and ovens that are believed to have contributed to the exceedance.	Record Review	Y	C	
V.A.5.g	Reporting	§2103.12.k.; Enforcement Order, Signed March 17, 2008, Condition V.b	The permittee shall submit to the Department a Semi-Annual Deviation Report for all deviations from Article XXI §2105.21(e)(4) and (e)(5) for Batteries 1-3.	Record Review	Y	C	
V.A.5.h	Reporting	§2103.12.k; §63.7336(a)	The permittee shall report each instance in which each emission limitation in Conditions V.A.1.t and V.A.1.u was not met. This includes periods of startup, shutdown, and malfunction. The permittee shall also report each instance in which the permittee did not meet each work practice standard or operation and maintenance requirement in Conditions V.A.6.k, V.A.6.l and V.A.6.m. These instances are deviations from the emission limitations (including operating limits), work practice standards, and operation and maintenance requirements of 40 CFR Part 63, Subpart CCCCC. These deviations must be reported according to the requirements in V.A.5.k through V.A.5.o below.	Record Review	Y	C	
V.A.5.i	Reporting	§2103.12.k.; §63.7336(b)	During periods of startup, shutdown, and malfunction, you must operate in accordance with your startup, shutdown, and malfunction plan.	Administrative Requirement	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.A.5.i.1	Reporting		Consistent with §63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if you demonstrate to the Department's satisfaction that you were operating in accordance with the startup, shutdown, and malfunction plan.	Record Review	Y	C	
V.A.5.i.2	Reporting		The Department will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in §63.6(e).	Record Review	Y	C	
V.A.5.j	Reporting	§2103.12.k.; §63.7340(a)	The permittee shall submit all of the notifications in §63.6(h)(4) and (5), 63.7(b) and (c), 63.8(e) and (f)(4), and 63.9(b) through (h) that apply to you by the specified dates.	Record Review	Y	C	
V.A.5.k	Reporting	§2103.12.k.; §63.7341(a)	Unless the Department has approved a different schedule, the permittee must submit quarterly compliance reports for battery stacks according to the requirements in V.A.5.k.1) through V.A.5.k.2) below:	Administrative Requirement	Y	C	
V.A.5.k.1	Reporting		Each quarterly compliance report for battery stacks shall be submitted in accordance with General Condition III.15.e above.	Record Review	Y	C	
V.A.5.k.2	Reporting		All quarterly compliance reports for battery stacks must be postmarked or delivered no later than one calendar month following the end of the quarterly reporting period.	Record Review	Y	C	
V.A.5.l	Reporting	§2103.12.k; §63.7341(b)	Each quarterly compliance report must provide information on compliance with the emission limitations for battery stacks in V.A.1.t.1) above. The reports must include the information in Conditions V.A.5.m.1) through V.A.5.m.3) below, and as applicable, Conditions V.A.5.m.4) through V.A.5.m.8) below.	Record Review	Y	C	
V.A.5.m	Reporting	§2103.12.k; §63.7341(c)	Each semiannual compliance report must provide information on compliance with the emission limitations, work practice standards, and operation and maintenance requirements for all affected sources except battery stacks. The reports must include the information V.A.5.m.1) through V.A.5.m.3), and as applicable, Conditions V.A.5.m.4) through V.A.5.m.8) below.	Record Review	Y	C	
V.A.5.m.1	Reporting		Company name and address.	Record Review	Y	C	
V.A.5.m.2	Reporting		Statement by a responsible official, with the official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.	Record Review	Y	C	
V.A.5.m.3	Reporting		Date of report and beginning and ending dates of the reporting period.	Record Review	Y	C	
V.A.5.m.4	Reporting		If there was a startup, shutdown, or malfunction during the reporting period and the permittee took actions consistent with your startup, shutdown, and malfunction plan, the compliance report must include the information in §63.10(d)(5)(i).	Record Review	Y	C	
V.A.5.m.5	Reporting		If there were no deviations from the continuous compliance requirements in V.A.3.p for battery stacks, a statement that there were no deviations from the emission limitations during the reporting period.	Record Review	Y	C	
V.A.5.m.6	Reporting		If there were no periods during which a continuous monitoring system (including COMS, continuous emission monitoring system (CEMS), or CPMS) was out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which a continuous monitoring system was out-of-control during the reporting period.	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.A.5.m.7	Reporting		For each deviation from an emission limitation in 40 CFR 63, Subpart CCCCC and for each deviation from the requirements for work practice standards in this 40 CFR Part 63, Subpart CCCCC that occurs at an affected source where you are not using a continuous monitoring system (including a COMS, CEMS, or CPMS) to comply with the emission limitations in this subpart, the compliance report must contain the information in Conditions V.A.5.m.4), V.A.5.m.7)a) and V.A.5.m.7)b) below. This includes periods of startup, shutdown, and malfunction.	Record Review	Y	C	
V.A.5.m.7.a	Reporting		The total operating time of each affected source during the reporting period.	Record Review	Y	C	
V.A.5.m.7.b	Reporting		Information on the number, duration, and cause of deviations (including unknown cause, if applicable) as applicable and the corrective action taken.	Record Review	Y	C	
V.A.5.m.8	Reporting		For each deviation from an emission limitation occurring at an affected source where you are using a continuous monitoring system (including COMS, CEMS, or CPMS) to comply with the emission limitation 40 CFR 63, Subpart CCCCC, the permittee must include the information in Conditions V.A.5.m.4), V.A.5.m.8)a) through V.A.5.m.8)b) below. This includes periods of startup, shutdown, and malfunction.	Administrative Requirement	Y	C	
V.A.5.m.8.a	Reporting		The date and time that each malfunction started and stopped.	Record Review	Y	C	
V.A.5.m.8.b	Reporting		The date and time that each continuous monitoring system (including COMS, CEMS, or CPMS) was inoperative, except for zero (low-level) and high-level checks.	Record Review	Y	C	
V.A.5.m.8.c	Reporting		The date, time, and duration that each continuous monitoring system (including COMS, CEMS, or CPMS) was out-of-control, including the information in §63.8(c)(8).	Record Review	Y	C	
V.A.5.m.8.d	Reporting		The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Record Review	Y	C	
V.A.5.m.8.e	Reporting		A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.	Record Review	Y	C	
V.A.5.m.8.f	Reporting		A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.	Record Review	Y	C	
V.A.5.m.8.g	Reporting		A summary of the total duration of continuous monitoring system downtime during the reporting period and the total duration of continuous monitoring system downtime as a percent of the total source operating time during the reporting period.	Record Review	Y	C	
V.A.5.m.8.h	Reporting		An identification of each HAP that was monitored at the affected source.	Record Review	Y	C	
V.A.5.m.8.i	Reporting		A brief description of the process units.	Record Review	Y	C	
V.A.5.m.8.j	Reporting		A brief description of the continuous monitoring system.	Record Review	Y	C	
V.A.5.m.8.k	Reporting		The date of the latest continuous monitoring system certification or audit.	Record Review	Y	C	
V.A.5.m.8.l	Reporting		A description of any changes in continuous monitoring systems, processes, or controls since the last reporting period.	Record Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.A.5.n	Reporting	§2103.12.k; §63.7341(d)	If the permittee had a startup, shutdown, or malfunction during the semiannual reporting period that was not consistent with your startup, shutdown, and malfunction plan, you must submit an immediate startup, shutdown, and malfunction report according to the requirements in §63.10(d)(5)(ii).	Record Review	Y	C	
V.A.5.o	Reporting	§2103.12.k; §63.7341(e)	If the permittee submits a compliance report for an affected source along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A), and the compliance report includes all the required information concerning deviations from any emission limitation or work practice standard in 40 CFR Part 63, Subpart CCCCC, submission of the compliance report satisfies any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report does not otherwise affect any obligation you may have to report deviations from permit requirements to the Department.	Administrative Requirement	Y	C	
V.A.6.a	Work Practice Standards	RACT Plan 234	Coke Oven Batteries 1, 2 and 3 shall be properly maintained and operated at all times according to good engineering and air pollution control practices .	Record Review	Y	C	
V.A.6.b	Work Practice Standards	§2103.12.h.6.; §63.306(a)	The permittee shall comply with the provisions of applicable work practice requirements in Site level Condition IV.27 above.	Record Review	Y	C	
V.A.6.c	Work Practice Standards	§2103.12.h.6.; §63.310(b)	The permittee shall develop and implement according to Condition V.A.6.d below, a written startup, shutdown, and malfunction plan that describes procedures for operating the battery, including associated air pollution control equipment, during a period of a startup, shutdown, or malfunction in a manner consistent with good air pollution control practices for minimizing emissions, and procedures for correcting malfunctioning process and air pollution control equipment as quickly as practicable. All the provisions of Site Level Condition IV.8 above remain applicable and are not superceded by operating in accordance with the startup, shutdown, and malfunction plan.	Record Review	Y	C	
V.A.6.d	Work Practice Standards	§2103.12.h.6.; §63.310(c)	During a period of startup, shutdown, or malfunction the permittee shall:	Administrative Requirement	Y	C	
V.A.6.d.1	Work Practice Standards		Operate the battery (including associated air pollution control equipment) in accordance with the procedure specified in the startup, shutdown, and malfunction plan; and	Process Knowledge & Record Review	Y	C	
V.A.6.d.2	Work Practice Standards		Correct malfunctions as soon as practicable after their occurrence, in accordance with the plan.	Record Review	Y	C	
V.A.6.e	Work Practice Standards	§2103.12.h.6.; §63.310(d)	In order for the provisions of Condition V.A.6.j below to apply with respect to the observation (or set of observations) for a particular day, notification of a startup, shutdown, or a malfunction shall be made by the permittee:	Administrative Requirement	Y	C	
V.A.6.e.1	Work Practice Standards		If practicable, to the certified observer if the observer is at the facility during the occurrence; or		Y	C	
V.A.6.e.2	Work Practice Standards		To the Department, in writing, within 24 hours of the occurrence first being documented by a company employee, and if the notification under Condition V.A.6.e.1) above was not made, an explanation of why no such notification was made.	Record Review	Y	C	
V.A.6.f	Work Practice Standards	§2103.12.h.6.; §63.310(e)	Within 14 days of the notification made under Condition V.A.6.e above, or after a startup or shutdown, the permittee shall submit a written report to the Department that:	Record Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.A.6.f.1	Work Practice Standards		Describes the time and circumstances of the startup, shutdown, or malfunction; and	Record Review	Y	C	
V.A.6.f.2	Work Practice Standards		Describes actions taken that might be considered inconsistent with the startup, shutdown, or malfunction plan.	Record Review	Y	C	
V.A.6.g	Work Practice Standards	§2103.12.h.6.; §63.310(f)	The permittee shall maintain a record of internal reports which form the basis of each malfunction notification under Condition V.A.6.e above.	Record Review	Y	C	
V.A.6.h	Work Practice Standards	§2103.12.h.6; §63.310(g)	To satisfy the requirements of §63.310 to develop a startup, shutdown, and malfunction plan, the permittee may use the standard operating procedures manual for the battery, provided the manual meets all the requirements §63.310 and is made available for inspection at reasonable times when requested by the Department.	Administrative Requirement	Y	C	
V.A.6.i	Work Practice Standards	§2103.12.h.6.; §63.310(h)	The Department may require reasonable revisions to a startup, shutdown, and malfunction plan, if the Department finds that the plan:	Administrative Requirement	Y	C	
V.A.6.i.1	Work Practice Standards		Does not address a startup, shutdown, or malfunction event that has occurred;	Record Review	Y	C	
V.A.6.i.2	Work Practice Standards		Fails to provide for the operation of the source (including associated air pollution control equipment) during a startup, shutdown, or malfunction event in a manner consistent with good air pollution control practices for minimizing emissions; or	Record Review	Y	C	
V.A.6.i.3	Work Practice Standards		Does not provide adequate procedures for correcting malfunctioning process and/or air pollution control equipment as quickly as practicable.	Record Review	Y	C	
V.A.6.j	Work Practice Standards	§2103.12.h.6; §63.310(i)	If the permittee demonstrates to the satisfaction of the Department that a startup, shutdown, or malfunction has occurred, then an observation occurring during such startup, shutdown, or malfunction shall not:	Administrative Requirement	Y	C	
V.A.6.j.1	Work Practice Standards		Constitute a violation of relevant requirements of 40 CFR 63, Subpart L;	Administrative Requirement	Y	C	
V.A.6.j.2	Work Practice Standards		Be used in any compliance determination under§63.309; or	Administrative Requirement	Y	C	
V.A.6.j.3	Work Practice Standards		Be considered for purposes of Condition IV.27 above, until the Department has resolved the claim that a startup, shutdown, or malfunction has occurred. If the Department determines that a startup, shutdown, or malfunction has not occurred, such observations may be used for purposes of Conditions IV.27 above, regardless of whether the permittee further contests such determination. The permittee's receipt of written notification from the Department that a startup, shutdown, or malfunction has not occurred will serve, where applicable under Conditions IV.27 above, as written notification from the certified observer that an exceedance has occurred.	Record Review	Y	C	
V.A.6.k	Work Practice Standards	§2103.12.h.6; §63.7294(a)	The permittee shall prepare and operate at all times according to a written work practice plan for soaking. Each plan must include measures and procedures to:	Administrative Requirement	Y	C	
V.A.6.k.1	Work Practice Standards		Train topside workers to identify soaking emissions that require corrective actions.	Record Review	Y	C	
V.A.6.k.2	Work Practice Standards		Damper the oven off the collecting main prior to opening the standpipe cap.	Record Review	Y	C	
V.A.6.k.3	Work Practice Standards		Determine the cause of soaking emissions that do not ignite automatically, including emissions that result from raw coke oven gas leaking from the collecting main through the damper, and emissions that result from incomplete coking.	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.A.6.k.4	Work Practice Standards		If soaking emissions are caused by leaks from the collecting main, take corrective actions to eliminate the soaking emissions. Corrective actions may include, but are not limited to, resealing the damper, cleaning the flushing liquor piping, using aspiration, putting the oven back on the collecting main, or igniting the emissions.	Record Review	Y	C	
V.A.6.k.5	Work Practice Standards		If soaking emissions are not caused by leaks from the collecting main, notify a designated responsible party. The responsible party must determine whether the soaking emissions are due to incomplete coking. If incomplete coking is the cause of the soaking emissions, you must put the oven back on the collecting main until it is completely coked or you must ignite the emissions.	Record Review	Y	C	
V.A.6.l	Work Practice Standards	§2103.12.h.6; §63.7294(b)	As provided in §63.6(g), the permittee may request to use an alternative to the work practice standard for soaking in Condition V.A.6.k above.	Administrative Requirement	Y	C	
V.A.6.m	Work Practice Standards	§2103.12.h.6; §63.7310(a)	The permittee shall be in compliance with the emission limitations, work practice standards, and operation and maintenance requirements of 40 CFR 63, Subpart CCCCC at all times, except during periods of startup, shutdown, and malfunction as defined in §63.2.	Physical Inspection & Record Review	Y	C	
V.A.7	Additional Requirements		The definitions in 40 CFR 63.7352 are hereby incorporated into this permit by reference.	Administrative Requirement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type CI	Comments
V.A.1.a	Restrictions	2103.12.h.6; 63.307(a)(1)	The permittee shall install, operate and maintain a bypass/bleeder stack flare system in each battery that is capable of controlling 120 percent of the normal gas flow generated by each battery, which shall thereafter be operated and maintained.	Process Knowledge & Physical Inspection	Y	C	
V.A.1.b	Restrictions	§2103.12.h.6; §63.307(a)(2)	Coke oven emissions shall not be vented to the atmosphere through bypass/bleeder stacks, except through the flare system, or the alternative control device as described in V.A.1.c below.	Process Knowledge & Physical Inspection	Y	C	
V.A.1.c	Restrictions	§2103.12.h.6; §63.307(d)	As an alternative to the installation, operation, and maintenance of a flare system as required in Conditions V.A.1.a above and V.A.1.b above, the owner or operator may petition the Administrator and the Department for approval of an alternative control device or system that achieves at least 98 percent destruction or control of coke oven emissions vented to the alternative control device or system.	Administrative Requirement	Y	C	
V.A.1.d	Restrictions	§2103.12.h.6; §63.307(b)(1)	The emergency bypass/bleeder stack flare system for each battery shall be designed for a net heating value of 240 Btu per standard cubic feet (Btu/scf).	Engineering Judgement	Y	C	
V.A.1.e	Restrictions	§2103.12.h.6; §63.307(b)(2); §63.307(b)(4) and §63.309(b)(2)	Each flare shall have a continuously operable pilot flame that is present at all times as determined by a thermocouple or any other equivalent device.	Process Knowledge & Physical Inspection	Y	C	
V.A.1.f	Restrictions	§2105.21.h.5	The permittee shall not operate, or allow to be operated, coke oven batteries 1, 2 or 3 unless there is installed big plug doors on the coke side of each oven. A big plug door is a door that, when installed, contains a plug with minimum dimensions of 12-1/4" minimum width and 14-1/2" minimum depth.	Process Knowledge & Physical Inspection	Y	C	**The compliance certification contained in this submittal is based on the understanding that big plug doors meet the specified dimensions when initially installed except that portion of the plug located in the tunnel head above the design coal line. The plugs may experience inconsequential dimentional changes over time in te course of normal operation.**
V.A.1.g	Restrictions	§2103.12.h.6; §63.310(a)	At all times including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain the coke oven batteries and the pollution control equipment required under 40 CFR Part 63, Subpart L, in a manner consistent with good air pollution control practices for minimizing emissions to the levels required by any applicable performance standards under Subpart L. Failure to adhere to these requirements shall not constitute a separate violation if a violation of an applicable performance or work practice standard has also occurred.	Record Review	Y	C	
V.A.1.h	Restrictions	§2105.21.h; §2105.21.h.4	The permittee shall not operate, or allow to be operated, any source in such manner that unburned coke oven gas is emitted into the open air. In addition, the permittee shall not flare, mix, or combust coke oven gas, or allow such gas to be flared, mixed or combusted unless the concentration of sulfur compounds, measured as hydrogen sulfide, in such gas is less than or equal to 40 grains per hundred dry standard cubic feet of coke oven gas produced by Clairton Works, when all sulfur emissions from the Claus Sulfur Recovery Plant and the tail gas cleaning equipment thereon, expressed as equivalent H2S are added to the measured H2S. The concentration of sulfur compounds specified shall include the tail-gas sulfur, measured as hydrogen sulfide, emitted from sulfur removal equipment.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.A.1.i	Restrictions	§2103.12.h.6.; §63.307(c) and §63.309(b)(1)	Each flare installed to meet the requirements of Conditions V.A.1.a through V.A.1.e above shall be operated with no visible emissions, as determined by Method 22 in Appendix A of 40 CFR Part 60, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.	Direct Measurement & Record Review	Y	C	
V.A.1.j	Restrictions	§2103.12.h.6.; §63.304(b)(2)(ii) (iv); §63.304(b)(3)(ii)	The permittee shall not cause to be discharged or allow to be discharged to the atmosphere coke oven emissions that exceed any of the following emission limitations:	Administrative Requirement	Y	C	
V.A.1.j.1	Restrictions	§2103.12.h.6.; §63.304(b)(2)(ii) (iv); §63.304(b)(3)(ii)	3.3 percent leaking coke oven doors as determined by the procedures in Condition V.A.3.d.1) below;	Direct Measurement & Record Review	Y	C	
V.A.1.j.2	Restrictions	§2103.12.h.6.; §63.304(b)(2)(ii) (iv); §63.304(b)(3)(ii)	0.4 percent leaking topside port lids, as determined by the procedures in Condition V.A.3.d.1) below;	Direct Measurement & Record Review	Y	C	

V.A.1.j3	Restrictions	§2103.12.h.6; §63.304(b)(2)(ii)(iv); §63.304(b)(2)(ii)	2.5 percent leaking offtake system(s), as determined by the procedures in Condition V.A.3.d.1) below, and	Direct Measurement & Record Review	Y	C	
V.A.1.j4	Restrictions	§2103.12.h.6; §63.304(b)(2)(ii)(iv); §63.304(b)(2)(ii)	12 seconds of visible emissions per charge, as determined by the procedures in Condition V.A.3.d.2) below.	Direct Measurement & Record Review	Y	C	
V.A.1.k	Restrictions	§2103.12.h.6; §63.306(c)(1)(i)	The permittee shall implement the provisions of the work practice plan required by Condition IV.27 above following the second independent exceedance of the visible emission limitation for the emission point in any consecutive 6-month period, by no later than 3 days after receipt of written notification of the second such exceedance from the certified observer	Record Review	Y	C	
V.A.1.l	Restrictions	§2105.21.a.2	The permittee shall not operate, or allow to be operated any battery of coke ovens in such manner that the aggregate of visible charging emissions exceeds a total of 75 seconds during any four (4) consecutive charges on such battery.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.A.1.m	Restrictions	§2105.21	The permittee shall not operate, or allow to be operated Coke Oven Batteries 1, 2 or 3 in such manner that emissions from the door areas of any coke oven exceed an opacity of 40% at any time 15 or more minutes after such oven has been charged.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.A.1.n	Restrictions	§2105.21.b.3.A, B & C	The permittee shall not operate, or allow to be operated Coke Oven Batteries 1, 2 or 3 in such manner that, at any time, there are visible emissions from more than eight percent (8%) of the door areas of the operating coke ovens in such battery, excluding the two door areas of the last oven charged and any door areas obstructed from view.	Direct Measurement & Record Review	Y	C	
V.A.1.o	Restrictions	§2105.21.c.2	The permittee shall not operate, or allow to be operated Coke Oven Batteries 1, 2 or 3 in such manner that, at any time, there are visible emissions from more than two percent (2%) of the charging ports or charging port seals on the operating coke ovens of such battery.	Direct Measurement & Record Review	Y	C	
V.A.1.p	Restrictions	§2105.21.d.2	The permittee shall not operate, or allow to be operated Coke Oven Batteries 1, 2 or 3 in such manner that, at any time, there are visible emissions from more than five percent (5%) of the offtake piping on the operating coke ovens of such battery.	Direct Measurement & Record Review	Y	C	
V.A.1.q	Restrictions	§2105.21.e.5	The permittee shall not operate, or allow to be operated Coke Oven Batteries 1, 2 or 3 in such manner that visible emissions from the transport of hot coke in the open atmosphere exceed ten percent (10%) opacity at any time.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013. USS is complying with the existing CO&A regarding Battery 2 travel opacity requirements
V.A.1.r	Restrictions	§2105.21.f.2	The permittee shall not operate, or allow to be operated, Coke Oven Batteries 1, 2 or 3 in such manner that, at any time, emissions from the combustion stack serving such battery exceed a particulate concentration of 0.030 grains per dry standard cubic foot.	Direct Measurement & Record Review	Y	C	
V.A.1.s	Restrictions	§2105.21.f.3&4	The permittee shall not operate, or allow to be operated, Coke Oven Batteries 1, 2 or 3 in such manner that, at any time, emissions from the combustion stack serving each battery equal or exceed an opacity of 20% for a period or periods aggregating in excess an opacity of 60% at any time.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013. USS is complying with the existing CO&A regarding Battery 2 stack opacity requirements
V.A.1.t	Restrictions	§2103.12.h.6.; §63.7296(a) and (b)	The permittee shall not discharge to the atmosphere any emissions from any battery stack that exhibit an opacity greater than the following applicable limits:	Administrative Requirement	Y	C	
V.A.1.t.1	Restrictions	§2103.12.h.6.; §63.7296(a) and (b)	Daily average of 15 percent opacity for a battery on a normal coking cycle.	Direct Measurement & Record Review	Y	C	
V.A.1.t.2	Restrictions	§2103.12.h.6.; §63.7296(a) and (b)	Daily average of 20 percent opacity for a battery on batterywide extended coking.	Direct Measurement & Record Review	Y	C	
V.A.1.u	Restrictions	§2103.12.h.6; §63.7326(d)	The permittee shall submit a notification of compliance status containing the results of the COMS performance test for battery stacks within 30 calendar days following the completion of the compliance demonstration. For each particulate matter emission limitation that applies to you, the permittee shall submit a notification of compliance status containing the results of the performance test within 60 calendar days following completion of the performance test according to §63.10(d).	Record Review	Y	C	

V.A.1.v	Restrictions	§2105.21.f.2; §2105.21.h.4; §2103.12.e; §2103.11.b & c	Emissions from each combustion stack for Coke Batteries No. 1, No. 2 or No. 3 shall not exceed the emission limitations in Table V-A-1.	Administrative Requirement	Y	C	
V.A.1.v.1	Restrictions		POLLUTANT HOURLY LIMIT (lb/hr) ANNUAL LIMIT				
V.A.1.v.1	Restrictions		PM 14.47 63.38		Y	C	
V.A.1.v.1	Restrictions		PM-10 14.47 63.38		Y	C	
V.A.1.v.1	Restrictions		PM 2.5 14.47 63.38		Y	C	
V.A.1.v.1	Restrictions		SO2 31.8 139.46		Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.A.1.v.1	Restrictions		A year is defined as any consecutive 12-month period.				
V.A.2.a	Testing	§2103.12.h.1; §2108.02.e; Second Consent Decree 6/24/93	The permittee shall have PM, $PM_{2.5}$ and PM_{10} particulate emissions stack tests performed on each combustion stack of Coke Batteries 1, 2 and 3 at least once every four (4) years to demonstrate compliance with the mass emission standard in Condition V.A.1.v above . Particulate emission tests shall be conducted according to the methodology specified in 40 CFR 60, Appendix A, Methods 1 through 5, 201A and 202 (or other method specified). The permittee shall submit a stack test protocol to the Department for approval at least 45 days prior to the test dates. During each stack test performed, simultaneous visible emission evaluations shall be conducted according to the methodology specified in 40 CFR 60, Appendix A, Method 9, except for the provisions of Section 2.5 of Method 9.	Record Review	Y	C	
V.A.2.b	Testing	§2108.02.b. & .e	The permittee shall have sulfur dioxide (SO_2) emissions stack tests performed on each combustion stack of Coke Batteries 1, 2 and 3 at least once every two years to demonstrate compliance with the mass emission limitations for each combustion stack in Condition V.A.1.v above. SO2 emission tests shall be conducted according to Method 6, 6A, 6B, or 6C specified in 40 CFR 60, Appendix A. The permittee shall submit a stack test protocol to the Department for approval at least 45 days prior to the test dates. [§2108.02.b. & .e]	Record Review	Y	C	
V.A.2.c	Testing	§2103.12.h.1; §2108.02.b; §2108.02.e	The permittee shall perform emissions testing and evaluations for NO_x on each combustion stack of Coke Batteries 1, 2 and 3 to develop emission factors that can be applied to quantify NO_x emissions. This evaluation shall include stack testing, an analysis of B Battery CEM data, and an evaluation of gas combustion and operating variables that affect NO_x. Testing for NO_x shall be conducted at least once every two years in accordance with approved EPA Methods in Appendix A of 40 CFR Part 60, Article XXI §2108.02, and as approved by the Department. Reports of stack testing results shall be submitted to the Department within 90 days of the date of the stack test. The evaluation report shall be made available to the Department upon request and at permit renewal.	Record Review	Y	C	
V.A.2.d	Testing	§2103.12.h.1; §2108.02.b; §2108.02.e	The permittee shall perform emissions tests and evaluations for CO and VOC on each combustion stack of Coke Batteries 1, 2 and 3 to develop emission factors that can be applied to quantify CO & VOC emissions. Testing for CO and VOC shall be conducted in accordance with approved EPA Methods in Appendix A of 40 CFR Part 60, Article XXI §2108.02, and as approved by the Department. Reports of the stack testing results shall be submitted to the Department within 90 days of the date of the stack test. The evaluation report shall be made available to the Department upon request and at permit renewal	Record Review	Y	C	
V.A.2.e	Testing	§2103.12.h.1	The Department reserves the right to require additional emissions testing sufficient to assure compliance with the terms and conditions of this permit. Such testing shall be performed in accordance with Site Level Condition IV.13 above and Article XXI §2108.02.	Administrative Requirement	Y	C	
V.A.3.a	Monitoring		The permittee shall:	Administrative Requirement			
V.A.3.a.1	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(a)	Inspect the collecting main for leaks at least once daily according to the procedures in Method 303 in 40 CFR Part 63, Appendix A;	Record Review	Y	C	
V.A.3.a.2	Monitoring	§2103.12.h.6.; §63.309(b)	Record the time and date a leak in the collecting main is first observed, the time and date the leak is temporarily sealed, and the time and date of repair;	Record Review	Y	C	
V.A.3.a.3	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(c)	Temporarily seal any leak in the collecting main as soon as possible after detection, but no later than 4 hours after detection of the leak; and	Record Review	Y	C	
V.A.3.a.4	Monitoring	§2103.12.h.6; §63.309(d)	Initiate a collecting main repair as expeditiously as possible, but no later than 5 calendar days after initial detection of the leak. The repair shall be completed within 15 calendar days after initial detection of the leak unless an alternative schedule is approved by the Department.	Record Review	Y	C	

V.A.3.b	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(a)	Except as otherwise provided, a daily performance test shall be conducted each day, 7 days per week for each coke oven battery, the results of which shall be used in accordance with procedures in Conditions V.A.3.c below through V.A.3.f below to determine compliance with each of the applicable visible emission limitations for coke oven doors, topside port lids, offtake systems, and charging operations.	Record Review	Y	C	
V.A.3.b.1	Monitoring		Each performance test is to be conducted according to the procedures and requirements in Method 303 in Appendix A to 40 CFR Part 63 or Methods 9 and 22 in Appendix A to 40 CFR Part 60 (where applicable).	Record Review	Y	C	
V.A.3.b.2	Monitoring		Each performance test is to be conducted by a certified observer.	Record Review	Y	C	
V.A.3.b.3	Monitoring		The certified observer shall complete any reasonable safety training program offered by the permittee prior to conducting any performance test at a coke oven battery.	Record Review	Y	C	
V.A.3.b.4	Monitoring		Except as otherwise provided in §63.309(a)(5), the permittee shall pay an inspection fee to the Department each calendar quarter, as specified in §63.309(a)(4), to defray the costs of the daily performance tests required in Condition V.A.3.b above.	Record Review	Y	C	
V.A.3.b.5	Monitoring		If a facility pushes and charges only at night, then that facility must, at is option, change their schedule and charge during daylight hours or provide adequate lighting so that visible emission inspections can be made at night. "Adequate lighting" shall be determined by the Department.	Administrative Requirement	Y	C	
V.A.3.c	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(c)	The certified observer shall conduct each performance test according to the following requirements: [§2103.12.h.6.; §2103.12.i; §63.309(c)]	Administrative Requirement	Y	C	
V.A.3.c.1	Monitoring		The certified observer shall conduct one run each day to observe and record visible emissions from each coke oven door, topside port lid, and offtake system on each coke oven battery. The certified observer also shall conduct five runs to observe and record the seconds of visible emissions per charge for five consecutive charges from each coke oven battery. The observer may perform additional runs as needed to obtain and record a visible emissions value (or set of values) for an emission point that is valid under Method 303 in Appendix A of 40 CFR Part 63. Observations from fewer than five consecutive charges shall constitute a valid set of charging observations only in accordance with the procedures and conditions specified in Sections 3.8 and 3.9 of Method 303 in Appendix A of 40 CFR 63.	Record Review	Y	C	
V.A.3.c.2	Monitoring		If a valid visible emissions value (or set of values) is not obtained for a performance test, there is no compliance determination for that day. Compliance determinations will resume on the next day that a valid visible emissions value (or set of values) is obtained.	Record Review	Y	C	
V.A.3.c.3	Monitoring		After each performance test, the certified observer shall check and record the collecting main pressure according to the procedures in Section 6.3 of Method 303 in Appendix A of 40 CFR Part 63.	Record Review	Y	C	
V.A.3.c.3.a	Monitoring		The permittee shall demonstrate pursuant to Method 303 in Appendix A of 40 CFR 63 the accuracy of the pressure measurement device upon request of the certified observer.	Record Review	Y	C	
V.A.3.c.3.b	Monitoring		The permittee shall not adjust the pressure to a level below the range of normal operation during or prior to the inspection.	Record Review	Y	C	
V.A.3.c.4	Monitoring		In no case shall the permittee knowingly block a coke oven door, or any portion of a door for the purpose of concealing emissions or preventing observations by the certified observer.	Record Review	Y	C	
V.A.3.d	Monitoring	§2103.12.h.6; §2103.12.i; §63.309(d)	Using the observations obtained from each performance test, the Department shall compute and record, in accordance with the procedures and requirements of Method 303 in Appendix A of 40 CFR Part 63, for each day of operations on which a valid emissions value (or set of values) is obtained:	Administrative Requirement	Y	C	
V.A.3.d.1	Monitoring		The 30-run rolling average of the percent leaking coke oven doors, topside port lids, and offtake systems on each coke oven battery, using the equations in sections 4.5.3.2, 5.6.5.2, and 5.6.6.2 of Method 303 in Appendix A of 40 CFR 63;	Record Review	Y	C	
V.A.3.d.2	Monitoring		For by-product coke oven battery charging operations, the logarithmic 30-day rolling average of the seconds of visible emissions per charge for each battery, using the equation in section 3.9 of Method 303 in Appendix A of 40 CFR 63;	Record Review	Y	C	

V.A.3.e	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(e)	The certified observer shall make available to the Department as well as to the permittee, a copy of the daily inspection results by the end of the day and shall make available the calculated rolling average for each emission point to the permittee as soon as practicable following each performance test. The information provided by the certified observer is *not* a compliance determination. For the purpose of notifying the permittee of the results obtained by a certified observer, the person does not have to be certified.	Record Review	Y	C	
V.A.3.f	Monitoring	§2103.12.h.6.; §63.309(f)	Compliance shall not be determined more often than the schedule provided for performance tests in Condition V.A.3.b above. If additional valid emissions observations are obtained (or in the case of charging, valid sets of emission observations), the arithmetic average of all valid values (or valid sets of values) obtained during the day shall not be used in any computations performed to determine compliance under Condition V.A.3.d above or determinations under Condition IV.27 above	Administrative Requirement	Y	C	
V.A.3.g	Monitoring	§2103.12.h.6.; §63.309(h)	For a flare installed to meet the requirements of Conditions V.A.1.d above and V.A.1.e above:	Administrative Requirement	Y	C	
V.A.3.g.1	Monitoring		Compliance with the provisions in Condition V.A.1.i above (visible emissions from flares) shall be determined using Method 22 in Appendix A to 40 CFR Part 60, with an observation period of 2 hours; and	Direct Measurement and Record Review	Y	C	
V.A.3.g.2	Monitoring		Compliance with the provisions in Condition V.A.1.e above (flare pilot light) shall be determined using a thermocouple or any other equivalent device.	Process Knowledge & Physical Inspection	Y	C	
V.A.3.h	Monitoring	§2103.12.h.6; §63.309(i)	No observations obtained during any program for training or for certifying observers under 40 CFR 63, Subpart L shall be used to determine compliance with the requirements of Subpart L or any other federally enforceable standard.	Administrative Requirement	Y	C	
V.A.3.i	Monitoring	§§2103.12.h.6.; §2103.12.i; §63.7300(b)	The permittee shall prepare and operate at all times according to a written operation and maintenance plan for the general operation and maintenance of all coke oven batteries. Each plan must address, at a minimum, the following elements:	Record Review	Y	C	
V.A.3.i.1	Monitoring		Frequency and method of recording underfiring gas parameters.	Record Review	Y	C	
V.A.3.i.2	Monitoring		Frequency and method of recording battery operating temperature, including measurement of individual flue and cross-wall temperatures.	Record Review	Y	C	
V.A.3.i.3	Monitoring		Procedures to prevent pushing an oven before it is fully coked.	Record Review	Y	C	
V.A.3.i.4	Monitoring		Procedures to prevent overcharging and undercharging of ovens, including measurement of coal moisture, coal bulk density, and procedures for determining volume of coal charged.	Record Review	Y	C	
V.A.3.i.5	Monitoring		Frequency and procedures for inspecting flues, burners, and nozzles.	Record Review	Y	C	
V.A.3.i.6	Monitoring		Schedule and procedures for the daily washing of baffles.	Record Review	Y	C	
V.A.3.j	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7330(e)	The permittee shall monitor at all times the opacity of emissions exiting each coke oven battery stack using a COMS according to the requirements in V.A.3.m below.	Process Knowledge, Physical Inspection and Record Review	Y	C	
V.A.3.k	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7331(b)	The permittee shall conduct a performance evaluation of each CPMS in accordance with the site-specific monitoring plan .	Record Review	Y	C	
V.A.3.l	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7331(d)	The permittee shall operate and maintain each CPMS in continuous operation according to the site-specific monitoring plan	Record Review	Y	C	
V.A.3.m	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7331(f)	For coke oven battery, the permittee shall install, operate, and maintain a COMS to measure and record the opacity of emissions exiting each stack according to the requirements in Conditions V.A.3.m.1) through V.A.3.m.3)below:	Administrative Requirement	Y	C	
V.A.3.m.1	Monitoring		Install, operate, and maintain each COMS according to the requirements in §63.8(e) and Performance Specification 1 in 40 CFR Part 60, Appendix B. Identify periods when the COMS is out-of-control, including any periods that the COMS fails to pass a daily calibration drift assessment, quarterly performance audit, or annual zero alignment audit.	Physical Inspection & Record Review	Y	C	
V.A.3.m.2	Monitoring		Conduct a performance evaluation of each COMS according to the requirements in §63.8 and Performance Specification 1 in Appendix B to 40 CFR Part 60.	Record Review	Y	C	
V.A.3.m.3	Monitoring		Develop and implement a quality control program for operating and maintaining each COMS according to the requirements in §63.8(d). At minimum, the quality control program must include a daily calibration drift assessment, quarterly performance audit, and an annual zero alignment audit of each COMS.	Record Review	Y	C	

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V.A.3.m.4	Monitoring		Each COMS must complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period. You must reduce the COMS data as specified in §63.8(g)(2).	Record Review	Y	C	
V.A.3.m.5	Monitoring		Determine and record the hourly and daily (24-hour) average opacity according to the procedures in §63.7324(b) using all the 6-minute averages collected for periods during which the COMS is not out-of-control.	Record Review	Y	C	
V.A.3.n	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7332(a)	Except for monitor malfunctions, associated repairs, and required quality assurance or control activities (including as applicable, calibration checks and required zero and span adjustments), the permittee shall monitor continuously (or collect data at all required intervals) at all times the affected source is operating.	Process Knowledge & Record Review	Y	C	
V.A.3.o	Monitoring	§2103.12.h.6.; §63.7332(b)	The permittee shall not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels, or in fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing compliance. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitor to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.	Record Review	Y	C	
V.A.3.p	Monitoring	§2103.12.h.6; §2103.12.i; §63.7333(c)	The permittee shall demonstrate continuous compliance for each by-product coke oven battery subject to the opacity limit for stacks in Condition V.A.1.t.1) and V.A.1.t.2) above by meeting the requirements in Conditions V.A.3.p.1) and V.A.3.p.2) below:	Administrative Requirement	Y	C	
V.A.3.p.1	Monitoring		Maintaining the daily average opacity at or below 15 percent for a battery on a normal coking cycle or 20 percent for a battery on batterywide extended coking; and	Record Review	Y	C	
V.A.3.p.2	Monitoring		Operating and maintaining a COMS and collecting and reducing the COMS data according to Condition V.A.3.m above.	Record Review	Y	C	
V.A.4.a	Monitoring	CO&A	Observe 8 pushes per day and perform 4 soaking observations per day		Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013
V.A.4.a.1	Recording Keeping	§2103.12.h.6; §63.311(f); §2103.12.j	The permittee shall maintain files of all required information in a permanent form suitable for inspection at an onsite location for at least 1 year and must thereafter be accessible within 3 working days to the Department for a period of five years. Copies of the work practice plan developed under Condition IV.27 above and the startup, shutdown, and malfunction plan developed under V.A.6.e below shall be kept onsite at all times. The permittee shall maintain the following information:	Administrative Requirement	Y	C	
V.A.4.a.2	Recording Keeping		A copy of the work practice plan required by Condition IV.27 above and any revision to the plan;	Record Review	Y	C	
V.A.4.a.2.a	Recording Keeping		If the permittee is required under Condition V.A.6.b below to implement the provisions of a work practice plan for a particular emission point, the following records regarding the implementation of plan requirements for that emission point during the implementation of plan requirements for that emission point during the implementation period.	Administrative Requirement	Y	C	
V.A.4.a.2.b	Recording Keeping		Copies of all written and audiovisual materials used in the training, the dates of each class, the names of the participants in each class, and documentation that all appropriate personnel have successfully completed the training required under Condition IV.27.b.1) above;	Record Review	Y	C	
V.A.4.a.2.c	Recording Keeping		The records required to be maintained by the plan provisions implementing Condition IV.27.b.6) above;	Record Review	Y	C	
V.A.4.a.2.d	Recording Keeping		Records resulting from audits of the effectiveness of the work practice program for the particular emission point, as required under Conditions IV.27.b.2)a), IV.27.b.3)a), IV.27.b.4)a) or IV.27.b.5)a) above; and	Record Review	Y	C	
V.A.4.a.3	Recording Keeping		If the plan provisions for coke oven doors must be implemented, records of the inventory of doors and jambs as required under Condition IV.27.b.2)f) above; and	Record Review	Y	C	
V.A.4.a.4	Recording Keeping		The design drawings and engineering specifications for the bypass/bleeder stack flare system or approved alternative control device or system as required under Conditions V.A.1.a through V.A.1.e above.	Record Review	Y	C	
V.A.4.b	Recording Keeping		Records specified in Condition V.A.6.g below regarding the basis of each malfunction notification.	Record Review	Y	C	
V.A.4.b.1	Recording Keeping	§2103.12.j.; §63.7342(a)	The permittee shall keep the following records:	Administrative Requirement	Y	C	

V.A.4.b.2	Recording Keeping		A copy of each notification and report that was submitted to comply with this subpart, including all documentation supporting any initial notification or notification of compliance status that you submitted, according to the requirements in §63.10(b)(2)(xiv).	Record Review	Y	C	
V.A.4.b.3	Recording Keeping		The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.	Record Review	Y	C	
V.A.4.c	Recording Keeping		Records of performance tests, performance evaluations, and opacity observations as required in §63.10(b)(2)(viii).	Record Review	Y	C	
V.A.4.c.1	Recording Keeping	§2103.12.j.; §63.7342(b)	For each COMS or CEMS, the permittee shall keep the following records.	Administrative Requirement	Y	C	
V.A.4.c.2	Recording Keeping		Records described in §63.10(b)(2)(vi) through (xi).	Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.A.4.c.3	Recording Keeping		Monitoring data for COMS during a performance evaluation as required in §63.6(h)(7)(i) and (ii).	Record Review	Y	C	
V.A.4.c.4	Recording Keeping		Previous (that is, superseded) versions of the performance evaluation plan as required in §63.8(d)(3).	Record Review	Y	C	
V.A.4.d	Recording Keeping		Records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Record Review	Y	C	
V.A.4.e	Recording Keeping	§2103.12.j.; §63.7342(c)	The permittee shall keep the records in §63.6(h)(6) for visual observations.	Record Review	Y	C	
V.A.4.f	Recording Keeping	§2103.12.j.; §63.7343(b)	As specified in §63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.	Record Review	Y	C	
V.A.4.g	Recording Keeping	§2103.12.h.6; §63.7343(c)	The permittee shall keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records offsite for the remaining 3 years.	Record Review	Y	C	
V.A.4.h	Recording Keeping	§2103.12.j.; §63.7335(a)	For each by-product coke oven battery, the permittee must demonstrate continuous compliance with the operation and maintenance requirements in V.A.3.i above by adhering at all times to the plan requirements and recording all information needed to document.	Record Review	Y	C	
V.A.4.i	Recording Keeping	§2103.12.j.; §63.7334(d)	The permittee shall maintain a current copy of the operation and maintenance plans required in in V.A.3.i or §63.7300(b) onsite and available for inspection upon request. The plans shall be kept for the life of the affected source or until the affected source is no longer subject to the requirements of 40 CFR Part 63, Subpart CCCCC.	Record Review	Y	C	
V.A.5.a	Recording Keeping	§2103.12.j.; §63.7334(d)	The permittee must demonstrate continuous compliance to the work practice standard for soaking in V.A.6.k below, by maintaining records that document conformance with requirements in V.A.6.k.1) through V.A.6.k.3) below.	Record Review	Y	C	
V.A.5.a.1	Reporting	§2103.12.h.6; §2103.12.k; §2109.03 and Enforcement Order 702. E, 3/28/90	No later than twenty (20) days after the end of each month, a written report of a summary of the following during each such month shall be submitted to the Department:	Administrative Requirement	Y	C	
V.A.5.a.1.a	Reporting		For all coke batteries combined, the daily average for the month of:	Administrative Requirement	Y	C	
V.A.5.a.1.b	Reporting		Coal charged, in tons;	Record Review	Y	C	
V.A.5.a.1.c	Reporting		Coke produced, in tons;	Record Review	Y	C	
V.A.5.a.1.d	Reporting		Total coke oven gas produced, in MMCF;	Record Review	Y	C	
V.A.5.a.1.e	Reporting		Quench water used, in gallons;	Record Review	Y	C	
V.A.5.a.1.f	Reporting		Elemental sulfur produced, in tons;	Record Review	Y	C	
V.A.5.a.1.g	Reporting		Sulfur content of coal, in percent; and	Record Review	Y	C	
V.A.5.a.2	Reporting		Sulfur content of coke, in percent.	Record Review	Y	C	
V.A.5.a.2.a	Reporting		For all periods during which contaminated quench water was used:	Administrative Requirement	Y	C	
V.A.5.a.2.b	Reporting		The batteries affected;	Record Review	Y	C	
V.A.5.a.2.c	Reporting		The starting and ending dates and times;	Record Review	Y	C	
V.A.5.a.2.d	Reporting		The total time of each period, and total for the month, to the nearest tenth of an hour;	Record Review	Y	C	
V.A.5.a.2.e	Reporting		The corresponding Department Breakdown Number;	Record Review	Y	C	
V.A.5.a.2.f	Reporting		The average flow rates of contaminated water to both the quench towers and the water treatment plant during the period, each in gallons per minute; and	Record Review	Y	C	
V.A.5.b	Reporting		The reason(s) or cause(s) for each period.	Record Review	Y	C	
V.A.5.b.1	Reporting	§2103.12.k.; §63.7111(d)	The permittee shall include the following information in the semiannual compliance certification:	Administrative Requirement	Y	C	

V.A.5.b.2	Reporting		Certification, signed by the permittee, that no coke oven gas was vented, except through the bypass/bleeder stack flare system during the reporting period or that a venting report has been submitted according to the requirements in V.A.5.c below.	Record Review	Y	C	
V.A.5.b.3	Reporting		Certification, signed by the permittee, that a startup, shutdown, or malfunction event did not occur for a coke oven battery during the reporting period or that a startup, shutdown, and malfunction event did occur and a report was submitted according to the requirements in V.A.6.f below; and	Record Review	Y	C	
V.A.5.c	Reporting		Certification, signed by the permittee, that work practices were implemented if applicable under Condition IV.27 above.	Record Review	Y	C	
V.A.5.d	Reporting	§2103.12.k.; §63.311(e)	The permittee shall report any venting of coke oven gas through a bypass/bleeder stack that was not vented through the bypass/bleeder stack flare system to the Department as soon as practicable but no later than 24 hours after the beginning of the event. A written report shall be submitted within 30 days of the event and shall include a description of the event and, if applicable, a copy of the notification for a hazardous substance release required pursuant to 40 CFR 302.6.	Record Review	Y	C	
V.A.5.d.1	Reporting	§2103.12.k.; §63.310(d)	In order for the provisions of §63.310(j) to apply with respect to the observation (or set of observations) for a particular day, notification of a startup, shutdown, or a malfunction shall be made by the permittee as follows:	Administrative Requirement	Y	C	
V.A.5.d.2	Reporting		If practicable, to the certified observer if the observer is at the facility during the occurrence; or	Record Review	Y	C	
V.A.5.e	Reporting		To the Department, in writing, within 24 hours of the occurrence first being documented by a company employee, and if the notification was not made, an explanation of why no such notification was made.	Record Review	Y	C	
V.A.5.e.1	Reporting	§2103.12.k.; §63.310(e)	Within 14 days of the notification startup, shutdown, or a malfunction, the permittee shall submit a written report to the Department that:	Administrative Requirement	Y	C	
V.A.5.e.2	Reporting		Describes the time and circumstances of the startup, shutdown, or malfunction; and	Record Review	Y	C	
V.A.5.f	Reporting		Describes actions taken that might be considered inconsistent with the startup, shutdown, or malfunction plan.	Record Review	Y	C	
V.A.5.g	Reporting	§2103.12.k.; Enforcement Order, Signed March 17, 2008, Condition V.a.1	The permittee shall submit a written quarterly report within thirty (30) days after the close of each calendar quarter to the Department. The quarterly reports shall contain, at minimum the list of every clock hour in the calendar quarter that compliance is not achieved for Article XXI opacity limits applicable to Batteries 1-3 combustion stacks as measured by the combustion stacks continuous opacity monitor (COM). U.S. Steel shall indicate the date, time, root cause, and ovens that are believed to have contributed to the exceedance.	Record Review	Y	C	
V.A.5.h	Reporting	§2103.12.k.; Enforcement Order, Signed March 17, 2008, Condition V.b	The permittee shall submit to the Department a Semi-Annual Deviation Report for all deviations from Article XXI §2105.21(e)(4) and (e)(5) for Batteries 1-3	Record Review	Y	C	
V.A.5.i	Reporting	§2103.12.k; §63.7336(a)	The permittee shall report each instance in which each emission limitation in Conditions V.A.1.t and V.A.1.u was not met. This includes periods of startup, shutdown, and malfunction. The permittee shall also report each instance in which the permittee did not meet each work practice standard or operation and maintenance requirement in Conditions V.A.6.k, V.A.6.l and V.A.6.m. These instances are deviations from the emission limitations (including operating limits), work practice standards, and operation and maintenance requirements of 40 CFR Part 63, Subpart CCCCC. These deviations must be reported according to the requirements in V.A.5.k through V.A.5.n below.	Record Review	Y	C	
V.A.5.i.1	Reporting	§2103.12.k.; §63.7336(b)	During periods of startup, shutdown, and malfunction, you must operate in accordance with your startup, shutdown, and malfunction plan.	Administrative Requirement	Y	C	
V.A.5.i.2	Reporting		Consistent with §63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if you demonstrate th the Department's satisfaction that you were operating in accordance with the startup, shutdown, and malfunction plan.	Record Review	Y	C	
V.A.5.j	Reporting		The Department will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in §63.6(e).	Record Review	Y	C	
V.A.5.k	Reporting	§2103.12.k.; §63.7340(a)	The permittee shall submit all of the notifications in §63.6(h)(4) and (5), 63.7(b) and (c), 63.8(e) and (f)(4), and 63.9(b) through (h) that apply to you by the specified dates.	Record Review	Y	C	
V.A.5.k.1	Reporting	§2103.12.k.; §63.7341(a)	Unless the Department has approved a different schedule, the permittee must submit quarterly compliance reports for battery stacks according to the requirements in V.A.5.k.1) through V.A.5.k.2) below:	Administrative Requirement	Y	C	
V.A.5.k.2	Reporting		Each quarterly compliance report for battery stacks shall be submitted in accordance with General Condition III.15.g above.	Record Review	Y	C	

V.A.5.l	Reporting		All quarterly compliance reports for battery stacks must be postmarked or delivered no later than one calendar month following the end of the quarterly reporting period.	Record Review	Y	C	
V.A.5.m	Reporting	§2103.12.k; §63.7341(b)	Each quarterly compliance report must provide information on compliance with the emission limitations for battery stacks in V.A.1.1.1) above. The reports must include the information in Conditions V.A.5.m.1) through V.A.5.m.3) below, and as applicable, Conditions V.A.5.m.4) through V.A.5.m.8) below.	Record Review	Y	C	
V.A.5.m.1	Reporting	§2103.12.k; §63.7341(c)	Each semiannual compliance report must provide information on compliance with the emission limitations, work practice standards, and operation and maintenance requirements for all affected sources except battery stacks. The reports must include the information V.A.5.m.1) through V.A.5.m.3), and as applicable, Conditions V.A.5.m.4) through V.A.5.m.8) below.	Record Review	Y	C	
V.A.5.m.2	Reporting		Company name and address.	Record Review	Y	C	
V.A.5.m.3	Reporting		Statement by a responsible official, with the official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.	Record Review	Y	C	
V.A.5.m.4	Reporting		Date of report and beginning and ending dates of the reporting period.	Record Review	Y	C	
V.A.5.m.5	Reporting		If there was a startup, shutdown, or malfunction during the reporting period and the permittee took actions consistent with your startup, shutdown, and malfunction plan, the compliance report must include the information in §63.10(d)(5)(i).	Record Review	Y	C	
V.A.5.m.6	Reporting		If there were no deviations from the continuous compliance requirements in V.A.3.p for battery stacks, a statement that there were no deviations from the emission limitations during the reporting period.	Record Review	Y	C	
V.A.5.m.7	Reporting		If there were no periods during which a continuous monitoring system (including COMS, continuous emission monitoring system (CEMS), or CPMS) was out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which a continuous monitoring system was out-of-control during the reporting period.	Record Review	Y	C	
V.A.5.m.7.a	Reporting		For each deviation from an emission limitation in 40 CFR 63, Subpart CCCCC and for each deviation from the requirements for work practice standards in this 40 CFR Part 63, Subpart CCCCC that occurs at an affected source where you are not using a continuous monitoring system (including a COMS, CEMS, or CPMS) to comply with the emission limitations in this subpart, the compliance report must contain the information in Conditions V.A.5.m.4), V.A.5.m.7)a) and V.A.5.m.7)b) below. This includes periods of startup, shutdown, and malfunction.	Record Review	Y	C	
V.A.5.m.7.b	Reporting		The total operating time of each affected source during the reporting period.	Record Review	Y	C	
V.A.5.m.8	Reporting		Information on the number, duration, and cause of deviations (including unknown cause, if applicable) as applicable and the corrective action taken.	Record Review	Y	C	
V.A.5.m.8.a	Reporting		For each deviation from an emission limitation occurring at an affected source where you are using a continuous monitoring system (including COMS, CEMS, or CPMS) to comply with the emission limitation 40 CFR 63, Subpart CCCCC, the permittee must include the information in Conditions V.A.5.m.4), V.A.5.m.8)a) through V.A.5.m.8)h) below. This includes periods of startup, shutdown, and malfunction.	Administrative Requirement	Y	C	
V.A.5.m.8.b	Reporting		The date and time that each malfunction started and stopped.	Record Review	Y	C	
V.A.5.m.8.c	Reporting		The date and time that each continuous monitoring system (including COMS, CEMS, or CPMS) was inoperative, except for zero (low-level) and high-level checks.	Record Review	Y	C	
V.A.5.m.8.d	Reporting		The date, time, and duration that each continuous monitoring system (including COMS, CEMS, or CPMS) was out-of-control, including the information in §63.8(c)(8).	Record Review	Y	C	
V.A.5.m.8.e	Reporting		The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Record Review	Y	C	
V.A.5.m.8.f	Reporting		A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.	Record Review	Y	C	
V.A.5.m.8.g	Reporting		A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.	Record Review	Y	C	
V.A.5.m.8.h	Reporting		A summary of the total duration of continuous monitoring system downtime during the reporting period and the total duration of continuous monitoring system downtime as a percent of the total source operating time during the reporting period.	Record Review	Y	C	
V.A.5.m.8.i	Reporting		An identification of each HAP that was monitored at the affected source.	Record Review	Y	C	

V.A.5.m.8.i	Reporting		A brief description of the process units	Record Review	Y	C	
V.A.5.m.8.k	Reporting		A brief description of the continuous monitoring system	Record Review	Y	C	
V.A.5.m.8.l	Reporting		The date of the latest continuous monitoring system certification or audit.	Record Review	Y	C	
V.A.5.n	Reporting		A description of any changes in continuous monitoring systems, processes, or controls since the last reporting period.	Record Review	Y	C	
V.A.5.o	Reporting	§2103.12.k; §63.7341(d)	If the permittee had a startup, shutdown, or malfunction during the semiannual reporting period that was not consistent with your startup, shutdown, and malfunction plan, you must submit an immediate startup, shutdown, and malfunction report according to the requirements in §63.10(d)(5)(ii).	Record Review	Y	C	
V.A.6.a	Reporting	§2103.12.k; §63.7341(e)	If the permittee submits a compliance report for an affected source along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A), and the compliance report includes all the required information concerning deviations from any emission limitation or work practice standard in 40 CFR Part 63, Subpart CCCCC, submission of the compliance report satisfies any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report does not otherwise affect any obligation you may have to report deviations from permit requirements to the Department.	Administrative Requirement	Y	C	
V.A.6.b	Work Practice Standards	RACT Plan 234	Coke Oven Batteries 1, 2 and 3 shall be properly maintained and operated at all times according to good engineering and air pollution control practices .	Record Review	Y	C	
V.A.6.c	Work Practice Standards	§2103.12.h.6.; §63.310(a)	The permittee shall comply with the provisions of applicable work practice requirements in Site level Condition IV.27 above.	Record Review	Y	C	
V.A.6.d	Work Practice Standards	§2103.12.h.6.; §63.310(b)	The permittee shall develop and implement according to Condition V.A.6.d below, a written startup, shutdown, and malfunction plan that describes procedures for operating the battery, including associated air pollution control equipment, during a period of a startup, shutdown, or malfunction in a manner consistent with good air pollution control practices for minimizing emissions, and procedures for correcting malfunctioning process and air pollution control equipment as quickly as practicable. All the provisions of Site Level Condition IV.8 above remain applicable and are not superceded by operating in accordance with the startup, shutdown, and malfunction plan.	Record Review	Y	C	
V.A.6.d.1	Work Practice Standards	§2103.12.h.6.; §63.310(c)	During a period of startup, shutdown, or malfunction the permittee shall:	Administrative Requirement	Y	C	
V.A.6.d.2	Work Practice Standards		Operate the battery (including associated air pollution control equipment) in accordance with the procedure specified in the startup, shutdown, and malfunction plan; and	Process Knowledge & Record Review	Y	C	
V.A.6.e	Work Practice Standards		Correct malfunctions as soon as practicable after their occurrence, in accordance with the plan.	Record Review	Y	C	
V.A.6.e.1	Work Practice Standards	§2103.12.h.6.; §63.310(d)	In order for the provisions of Condition V.A.6.j below to apply with respect to the observation (or set of observations) for a particular day, notification of a startup, shutdown, or a malfunction shall be made by the permittee:	Administrative Requirement	Y	C	
V.A.6.e.2	Work Practice Standards		If practicable, to the certified observer if the observer is at the facility during the occurrence; or		Y	C	
V.A.6.f	Work Practice Standards		To the Department, in writing, within 24 hours of the occurrence first being documented by a company employee, and if the notification under Condition V.A.6.e.1) above was not made, an explanation of why no such notification was made.	Record Review	Y	C	
V.A.6.f.1	Work Practice Standards	§2103.12.h.6.; §63.310(e)	Within 14 days of the notification made under Condition V.A.6.e above, or after a startup or shutdown, the permittee shall submit a written report to the Department that:	Record Review	Y	C	
V.A.6.f.2	Work Practice Standards		Describes the time and circumstances of the startup, shutdown, or malfunction; and	Record Review	Y	C	
V.A.6.g	Work Practice Standards		Describes actions taken that might be considered inconsistent with the startup, shutdown, or malfunction plan.	Record Review	Y	C	
V.A.6.h	Work Practice Standards	§2103.12.h.6.; §63.310(f)	The permittee shall maintain a record of internal reports which form the basis of each malfunction notification under Condition V.A.6.e above.	Record Review	Y	C	
V.A.6.i	Work Practice Standards	§2103.12.h.6; §63.310(g)	To satisfy the requirements of §63.310 to develop a startup, shutdown, and malfunction plan, the permittee may use the standard operating procedures manual for the battery, provided the manual meets all the requirements §63.310 and is made available for inspection at reasonable times when requested by the Department.	Administrative Requirement	Y	C	
V.A.6.i.1	Work Practice Standards	§2103.12.h.6.; §63.310(h)	The Department may require reasonable revisions to a startup, shutdown, and malfunction plan, if the Department finds that the plan:	Administrative Requirement	Y	C	
V.A.6.i.2	Work Practice Standards		Does not address a startup, shutdown, or malfunction event that has occurred;	Record Review	Y	C	

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V.A.6.i.3	Work Practice Standards		Fails to provide for the operation of the source (including associated air pollution control equipment) during a startup, shutdown, or malfunction event in a manner consistent with good air pollution control practices for minimizing emissions; or	Record Review	Y	C	
V.A.6.j	Work Practice Standards		Does not provide adequate procedures for correcting malfunctioning process and/or air pollution control equipment as quickly as practicable.	Record Review	Y	C	
V.A.6.j.1	Work Practice Standards	§2103.12.h.6; §63.3100(j)	If the permittee demonstrates to the satisfaction of the Department that a startup, shutdown, or malfunction has occurred, then an observation occurring during such startup, shutdown, or malfunction shall not	Administrative Requirement	Y	C	
V.A.6.j.2	Work Practice Standards		Constitute a violation of relevant requirements of 40 CFR 63, Subpart L;	Administrative Requirement	Y	C	
V.A.6.j.3	Work Practice Standards		Be used in any compliance determination under §63.309; or	Administrative Requirement	Y	C	
V.A.6.k	Work Practice Standards		Be considered for purposes of Condition IV.27 above, until the Department has resolved the claim that a startup, shutdown, or malfunction has occurred. If the Department determines that a startup, shutdown, or malfunction has not occurred, such observations may be used for purposes of Conditions IV.27 above, regardless of whether the permittee further contests such determination. The permittee's receipt of written notification from the Department that a startup, shutdown, or malfunction has not occurred will serve, where applicable under Conditions IV.27 above, as written notification from the certified observer that an exceedance has occurred.	Record Review	Y	C	
V.A.6.k.1	Work Practice Standards	§2103.12.h.6; §63.7294(a)	The permittee shall prepare and operate at all times according to a written work practice plan for soaking. Each plan must include measures and procedures to:	Administrative Requirement	Y	C	
V.A.6.k.2	Work Practice Standards		Train topside workers to identify soaking emissions that require corrective actions	Record Review	Y	C	
V.A.6.k.3	Work Practice Standards		Damper the oven off the collecting main prior to opening the standpipe cap.	Record Review	Y	C	
V.A.6.k.4	Work Practice Standards		Determine the cause of soaking emissions that do not ignite automatically, including emissions that result from raw coke oven gas leaking from the collecting main through the damper, and emissions that result from incomplete coking.	Record Review	Y	C	
V.A.6.k.5	Work Practice Standards		If soaking emissions are caused by leaks from the collecting main, take corrective actions to eliminate the soaking emissions. Corrective actions may include, but are not limited to, resecating the damper, cleaning the flushing liquor piping, using aspiration, putting the oven back on the collecting main, or igniting the emissions.	Record Review	Y	C	
V.A.6.l	Work Practice Standards		If soaking emissions are not caused by leaks from the collecting main, notify a designated responsible party. The responsible party must determine whether the soaking emissions are due to incomplete coking. If incomplete coking is the cause of the soaking emissions, you must put the oven back on the collecting main until it is completely coked or you must ignite the emissions.	Record Review	Y	C	
V.A.6.m	Work Practice Standards	§2103.12.h.6; §63.7294(b)	As provided in §63.6(g), the permittee may request to use an alternative to the work practice standard for soaking in Condition V.A.6.k above.	Administrative Requirement	Y	C	
V.A.7	Work Practice Standards	§2103.12.h.6; §63.7310(a)	The permittee shall be in compliance with the emission limitations, work practice standards, and operation and maintenance requirements of 40 CFR 63, Subpart CCCCC at all times, except during periods of startup, shutdown, and malfunction as defined in §63.2.	Physical Inspection & Record Review	Y	C	
	Additional Requirements		The definitions in 40 CFR 63.7352 are hereby incorporated into this permit by reference.	Administrative Requirement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.A.1.a	Restrictions	2103.12.h.6; 63.307(a)(1)	The permittee shall install, operate and maintain a bypass/bleeder stack flare system in each battery that is capable of controlling 120 percent of the normal gas flow generated by each battery, which shall thereafter be operated and maintained.	Process Knowledge & Physical Inspection	Y	C	
V.A.1.b	Restrictions	§2103.12.h.6.; §63.307(a)(2)	Coke oven emissions shall not be vented to the atmosphere through bypass/bleeder stacks, except through the flare system, or the alternative control device as described in V.A.1.c below.	Process Knowledge & Physical Inspection	Y	C	
V.A.1.c	Restrictions	§2103.12.h.6; §63.307(d)	As an alternative to the installation, operation, and maintenance of a flare system as required in Conditions V.A.1.a above and V.A.1.b above, the owner or operator may petition the Administrator and the Department for approval of an alternative control device or system that achieves at least 98 percent destruction or control of coke oven emissions vented to the alternative control device or system.	Administrative Requirement	Y	C	
V.A.1.d	Restrictions	§2103.12.h.6; §63.307(b)(1)	The emergency bypass/bleeder stack flare system for each battery shall be designed for a net heating value of 240 Btu per standard cubic feet (Btu/scf).	Engineering Judgement	Y	C	
V.A.1.e	Restrictions	§2103.12.h.6.; §63.307(b)(2); §63.307(b)(4) and §63.309(h)(2)	Each flare shall have a continuously operable pilot flame that is present at all times as determined by a thermocouple or any other equivalent device.	Process Knowledge & Physical Inspection	Y	C	
V.A.1.f	Restrictions	§2105.21.b.5	The permittee shall not operate, or allow to be operated, coke oven batteries 1, 2 or 3 unless there is installed big plug doors on the coke side of each oven. A big plug door is a door that, when installed, contains a plug with minimum dimensions of 18-1/4" minimum width and 14-1/2" minimum depth.	Process Knowledge & Physical Inspection	Y	C*	**The compliance certification contained in this submittal is based on the understanding that big plug doors meet the specified dimensions when initially installed except that portion of the plug located in the tunnel head above the design coal line. The plugs may experience inconsequential dimensional changes over time in te course of normal operation.**
V.A.1.g	Restrictions	§2103.12.h.6; §63.310(a)	At all times including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain the coke oven batteries and the pollution control equipment required under 40 CFR Part 63, Subpart L, in a manner consistent with good air pollution control practices for minimizing emissions to the levels required by any applicable performance standards under Subpart L. Failure to adhere to these requirements shall not constitute a separate violation if a violation of an applicable performance or work practice standard has also occurred.	Record Review	Y	C	
V.A.1.h	Restrictions	§2105.21.h; §2105.21.h.4	The permittee shall not operate, or allow to be operated, any source in such manner that unburned coke oven gas is emitted into the open air. In addition, the permittee shall not flare, mix, or combust coke oven gas, or allow such gas to be flared, mixed or combusted unless the concentration of sulfur compounds, measured as hydrogen sulfide, in such gas is less than or equal to 40 grains per hundred dry standard cubic feet of coke oven gas produced by Clairton Works, when all sulfur emissions from the Claus Sulfur Recovery Plant and the tail gas cleaning equipment thereon, expressed as equivalent H2S are added to the measured H2S. The concentration of sulfur compounds specified shall include the tail-gas sulfur, measured as hydrogen sulfide, emitted from sulfur removal equipment.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.A.1.i	Restrictions	§2103.12.h.6.; §63.307(c) and §63.309(h)(1)	Each flare installed to meet the requirements of Conditions V.A.1.a through V.A.1.e above shall be operated with no visible emissions, as determined by Method 22 in Appendix A of 40 CFR Part 60, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.	Direct Measurement & Record Review	Y	C	
V.A.1.j	Restrictions	§2103.12.h.6.; §63.304(b)(2)(ii)(iv), §63.304(b)(3)(iii)	The permittee shall not cause to be discharged or allow to be discharged to the atmosphere coke oven emissions that exceed any of the following emission limitations:	Administrative Requirement	Y	C	
V.A.1.j.1	Restrictions	§2103.12.h.6.; §63.304(b)(2)(ii)(iv); §63.304(b)(3)(ii)	3.3 percent leaking coke oven doors as determined by the procedures in Condition V.A.3.d.1) below;	Direct Measurement & Record Review	Y	C	
V.A.1.j.2	Restrictions	§2103.12.h.6.; §63.304(b)(2)(ii)(iv); §63.304(b)(3)(ii)	0.8 percent leaking topside port lids, as determined by the procedures in Condition V.A.3.d.1) below;	Direct Measurement & Record Review	Y	C	

V.A.1.ij3	Restrictions	§2103.12.h.6.; §63.304(b)(2)(ii)(iv); §63.304(b)(3)(i)	2.5 percent leaking offtake system(s), as determined by the procedures in Condition V.A.3.d.1) below, and	Direct Measurement & Record Review	Y	C	
V.A.1.j.4	Restrictions	§2103.12.h.6.; §63.304(b)(2)(ii)(iv); §63.304(b)(3)(ii)	12 seconds of visible emissions per charge, as determined by the procedures in Condition V.A.3.d.2) below.	Direct Measurement & Record Review	Y	C	
V.A.1.k	Restrictions	§2103.12.h.6; §63.306(c)(1)(i)	The permittee shall implement the provisions of the work practice plan required by Condition IV.27 above following the second independent exceedance of the visible emission limitation for the emission point in any consecutive 6-month period, by no later than 3 days after receipt of written notification of the second such exceedance from the certified observer.	Record Review	Y	C	
V.A.1.l	Restrictions	§2105.21.a.2	The permittee shall not operate, or allow to be operated any battery of coke ovens in such manner that the aggregate of visible charging emissions exceeds a total of 75 seconds during any four (4) consecutive charges on such battery.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.A.1.m	Restrictions	§2105.21	The permittee shall not operate, or allow to be operated Coke Oven Batteries 1, 2 or 3 in such manner that emissions from the door areas of any coke oven exceed an opacity of 40% at any time 15 or more minutes after such oven has been charged.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.A.1.n	Restrictions	§2105.21.b.3.A, B & C	The permittee shall not operate, or allow to be operated Coke Oven Batteries 1, 2 or 3 in such manner that, at any time, there are visible emissions from more than eight percent (8%) of the door areas of the operating coke ovens in such battery, excluding the two door areas of the last oven charged and any door areas obstructed from view.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.A.1.o	Restrictions	§2105.21.c.2	The permittee shall not operate, or allow to be operated Coke Oven Batteries 1, 2 or 3 in such manner that, at any time, there are visible emissions from more than two percent (2%) of the charging ports or charging port seals on the operating coke ovens of such battery.	Direct Measurement & Record Review	Y	C	
V.A.1.p	Restrictions	§2105.21.d.2	The permittee shall not operate, or allow to be operated Coke Oven Batteries 1, 2 or 3 in such manner that, at any time, there are visible emissions from more than five percent (5%) of the offtake piping on the operating coke ovens of such battery.	Direct Measurement & Record Review	Y	C	
V.A.1.q	Restrictions	§2105.21.e.5	The permittee shall not operate, or allow to be operated Coke Oven Batteries 1, 2 or 3 in such manner that visible emissions from the transport of hot coke in the open atmosphere exceed ten percent (10%) opacity at any time.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013. USS is complying with the existing CO&A regarding Battery 3 travel opacity requirements
V.A.1.r	Restrictions	§2105.21.f.2	The permittee shall not operate, or allow to be operated, Coke Oven Batteries 1, 2 or 3 in such manner that, at any time, emissions from the combustion stack serving such battery exceed a particulate concentration of 0.030 grains per dry standard cubic foot.	Direct Measurement & Record Review	Y	C	
V.A.1.s	Restrictions	§2105.21.f.3&4	The permittee shall not operate, or allow to be operated, Coke Oven Batteries 1, 2 or 3 in such manner that, at any time, emissions from the combustion stack serving each battery equal or exceed an opacity of 20% for a period or periods aggregating in exceed an opacity of 60% at any time.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013. USS is complying with the existing CO&A regarding Battery 3 stack opacity requirements
V.A.1.t	Restrictions	§2103.12.h.6.; §63.7296(a) and (b)	The permittee shall not discharge to the atmosphere any emissions from any battery stack that exhibit an opacity greater than the following applicable limits:	Administrative Requirement	Y	C	
V.A.1.t.1	Restrictions	§2103.12.h.6.; §63.7296(a) and (b)	Daily average of 15 percent opacity for a battery on a normal coking cycle.	Direct Measurement & Record Review	Y	C	
V.A.1.t.2	Restrictions	§2103.12.h.6.; §63.7296(a) and (b)	Daily average of 20 percent opacity for a battery on batterywide extended coking.	Direct Measurement & Record Review	Y	C	
V.A.1.u	Restrictions	§2103.12.h.6; §63.7326(d)	The permittee shall submit a notification of compliance status containing the results of the COMS performance test for battery stacks within 30 calendar days following the completion of the compliance demonstration. For each particulate matter emission limitation that applies to you, the permittee shall submit a notification of compliance status containing the results of the performance test within 60 calendar days following completion of the performance test according to §63.10(d).	Record Review	Y	C	
V.A.1.v	Restrictions	§2105.21.f.2; §2105.21.h.4; §2103.12.c; §2101.11.b & c	Emissions from each combustion stack for Coke Batteries No. 1, No. 2 or No. 3 shall not exceed the emission limitations in Table V-A-1.	Administrative Requirement	Y	C	
V.A.1.v.1	Restrictions		POLLUTANT HOURLY LIMIT (lb/hr) ANNUAL LIMIT				

V.A.1.v.1	Restrictions		PM 14.47 63.38		Y	C		
V.A.1.v.1	Restrictions		PM-10 14.47 63.38		Y	C		
V.A.1.v.1	Restrictions		PM 2.5 14.47 63.38		Y	C		
V.A.1.v.1	Restrictions		SO2 31.8 139.46		Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013	
V.A.1.v.1	Restrictions		A year is defined as any consecutive 12-month period.					
V.A.2.a	Testing	§2103.12.h.1; §2108.02.e; Second Consent Decree 6/24/93	The permittee shall have PM, $PM_{2.5}$ and PM_{10} particulate emissions stack tests performed on each combustion stack of Coke Batteries 1, 2 and 3 at least once every four (4) years to demonstrate compliance with the mass emission standard in Condition V.A.1.v above . Particulate emission tests shall be conducted according to the methodology specified in 40 CFR 60, Appendix A, Methods 1 through 5, 201A and 202 (or other method specified). The permittee shall submit a stack test protocol to the Department for approval at least 45 days prior to the test dates. During each stack test performed, simultaneous visible emission evaluations shall be conducted according to the methodology specified in 40 CFR 60, Appendix A, Method 9, except for the provisions of Section 2.5 of Method 9.	Record Review	Y	C		
V.A.2.b	Testing	§2108.02.b. & .e	The permittee shall have sulfur dioxide (SO_2) emissions stack tests performed on each combustion stack of Coke Batteries 1, 2 and 3 at least once every two years to demonstrate compliance with the mass emission limitations for each combustion stack in Condition V.A.1.v above. SO2 emission tests shall be conducted according to Method 6, 6A, 6B, or 6C specified in 40 CFR 60, Appendix A. The permittee shall submit a stack test protocol to the Department for approval at least 45 days prior to the test dates. [§2108.02.b. & .e]	Record Review	Y	C		
V.A.2.c	Testing	§2103.12.h.1; §2108.02.b; §2108.02.e	The permittee shall perform emissions testing and evaluations for NO_x on each combustion stack of Coke Batteries 1, 2 and 3 to develop emission factors that can be applied to quantify NO_x emissions. This evaluation shall include stack testing, an analysis of B Battery CEM data, and an evaluation of gas combustion and operating variables that affect NO_x. Testing for NO_x shall be conducted at least once every two years in accordance with approved EPA Methods in Appendix A of 40 CFR Part 60, Article XXI §2108.02, and as approved by the Department. Reports of stack testing results shall be submitted to the Department within 90 days of the date of the stack test. The evaluation report shall be made available to the Department upon request and at permit renewal.	Record Review	Y	C		
V.A.2.d	Testing	§2103.12.h.1; §2108.02.b; §2108.02.e	The permittee shall perform emissions tests and evaluations for CO and VOC on each combustion stack of Coke Batteries 1, 2 and 3 to develop emission factors that can be applied to quantify CO & VOC emissions. Testing for CO and VOC shall be conducted in accordance with approved EPA Methods in Appendix A of 40 CFR Part 60, Article XXI §2108.02, and as approved by the Department. Reports of the stack testing results shall be submitted to the Department within 90 days of the date of the stack test. The evaluation report shall be made available to the Department upon request and at permit renewal.	Record Review	Y	C		
V.A.2.e	Testing	§2103.12.h.1	The Department reserves the right to require additional emissions testing sufficient to assure compliance with the terms and conditions of this permit. Such testing shall be performed in accordance with Site Level Condition IV.13 above and Article XXI §2108.02.	Administrative Requirement	Y	C		
V.A.3.a	Monitoring		The permittee shall:	Administrative Requirement				
V.A.3.a.1	Monitoring	§2103.12.h.6.; §2103.12.i; §63.308(a)	Inspect the collecting main for leaks at least once daily according to the procedures in Method 303 in 40 CFR Part 63, Appendix A;	Record Review	Y	C		
V.A.3.a.2	Monitoring	§2103.12.h.6.; §63.308(b)	Record the time and date a leak in the collecting main is first observed, the time and date the leak is temporarily sealed, and the time and date of repair;	Record Review	Y	C		
V.A.3.a.3	Monitoring	§2103.12.h.6.; §2103.12.i; §63.308(c)	Temporarily seal any leak in the collecting main as soon as possible after detection, but no later than 4 hours after detection of the leak; and	Record Review	Y	C		
V.A.3.a.4	Monitoring	§2103.12.h.6; §63.308(d)	Initiate a collecting main repair as expeditiously as possible, but no later than 5 calendar days after initial detection of the leak. The repair shall be completed within 15 calendar days after initial detection of the leak unless an alternative schedule is approved by the Department.	Record Review	Y	C		

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V.A.3.b	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(a)	Except as otherwise provided, a daily performance test shall be conducted each day, 7 days per week for each coke oven battery, the results of which shall be used in accordance with procedures in Conditions V.A.3.c below through V.A.3.f below to determine compliance with each of the applicable visible emission limitations for coke oven doors, topside port lids, offtake systems, and charging operations.	Record Review	Y	C	
V.A.3.b.1	Monitoring		Each performance test is to be conducted according to the procedures and requirements in Method 303 in Appendix A to 40 CFR Part 63 or Methods 9 and 22 in Appendix A to 40 CFR Part 60 (where applicable).	Record Review	Y	C	
V.A.3.b.2	Monitoring		Each performance test is to be conducted by a certified observer.	Record Review	Y	C	
V.A.3.b.3	Monitoring		The certified observer shall complete any reasonable safety training program offered by the permittee prior to conducting any performance test at a coke oven battery.	Record Review	Y	C	
V.A.3.b.4	Monitoring		Except as otherwise provided in §63.309(a)(5), the permittee shall pay an inspection fee to the Department each calendar quarter, as specified in §63.309(a)(4), to defray the costs of the daily performance tests required in Condition V.A.3.b above.	Record Review	Y	C	
V.A.3.b.5	Monitoring		If a facility pushes and charges only at night, then that facility must, at its option, change their schedule and charge during daylight hours or provide adequate lighting so that visible emission inspections can be made at night. "Adequate lighting" shall be determined by the Department.	Administrative Requirement	Y	C	
V.A.3.c	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(c)	The certified observer shall conduct each performance test according to the following requirements: [§2103.12.h.6.; §2103.12.i; §63.309(c)]	Administrative Requirement	Y	C	
V.A.3.c.1	Monitoring		The certified observer shall conduct one run each day to observe and record visible emissions from each coke oven door, topside port lid, and offtake system on each coke oven battery. The certified observer also shall conduct five runs to observe and record the seconds of visible emissions per charge for five consecutive charges from each coke oven battery. The observer may perform additional runs as needed to obtain and record a visible emissions value (or set of values) for an emission point that is valid under Method 303 in Appendix A of 40 CFR Part 63. Observations from fewer than five consecutive charges shall constitute a valid set of charging observations only in accordance with the procedures and conditions specified in Sections 3.8 and 3.9 of Method 303 in Appendix A of 40 CFR 63.	Record Review	Y	C	
V.A.3.c.2	Monitoring		If a valid visible emissions value (or set of values) is not obtained for a performance test, there is no compliance determination for that day. Compliance determinations will resume on the next day that a valid visible emissions value (or set of values) is obtained.	Record Review	Y	C	
V.A.3.c.3	Monitoring		After each performance test, the certified observer shall check and record the collecting main pressure according to the procedures in Section 6.3 of Method 303 in Appendix A of 40 CFR Part 63.	Record Review	Y	C	
V.A.3.c.3.a	Monitoring		The permittee shall demonstrate pursuant to Method 303 in Appendix A of 40 CFR 63 the accuracy of the pressure measurement device upon request of the certified observer.	Record Review	Y	C	
V.A.3.c.3.b	Monitoring		The permittee shall not adjust the pressure to a level below the range of normal operation during or prior to the inspection.	Record Review	Y	C	
V.A.3.c.4	Monitoring		In no case shall the permittee knowingly block a coke oven door, or any portion of a door for the purpose of concealing emissions or preventing observations by the certified observer.	Record Review	Y	C	
V.A.3.d	Monitoring	§2103.12.h.6; §2103.12.i; §63.309(d)	Using the observations obtained from each performance test, the Department shall compute and record, in accordance with the procedures and requirements of Method 303 in Appendix A of 40 CFR Part 63, for each day of operations on which a valid emissions value (or set of values) is obtained:	Administrative Requirement	Y	C	
V.A.3.d.1	Monitoring		The 30-run rolling average of the percent leaking coke oven doors, topside port lids, and offtake systems on each coke oven battery, using the equations in sections 4.5.3.2, 5.6.5.2, and 5.6.6.2 of Method 303 in Appendix A of 40 CFR 63.	Record Review	Y	C	
V.A.3.d.2	Monitoring		For by-product coke oven battery charging operations, the logarithmic 30-day rolling average of the seconds of visible emissions per charge for each battery, using the equation in section 3.9 of Method 303 in Appendix A of 40 CFR 63;	Record Review	Y	C	

V.A.3.e	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(e)	The certified observer shall make available to the Department as well as to the permittee, a copy of the daily inspection results by the end of the day and shall make available the calculated rolling average for each emission point to the permittee as soon as practicable following each performance test. The information provided by the certified observer is not a compliance determination. For the purpose of notifying the permittee of the results obtained by a certified observer, the person does not have to be certified.	Record Review	Y	C	
V.A.3.f	Monitoring	§2103.12.h.6.; §63.309(f)	Compliance shall not be determined more often than the schedule provided for performance tests in Condition V.A.3.h above. If additional valid emission observations are obtained (or in the case of charging, valid sets of emission observations), the arithmetic average of all valid values (or valid sets of values) obtained during the day shall not be used in any computations performed to determine compliance under Condition V.A.3.d above or determinations under Condition IV.27 above.	Administrative Requirement	Y	C	
V.A.3.g	Monitoring	§2103.12.h.6.; §63.309(h)	For a flare installed to meet the requirements of Conditions V.A.1.d above and V.A.1.e above:	Administrative Requirement	Y	C	
V.A.3.g.1	Monitoring		Compliance with the provisions in Condition V.A.1.i above (visible emissions from flares) shall be determined using Method 22 in Appendix A to 40 CFR Part 60, with an observation period of 2 hours; and	Direct Measurement and Record Review	Y	C	
V.A.3.g.2	Monitoring		Compliance with the provisions in Condition V.A.1.e above (flare pilot light) shall be determined using a thermocouple or any other equivalent device.	Process Knowledge & Physical Inspection	Y	C	
V.A.3.h	Monitoring	§2103.12.h.6; §63.309(i)	No observations obtained during any program for training or for certifying observers under 40 CFR 63, Subpart L shall be used to determine compliance with the requirements of Subpart L or any other federally enforceable standard.	Administrative Requirement	Y	C	
V.A.3.i	Monitoring	(§2103.12.h.6.; §2103.12.i; §63.7300(b)	The permittee shall prepare and operate at all times according to a written operation and maintenance plan for the general operation and maintenance of all coke oven batteries. Each plan must address, at a minimum, the following elements:	Record Review	Y	C	
V.A.3.i.1	Monitoring		Frequency and method of recording underfiring gas parameters	Record Review	Y	C	
V.A.3.i.2	Monitoring		Frequency and method of recording battery operating temperature, including measurement of individual flue and cross-wall temperatures.	Record Review	Y	C	
V.A.3.i.3	Monitoring		Procedures to prevent pushing an oven before it is fully coked	Record Review	Y	C	
V.A.3.i.4	Monitoring		Procedures to prevent overcharging and undercharging of ovens, including measurement of coal moisture, coal bulk density, and procedures for determining volume of coal charged.	Record Review	Y	C	
V.A.3.i.5	Monitoring		Frequency and procedures for inspecting flues, burners, and nozzles	Record Review	Y	C	
V.A.3.i.6	Monitoring		Schedule and procedures for the daily washing of baffles	Record Review	Y	C	
V.A.3.j	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7330(e)	The permittee shall monitor at all times the opacity of emissions exiting each coke oven battery stack using a COMS according to the requirements in V.A.3.m below.	Process Knowledge, Physical Inspection and Record Review	Y	C	
V.A.3.k	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7331(f)	The permittee shall conduct a performance evaluation of each CPMS in accordance with the site-specific monitoring plan.	Record Review	Y	C	
V.A.3.l	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7331(d)	The permittee shall operate and maintain each CPMS in continuous operation according to the site-specific monitoring plan.	Process Knowledge	Y	C	
V.A.3.m	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7331(i)	For coke oven battery, the permittee shall install, operate, and maintain a COMS to measure and record the opacity of emissions exiting each stack according to the requirements in Conditions V.A.3.m.1) through V.A.3.m.5) below:	Administrative Requirement	Y	C	
V.A.3.m.1	Monitoring		Install, operate, and maintain each COMS according to the requirements in §63.8(e) and Performance Specification 1 in 40 CFR Part 60, Appendix B. Identify periods when the COMS is out-of-control, including any periods that the COMS fails to pass a daily calibration drift assessment, quarterly performance audit, or annual zero alignment audit.	Physical Inspection & Record Review	Y	C	
V.A.3.m.2	Monitoring		Conduct a performance evaluation of each COMS according to the requirements in §63.8 and Performance Specification 1 in Appendix B to 40 CFR Part 60.	Record Review	Y	C	
V.A.3.m.3	Monitoring		Develop and implement a quality control program for operating and maintaining each COMS according to the requirements in §63.8(d). At minimum, the quality control program must include a daily calibration drift assessment, quarterly performance audit, and an annual zero alignment audit of each COMS.	Record Review	Y	C	

V.A.3.m.4	Monitoring		Each COMS must complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period. You must reduce the COMS data as specified in §63.8(g)(2).	Record Review	Y	C	
V.A.3.m.5	Monitoring		Determine and record the hourly and daily (24-hour) average opacity according to the procedures in §63.7324(b) using all the 6-minute averages collected for periods during which the COMS is not out-of-control.	Record Review	Y	C	
V.A.3.n	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7332(a)	Except for monitor malfunctions, associated repairs, and required quality assurance or control activities (including as applicable, calibration checks and required zero and span adjustments), the permittee shall monitor continuously (or collect data at all required intervals) at all times the affected source is operating.	Process Knowledge & Record Review	Y	C	
V.A.3.o	Monitoring	§2103.12.h.6.; §63.7332(b)	The permittee shall not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels, or in fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing compliance. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitor to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.	Record Review	Y	C	
V.A.3.p	Monitoring	§2103.12.h.6; §2103.12.i; §63.7333(e)	The permittee shall demonstrate continuous compliance for each by-product coke oven battery subject to the opacity limit for stacks in Condition V.A.1.t.1) and V.A.1.t.2) above by meeting the requirements in Conditions V.A.3.p.1) and V.A.3.p.2) below.	Administrative Requirement	Y	C	
V.A.3.p.1	Monitoring		Maintaining the daily average opacity at or below 15 percent for a battery on a normal coking cycle or 20 percent for a battery on batterywide extended coking; and	Record Review	Y	C	
V.A.3.p.2	Monitoring		Operating and maintaining a COMS and collecting and reducing the COMS data according to Condition V.A.3.m above.	Record Review	Y	C	
V.A.4.a	Monitoring	CO&A	Observe 8 pushes per day and perform 4 soaking observations per day		Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2012.
V.A.4.a.1	Recording Keeping	§2103.12.h.6; §63.311(f); §2103.12.j	The permittee shall maintain files of all required information in a permanent form suitable for inspection at an onsite location for at least 1 year and must thereafter be accessible within 3 working days to the Department for a period of five years. Copies of the work practice plan developed under Condition IV.27 above and the startup, shutdown, and malfunction plan developed under V.A.6.c below shall be kept onsite at all times. The permittee shall maintain the following information:	Administrative Requirement	Y	C	
V.A.4.a.2	Recording Keeping		A copy of the work practice plan required by Condition IV.27 above and any revision to the plan.	Record Review	Y	C	
V.A.4.a.2.a	Recording Keeping		If the permittee is required under Condition V.A.6.b below to implement the provisions of a work practice plan for a particular emission point, the following records regarding the implementation of plan requirements for that emission point during the implementation of plan requirements for that emission point during the implementation period:	Administrative Requirement	Y	C	
V.A.4.a.2.b	Recording Keeping		Copies of all written and audiovisual materials used in the training, the dates of each class, the names of the participants in each class, and documentation that all appropriate personnel have successfully completed the training required under Condition IV.27.b.11 above;	Record Review	Y	C	
V.A.4.a.2.c	Recording Keeping		The records required to be maintained by the plan provisions implementing Condition IV.27.b.6) above;	Record Review	Y	C	
V.A.4.a.2.d	Recording Keeping		Records resulting from audits of the effectiveness of the work practice program for the particular emission point, as required under Conditions IV.27.b.2)a), IV.27.b.3)a), IV.27.b.4)a) or IV.27.b.5)a) above; and	Record Review	Y	C	
V.A.4.a.3	Recording Keeping		If the plan provisions for coke oven doors must be implemented, records of the inventory of doors and jambs as required under Condition IV.27.b.2)f) above; and	Record Review	Y	C	
V.A.4.a.4	Recording Keeping		The design drawings and engineering specifications for the bypass/bleeder stack flare system or approved alternative control device or system as required under Conditions V.A.1.a through V.A.1.c above.	Record Review	Y	C	
V.A.4.b	Recording Keeping		Records specified in Condition V.A.6.g below regarding the basis of each malfunction notification.	Record Review	Y	C	
V.A.4.b.1	Recording Keeping	§2103.12.j.; §63.7342(a)	The permittee shall keep the following records:	Administrative Requirement	Y	C	

V.A.4.b.2	Recording Keeping		A copy of each notification and report that was submitted to comply with this subpart, including all documentation supporting any initial notification or notification of compliance status that you submitted, according to the requirements in §63.10(b)(2)(xiv).	Record Review	Y	C	
V.A.4.b.3	Recording Keeping		The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.	Record Review	Y	C	
V.A.4.c	Recording Keeping		Records of performance tests, performance evaluations, and opacity observations as required in §63.10(b)(2)(viii).	Record Review	Y	C	
V.A.4.c.1	Recording Keeping	§2103.12 j; §63.7342(b)	For each COMS or CEMS, the permittee shall keep the following records.	Administrative Requirement	Y	C	
V.A.4.c.2	Recording Keeping		Records described in §63.10(b)(2)(vi) through (xi)	Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.A.4.c.3	Recording Keeping		Monitoring data for COMS during a performance evaluation as required in §63.6(h)(7)(i) and (ii).	Record Review	Y	C	
V.A.4.c.4	Recording Keeping		Previous (that is, superceded) versions of the performance evaluation plan as required in §63.8(d)(3).	Record Review	Y	C	
V.A.4.d	Recording Keeping		Records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Record Review	Y	C	
V.A.4.e	Recording Keeping	§2103.12 j; §63.7342(c)	The permittee shall keep the records in §63.6(h)(6) for visual observations.	Record Review	Y	C	
V.A.4.f	Recording Keeping	§2103.12 j; §63.7343(b)	As specified in §63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.	Record Review	Y	C	
V.A.4.g	Recording Keeping	§2103.12 h.6, §63.7343(c)	The permittee shall keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records offsite for the remaining 3 years.	Record Review	Y	C	
V.A.4.h	Recording Keeping	§2103.12 j; §63.7335(a)	For each by-product coke oven battery, the permittee must demonstrate continuous compliance with the operation and maintenance requirements in V.A.3.i above by adhering at all times to the plan requirements and recording all information needed to document	Record Review	Y	C	
V.A.4.i	Recording Keeping	§2103.12 j; §63.7334(d)	The permittee shall maintain a current copy of the operation and maintenance plans required in in V.A.3.i or §63.7300(b) onsite and available for inspection upon request. The plans shall be kept for the life of the affected source or until the affected source is no longer subject to the requirements of 40 CFR Part 63, Subpart CCCCC.	Record Review	Y	C	
V.A.5.a	Recording Keeping	§2103.12 j; §63.7334(d)	The permittee must demonstrate continuous compliance to the work practice standard for soaking in V.A.6.k below, by maintaining records that document conformance with requirements in V.A.6.k.1) through V.A.6.k.5) below.	Record Review	Y	C	
V.A.5.a.1	Reporting	§2103.12 h.6, §2103.12 k; §2109.03 and Enforcement Order 202. E, 3/28/00	No later than twenty (20) days after the end of each month, a written report of a summary of the following during each such month shall be submitted to the Department.	Administrative Requirement	Y	C	
V.A.5.a.1.a	Reporting		For all coke batteries combined, the daily average for the month of:	Administrative Requirement	Y	C	
V.A.5.a.1.b	Reporting		Coal charged, in tons;	Record Review	Y	C	
V.A.5.a.1.c	Reporting		Coke produced, in tons;	Record Review	Y	C	
V.A.5.a.1.d	Reporting		Total coke oven gas produced, in MMCF;	Record Review	Y	C	
V.A.5.a.1.e	Reporting		Quench water used, in gallons;	Record Review	Y	C	
V.A.5.a.1.f	Reporting		Elemental sulfur produced, in tons;	Record Review	Y	C	
V.A.5.a.1.g	Reporting		Sulfur content of coal, in percent; and	Record Review	Y	C	
V.A.5.a.2	Reporting		Sulfur content of coke, in percent.	Record Review	Y	C	
V.A.5.a.2.a	Reporting		For all periods during which contaminated quench water was used:	Administrative Requirement	Y	C	
V.A.5.a.2.b	Reporting		The batteries affected;	Record Review	Y	C	
V.A.5.a.2.c	Reporting		The starting and ending dates and times;	Record Review	Y	C	
V.A.5.a.2.d	Reporting		The total time of each period, and total for the month, to the nearest tenth of an hour;	Record Review	Y	C	
V.A.5.a.2.e	Reporting		The corresponding Department Breakdown Number;	Record Review	Y	C	
V.A.5.a.2.f	Reporting		The average flow rates of contaminated water to both the quench towers and the water treatment plant during the period, each in gallons per minute, and	Record Review	Y	C	
V.A.5.b	Reporting		The reason(s) or cause(s) for each period.	Record Review	Y	C	

V.A.5.b.1	Reporting	§2103.12.k.; §63.311(d)	The permittee shall include the following information in the semiannual compliance certification:	Administrative Requirement	Y	C	
V.A.5.b.2	Reporting		Certification, signed by the permittee, that no coke oven gas was vented, except through the bypass/bleeder stack flare system during the reporting period or that a venting report has been submitted according to the requirements in V.A.5.e below	Record Review	Y	C	
V.A.5.b.3	Reporting		Certification, signed by the permittee, that a startup, shutdown, or malfunction event did not occur for a coke oven battery during the reporting period or that a startup, shutdown, and malfunction event did occur and a report was submitted according to the requirements in V.A.6.f below, and	Record Review	Y	C	
V.A.5.c	Reporting		Certification, signed by the permittee, that work practices were implemented if applicable under Condition IV.27 above	Record Review	Y	C	
V.A.5.d	Reporting	§2103.12.k.; §63.311(e)	The permittee shall report any venting of coke oven gas through a bypass/bleeder stack that was not vented through the bypass/bleeder stack flare system to the Department as soon as practicable but no later than 24 hours after the beginning of the event. A written report shall be submitted within 30 days of the event and shall include a description of the event and, if applicable, a copy of the notification for a hazardous substance release measured pursuant to 40 CFR 302.6.	Record Review	Y	C	
V.A.5.d.1	Reporting	§2103.12.k.; §63.310(d)	In order for the provisions of §63.310(i) to apply with respect to the observation (or set of observations) for a particular day, notification of a startup, shutdown, or a malfunction shall be made by the permittee as follows:	Administrative Requirement	Y	C	
V.A.5.d.2	Reporting		If practicable, to the certified observer if the observer is at the facility during the occurrence; or	Record Review	Y	C	
V.A.5.e	Reporting		To the Department, in writing, within 24 hours of the occurrence first being documented by a company employee, and if the notification was not made, an explanation of why no such notification was made.	Record Review	Y	C	
V.A.5.e.1	Reporting	§2103.12.k.; §63.310(e)	Within 14 days of the notification startup, shutdown, or a malfunction, the permittee shall submit a written report to the Department that:	Administrative Requirement	Y	C	
V.A.5.e.2	Reporting		Describes the time and circumstances of the startup, shutdown, or malfunction, and	Record Review	Y	C	
V.A.5.f	Reporting		Describes actions taken that might be considered inconsistent with the startup, shutdown, or malfunction plan.	Record Review	Y	C	
V.A.5.g	Reporting	§2103.12.k., Enforcement Order, Signed March 17, 2008, Condition V.a.1	The permittee shall submit a written quarterly report within thirty (30) days after the close of each calendar quarter to the Department. The quarterly reports shall contain, at minimum the list of every clock hour in the calendar quarter that compliance is not achieved for Article XXI opacity limits applicable to Batteries 1-3 combustion stacks as measured by the combustion stacks continuous opacity monitor (COM). U.S. Steel shall indicate the date, time, root cause, and events that are believed to have contributed to the noncompliance.	Record Review	Y	C	
V.A.5.h	Reporting	§2103.12.k.; Enforcement Order, Signed March 17, 2008, Condition V.b.	The permittee shall submit to the Department a Semi-Annual Deviation Report for all deviations from Article XXI §2103.21(e)(4) and (e)(5) for Batteries 1-3.	Record Review	Y	C	
V.A.5.i	Reporting	§2103.12.k; §63.7336(a)	The permittee shall report each instance in which each emission limitation in Conditions V.A.1.t and V.A.1.u was not met. This includes periods of startup, shutdown, and malfunction. The permittee shall also report each instance in which the permittee did not meet each work practice standard or operation and maintenance requirement in Conditions V.A.6.k, V.A.6.l and V.A.6.m. These instances are deviations from the emission limitations (including operating limits), work practice standards, and operation and maintenance requirements of 40 CFR Part 63, Subpart CCCCC. These deviations must be reported according to the requirements in V.A.5.k through V.A.5.0 below.	Record Review	Y	C	
V.A.5.j.1	Reporting	§2103.12.k.; §63.7336(b)	During periods of startup, shutdown, and malfunction, you must operate in accordance with your startup, shutdown, and malfunction plan.	Administrative Requirement	Y	C	
V.A.5.j.2	Reporting		Consistent with §63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if you demonstrate to the Department's satisfaction that you were operating in accordance with the startup, shutdown, and malfunction plan.	Record Review	Y	C	
V.A.5.j	Reporting		The Department will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in §63.6(e).	Record Review	Y	C	
V.A.5.k	Reporting	§2103.12.k.; §63.7340(a)	The permittee shall submit all of the notifications in §63.6(h)(4) and (5), 63.7(b) and (c), 63.8(e) and (f)(4), and 63.9(b) through (h) that apply to you by the specified dates.	Record Review	Y	C	
V.A.5.k.1	Reporting	§2103.12.k.; §63.7341(a)	Unless the Department has approved a different schedule, the permittee must submit quarterly compliance reports for battery stacks according to the requirements in V.A.5.k.1) through V.A.5.k.2) below.	Administrative Requirement	Y	C	

V.A.5.k.2	Reporting		Each quarterly compliance report for battery stacks shall be submitted in accordance with General Condition III.15.c above.	Record Review	Y	C	
V.A.5.l	Reporting		All quarterly compliance reports for battery stacks must be postmarked or delivered no later than one calendar month following the end of the quarterly reporting period.	Record Review	Y	C	
V.A.5.m	Reporting	§2103.12.k; §63.7341(b)	Each quarterly compliance report must provide information on compliance with the emission limitations for battery stacks in V.A.1.1.1) above. The reports must include the information in Conditions V.A.5.m.1) through V.A.5.m.3) below, and as applicable, Conditions V.A.5.m.4) through V.A.5.m.8) below.	Record Review	Y	C	
V.A.5.m.1	Reporting	§2103.12.k; §63.7341(c)	Each semiannual compliance report must provide information on compliance with the emission limitations, work practice standards, and operation and maintenance requirements for all affected sources except battery stacks. The reports must include the information V.A.5.m.1) through V.A.5.m.3), and as applicable, Conditions V.A.5.m.4) through V.A.5.m.8) below.	Record Review	Y	C	
V.A.5.m.2	Reporting		Company name and address.	Record Review	Y	C	
V.A.5.m.3	Reporting		Statement by a responsible official, with the official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.	Record Review	Y	C	
V.A.5.m.3	Reporting		Date of report and beginning and ending dates of the reporting period.	Record Review	Y	C	
V.A.5.m.5	Reporting		If there was a startup, shutdown, or malfunction during the reporting period and the permittee took actions consistent with your startup, shutdown, and malfunction plan, the compliance report must include the information in §63.10(d)(5)(i).	Record Review	Y	C	
V.A.5.m.6	Reporting		If there were no deviations from the continuous compliance requirements in V.A.3.p for battery stacks, a statement that there were no deviations from the emission limitations during the reporting period.	Record Review	Y	C	
V.A.5.m.7	Reporting		If there were no periods during which a continuous monitoring system (including COMS, continuous emission monitoring system (CEMS), or CPMS) was out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which a continuous monitoring system was out-of-control during the reporting period.	Record Review	Y	C	
V.A.5.m.7.a	Reporting		For each deviation from an emission limitation in 40 CFR 63, Subpart CCCCC and for each deviation from the requirements for work practice standards in this 40 CFR Part 63, Subpart CCCCC that occurs at an affected source where you are not using a continuous monitoring system (including a COMS, CEMS, or CPMS) to comply with the emission limitations in this subpart, the compliance report must contain the information in Conditions V.A.5.m.4), V.A.5.m.7)a) and V.A.5.m.7)b) below. This includes periods of startup, shutdown, and malfunction.	Record Review	Y	C	
V.A.5.m.7.b	Reporting		The total operating time of each affected source during the reporting period.	Record Review	Y	C	
V.A.5.m.8	Reporting		Information on the number, duration, and cause of deviations (including unknown cause, if applicable) as applicable and the corrective action taken.	Record Review	Y	C	
V.A.5.m.8.a	Reporting		For each deviation from an emission limitation occurring at an affected source where you are using a continuous monitoring system (including COMS, CEMS, or CPMS) to comply with the emission limitation 40 CFR 63, Subpart CCCCC, the permittee must include the information in Conditions V.A.5.m.4), V.A.5.m.8)a) through V.A.5.m.8)h) below. This includes periods of startup, shutdown, and malfunction.	Administrative Requirement	Y	C	
V.A.5.m.8.b	Reporting		The date and time that each malfunction started and stopped.	Record Review	Y	C	
V.A.5.m.8.c	Reporting		The date and time that each continuous monitoring system (including COMS, CEMS, or CPMS) was inoperative, except for zero (low-level) and high-level checks.	Record Review	Y	C	
V.A.5.m.8.d	Reporting		The date, time, and duration that each continuous monitoring system (including COMS, CEMS, or CPMS) was out-of-control, including the information in §63.8(c)(8).	Record Review	Y	C	
V.A.5.m.8.e	Reporting		The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Record Review	Y	C	
V.A.5.m.8.f	Reporting		A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.	Record Review	Y	C	
V.A.5.m.8.g	Reporting		A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.	Record Review	Y	C	
V.A.5.m.8.h	Reporting		A summary of the total duration of continuous monitoring system downtime during the reporting period and the total duration of continuous monitoring system downtime as a percent of the total source operating time during the reporting period.	Record Review	Y	C	

V.A.5.m.8.i	Reporting		An identification of each HAP that was monitored at the affected source	Record Review	Y	C	
V.A.5.m.8.j	Reporting		A brief description of the process units	Record Review	Y	C	
V.A.5.m.8.k	Reporting		A brief description of the continuous monitoring system	Record Review	Y	C	
V.A.5.m.8.l	Reporting		The date of the latest continuous monitoring system certification or audit	Record Review	Y	C	
V.A.5.n	Reporting		A description of any changes in continuous monitoring systems, processes, or controls since the last reporting period	Record Review	Y	C	
V.A.5.o	Reporting	§2103.12.k; §63.7341(d)	If the permittee had a startup, shutdown, or malfunction during the semiannual reporting period that was not consistent with your startup, shutdown, and malfunction plan, you must submit an immediate startup, shutdown, and malfunction report according to the requirements in §63.10(d)(5)(ii)	Record Review	Y	C	
V.A.6.a	Reporting	§2103.12.k; §63.7341(e)	If the permittee submits a compliance report for an affected source along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A), and the compliance report includes all the required information concerning deviations from any emission limitation or work practice standard in 40 CFR Part 63, Subpart CCCCC, submission of the compliance report satisfies any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report does not otherwise affect any obligation you may have to report deviations from permit requirements to the Department.	Administrative Requirement	Y	C	
V.A.6.b	Work Practice Standards	RACT Plan 234	Coke Oven Batteries 1, 2 and 3 shall be properly maintained and operated at all times according to good engineering and air pollution control practices .	Record Review	Y	C	
V.A.6.c	Work Practice Standards	§2103.12.h.6.; §63.300(a)	The permittee shall comply with the provisions of applicable work practice requirements in Site level Condition IV.27 above	Record Review	Y	C	
V.A.6.d	Work Practice Standards	§2103.12.h.6.; §63.310(b)	The permittee shall develop and implement according to Condition V.A.6.d below, a written startup, shutdown, and malfunction plan that describes procedures for operating the battery, including associated air pollution control equipment, during a period of a startup, shutdown, or malfunction in a manner consistent with good air pollution control practices for minimizing emissions, and procedures for correcting malfunctioning process and air pollution control equipment as quickly as practicable. All the provisions of Site Level Condition IV.8 above remain applicable and are not superceded by operating in accordance with the startup, shutdown, and malfunction plan.	Record Review	Y	C	
V.A.6.d.1	Work Practice Standards	§2103.12.h.6.; §63.310(c)	During a period of startup, shutdown, or malfunction the permittee shall:	Administrative Requirement	Y	C	
V.A.6.d.2	Work Practice Standards		Operate the battery (including associated air pollution control equipment) in accordance with the procedure specified in the startup, shutdown, and malfunction plan, and	Process Knowledge & Record Review	Y	C	
V.A.6.e	Work Practice Standards		Correct malfunctions as soon as practicable after their occurrence, in accordance with the plan.	Record Review	Y	C	
V.A.6.e.1	Work Practice Standards	§2103.12.h.6.; §63.310(d)	In order for the provisions of Condition V.A.6.j below to apply with respect to the observation (or set of observations) for a particular day, notification of a startup, shutdown, or a malfunction shall be made by the permittee:	Administrative Requirement	Y	C	
V.A.6.e.2	Work Practice Standards		If practicable, to the certified observer if the observer is at the facility during the occurrence; or		Y	C	
V.A.6.f	Work Practice Standards		To the Department, in writing, within 24 hours of the occurrence first being documented by a company employee, and if the notification under Condition V.A.6.e.1) above was not made, an explanation of why no such notification was made.	Record Review	Y	C	
V.A.6.f.1	Work Practice Standards	§2103.12.h.6.; §63.310(e)	Within 14 days of the notification made under Condition V.A.6.e above, or after a startup or shutdown, the permittee shall submit a written report to the Department that:	Record Review	Y	C	
V.A.6.f.2	Work Practice Standards		Describes the time and circumstances of the startup, shutdown, or malfunction; and	Record Review	Y	C	
V.A.6.g	Work Practice Standards		Describes actions taken that might be considered inconsistent with the startup, shutdown, or malfunction plan.	Record Review	Y	C	
V.A.6.h	Work Practice Standards	§2103.12.h.6.; §63.310(f)	The permittee shall maintain a record of internal reports which form the basis of each malfunction notification under Condition V.A.6.e above.	Record Review	Y	C	
V.A.6.i	Work Practice Standards	§2103.12.h.6; §63.310(g)	To satisfy the requirements of §63.310 to develop a startup, shutdown, and malfunction plan, the permittee may use the standard operating procedures manual for the battery, provided the manual meets all the requirements §63.310 and is made available for inspection at reasonable times when requested by the Department.	Administrative Requirement	Y	C	
V.A.6.i.1	Work Practice Standards	§2103.12.h.6.; §63.310(h)	The Department may require reasonable revisions to a startup, shutdown, and malfunction plan, if the Department finds that the plan:	Administrative Requirement	Y	C	
V.A.6.i.2	Work Practice Standards		Does not address a startup, shutdown, or malfunction event that has occurred;	Record Review	Y	C	

V.A.6.i.3	Work Practice Standards		Fails to provide for the operation of the source (including associated air pollution control equipment) during a startup, shutdown, or malfunction event in a manner consistent with good air pollution control practices for minimizing emissions; or	Record Review	Y	C	
V.A.6.j	Work Practice Standards		Does not provide adequate procedures for correcting malfunctioning process and/or air pollution control equipment as quickly as practicable.	Record Review	Y	C	
V.A.6.j.1	Work Practice Standards	§2103.12.h.6; §63.310(i)	If the permittee demonstrates to the satisfaction of the Department that a startup, shutdown, or malfunction has occurred, then an observation occurring during such startup, shutdown, or malfunction shall not	Administrative Requirement	Y	C	
V.A.6.j.2	Work Practice Standards		Constitute a violation of relevant requirements of 40 CFR 63, Subpart L;	Administrative Requirement	Y	C	
V.A.6.j.3	Work Practice Standards		Be used in any compliance determination under§63.309; or	Administrative Requirement	Y	C	
V.A.6.k	Work Practice Standards		Be considered for purposes of Condition IV.27 above, until the Department has resolved the claim that a startup, shutdown, or malfunction has occurred. If the Department determines that a startup, shutdown, or malfunction has not occurred, such observations may be used for purposes of Conditions IV.27 above, regardless of whether the permittee further contests such determination. The permittee's receipt of written notification from the Department that a startup, shutdown, or malfunction has not occurred will serve, where applicable under Conditions IV.27 above, as written notification from the certified observer that an exceedance has occurred.	Record Review	Y	C	
V.A.6.k.1	Work Practice Standards	§2103.12.h.6; §63.7294(a)	The permittee shall prepare and operate at all times according to a written work practice plan for soaking. Each plan must include measures and procedures to:	Administrative Requirement	Y	C	
V.A.6.k.2	Work Practice Standards		Train topside workers to identify soaking emissions that require corrective actions	Record Review	Y	C	
V.A.6.k.3	Work Practice Standards		Damper the oven off the collecting main prior to opening the standpipe cap.	Record Review	Y	C	
V.A.6.k.4	Work Practice Standards		Determine the cause of soaking emissions that do not ignite automatically, including emissions that result from raw coke oven gas leaking from the collecting main through the damper, and emissions that result from incomplete coking	Record Review	Y	C	
V.A.6.k.5	Work Practice Standards		If soaking emissions are caused by leaks from the collecting main, take corrective actions to eliminate the soaking emissions. Corrective actions may include, but are not limited to, reseating the damper, cleaning the flushing liquor piping, using aspiration, putting the oven back on the collecting main, or igniting the emissions.	Record Review	Y	C	
V.A.6.l	Work Practice Standards		If soaking emissions are not caused by leaks from the collecting main, notify a designated responsible party. The responsible party must determine whether the soaking emissions are due to incomplete coking. If incomplete coking is the cause of the soaking emissions, you must put the oven back on the collecting main until it is completely coked or you must ignite the emissions.	Record Review	Y	C	
V.A.6.m	Work Practice Standards	§2103.12.h.6; §63.7294(b)	As provided in §63.6(g), the permittee may request to use an alternative to the work practice standard for soaking in Condition V.A.6.k above.	Administrative Requirement	Y	C	
V.A.7	Work Practice Standards	§2103.12.h.6; §63.7310(a)	The permittee shall be in compliance with the emission limitations, work practice standards, and operation and maintenance requirements of 40 CFR 63, Subpart CCCCC at all times, except during periods of startup, shutdown, and malfunction as defined in §63.2.	Physical Inspection & Record Review	Y	C	
	Additional Requirements		The definitions in 40 CFR 63.7352 are hereby incorporated into this permit by reference.	Administrative Requirement	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.B.1.a	Restrictions	[§2105.21.e, Installation Permit 0052-I006]	The permittee shall not operate, or allow to be operated, Battery 1 or Battery 2 or Battery 3 coke ovens unless there is installed a pushing emission control system baghouse which is designed to reduce fugitive emissions from pushing to the minimum attainable through the use of BACT, nor shall the permittee operate, or allow to be operated Battery 1 or Battery 2 or Battery 3 coke ovens in such manner that:	Engineering Judgement	Y	C	
V.B.1.a.1	Restrictions	(§2105.21.e.2. A, B, and C, Installation Permit 0052-I006])	At any time, the particulate mass emission rate from the pushing emission control system device, for Batteries 1, 2, & 3 exceeds a rate determined by an outlet concentration of 0.010 grains per dry standard cubic foot:	Direct Measurement/ Records Review	Y	C	
V.B.1.a.2	Restrictions	[§2105.21.e.4. , Installation Permit 0052-I006]	Fugitive pushing emissions or emissions from the pushing emission control system device outlet equal or exceed an opacity of 20% at any time, except if the Department determines in writing, upon written application from the person responsible for the coke ovens setting forth all information needed to make such determination, that such emissions are of only minor significance with respect to causing air pollution and do not prevent or interfere with the attainment or maintenance of any ambient air quality standard (any such determination shall be submitted as a proposed revision to Allegheny County's portion of the SIP).	Physical Inspection/ Procedures	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013. USS is complying with the existing CO&A regarding Battery 1 stack opacity requirements
V.B.1.b	Restrictions	[§2105.21.e.6]	The permittee shall not operate, or allow to be operated at any time, coke oven batteries in such manner that the hot coke fails to be held under the hood of the pushing emission control device for at least 67 seconds immediately after the pusher ram begins to move and the damper to the PEC device is opened or for at least 15 seconds immediately following the fall of the last of the coke into the hot car, whichever is longer. This provision shall only be effective during the period from 30 days following the issuance of written notice by the Department to the permittee of such battery that EPA has required the implementation of the contingency measures under the portion of the PM-10 SIP for the Liberty Borough/Clairton area, until issuance of a written notice by the Department that such measures are no longer required.	Process Knowledge/ Records Review	Y	C	
V.B.1.c	Restrictions	[§2105.03, Installation Permit 0052-I006]]	The permittee shall not operate, or allow to be operated Battery 1 or Battery 2 or Battery 3, unless the Battery 1, 2, & 3 PEC System baghouse is properly installed, operated and maintained according to the following conditions, at all times:	Engineering Judgement	Y	C	
V.B.1.c.1	Restrictions		Emissions due to the pushing of Battery 1, 2, & 3 coke ovens shall be vented through the PEC System baghouse dust collector.	Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.B.1.c.2	Restrictions		The baghouse shall be equipped with automatic cleaning controls and instrumentation that shall continuously measure the differential pressure drop across the baghouse to within 5.0% of the measuring span of the device.	Engineering Judgement	Y	C	
V.B.1.c.3	Restrictions		The normal operating differential pressure drop range across each baghouse module shall be maintained below 10 inches w.c. averaged over the push.	Reocrds Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.

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Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.B.1.c.4	Restrictions		When the pressure drop goes beyond the range specified in Condition V.B.1.c.3) above, cleaning, maintenance and other corrective actions shall be conducted, as necessary, to return the pressure drop to the specified range.	Process Knowledge	Y	C	
V.B.1.d	Restrictions	[§2103.12.h.6; §63.7290(a)]	The permittee shall not discharge to the atmosphere emissions of particulate matter from a control device applied to pushing emissions from batteries 1, 2 or 3 that exceeds 0.02 pound per ton (lb/ton) of coke.	Direct Measurement/ Records Review	Y	C	
V.B.1.e	Restrictions	[§2103.12.h.6; §63.7290(b)(3)]	For each PEC System the permittee shall:	Administrative Requirement	Y	C	
V.B.1.e.1	Restrictions		Maintain the minimum daily average fan motor amperes of 207 or above the minimum level established during the most recent performance test; or	Process Knowledge/ Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.B.1.e.2	Restrictions		Maintain the daily average volumetric flow rate at the inlet of the control device at or above the minimum level established during the initial performance test.	Process Knowledge/ Records Review	NA	NA	condition not applicable
V.B.1.f	Restrictions	[§2103.12.h.6; §63.7333 (a)]	For each control device applied to pushing emissions and subject to the emission limit in V.B.1.d above, the permittee shall demonstrate continuous compliance by meeting the requirements in Conditions V.B.f.(1) and (2) below:	Engineering Judgement	Y	C	
V.B.1.f.1	Restrictions		Maintaining emissions of particulate matter at or below 0.02 pound per ton (lb/ton) of coke; and	Direct Measurement/ Records Review	Y	C	
V.B.1.f.2	Restrictions		Conducting subsequent performance tests to demonstrate continuous compliance no less frequently than once every two years.	Records Review	Y	C	
V.B.1.g	Restrictions	[§2105.03 and Installation Permit 0052-I006]	Emissions from the Battery 1, 2, & 3 PEC System baghouse shall not exceed the limits listed in Table V-B-1 at any time:	Direct Measurement/ Emission Calcs	Y	C	
V.B.1.g	Restrictions		**POLLUTANT GR/DSCF HOURLY LIMIT(lb/hr) ANNUAL**		Y	C	
V.B.1.g	Restrictions		PM 0.010 1.98 8.68		Y	C	
V.B.1.g	Restrictions		PM-10 0.010 1.98 8.68		Y	C	
V.B.1.g	Restrictions		A year is defined as any consecutive 12-month period.		Y	C	
V.B.2.a	Testing	[§2108.02, §2103.12.h.6; IP-0052-I006 & §63.7321]	The permittee shall have baghouse emission stack tests conducted for PM, PM10 and PM2.5 at least once every two years using EPA Methods No.1 through No.5, 201A and 202 (or other method specified) and performed according to Site Level Condition IV.13 and Article XXI §2108.02.	Records Review	Y	C	
V.B.2.b	Testing	[§2108.02, Installation Permit 0052-I006]	Visible emissions observations of the baghouse stack exhaust and fugitive pushing emissions shall be conducted at least once every two years, as specified in Section 109 of the Department's source testing manual, and be done simultaneously with the baghouse stack tests.	Records Review	Y	C	
V.B.2.c	Testing	[§2103.12.h.6; §63.7322(a)]	The permittee shall conduct each performance test according to the requirements in Condition V.B.2.d below.	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.B.2.d	Testing	[§2103.12.h.6; §63.7322(b)]	To determine compliance with the process weighted mass rate of particulate matter (lb/ton of coke) in Condition V.B.1.d above, use the following test methods and procedures:	Engineering Judgement	Y	C	
V.B.2.d.1	Testing	[§2103.12.h.6; §63.7322(b)(1)]	Determine the concentration of particulate matter according to the following test methods in Appendix A to 40 CFR Part 60.	Records Review	Y	C	
V.B.2.d.1.a	Testing		Method 1 to select sampling port locations and the number of traverse points. Sampling sites must be located at the outlet of the control device and prior to any releases to the atmosphere.	Records Review	Y	C	
V.B.2.d.1.b	Testing		Method 2, 2F, or 2G to determine the volumetric flow rate of the stack gas.	Records Review	Y	C	
V.B.2.d.1.c	Testing		Method 3, 3A, or 3B to determine the dry molecular weight of the stack gas.	Records Review	Y	C	
V.B.2.d.1.d	Testing		Method 4 to determine the moisture content of the stack gas.	Records Review	Y	C	
V.B.2.d.1.e	Testing		Method 5 or 5D, as applicable, to determine the concentration of front half particulate matter in the stack gas.	Records Review	Y	C	
V.B.2.d.2	Testing	[§2103.12.h.6; §63.7322(b)(2)]	During each particulate matter test run, sample only during periods of actual pushing when the capture system fan and control device are engaged. Collect a minimum sample volume of 50 dry standard cubic feet of gas during each test run. Three valid test runs are needed to comprise a performance test. Each run must start at the beginning of a push and finish at the end of a push (i.e., sample for an integral number of pushes).	Records Review	Y	C	
V.B.2.d.3	Testing	[§2103.12.h.6; §63.7322(b)(3)]	Determine the total combined weight in tons of coke pushed during the duration of each test run according to the procedures in your source test plan for calculating coke yield from the quantity of coal charged to an individual oven.	Records Review	Y	C	
V.B.2.d.4	Testing	[§2103.12.h.6; §63.7322(b)(4)]	Compute the process-weighted mass emissions (E_p) for each test run using Equation 1 of this section as follows:	Records Review	Y	C	
			Where:		Y	C	
			E_p = Process weighted mass emissions of particulate matter, lb/ton;		Y	C	
			C = Concentration of particulate matter, gr/dscf;		Y	C	
			Q = Volumetric flow rate of stack gas, dscf/hr;		Y	C	
			T = Total time during a run that a sample is withdrawn from the stack during pushing, hr;		Y	C	
			P = Total amount of coke pushed during the test run, tons; and		Y	C	
			K = Conversion factor, 7,000 gr/lb.		Y	C	
V.B.2.e	Testing	[§2103.12.h.6; §63.7323(c)]	For each capture system applied to pushing emissions, the permittee shall establish a site-specific operating limit for the fan motor amperes or volumetric flow rate according to the procedures in Condition V.B.2.e.1) or V.B.2.e.2) below:	Engineering Judgement	Y	C	

$$E_p = \frac{C \times Q \times T}{P \times K}$$

Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.B.2.e.1	Testing		If you elect the operating limit in V.B.1.e.1) above for fan motor amperes, measure and record the fan motor amperes during each push sampled for each particulate matter test run. Your operating limit is the lowest fan motor amperes recorded during any of the three runs that meet the emission limit.	Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.B.2.e.2	Testing		If you elect the operating limit in V.B.1.e.2) above for volumetric flow rate, measure and record the total volumetric flow rate at the inlet of the control device during each push sampled for each particulate matter test run. Your operating limit is the lowest volumetric flow rate recorded during any of the three runs that meet the emission limit.	Records Review	NA	NA	
V.B.2.f	Testing	[§2103.12.h.6; §63.7323(e)]	The permittee may change the operating limit for a capture system if you meet the requirements in Conditions V.B.2.f.(1) through V.B.2.f.3) below:	Engineering Judgement	Y	C	
V.B.2.f.1	Testing		Submit a written notification to the Department of your request to conduct a new performance test to revise the operating limit.	Report Submission	Y	C	
V.B.2.f.2	Testing		Conduct a performance test to demonstrate that emissions of particulate matter from the control device do not exceed the applicable limit in §63.7290(a).	Records Review	Y	C	
V.B.2.f.3	Testing		Establish revised operating limits according to the applicable procedures in Condition V.B.2.e above.	Records Review	Y	C	
V.B.2.g	Testing	(§2103.12.h.1)	The Department reserves the right to require additional emissions testing sufficient to assure compliance with the terms and conditions of this permit. Such testing shall be performed in accordance with Site Level Condition IV.13 above and Article XXI §2108.02.	Administrative Requirement	Y	C	
V.B.3.a	Monitoring	[§2103.12.h.1, §2103.12.i and Installation Permit 0052-	The permittee shall continuously monitor the differential pressure drop across each baghouse module.	Direct Measurement	Y	C	
V.B.3.b	Monitoring	[2102.04.e. and Installation Permit 0052-I006]	The permittee shall inspect the PEC System baghouse for Batteries 1, 2 and 3, weekly, to insure compliance with Condition V.B.1.c above.	Records Review	Y	C	
V.B.3.c	Monitoring	[63.7291(a)]	The permittee shall meet each of the following requirements in paragraphs V.B.3.c.1) through V.B.3.c.6)c) for each coke oven battery.	Administrative Requirement	Y	C	
V.B.3.c.1	Monitoring		Observe and record the opacity of fugitive pushing emissions from each oven at least once every 90 days. If an oven cannot be observed during a 90-day period due to circumstances that were not reasonably avoidable, you must observe the opacity of the first push of that oven following the close of the 90-day period that is capable of being observed in accordance with the procedures in §63.7334(a), and you must document why the oven was not observed within a 90-day period. All opacity observations of fugitive pushing emissions for batteries with vertical flues must be made using the procedures in §63.7334(a).	Physical Inspection /Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.

Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.B.3.c.2	Monitoring		Observe and record the opacity of fugitive pushing emissions for at least four consecutive pushes per battery each day. Exclude any push during which the observer's view is obstructed or obscured by interferences and observe the next available push to complete the set of four pushes. If necessary due to circumstances that were not reasonably avoidable, you may observe fewer than four consecutive pushes in a day; however, you must observe and record as many consecutive pushes as possible and document why four consecutive pushes could not be observed. You may observe and record one or more non-consecutive pushes in addition to any consecutive pushes observed in a day.	Physical Inspection/ Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.B.3.c.3	Monitoring		Do not alter the pushing schedule to change the sequence of consecutive pushes to be observed on any day. Keep records indicating the legitimate operational reason for any change in your pushing schedule which results in a change in the sequence of consecutive pushes observed on any day.	Records Review	Y	C	
V.B.3.c.4	Monitoring		If the average opacity for any individual push exceeds 30 percent opacity for any short battery or 35 percent opacity for any tall battery, you must take corrective action and/or increase coking time for that oven. You must complete corrective action or increase coking time within either 10 calendar days or the number of days determined using Equation 1 of this section, whichever is greater: X = 0.55 * Y (Eq. 1) Where: X = Number of calendar days allowed to complete corrective action or increase coking time; and Y = Current coking time for the oven, hours. For the purpose of determining the number of calendar days allowed under Equation 1 of this section, day one is the first day following the day you observed an opacity in excess of 30 percent for any short battery or 35 percent for any tall battery. Any fraction produced by Equation 1 of this section must be counted as a whole day. Days during which the oven is removed from service are not included in the number of days allowed to complete corrective action.	Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.B.3.c.5	Monitoring		The permittee shall demonstrate that:	Administrative Requirement	Y	C	
V.B.3.c.5.a	Monitoring		The corrective action and/or increased coking time was successful. After a period of time no longer than the number of days allowed in paragraph V.B.3.c.4) above, observe and record the opacity of the first two pushes for the oven capable of being observed using the procedures in §63.7334(a). The corrective action and/or increased coking time was successful if the average opacity for each of the two pushes is 30 percent or less for a short battery or 35 percent or less for a tall battery. If the corrective action and/or increased coking time was successful, you may return the oven to the 90-day reading rotation described in paragraph V.B.3.c.1) above. If the average opacity of either push exceeds 30 percent for a short battery or 35 percent for a tall battery, the corrective action and/or increased coking time was unsuccessful, and you must complete additional corrective action and/or increase coking time for that oven within the number of days allowed in paragraph V.B.3.c.4) above.	Physical Inspection/ Records Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.B.3.c.5.b	Monitoring		After implementing any additional corrective action and/or increased coking time required under paragraph V.B.3.c.5)a) above or V.B.3.c.6)b) below, you must demonstrate that corrective action and/or increased coking time was successful. After a period of time no longer than the number of days allowed in paragraph V.B.3.c.4) above, you must observe and record the opacity of the first two pushes for the oven capable of being observed using the procedures in V.B.3.q or §63.7334(a). The corrective action and/or increased coking time was successful if the average opacity for each of the two pushes is 30 percent or less for a short battery or 35 percent or less for a tall battery. If the corrective action and/or increased coking time was successful, you may return the oven to the 90-day reading rotation described in paragraph V.B.3.c.1) above. If the average opacity of either push exceeds 30 percent for a short battery or 35 percent for a tall battery, the corrective action and/or increased coking time was unsuccessful, and you must follow the procedures in paragraph V.B.3.c.5)c) below.	Physical Inspection/ Records Review	Y	C	
V.B.3.c.5.c	Monitoring		If the corrective action and/or increased coking time was unsuccessful as described in paragraph V.B.3.c.5)b) above, the permittee must repeat the procedures in paragraph V.B.3.c.5)b) above until the corrective action and/or increased coking time is successful. You must report to the permitting authority as a deviation each unsuccessful attempt at corrective action and/or increased coking time under paragraph V.B.3.c.5)b) above.	Records Review	Y	C	
V.B.3.c.6	Monitoring		If at any time the permittee places an oven on increased coking time as a result of fugitive pushing emissions that exceed 30 percent for a short battery or 35 percent for a tall battery, you must keep the oven on the increased coking time until the oven qualifies for decreased coking time using one of the following procedures:	Physical Inspection/ Records Review	Y	C	
V.B.3.c.6.a	Monitoring		To qualify for a decreased coking time for an oven placed on increased coking time in accordance with paragraph V.B.3.c.4) or V.B.3.c.5) above, you must operate the oven on the decreased coking time. After no more than two coking cycles on the decreased coking time, you must observe and record the opacity of the first two pushes that are capable of being observed using the procedures in §63.7334(a). If the average opacity for each of the two pushes is 30 percent or less for a short battery or 35 percent or less for a tall battery, you may keep the oven on the decreased coking time and return the oven to the 90-day reading rotation described in paragraph V.B.3.c.1) above. If the average opacity of either push exceeds 30 percent for a short battery or 35 percent for a tall battery, the attempt to qualify for a decreased coking time was unsuccessful. You must then return the oven to the previously established increased coking time, or implement other corrective action(s) and/or increased coking time.	Physical Inspection/ Records Review	Y	C	
			If you implement other corrective action and/or a coking time that is shorter than the previously established increased coking time, you must follow the procedures in paragraph V.B.3.c.5)b) above to confirm that the corrective action(s) and/or increased coking time was successful.	Physical Inspection/ Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.B.3.c.6.b	Monitoring		If the attempt to qualify for decreased coking time was unsuccessful as described in paragraph V.B.3.c.6)a) above, you may again attempt to qualify for decreased coking time for the oven. To do this, you must operate the oven on the decreased coking time. After no more than two coking cycles on the decreased coking time, you must observe and record the opacity of the first two pushes that are capable of being observed using the procedures in §63.7334(a). If the average opacity for each of the two pushes is 30 percent or less for a short battery or 35 percent or less for a tall battery, you may keep the oven on the decreased coking time and return the oven to the 90-day reading rotation described in paragraph V.B.3.c.1) above. If the average opacity of either push exceeds 30 percent for a short battery or 35 percent for a tall battery, the attempt to qualify for a decreased coking time was unsuccessful. You must then return the oven to the previously established increased coking time, or implement other corrective action(s) and/or increased coking time.	Physical Inspection/ Records Review	Y	C	
			If you implement other corrective action and/or a coking time that is shorter than the previously established increased coking time, you must follow the procedures in paragraph V.B.3.c.5)b) above to confirm that the corrective action(s) and/or increased coking time was successful.	Physical Inspection/ Records Review	Y	C	
V.B.3.c.6.c	Monitoring		The permittee must report to the permitting authority as a deviation the second and any subsequent consecutive unsuccessful attempts on the same oven to qualify for decreased coking time as described in paragraph V.B.3.c.6)b) above	Administrative Requirement	Y	C	
V.B.3.d	Monitoring	[§2103.12.h.6; §63.7291(b)]	As provided in §63.6(g), the permittee may request to use an alternative to the work practice standards in Condition V.B.3.c above.	Administrative Requirement	Y	C	
V.B.3.e	Monitoring	[§2103.12.h.6; §63.7300(c)]	The permittee shall prepare and operate at all times according to a written operation and maintenance plan for each capture system and control device applied to pushing emissions from coke battery(s). Each plan must address at a minimum the following elements.	Administrative Requirement	Y	C	
V.B.3.e.1	Monitoring		Monthly inspections of the equipment that are important to the performance of the total capture system (e.g., pressure sensors, dampers, and damper switches). This inspection must include observations of the physical appearance of the equipment (e.g., presence of holes in ductwork or hoods, flow constrictions caused by dents or accumulated dust in ductwork, and fan erosion). In the event a defect or deficiency is found in the capture system (during a monthly inspection or between inspections), you must complete repairs within 30 days after the date that the defect or deficiency is discovered. If you determine that the repairs cannot be completed within 30 days, you must submit a written request for an extension of time to complete the repairs that must be received by the permitting authority not more than 20 days after the date that the defect or deficiency is discovered.	Physical Inspection/ Records Review	Y	C	
			The request must contain a description of the defect or deficiency, the steps needed and taken to correct the problem, the interim steps being taken to mitigate the emissions impact of the defect or deficiency, and a proposed schedule for completing the repairs. The request shall be deemed approved unless and until such time as the permitting authority notifies you that it objects to the request. The permitting authority may consider all relevant factors in deciding whether to approve or deny the request (including feasibility and safety). Each approved schedule must provide for completion of repairs as expeditiously as practicable, and the permitting authority may request modifications to the proposed schedule as part of the approval process.	Physical Inspection/ Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.B.3.e.2	Monitoring		Preventative maintenance for each control device, including a preventative maintenance schedule that is consistent with the manufacturer's instructions for routine and long-term maintenance.	Records Review	Y	C	
V.B.3.e.3	Monitoring		Corrective action for all baghouses applied to pushing emissions. In the event a bag leak detection system alarm is triggered, you must initiate corrective action to determine the cause of the alarm within 1 hour of the alarm, initiate corrective action to correct the cause of the problem within 24 hours of the alarm, and complete the corrective action as soon as practicable. Actions may include, but are not limited to:	Process Knowledge	Y	C	
V.B.3.e.3.a	Monitoring		Inspecting the baghouse for air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in emissions.	Physical Inspection/ Procedures	Y	C	
V.B.3.e.3.b	Monitoring		Sealing off defective bags or filter media.	Process Knowledge	Y	C	
V.B.3.e.3.c	Monitoring		Replacing defective bags or filter media or otherwise repairing the control device.	Process Knowledge	Y	C	
V.B.3.e.3.d	Monitoring		Sealing off a defective baghouse compartment.	Process Knowledge	Y	C	
V.B.3.e.3.e	Monitoring		Cleaning the bag leak detection system probe, or otherwise repairing the bag leak detection system.	Process Knowledge	Y	C	
V.B.3.e.3.f	Monitoring		Shutting down the process producing the particulate emissions.	Process Knowledge	Y	C	
V.B.3.f	Monitoring	[§2103.12.h.6; §63.7330(a)]	For the PEC system baghouse applied to pushing emissions from a coke oven battery, the permittee shall at all times monitor the relative change in particulate matter loadings using a bag leak detection system according to the requirements in V.B.3.g below and conduct inspections at their specified frequency according to the following requirements:	Direct Measurement/ Records Review	Y	C	
V.B.3.f.1	Monitoring		Monitor the pressure drop across each baghouse cell each day to ensure pressure drop is within the normal operating range identified in the manual;	Direct Measurement/ Records Review	Y	C	
V.B.3.f.2	Monitoring		Confirm that dust is being removed from hoppers through weekly visual inspections or equivalent means of ensuring the proper functioning of removal mechanisms;	Physical Inspection/ Procedures	Y	C	
V.B.3.f.3	Monitoring		Check the compressed air supply for pulse-jet baghouses each day;	Physical Inspection/ Procedures	Y	C	
V.B.3.f.4	Monitoring		Monitor cleaning cycles to ensure proper operation using an appropriate methodology;	Physical Inspection/ Procedures	Y	C	
V.B.3.f.5	Monitoring		Check bag cleaning mechanisms for proper functioning through monthly visual inspection or equivalent means;	Physical Inspection/ Procedures	Y	C	
V.B.3.f.6	Monitoring		Make monthly visual checks of bag tension on reverse air and shaker-type baghouses to ensure that bags are not kinked (kneed or bent) or laying on their sides. You do not have to make this check for shaker-type baghouses using self-tensioning (spring-loaded) devices;	Physical Inspection/ Procedures	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.B.3.f.7	Monitoring		Confirm the physical integrity of the baghouse through quarterly visual inspections of the baghouse interior for air leaks; and	Physical Inspection/ Procedures	Y	C	
V.B.3.f.8	Monitoring		Inspect fans for wear, material buildup, and corrosion through quarterly visual inspections, vibration detectors, or equivalent means.	Physical Inspection/ Procedures	Y	C	
V.B.3.g	Monitoring	[§2103.12.h.6; §63.7331(a)]	The permittee shall install, operate, and maintain a bag leak detection system on the PEC baghouse according to the following requirements:	Engineering Judgement	Y	C	
V.B.3.g.1	Monitoring		The system must be certified by the manufacturer to be capable of detecting emissions of particulate matter at concentrations of 10 milligrams per actual cubic meter (0.0044 grains per actual cubic foot) or less;	Design Parameter	Y	C	
V.B.3.g.2	Monitoring		The system must provide output of relative changes in particulate matter loadings;	Design Parameter	Y	C	
V.B.3.g.3	Monitoring		The system must be equipped with an alarm that will sound when an increase in relative particulate loadings is detected over a preset level. The alarm must be located such that it can be heard by the appropriate plant personnel;	Design Parameter	Y	C	
V.B.3.g.4	Monitoring		Each system that works based on the triboelectric effect must be installed, operated, and maintained in a manner consistent with the guidance document, ``Fabric Filter Bag Leak Detection Guidance" (EPA-454/R-98-015, September 1997). You may install, operate, and maintain other types of bag leak detection systems in a manner consistent with the manufacturer's written specifications and recommendations;	Engineering Judgement	Y	C	
V.B.3.g.5	Monitoring		To make the initial adjustment of the system, establish the baseline output by adjusting the sensitivity (range) and the averaging period of the device. Then, establish the alarm set points and the alarm delay time;	Engineering Judgement	Y	C	
V.B.3.g.6	Monitoring		Following the initial adjustment, do not adjust the sensitivity or range, averaging period, alarm set points, or alarm delay time, except as detailed in your operation and maintenance plan. Do not increase the sensitivity by more than 100 percent or decrease the sensitivity by more than 50 percent over a 365-day period unless a responsible official certifies, in writing, that the baghouse has been inspected and found to be in good operating condition; and	Administrative Requirement	Y	C	
V.B.3.g.7	Monitoring		Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.	Engineering Judgement	Y	C	
V.B.3.h	Monitoring	[§2103.12.h.6; §63.7331(b)]	For each CPMS required in V.B.3.m below, you must develop and make available for inspection upon request by the permitting authority a site-specific monitoring plan that addresses the requirements in Conditions V.B.3.h.(1) through (6) below:	Administrative Requirement	Y	C	
V.B.3.h.1	Monitoring		Installation of the CPMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);	Direct Measurement/ Records Review	Y	C	
V.B.3.h.2	Monitoring		Performance and equipment specifications for the sample interface, the parametric signal analyzer, and the data collection and reduction system;	Design Parameter	Y	C	
V.B.3.h.3	Monitoring		Performance evaluation procedures and acceptance criteria (e.g., calibrations);	Engineering Judgement	Y	C	
V.B.3.h.4	Monitoring		Ongoing operation and maintenance procedures in accordance with the general requirements of §63.8(c)(1), (3), (4)(ii), (7), and (8);	Engineering Judgement	Y	C	
V.B.3.h.5	Monitoring		Ongoing data quality assurance procedures in accordance with the general requirements of §63.8(d); and	Engineering Judgement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.B.3.h.6	Monitoring		Ongoing recordkeeping and reporting procedures in accordance the general requirements of §63.10(c), (e)(1), and (e)(2)(i).	Administrative Requirement	Y	C	
V.B.3.i	Monitoring	[§2103.12.h.6; §63.7331(c)]	The permittee shall conduct a performance evaluation of each CPMS in accordance with your site-specific monitoring plan.	Records Review	Y	C	
V.B.3.j	Monitoring	[§2103.12.h.6; §63.7331(d)]	The permittee shall operate and maintain each CPMS in continuous operation according to the site-specific monitoring plan.	Administrative Requirement	Y	C	
V.B.3.k	Monitoring	[§2103.12.h.6; §63.7331(h)]	If the permittee elects the operating limit in V.B.1.e.1) above for a capture system applied to pushing emissions, you must install, operate, and maintain a device to measure the fan motor amperes.	Direct Measurement/ Records Review	Y	C	
V.B.3.l	Monitoring	[§2103.12.h.6; §63.7331(g)]	If the permittee elects the operating limit in V.B.1.e.2) above for a capture system applied to pushing emissions, you must install, operate, and maintain a device to measure the total volumetric flow rate at the inlet of the control device.	Direct Measurement/ Records Review	NA	NA	
V.B.3.m	Monitoring	[§2103.12.h.6; §63.7330(d)]	For each capture system applied to pushing emissions, the permittee shall at all times monitor the fan motor amperes according to the requirements in Condition V.B.3.k or the volumetric flow rate according to the requirements in Condition V.B.3.l above.	Direct Measurement/ Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.B.3.n	Monitoring	[§2103.12.h.6; §63.7332(a)]	Except for monitor malfunctions, associated repairs, and required quality assurance or control activities (including as applicable, calibration checks and required zero and span adjustments), the permittee shall monitor continuously (or collect data at all required intervals) at all times the affected source is operating.	Direct Measurement/ Records Review	Y	C	
V.B.3.o	Monitoring	[§2103.12.h.6; §63.7332(b)]	The permittee shall not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels, or in fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing compliance. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitor to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.	Records Review	Y	C	
V.B.3.p	Monitoring	[§2103.12.h.6; §63.7333(d)]	For each capture system applied to pushing emissions and subject to the operating limit in Condition V.B.1.e above, the permittee shall demonstrate continuous compliance by meeting the requirements in Condition V.B.3.p.1) or V.B.3.p.2) below:	Administrative Requirement	Y	C	
V.B.3.p.1	Monitoring		If the permittee elects the operating limit for fan motor amperes in V.B.1.e.1) V.B.1.e.1) above:	Administrative Requirement	Y	C	
V.B.3.p.1.a	Monitoring		Maintaining the daily average fan motor amperes at or above the minimum level established during the initial or subsequent performance test; and	Direct Measurement/ Records Review	Y	C	
V.B.3.p.1.b	Monitoring		Checking the fan motor amperes at least every 8 hours to verify the daily average is at or above the minimum level established during the initial or subsequent performance test and recording the results of each check.	Direct Measurement/ Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.B.3.p.2	Monitoring		If the permittee elects the operating limit for volumetric flow rate in V.B.1.e.2) above:	Administrative Requirement	NA	NA	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.B.3.p.2.a	Monitoring		Maintaining the daily average volumetric flow rate at the inlet of the control device at or above the minimum level established during the initial or subsequent performance test; and	Direct Measurement/ Records Review	NA	NA	
V.B.3.p.2.b	Monitoring		Checking the volumetric flow rate at least every 8 hours to verify the daily average is at or above the minimum level established during the initial or subsequent performance test and recording the results of each check.	Direct Measurement/ Records Review	NA	NA	
V.B.3.q	Monitoring	[§2103.12.h.6; §63.7334(a)]	The permittee shall demonstrate continuous compliance with the work practice standards for fugitive pushing emissions according to the following requirements:	Administrative Requirement	Y	C	
V.B.3.q.1	Monitoring		Observe and record the opacity of fugitive emissions for four consecutive pushes per operating day, except you may make fewer or non-consecutive observations as permitted by Condition V.B.3.c.2) above. Maintain records of the pushing schedule for each oven and records indicating the legitimate operational reason for any change in the pushing schedule according to Condition V.B.3.c.3) above.	Physical Inspection/ Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.B.3.q.2	Monitoring		Observe and record the opacity of fugitive emissions from each oven in a battery at least once every 90 days. If an oven cannot be observed during a 90-day period, observe and record the opacity of the first push of that oven following the close of the 90-day period that can be read in accordance with the procedures in paragraphs V.B.3.q.1) through V.B.3.q.8).	Physical Inspection/ Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.B.3.q.3	Monitoring		Make all observations and calculations for opacity observations of fugitive pushing emissions in accordance with Method 9 in Appendix A to 40 CFR Part 60 using a Method 9 certified observer unless you have an approved alternative procedure under V.B.3.q.7) below.	Physical Inspection/ Procedures	Y	C	
V.B.3.q.4	Monitoring		Record pushing opacity observations at 15-second intervals as required in section 2.4 of Method 9 (Appendix A to 40 CFR Part 60). The requirement in section 2.4 of Method 9 for a minimum of 24 observations does not apply, and the data reduction requirements in section 2.5 of Method 9 do not apply. The requirement in §63.6(h)(5)(ii) for obtaining at least 3 hours of observations (thirty 6-minute averages) to demonstrate initial compliance does not apply.	Physical Inspection/ Procedures	Y	C	
V.B.3.q.5	Monitoring		If fewer than six but at least four 15-second observations can be made, use the average of the total number of observations to calculate average opacity for the push. Missing one or more observations during the push (e.g., as the quench car passes behind a building) does not invalidate the observations before or after the interference for that push. However, a minimum of four 15-second readings must be made for a valid observation.	Physical Inspection	Y	C	
V.B.3.q.6	Monitoring		Begin observations for a push at the first detectable movement of the coke mass. End observations of a push when the quench car enters the quench tower.	Physical Inspection	Y	C	
V.B.3.q.6.a	Monitoring		Observe fugitive pushing emissions from a position at least 10 meters from the quench car that provides an unobstructed view and avoids interferences from the topside of the battery. This may require the observer to be positioned at an angle to the quench car rather than perpendicular to it. Typical interferences to avoid include emissions from open standpipes and charging.	Physical Inspection	Y	C	
V.B.3.q.6.b	Monitoring		Observe the opacity of emissions above the battery top with the sky as the background where possible. Record the oven number of any push not observed because of obstructions or interferences.	Physical Inspection/ Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.B.3.q.6.c	Monitoring		You may reposition after the push to observe emissions during travel if necessary.	Administrative Requirement	Y	C	
V.B.3.q.7	Monitoring		If it is infeasible to implement the procedures in Conditions V.B.3.q.1) through V.B.3.q.6) above for an oven due to physical obstructions, nighttime pushes, or other reasons, you may apply to the Department for permission to use an alternative procedure. The application must provide a detailed explanation of why it is infeasible to use the procedures in Conditions V.B.3.q.1) through V.B.3.q.6) above, identify the oven and battery numbers, and describe the alternative procedure. An alternative procedure must identify whether the coke in that oven is not completely coked, either before, during, or after an oven is pushed.	Administrative Requirement	Y	C	
V.B.3.q.8	Monitoring		For each oven observed that exceeds an opacity of 30 percent for any short battery or 35 percent for any tall battery, you must take corrective action and/or increase the coking time in accordance with Condition V.B.3.c above. Maintain records documenting conformance with Condition V.B.3.c above.	Process Knowledge/ Records Review	Y	C	
V.B.3.r	Monitoring	[§2103.12.h.6; §63.7335(c)]	To demonstrate continuous compliance with the operation and maintenance requirements for a baghouse applied to pushing emissions from a coke oven battery in V.B.3.g above, the permittee shall inspect and maintain each baghouse according to the requirements in Conditions V.B.3.g.1) through V.B.3.g.7) above and record all information needed to document conformance with these requirements. If you increase or decrease the sensitivity of the bag leak detection system beyond the limits specified in Condition V.B.3.g.6), you must include a copy of the required written certification by a responsible official in the next semiannual compliance report.	Physical Inspection/ Records Review	Y	C	
V.B.4.a	Record Keeping	[§2103.12.j, Installation Permit 0052-I006]]	The results of the inspections required by Condition V.B.3.b above shall be recorded weekly.	Records Review	Y	C	
V.B.4.b	Record Keeping	[§2102.04.b.6. , Installation Permit 0052-I006]]	Episodes of non-compliance with Conditions V.B.1.a through V.B.1.g above and corrective actions taken shall be recorded upon occurrence.	Records Review	Y	C	
V.B.4.c	Record Keeping	[§2102.04.b.6., Installation Permit 0052-I006]	The permittee shall keep records of each baghouse maintenance inspection and repair, replacement or other corrective action.	Records Review	Y	C	
V.B.4.d	Record Keeping	[2102.04.e., Installation Permit 0052-I006]	All records shall be retained by the facility for at least five (5) years. These records shall be made available to the Department upon request for inspection and/or copying.	Records Review	Y	C	
V.B.4.e	Record Keeping	[§2103.12.h.6; §63.7342(a)]	The permittee shall keep the following records:	Records Review	Y	C	
V.B.4.e.1	Record Keeping		A copy of each notification and report that was submitted to comply with this subpart, including all documentation supporting any initial notification or notification of compliance status that you submitted, according to the requirements in §63.10(b)(2)(xiv).	Records Review	Y	C	
V.B.4.e.2	Record Keeping		The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.	Records Review	Y	C	
V.B.4.e.3	Record Keeping		Records of performance tests, performance evaluations, and opacity observations as required in §63.10(b)(2)(viii).	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.B.4.f	Record Keeping	[§2103.12.h.6; §63.7342(b)]	For each COMS or CEMS, the permittee shall keep the following records.	Administrative Requirement	Y	C	
V.B.4.f.1	Record Keeping		Records described in §63.10(b)(2)(vi) through (xi).	Records Review	Y	C	
V.B.4.f.2	Record Keeping		Monitoring data for COMS during a performance evaluation as required in §63.6(h)(7)(i) and (ii).	Records Review	Y	C	
V.B.4.f.3	Record Keeping		Previous (that is, superceded) versions of the performance evaluation plan as required in §63.8(d)(3).	Records Review	Y	C	
V.B.4.f.4	Record Keeping		Records of the date and time that each deviation started and stopped and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Records Review	Y	C	
V.B.4.g	Record Keeping	[§2103.12.h.6; §63.7342(c)]	The permittee shall keep the records in §63.6(h)(6) for visual observations.	Records Review	Y	C	
V.B.4.h	Record Keeping	[§2103.12.h.6; §63.7342(d)]	The permittee shall keep the records required in Conditions V.B.3.p through V.B.3.r above and V.B. 4.l) through V.B.4.n below to show continuous compliance with each emission limitation, work practice standard, and operation and maintenance requirement that applies to you.	Records Review	Y	C	
V.B.4.i	Record Keeping	[§2103.12.h.6; §63.7343(a)]	The permittee shall keep records in a form suitable and readily available for expeditious review, according to §63.10(b)(1).	Records Review	Y	C	
V.B.4.j	Record Keeping	[§2103.12.h.6; §63.7343(b)]	As specified in §63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.	Records Review	Y	C	
V.B.4.k	Record Keeping	[§2103.12.h.6; §63.7343(c)]	The permittee shall keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records offsite for the remaining 3 years.	Records Review	Y	C	
V.B.4.l	Record Keeping	[§2103.12.h.6; §63.7335(b)]	For each coke oven battery with a capture system or control device applied to pushing emissions, the permittee shall demonstrate continuous compliance with the operation and maintenance requirements in Condition V.B.3.e above by meeting the following requirements:	Records Review	Y	C	
V.B.4.l.1	Record Keeping		Making monthly inspections of capture systems according to Condition V.B. 3.e.1) above and recording all information needed to document conformance with these requirements;	Physical Inspection/ Records Review	Y	C	
V.B.4.l.2	Record Keeping		Performing preventative maintenance for each control device according to Condition V.B. 3.e.2) above and recording all information needed to document conformance with these requirements; and	Process Knowledge/ Records Review	Y	C	
V.B.4.l.3	Record Keeping		Initiating and completing corrective action for a bag leak detection system alarm according to Condition V.B.3.e.3) above and recording all information needed to document conformance with these requirements. This includes records of the times the bag leak detection system alarm sounds, and for each valid alarm, the time you initiated corrective action, the corrective action(s) taken, and the date on which corrective action is completed.	Process Knowledge/ Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.B.4.m	Record Keeping	[63.7335(c)]	The permittee shall inspect and maintain the pushing emission control baghouse as required in V.B.3.g.1) through V.B.3.g.7) above and record all information needed to document conformance with these requirements. If you increase or decrease the sensitivity of the bag leak detection system beyond the limits specified in V.B.3.g.6) above, you must include a copy of the required written certification by a responsible official in the next semiannual compliance report.	Physical Inspection/ Records Review	Y	C	
V.B.4.n	Record Keeping	[63.7335(d)]	The permittee shall maintain a current copy of the operation and maintenance plans required in V.B.3.e onsite and available for inspection upon request. The plans shall be kept for the life of the affected source or until the affected source is no longer subject to the requirements of 40 CFR Part 63, Subpart CCCCC.	Records Review	Y	C	
V.B.5.a	Reporting	[§2109.03 and Enforcement Order 202.E, 3/28/90]	No later than twenty (20) days after the end of each month, a written report of a summary of the following during each such month shall be submitted to the Department:	Report Submission	Y	C	
V.B.5.a.1	Reporting		For each individual coke battery or group of batteries served by the same pushing emission control system, and for all coke batteries combined:	Engineering Judgement	Y	C	
V.B.5.a.1.a	Reporting		The total number of pushes for the month;	Records Review	Y	C	
V.B.5.a.1.b	Reporting		The total number of controlled pushes for the month; and the monthly percentage availability (on-line time) of the pushing control system, based on the total number of pushes and the total number of controlled pushes.	Records Review	Y	C	
V.B.5.a.2	Reporting		For each outage of the pushing control system at each individual coke battery or group of batteries served by the same pushing emission control system:	Records Review	Y	C	
V.B.5.a.2.a	Reporting		The batteries affected;	Records Review	Y	C	
V.B.5.a.2.b	Reporting		The starting and ending dates and times;	Records Review	Y	C	
V.B.5.a.2.c	Reporting		The total time of each outage, to the nearest tenth of an hour;	Records Review	Y	C	
V.B.5.a.2.d	Reporting		The corresponding Department Breakdown Number; and the reason(s) or cause(s) for the outage.	Records Review	Y	C	
V.B.5.b	Reporting	[2102.04.b.6., Installation Permit 0052-I006]]	The permittee shall report all instances of non-compliance with Conditions V.B.1.a through V.B.1.g above, V.B.3 above, V.B.4.a through V.B.4.d above along with all corrective action taken to restore the subject equipment to compliance, to the Department every six months.	Report Submission	Y	C	
V.B.5.c	Reporting	[2102.04.e., Installation Permit 0052-I006]	Reporting instances of non-compliance in accordance with Condition V.B.5.b above, does not relieve the permittee of the requirement to report breakdowns in accordance with §2108.01.c, if appropriate.	Report Submission	Y	C	
V.B.5.d	Reporting	[§2103.12.h.6; §63.7336(a)]	The permittee shall report each instance in which each emission limitation in Conditions V.B.1.d, V.B.1.e and V.B.1.f was not met. This includes periods of startup, shutdown, and malfunction. The permittee shall also report each instance in which the permittee did not meet each work practice standard or operation and maintenance requirement in Conditions V.B.6.a, V.B.6.b and V.B.6.c. These instances are deviations from the emission limitations (including operating limits), work practice standards, and operation and maintenance requirements of 40 CFR Part 63, Subpart CCCCC permit section. These deviations must be reported according to the requirements in V.B.5.h through V.B.5.k below.	Report Submission	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.B.5.e	Reporting	[§2103.12.h.6; §63.7336(b)]	During periods of startup, shutdown, and malfunction, you must operate in accordance with your startup, shutdown, and malfunction plan.	Administrative Requirement	Y	C	
V.B.5.e.1	Reporting		Consistent with §63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if you demonstrate to the Department's satisfaction that you were operating in accordance with the startup, shutdown, and malfunction plan.	Engineering Judgement	Y	C	
V.B.5.e.2	Reporting		The Department will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in §63.6(e).	Administrative Requirement	Y	C	
V.B.5.f	Reporting	[§2103.12.h.6; §63.7340(a)]	The permittee shall submit all of the notifications in §63.6(h)(4) and (5), 63.7(b) and (c), 63.8(e) and (f)(4), and 63.9(b) through (h) that apply to you by the specified dates.	Report Submission	Y	C	
V.B.5.g	Reporting	[§2103.12.h.6; §63.7340(d)]	If you are required to conduct a performance test, the permittee shall submit a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin as required in §63.7(b)(1).	Report Submission	Y	C	
V.B.5.h	Reporting	[§2103.12.h.6; §63.7341(a)]	Unless the Department has approved a different schedule, the permittee must submit semiannual compliance reports for the PEC stacks to the Department according to the requirements in Conditions V.B.5.h.1) and V.B.5.h.2) below:	Report Submission	Y	C	
V.B.5.h.1	Reporting		Each compliance report shall cover the semiannual reporting period as specified in General Condition III.15.d above. All semiannual compliance reports must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.	Administrative Requirement	Y	C	
V.B.5.h.2	Reporting		For each affected source that is subject to permitting regulations pursuant to 40 CFR Part 70 or 40 CFR Part 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the Department has established instead of according to the dates in Conditions V.B.5.h.1) above.	Administrative Requirement	Y	C	
V.B.5.i	Reporting	[§2103.12.h.6; §63.7341(c)]	Each semiannual compliance report must provide information on compliance with the emission limitations, work practice standards, and operation and maintenance requirements for all affected sources except battery stacks. The reports must include the information in V.B.5.i.1) through V.B.5.i.3) below, and as applicable, Conditions V.B.5.i.4) through V.B.5.i.8) below.	Records Review	Y	C	
V.B.5.i.1	Reporting		Company name and address.	Records Review	Y	C	
V.B.5.i.2	Reporting		Statement by a responsible official, with the official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.	Records Review	Y	C	
V.B.5.i.3	Reporting		Date of report and beginning and ending dates of the reporting period.	Records Review	Y	C	
V.B.5.i.4	Reporting		If there was a startup, shutdown, or malfunction during the reporting period and the permittee took actions consistent with the startup, shutdown, and malfunction plan, the compliance report must include the information in §63.10(d)(5)(i).	Records Review	Y	C	
V.B.5.i.5	Reporting		If there were no deviations from the continuous compliance requirements in Conditions V.B.3.p through V.B.3.r and V.B.4.l through V.B.4.n above (for all affected sources other than battery stacks), a statement that there were no deviations from the emission limitations, work practice standards, or operation and maintenance requirements during the reporting period.	Records Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.B.5.i.6	Reporting		If there were no periods during which a continuous monitoring system (including COMS, continuous emission monitoring system (CEMS), or CPMS) was out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which a continuous monitoring system was out-of-control during the reporting period.	Records Review	Y	C	
V.B.5.i.7	Reporting		For each deviation from an emission limitation in 40 CFR 63, Subpart CCCCC and for each deviation from the requirements for work practice standards in this 40 CFR Part 63, Subpart CCCCC that occurs at an affected source where the permittee is not using a continuous monitoring system (including a COMS, CEMS, or CPMS) to comply with the emission limitations in this subpart, the compliance report must contain the information in Conditions V.B.5.i.4), V.B.5.i.7)a) and V.B.5.i.7)b) below. This includes periods of startup, shutdown, and malfunction.	Records Review	Y	C	
V.B.5.i.7.a	Reporting		The total operating time of each affected source during the reporting period.	Records Review	Y	C	
V.B.5.i.7.b	Reporting		Information on the number, duration, and cause of deviations (including unknown cause, if applicable) as applicable and the corrective action taken.	Records Review	Y	C	
V.B.5.i.8	Reporting		For each deviation from an emission limitation occurring at an affected source where the permittee is using a continuous monitoring system (including COMS, CEMS, or CPMS) to comply with the emission limitation 40 CFR 63, Subpart CCCCC, the permittee must include the information in Conditions V.B.5.i.4), V.B.5.i.8)a) through V.B.5.i.8)l) below. This includes periods of startup, shutdown, and malfunction.	Records Review	Y	C	
V.B.5.i.8.a	Reporting		The date and time that each malfunction started and stopped.	Records Review	Y	C	
V.B.5.i.8.b	Reporting		The date and time that each continuous monitoring system (including COMS, CEMS, or CPMS) was inoperative, except for zero (low-level) and high-level checks.	Records Review	Y	C	
V.B.5.i.8.c	Reporting		The date, time, and duration that each continuous monitoring system (including COMS, CEMS, or CPMS) was out-of-control, including the information in §63.8(c)(8).	Records Review	Y	C	
V.B.5.i.8.d	Reporting		The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Records Review	Y	C	
V.B.5.i.8.e	Reporting		A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.	Records Review	Y	C	
V.B.5.i.8.f	Reporting		A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.	Records Review	Y	C	
V.B.5.i.8.g	Reporting		A summary of the total duration of continuous monitoring system downtime during the reporting period and the total duration of continuous monitoring system downtime as a percent of the total source operating time during the reporting period.	Records Review	Y	C	
V.B.5.i.8.h	Reporting		An identification of each HAP that was monitored at the affected source.	Records Review	Y	C	
V.B.5.i.8.i	Reporting		A brief description of the process units.	Records Review	Y	C	
V.B.5.i.8.j	Reporting		A brief description of the continuous monitoring system.	Records Review	Y	C	
V.B.5.i.8.k	Reporting		The date of the latest continuous monitoring system certification or audit.	Records Review	Y	C	
V.B.5.i.8.l	Reporting		A description of any changes in continuous monitoring systems, processes, or controls since the last reporting period.	Engineering Judgement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.B.5.j	Reporting	[§2103.12.h.6; §63.7341(d)]	If the permittee had a startup, shutdown, or malfunction during the semiannual reporting period that was not consistent with your startup, shutdown, and malfunction plan, you must submit an immediate startup, shutdown, and malfunction report according to the requirements in §63.10(d)(5)(ii).	Report Submission	Y	C	
V.B.5.k	Reporting	[§2103.12.h.6; §63.7341(e)]	If the permittee submits a compliance report for an affected source along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A), and the compliance report includes all the required information concerning deviations from any emission limitation or work practice standard in 40 CFR Part 63, Subpart CCCCC, submission of the compliance report satisfies any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report does not otherwise affect any obligation you may have to report deviations from permit requirements to the Department.	Administrative Requirement	Y	C	
V.B.6.a	Work Practice Standards	[§2103.12.h.6; §63.7310(c)]	The permittee shall develop and implement a written startup, shutdown, and malfunction plan according to the provisions in 40 CFR 63, Subpart A, §63.6(e)(3).	Engineering Judgement	Y	C	
V.B.6.b	Work Practice Standards	[§2103.12.k; §2103.12.h.6; §63.7300(a)]	As required by §63.6(e)(1)(i), the permittee shall operate and maintain each coke battery including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the level required by 40 CFR Part 63, Subpart CCCCC.	Process Knowledge	Y	C	
V.B.6.c	Work Practice Standards	[§2103.12.k; §2103.12.h.6; §63.7310(a)]	The permittee shall be in compliance with the emission limitations, work practice standards, and operation and maintenance requirements of 40 CFR 63, Subpart CCCCC at all times, except during periods of startup, shutdown, and malfunction as defined in §63.2.	Records Review	Y	C	
V.B.7	Additional Requirements		The definitions in 40 CFR 63.7352 are hereby incorporated into this permit by reference.	Administrative Requirement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.C.1.a	Restrictions	§2103.12.h.6; §63.307(a)(1)	The permittee shall install, operate and maintain a bypass/bleeder stack flare system in each battery that is capable of controlling 120 percent of the normal gas flow generated by each battery, which shall thereafter be operated and maintained. [§2103.12.h.6; §63.307(a)(1)]	Process Knowledge & Physical Inspection	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.C.1.b	Restrictions	[§2103.12.h.6.; §63.307(a)(2)	Coke oven emissions shall not be vented to the atmosphere through bypass/bleeder stacks, except through the flare system. [§2103.12.h.6.; §63.307(a)(2)]	Process Knowledge & Physical Inspection	Y	C	
V.C.1.c	Restrictions	§2103.12.h.6; §63.307(d)	As an alternative to the installation, operation, and maintenance of a flare system as required in Conditions V.A.1.a above and V.A.1.b above, the owner or operator may petition the Administrator and the Department for approval of an alternative control device or system that achieves at least 98 percent destruction or control of coke oven emissions vented to the alternative control device or system. [§2103.12.h.6; §63.307(d)]	Administrative Requirement	Y	C	
V.C.1.d	Restrictions	§2103.12.h.6; §63.307(b)(1)	The emergency bypass/bleeder stack flare system for each battery shall be designed for a net heating value of 240 Btu per standard cubic feet (Btu/scf).	Engineering Judgement	Y	C	
V.C.1.e	Restrictions	§2103.12.h.6.; §63.307(b)(2); §63.307(b)(4) and §63.309)(h)(2)	Each flare shall have a continuously operable pilot flame that is present at all times as determined by a thermocouple or any other equivalent device.	Process Knowledge & Physical Inspection	Y	C	
V.C.1.f	Restrictions	§2103.12.h.6; §63.310(a)	At all times including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain the coke oven batteries and the pollution control equipment required under 40 CFR Part 63, Subpart L, in a manner consistent with good air pollution control practices for minimizing emissions to the levels required by any applicable performance standards under Subpart L. Failure to adhere to these requirements shall not constitute a separate violation if a violation of an applicable performance or work practice standard has also occurred.	Record Review	Y	C	
V.C.1.g	Restrictions	§2105.21.h.4	The permittee shall not operate, or allow to be operated, any source in such manner that unburned coke oven gas is emitted into the open air. In addition, the permittee shall not flare, mix, or combust coke oven gas, or allow such gas to be flared, mixed or combusted unless the concentration of sulfur compounds, measured as hydrogen sulfide, in such gas is less than or equal to 40 grains per hundred dry standard cubic feet of coke oven gas produced by Clairton Works, when all sulfur emissions from the Claus Sulfur Recovery Plant and the tail gas cleaning equipment thereon, expressed as equivalent H2S are added to the measured H2S. The concentration of sulfur compounds specified shall include the tail-gas sulfur, measured as hydrogen sulfide, emitted from sulfur removal equipment.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.C.1.h	Restrictions	§2103.12.h.6.; §63.307(c) and §63.309(h)(1)	Each flare installed to meet the requirements of Conditions V.C.1.a through V.C.1.e above shall be operated with no visible emissions, as determined by Method 22 in Appendix A of 40 CFR Part 60, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours with an observation period of 2 hours.	Direct Measurement & Record Review	Y	C	

Title V Citation	Cate[illegible]	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.C.1.i	Restrictions	§2103.12.h.6.; §63.304(b)(2)	The permittee shall not cause to be discharged or allow to be discharged to the atmosphere coke oven emissions that exceed any of the following emission limitations:	Administrative	Y	C	
V.C.1.i.1	Restrictions		3.3 percent leaking coke oven doors as determined by the procedures in Condition V.C.3.d.1) below;	Direct Measurement & Record Review	Y	C	
V.C.1.i.2	Restrictions		0.4 percent leaking topside port lids, as determined by the procedures in Condition V.C.3.d.1) below;	Direct Measurement & Record Review	Y	C	
V.C.1.i.3	Restrictions		2.5 percent leaking offtake system(s), as determined by the procedures in Condition V.C.3.d.1) below; and	Direct Measurement & Record Review	Y	C	
V.C.1.i.4	Restrictions		12 seconds of visible emissions per charge, as determined by the procedures in Condition V.C.3.d.2) below.	Direct Measurement & Record Review	Y	C	
V.C.1.j	Restrictions	§2103.12.h.6; §63.306(c)(1)(i)	The permittee shall implement the provisions of the work practice plan required by Condition IV.27 above following the second independent exceedance of the visible emission limitation for the emission point in any consecutive 6-month period, by no later than 3 days after receipt of written notification of the second such exceedance from the certified observer.	Process Knowledge/ Record Review	Y	C	
V.C.1.k	Restrictions	§2105.21.a.1	The permittee shall not operate, or allow to be operated any battery of coke ovens in such manner that the aggregate of visible charging emissions exceeds a total of 55 seconds during any five (5) consecutive charges on such battery.	Direct Measurement & Record Review	Y	C	
V.C.1.l	0	§2105.21.b.4	The permittee shall not operate, or allow to be operated Coke Oven Batteries 13, 14 or 15 in such manner that emissions from the door areas of any coke oven exceed an opacity of 40% at any time 15 or more minutes after such oven has been charged.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.C.1.m	Restrictions	§2105.21.b.1.A, B & C	The permittee shall not operate, or allow to be operated Coke Oven Batteries 13, 14 or 15 in such manner that, at any time, there are visible emissions from more than five percent (5%) of the door areas of the operating coke ovens in such battery, excluding the two door areas of the last oven charged and any door areas obstructed from view.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.C.1.n	Restrictions	§2105.21.c.1	The permittee shall not operate, or allow to be operated Coke Oven Batteries 13, 14 or 15 in such manner that, at any time, there are visible emissions from more than one percent (1%) of the charging ports or charging port seals on the operating coke ovens of such battery.	Direct Measurement & Record Review	Y	C	
V.C.1.o	Restrictions	§2105.21.d.1	The permittee shall not operate, or allow to be operated Coke Oven Batteries 13, 14 or 15 in such manner that, at any time, there are visible emissions from more than four percent (4%) of the offtake piping on the operating coke ovens of such battery.	Direct Measurement & Record Review	Y	C	
V.C.1.p	Restrictions	§2105.21.e.5	The permittee shall not operate, or allow to be operated Coke Oven Batteries 13, 14 or 15 in such manner that visible emissions from the transport of hot coke in the open atmosphere exceed ten percent (10%) opacity at any time.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.

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Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.C.1.q	Restrictions	§2105.21.f.1	The permittee shall not operate, or allow to be operated, Coke Oven Batteries 13, 14 or 15 in such manner that, at any time, emissions from the combustion stack serving such battery exceed a particulate concentration of 0.015 grains per dry standard cubic foot.	Direct Measurement	Y	C	
V.C.1.r	Restrictions	§2105.21.f.3&4	The permittee shall not operate, or allow to be operated, Coke Oven Batteries 13, 14 or 15 in such manner that, at any time, emissions from the combustion stack serving each battery equal or exceed an opacity of 20% for a period or periods aggregating in excess of three (3) minutes in any 60 minute period; or equal or exceed an opacity of 60% at any time.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.C.1.s	Restrictions	Enforcement Order No. 161, July 23, 1990	The permittee shall install, operate, maintain and calibrate a continuous opacity monitoring system on each combustion stack serving Coke Oven Batteries 13, 14 and 15.	Process Knowledge & Record Review	Y	C	
V.C.1.t	Restrictions	§2103.12.h.6.; §63.7296(a) and (b)	The permittee shall not discharge to the atmosphere any emissions from any battery stack that exhibit an opacity greater than the following applicable limits:	Administrative	Y	C	
V.C.1.t.1	Restrictions		Daily average of 15 percent opacity for a battery on a normal coking cycle.	Direct Measurement & Record Review	Y	C	
V.C.1.t.2	Restrictions		Daily average of 20 percent opacity for a battery on batterywide extended coking.	Direct Measurement & Record Review	Y	C	
V.C.1.u	Restrictions	§2103.12.h.6; §63.7326(d)	The permittee shall submit a notification of compliance status containing the results of the COMS performance test for battery stacks within 30 calendar days following the completion of the compliance demonstration. For each particulate matter emission limitation that applies to you, the permittee shall submit a notification of compliance status containing the results of the performance test within 60 calendar days following completion of the performance test according to §63.10(d).	Record Review	Y	C	
V.C.1.v	Restrictions	§2105.21.f.2; §2105.21.h.4; 2101.11.b & c.	Emissions from each combustion stack for Coke Batteries No. 13, No. 14 or No. 15 shall not exceed the emission limitations in Table V-C-1.	Administrative Requirement	Y	C	
V.C.1.v	Restrictions		**POLLUTANT** **HOURLY LIMIT (lb/hr)** **ANNUAL LIMIT**				
V.C.1.v.1	Restrictions		PM 8.33 36.50		Y	C	
V.C.1.v.1	Restrictions		PM-10 8.33 36.50		Y	C	
V.C.1.v.1	Restrictions		PM 2.5 8.33 36.50		Y	C	
V.C.1.v.1	Restrictions		SO2 33.5 146.5		Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.C.1.v.1	Restrictions		A year is defined as any consecutive 12-month period.				

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.C.2.a	Testing	§2103.12.h.1; §2108.02.e; Second Consent Decree 6/24/93	The permittee shall have PM, PM2.5 and PM10 particulate emissions stack tests performed on each combustion stack of Coke Batteries 13, 14 and 15 at least once every four (4) years to demonstrate compliance with the mass emission standard in Condition V.C.1.q above . Particulate emission tests shall be conducted according to the methodology specified in 40 CFR 60, Appendix A, Methods 1 through 5, 201A and 202 (or other method specified). The permittee shall submit a stack test protocol to the Department for approval at least 45 days prior to the test dates. During each stack test performed, simultaneous visible emission evaluations shall be conducted according to the methodology specified in 40 CFR 60, Appendix A, Method 9, except for the provisions of Section 2.5 of Method 9.	Record Review	Y	C	
V.C.2.b	Testing	§2108.02.b, §2108.02.e.	The permittee shall have sulfur dioxide (SO2) emissions stack tests performed on each combustion stack of Coke Batteries 13, 14 and 15 at least once every two years to demonstrate compliance with the mass emission limitations for each combustion stack in Condition V.C.1.v above. SO2 emission tests shall be conducted according to Method 6, 6A, 6B, or 6C specified in 40 CFR 60, Appendix A. The permittee shall submit a stack test protocol to the Department for approval at least 45 days prior to the test dates.	Record Review	Y	C	
V.C.2.c	Testing	§2103.12.h.1, §2108.02.(b), §2108.02.(e)	The permittee shall perform emissions testing and evaluations for NOx on each combustion stack of Coke Batteries 13, 14 and 15 to develop emission factors that can be applied to quantify NOx emissions. This evaluation shall include stack testing, an analysis of B Battery CEM data, and an evaluation of gas combustion and operating variables that affect NOx. Testing for NOx shall be conducted at least once every two years in accordance with approved EPA Methods in Appendix A of 40 CFR Part 60, Article XXI §2108.02, and as approved by the Department. Reports of stack testing results shall be submitted to the Department within 90 days of the date of the stack test. The evaluation report shall be made available to the Department upon request and at permit renewal.	Record Review	Y	C	
V.C.2.d	Testing	§2103.12.h.1, §2108.02.(b), §2108.02.(e)	The permittee shall perform emissions tests and evaluations for CO and VOC on each combustion stack of Coke Batteries 13, 14 and 15 to develop emission factors that can be applied to quantify CO & VOC emissions. Testing for CO and VOC shall be conducted in accordance with approved EPA Methods in Appendix A of 40 CFR Part 60, Article XXI §2108.02, and as approved by the Department. Reports of the stack testing results shall be submitted to the Department within 90 days of the date of the stack test. The evaluation report shall be made available to the Department upon request and at permit renewal.	Record Review	Y	C	13 Battery Combustion stack was tested on April 27, 2012
V.C.2.e	Testing	§2103.12.h.1	The Department reserves the right to require additional emissions testing sufficient to assure compliance with the terms and conditions of this permit. Such testing shall be performed in accordance with Site Level Condition IV.13 above and Article XXI §2108.02.	Administrative Requirement	Y	C	
V.C.3.a	Monitoring		The permittee shall:	Administrative Requirement			
V.C.3.a.1	Monitoring	§2103.12.h.6.; §63.308(a)	Inspect the collecting main for leaks at least once daily according to the procedures in Method 303 in 40 CFR Part 63, Appendix A;	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.C.3.a.2	Monitoring	§2103.12.h.6.; §63.308(b)	Record the time and date a leak in the collecting main is first observed, the time and date the leak is temporarily sealed, and the time and date of repair;	Record Review	Y	C	
V.C.3.a.3	Monitoring	§2103.12.h.6.; §2103.12.i; §63.308(c)	Temporarily seal any leak in the collecting main as soon as possible after detection, but no later than 4 hours after detection of the leak; and	Record Review	Y	C	
V.C.3.a.4	Monitoring	§2103.12.h.6.; §63.308(d)	Initiate a collecting main repair as expeditiously as possible, but no later than 5 calendar days after initial detection of the leak. The repair shall be completed within 15 calendar days after initial detection of the leak unless an alternative schedule is approved by the Department.	Record Review	Y	C	
V.C.3.b	Monitoring	§2103.12.h.6.; §63.309(a)	Except as otherwise provided, a daily performance test shall be conducted each day, 7 days per week for each coke oven battery, the results of which shall be used in accordance with procedures in Conditions V.C.3.c below through V.C.3.f below to determine compliance with each of the applicable visible emission limitations for coke oven doors, topside port lids, offtake systems, and charging operations.	Administrative Requirement	Y	C	
V.C.3.b.1	Monitoring		Each performance test is to be conducted according to the procedures and requirements in Method 303 in Appendix A to 40 CFR Part 63 or Methods 9 and 22 in Appendix A to 40 CFR Part 60 (where applicable).	Record Review	Y	C	
V.C.3.b.2	Monitoring		Each performance test is to be conducted by a certified observer.	Record Review	Y	C	
V.C.3.b.3	Monitoring		The certified observer shall complete any reasonable safety training program offered by the permittee prior to conducting any performance test at a coke oven battery.	Record Review	Y	C	
V.C.3.b.4	Monitoring		Except as otherwise provided in §63.309(a)(5), the permittee shall pay an inspection fee to the Department each calendar quarter, as specified in §63.309(a)(4), to defray the costs of the daily performance tests required in Condition V.C.3.b above.	Record Review	Y	C	
V.C.3.b.5	Monitoring		If a facility pushes and charges only at night, then that facility must, at is option, change their schedule and charge during daylight hours or provide adequate lighting so that visible emission inspections can be made at night. "Adequate lighting" shall be determined by the Department.	Record Review	Y	C	
V.C.3.c	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(c)	The certified observer shall conduct each performance test according to the following requirements:	Administrative	Y	C	
V.C.3.c.1	Monitoring		The certified observer shall conduct one run each day to observe and record visible emissions from each coke oven door, topside port lid, and offtake system on each coke oven battery. The certified observer also shall conduct five runs to observe and record the seconds of visible emissions per charge for five consecutive charges from each coke oven battery. The observer may perform additional runs as needed to obtain and record a visible emissions value (or set of values) for an emission point that is valid under Method 303 in Appendix A of 40 CFR Part 63. Observations from fewer than five consecutive charges shall constitute a valid set of charging observations only in accordance with the procedures and conditions specified in Sections 3.8 and 3.9 of Method 303 in Appendix A of 40 CFR 63.	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.C.3.c.2	Monitoring		If a valid visible emissions value (or set of values) is not obtained for a performance test, there is no compliance determination for that day. Compliance determinations will resume on the next day that a valid visible emissions value (or set of values) is obtained.	Record Review	Y	C	
V.C.3.c.3	Monitoring		After each performance test, the certified observer shall check and record the collecting main pressure according to the procedures in Section 6.3 of Method 303 in Appendix A of 40 CFR Part 63.	Record Review	Y	C	
V.C.3.c.3.a	Monitoring		The permittee shall demonstrate pursuant to Method 303 in Appendix A of 40 CFR 63 the accuracy of the pressure measurement device upon request of the certified observer;	Record Review	Y	C	
V.C.3.c.3.b	Monitoring		The permittee shall not adjust the pressure to a level below the range of normal operation during or prior to the inspection;	Record Review	Y	C	
V.C.3.c.4	Monitoring		In no case shall the permittee knowingly block a coke oven door, or any portion of a door for the purpose of concealing emissions or preventing observations by the certified observer.	Record Review	Y	C	
V.C.3.d	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(d)	Using the observations obtained from each performance test, the Department shall compute and record, in accordance with the procedures and requirements of Method 303 in Appendix A of 40 CFR Part 63, for each day of operations on which a valid emissions value (or set of values) is obtained:	Administrative Requirement	Y	C	
V.C.3.d.1	Monitoring		The 30-run rolling average of the percent leaking coke oven doors, topside port lids, and offtake systems on each coke oven battery, using the equations in sections 4.5.3.2, 5.6.5.2, and 5.6.6.2 of Method 303 in Appendix A of 40 CFR 63;	Record Review	Y	C	
V.C.3.d.2	Monitoring		For by-product coke oven battery charging operations, the logarithmic 30-day rolling average of the seconds of visible emissions per charge for each battery, using the equation in section 3.9 of Method 303 in Appendix A of 40 CFR 63;	Record Review	Y	C	
V.C.3.e	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(e)	The certified observer shall make available to the Department as well as to the permittee, a copy of the daily inspection results by the end of the day and shall make available the calculated rolling average for each emission point to the permittee as soon as practicable following each performance test. The information provided by the certified observer is not a compliance determination. For the purpose of notifying the permittee of the results obtained by a certified observer, the person does not have to be certified.	Record Review	Y	C	
V.C.3.f	Monitoring	§2103.12.h.6.; §63.309(f)	Compliance shall not be determined more often than the schedule provided for performance tests in Condition V.C.3.b above. If additional valid emissions observations are obtained (or in the case of charging, valid sets of emission observations), the arithmetic average of all valid values (or valid sets of values) obtained during the day shall not be used in any computations performed to determine compliance under Condition V.C.3.d above or determinations under Condition IV.27 above.	Administrative Requirement	Y	C	
V.C.3.g	Monitoring	§2103.12.h.6.; §63.309(h)	For a flare installed to meet the requirements of Conditions V.C.1.d above and V.C.1.e above:	Administrative Requirement	Y	C	
V.C.3.g.1	Monitoring		Compliance with the provisions in Condition V.C.1.h above (visible emissions from flares) shall be determined using Method 22 in Appendix A to 40 CFR Part 60, with an observation period of 2 hours; and	Direct Measurement and Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.C.3.g.2	Monitoring		Compliance with the provisions in Condition V.C.1.e above (flare pilot light) shall be determined using a thermocouple or any other equivalent device.	Process Knowledge & Physical Inspection	Y	C	
V.C.3.h	Monitoring	§2103.12.h.6; §63.309(i)	No observations obtained during any program for training or for certifying observers under 40 CFR 63, Subpart L shall be used to determine compliance with the requirements of Subpart L or any other federally enforceable standard.	Administrative Requirement	Y	C	
V.C.3.i	Monitoring	§2103.12.h.6.; §63.7300(b)	The permittee shall prepare and operate at all times according to a written operation and maintenance plan for the general operation and maintenance of all coke oven batteries. Each plan must address, at a minimum, the following elements:	Record Review	Y	C	
V.C.3.i.1	Monitoring		Frequency and method of recording underfiring gas parameters.	Record Review	Y	C	
V.C.3.i.2	Monitoring		Frequency and method of recording battery operating temperature, including measurement of individual flue and cross-wall temperatures.	Record Review	Y	C	
V.C.3.i.3	Monitoring		Procedures to prevent pushing an oven before it is fully coked.	Record Review	Y	C	
V.C.3.i.4	Monitoring		Procedures to prevent overcharging and undercharging of ovens, including measurement of coal moisture, coal bulk density, and procedures for determining volume of coal charged.	Record Review	Y	C	
V.C.3.i.5	Monitoring		Frequency and procedures for inspecting flues, burners, and nozzles.	Record Review	Y	C	
V.C.3.6	Monitoring		Schedule and procedures for the daily washing of baffles	Record Review	Y	C	
V.C.3.j	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7330(e)	The permittee shall monitor at all times the opacity of emissions exiting each coke oven battery stack using a COMS according to the requirements in §63.7331(i).	Process Knowledge, Physical Inspection and Record Review	Y	C	
V.C.3.k	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7331(c)	The permittee shall conduct a performance evaluation of each CPMS in accordance with the site-specific monitoring plan .	Record Review	Y	C	
V.C.3.l	Monitoring	§2103.12.h.6.; §63.7331(d)	The permittee shall operate and maintain each CPMS in continuous operation according to the site-specific monitoring plan.	Record Review	Y	C	
V.C.3.m	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7331(j)	For coke oven battery, the permittee shall install, operate, and maintain a COMS to measure and record the opacity of emissions exiting each stack according to the requirements in Conditions V.C.3.m.1) through V.C.3.m.5) below:	Administrative Requirement	Y	C	
V.C.3.m.1	Monitoring		Install, operate, and maintain each COMS according to the requirements in §63.8(e) and Performance Specification 1 in 40 CFR Part 60, Appendix B. Identify periods when the COMS is out-of-control, including any periods that the COMS fails to pass a daily calibration drift assessment, quarterly performance audit, or annual zero alignment audit.	Physical Inspection & Record Review	Y	C	
V.C.3.m.2	Monitoring		Conduct a performance evaluation of each COMS according to the requirements in §63.8 and Performance Specification 1 in Appendix B to 40 CFR Part 60:	Record Review	Y	C	

Title V Citation	Ca. ..ry	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.C.3.m.3	Monitoring		Develop and implement a quality control program for operating and maintaining each COMS according to the requirements in §63.8(d). At minimum, the quality control program must include a daily calibration drift assessment, quarterly performance audit, and an annual zero alignment audit of each COMS;	Record Review	Y	C	
V.C.3.m.4	Monitoring		Each COMS must complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period. You must reduce the COMS data as specified in §63.8(g)(2).	Record Review	Y	C	
V.C.3.m.5	Monitoring		Determine and record the hourly and daily (24-hour) average opacity according to the procedures in V.C.2.e above using all the 6-minute averages collected for periods during which the COMS is not out-of-control.	Record Review	Y	C	
V.C.3.n	Monitoring	§2103.12.h.6.; §63.7332(a)	Except for monitor malfunctions, associated repairs, and required quality assurance or control activities (including as applicable, calibration checks and required zero and span adjustments), the permittee shall monitor continuously (or collect data at all required intervals) at all times the affected source is operating.	Process Knowledge & Record Review	Y	C	
V.C.3.o	Monitoring	§2103.12.h.6.; §63.7332(b)	The permittee shall not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels, or in fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing compliance. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitor to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.	Record Review	Y	C	
V.C.3.p	Monitoring	§2103.12.h.6.; §63.7333(e)	The permittee shall demonstrate continuous compliance for each by-product coke oven battery subject to the opacity limit for stacks in Condition V.C.1.t. above by meeting the requirements in Conditions V.C.3.p.1) and V.C.3.p.2) below:	Administrative Requirement	Y	C	
V.C.3.p.1	Monitoring		Maintaining the daily average opacity at or below 15 percent for a battery on a normal coking cycle or 20 percent for a battery on batterywide extended coking; and	Record Review	Y	C	
V.C.3.p.2	Monitoring		Operating and maintaining a COMS and collecting and reducing the COMS data according to Condition V.C.3.m above	Record Review	Y	C	
V.C.4.a	Record Keeping	§2103.12.h.6; §63.311(f); §2103.12.j	The permittee shall maintain files of all required information in a permanent form suitable for inspection at an onsite location for at least 1 year and must thereafter be accessible within 3 working days to the Department for a period of five years. Copies of the work practice plan developed under Condition IV.27 above and the startup, shutdown, and malfunction plan developed under V.C.6.c below shall be kept onsite at all times. The permittee shall maintain the following information:	Administrative Requirement	Y	C	
V.C.4.a.1	Record Keeping		A copy of the work practice plan required by Condition IV.27 above and any revision to the plan;	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.C.4.a.2	Record Keeping		If the permittee is required under Condition IV.27.c to implement the provisions of a work practice plan for a particular emission point, the following records regarding the implementation of plan requirements for that emission point during the implementation period:	Administrative Requirement	Y	C	
V.C.4.a.2.a	Record Keeping		Copies of all written and audiovisual materials used in the training, the dates of each class, the names of the participants in each class, and documentation that all appropriate personnel have successfully completed the training required under Condition IV.27.b.1) above;	Record Review	Y	C	
V.C.4.a.2.b	Record Keeping		The records required to be maintained by the plan provisions implementing Condition IV.27.b.6) above;	Record Review	Y	C	
V.C.4.a.2.c	Record Keeping		Records resulting from audits of the effectiveness of the work practice program for the particular emission point, as required under Conditions IV.27.b.2)a), IV.27.b.3)a), IV.27.b.4)a) or IV.27.b.5)a) above; and	Record Review	Y	C	
V.C.4.a.2.d	Record Keeping		If the plan provisions for coke oven doors must be implemented, records of the inventory of doors and jambs as required under Condition IV.27.b.2)f) above; and	Record Review	Y	C	
V.C.4.a.3	Record Keeping		The design drawings and engineering specifications for the bypass/bleeder stack flare system or approved alternative control device or system as required under Conditions V.C.1.C through V.C.1.d above.	Record Review	Y	C	
V.C.4.a.4	Record Keeping		Records specified in Condition V.C.6.g below regarding the basis of each malfunction notification.	Record Review	Y	C	
V.C.4.b	Record Keeping	§2103.12.j.; §63.7342(a)	The permittee shall keep the following records:	Administrative Requirement	Y	C	
V.C.4.b.1	Record Keeping		A copy of each notification and report that was submitted to comply with this subpart, including all documentation supporting any initial notification or notification of compliance status that you submitted, according to the requirements in §63.10(b)(2)(xiv).	Record Review	Y	C	
V.C.4.b.2	Record Keeping		The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.	Record Review	Y	C	
V.C.4.b.3	Record Keeping		Records of performance tests, performance evaluations, and opacity observations as required in §63.10(b)(2)(viii).	Record Review	Y	C	
V.C.4.c	Record Keeping	§2103.12.h.6.; §63.7342(b)	For each COMS or CEMS, the permittee shall keep the following records.	Administrative Requirement	Y	C	
V.C.4.c.1	Record Keeping		Records described in §63.10(b)(2)(vi) through (xi).	Record Review	Y	C	
V.C.4.c.2	Record Keeping		Monitoring data for COMS during a performance evaluation as required in §63.6(h)(7)(i) and (ii).	Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.C.4.c.3	Record Keeping		Previous (that is, superceded) versions of the performance evaluation plan as required in §63.8(d)(3).	Record Review	Y	C	
V.C.4.c.4	Record Keeping		Records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Record Review	Y	C	
V.C.4.d	Record Keeping	[§2103.12.j.; §63.7342©	The permittee shall keep the records in §63.6(h)(6) for visual observations.	Administrative Requirement	Y	C	
V.C.4.e	Record Keeping	§2103.12.h.6.; §63.7343(b)	As specified in §63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.	Record Review	Y	C	

Title V Citation	Cate[illegible]	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.C.4.f	Record Keeping	§2103.12.h.6; §63.7343©	The permittee shall keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records offsite for the remaining 3 years.	Record Review	Y	C	
V.C.4.g	Record Keeping	§63.7335(a)	The permittee must demonstrate continuous compliance with the operation and maintenance plans required in V.C.3.i above by adhering at all times to the plan requirements and recording all information needed to document conformance.	Record Review	Y	C	
V.C.4.h	Record Keeping	§2103.12.j.; §63.7335(d)	The permittee shall maintain a current copy of the operation and maintenance plans required in in V.C.3.i or §63.7300(b) onsite and available for inspection upon request. The plans shall be kept for the life of the affected source or until the affected source is no longer subject to the requirements of 40 CFR Part 63, Subpart CCCCC.	Record Review	Y	C	
V.C.4.i	Record Keeping	§2103.12.h.6.; §63.7334(d)	The permittee must demonstrate continuous compliance to the work practice standard for soaking in V.C.6.k by maintaining records that document conformance with requirements in V.C.6.k.1) through V.C.6.k.5).	Record Review	Y	C	
V.C.5.a	Reporting	§2103.12.h.6; §2103.12.k; §2109.03 and Enforcement Order 202. E, 3/28/90	No later than twenty (20) days after the end of each month, a written report of a summary of the following during each such month shall be submitted to the Department:	Administrative Requirement	Y	C	
V.C.5.a.1	Reporting		For all coke batteries combined, the daily average for the month of:	Administrative Requirement	Y	C	
V.C.5.a.1.a	Reporting		Coal charged, in tons;	Record Review	Y	C	
V.C.5.a.1.b	Reporting		Coke produced, in tons;	Record Review	Y	C	
V.C.5.a.1.c	Reporting		Total coke oven gas produced; in MMCF;	Record Review	Y	C	
V.C.5.a.1.d	Reporting		Quench water used, in gallons;	Record Review	Y	C	
V.C.5.a.1.e	Reporting		Elemental sulfur produced, in tons;	Record Review	Y	C	
V.C.5.a.1.f	Reporting		Sulfur content of coal, in percent; and	Record Review	Y	C	
V.C.5.a.1.g	Reporting		Sulfur content of coke, in percent.	Record Review	Y	C	
V.C.5.a.2	Reporting		For all periods during which contaminated quench water was used:	Administrative Requirement	Y	C	
V.C.5.a.2.a	Reporting		The batteries affected;	Record Review	Y	C	
V.C.5.a.2.b	Reporting		The starting and ending dates and times;	Record Review	Y	C	
V.C.5.a.2.c	Reporting		The total time of each period, and total for the month, to the nearest tenth of an hour;	Record Review	Y	C	
V.C.5.a.2.d	Reporting		The corresponding Department Breakdown Number;	Record Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.C.5.a.2.e	Reporting		The average flow rates of contaminated water to both the quench towers and the water treatment plant during the period, each in gallons per minute; and	Record Review	Y	C	
V.C.5.a.2.f	Reporting		The reason(s) or cause(s) for each period.	Record Review	Y	C	
V.C.5.b	Reporting	Enforcement Order No. 161, July 23, 1990	No later than twenty (20) days after the end of each month, a written report of a summary of the following for each combustion stack continuous opacity monitoring system during each such month shall be submitted to the Department:	Administrative Requirement	Y	C	
V.C.5.b.1	Reporting		The monthly average percent availability (on-line time), based on total minutes of coke operations and total minutes available;	Record Review	Y	C	
V.C.5.b.2	Reporting		The daily percentage available;	Record Review	Y	C	
V.C.5.b.3	Reporting		The number of days on which there was less than 100% availability;	Record Review	Y	C	
V.C.5.b.4	Reporting		For each of the coke oven combustion stack visible emission standards set forth in §2105.21.f.3. & f.4. , the total number of hours for the month, and the number of hours each day, during which an exceedance of such standard was measured by such continuous opacity monitor;	Record Review	Y	C	
V.C.5.b.5	Reporting		The number and nature of tests, calibrations, and any other quality assurance activities performed; and	Record Review	Y	C	
V.C.5.b.6	Reporting		The dates, times and results of all such activities.	Record Review	Y	C	
V.C.5.c	Reporting	§2103.12.k.; §63.311(d)	The permittee shall include the following information in the semiannual compliance certification:	Administrative Requirement	Y	C	
V.C.5.c.1	Reporting		Certification, signed by the permittee, that no coke oven gas was vented, except through the bypass/bleeder stack flare system during the reporting period or that a venting report has been submitted according to the requirements in V.C.5.d below.	Record Review	Y	C	
V.C.5.c.2	Reporting		Certification, signed by the permittee, that a startup, shutdown, or malfunction event did not occur for a coke oven battery during the reporting period or that a startup, shutdown, and malfunction event did occur and a report was submitted according to the requirements in V.C.6.f below; and	Record Review	Y	C	
V.C.5.c.3	Reporting		Certification, signed by the permittee, that work practices were implemented if applicable under Condition IV.27 above.	Record Review	Y	C	
V.C.5.d	Reporting	§2103.12.h.6.; §63.311(e)	The permittee shall report any venting of coke oven gas through a bypass/bleeder stack that was not vented through the bypass/bleeder stack flare system to the Department as soon as practicable but no later than 24 hours after the beginning of the event. A written report shall be submitted within 30 days of the event and shall include a description of the event and, if applicable, a copy of the notification for a hazardous substance release required pursuant to 40 CFR 302.6.	Record Review	Y	C	
V.C.5.e	Reporting	§2103.12.h.6.; §63.310(d)	In order for the provisions of §63.310(j) to apply with respect to the observation (or set of observations) for a particular day, notification of a startup, shutdown, or a malfunction shall be made by the permittee as follows:	Administrative Requirement	Y	C	
V.C.5.e.1	Reporting		If practicable, to the certified observer if the observer is at the facility during the occurrence; or	Record Review	Y	C	

Title V Citation	Catego	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.C.5.e.2	Reporting		To the Department, in writing, within 24 hours of the occurrence first being documented by a company employee, and if the notification was not made, an explanation of why no such notification was made.	Record Review	Y	C	
V.C.5.f	Reporting	§2103.12.k.; §63.310(e)	Within 14 days of the notification startup, shutdown, or a malfunction, the permittee shall submit a written report to the Department that:	Administrative Requirement	Y	C	
V.C.5.f.1	Reporting		Describes the time and circumstances of the startup, shutdown, or malfunction; and	Record Review	Y	C	
V.C.5.f.2	Reporting		Describes actions taken that might be considered inconsistent with the startup, shutdown, or malfunction plan.	Record Review	Y	C	
V.C.5.g	Reporting	Consent Order and Agreement (COA) Third Amendment, July 6, 2011 V.a.1	The permittee shall submit a written quarterly report within thirty (30) days after the close of each calendar quarter to the Department. The quarterly reports shall contain, at minimum the list of every clock hour in the calendar quarter that compliance is not achieved for Article XXI opacity limits applicable to Batteries 13-15 combustion stacks as measured by the combustion stacks continuous opacity monitor (COM). U.S. Steel shall indicate the date, time, root cause, and ovens that are believed to have contributed to the exceedance.	Record Review	Y	C	
V.C.5.h	Reporting	Consent Order and Agreement (COA) Third Amendment, July 6, 2011, Condition V.a.8	The permittee shall submit to the Department a Semi-Annual Deviation Report for all deviations from Article XXI §2105.21(e)(4) and (e)(5) for Batteries 13-15.	Record Review	Y	C	
V.C.5.i	Reporting	§2103.12.h.6.; §63.7336(a)	The permittee shall report each instance in which you did not meet each emission limitation in 40 CFR Part 63, Subpart CCCCC that applies to you. This includes periods of startup, shutdown, and malfunction. The permittee shall also report each instance in which you did not meet each work practice standard or operation and maintenance requirement in this 40 CFR Part 63, Subpart CCCCC that applies to you. These instances are deviations from the emission limitations (including operating limits), work practice standards, and operation and maintenance requirements in this 40 CFR Part 63, Subpart CCCCC. These deviations must be reported according to the requirements in V.C.5.m through V.C.5.q below.	Record Review	Y	C	
V.C.5.j	Reporting	§2103.12.h.6.; §63.7336(b)	During periods of startup, shutdown, and malfunction, you must operate in accordance with your startup, shutdown, and malfunction plan.	Record Review	Y	C	
V.C.5.j.1	Reporting		Consistent with §63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if you demonstrate to the Department's satisfaction that you were operating in accordance with the startup, shutdown, and malfunction plan.	Record Review	Y	C	
V.C.5.j.2	Reporting		The Department will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in §63.6(e).	Administrative Requirement	Y	C	
V.C.5.k	Reporting	§2103.12.h.6.; §63.7340(a)	The permittee shall submit all of the notifications in §63.6(h)(4) and (5), 63.7(b) and (c), 63.8(e) and (f)(4), and 63.9(b) through (h) that apply to you by the specified dates.	Record Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.C.5.l	Reporting	§2103.12.h.6; §63.7340(d)	If you are required to conduct a performance test, the permittee shall submit a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin as required in §63.7(b)(1).	Record Review	Y	C	
V.C.5.m	Reporting	§2103.12.h.6.; §63.7341(a)	Unless the Department has approved a different schedule, you must submit quarterly compliance reports for battery stacks and semiannual compliance reports for all other affected sources according to the requirements in V.C.5.m.1) through V.C.5.m.2) below:	Record Review	Y	C	
V.C.5.m.1	Reporting		Each quarterly compliance report for battery stacks shall be submitted in accordance with General Condition III.15.e above.	Record Review	Y	C	
V.C.5.m.2	Reporting		All quarterly compliance reports for battery stacks must be postmarked or delivered no later than one calendar month following the end of the quarterly reporting period.	Record Review	Y	C	
V.C.5.n	Reporting	§2103.12.h.6; §63.7341(b)	Each quarterly compliance report must provide information on compliance with the emission limitations for battery stacks in V.C.1.t above. The reports must include the information in Conditions V.C.5.o.1) through V.C.5.o.3) below, and as applicable, Conditions V.C.5.o.4) through V.C.5.o.8) below.	Record Review	Y	C	
V.C.5.o	Reporting	§2103.12.h.6; §63.7341(c)	Each semiannual compliance report must provide information on compliance with the emission limitations, work practice standards, and operation and maintenance requirements for all affected sources except battery stacks. The reports must include the information V.C.5.o.1) through V.C.5.o.3), and as applicable, Conditions V.C.5.o.4) through V.C.5.o.8) below.	Record Review	Y	C	
V.C.5.o.1	Reporting		Company name and address.	Record Review	Y	C	
V.C.5.o.2	Reporting		Statement by a responsible official, with the official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.	Record Review	Y	C	
V.C.5.o.3	Reporting		Date of report and beginning and ending dates of the reporting period.	Record Review	Y	C	
V.C.5.o.4	Reporting		If you had a startup, shutdown, or malfunction during the reporting period and you took actions consistent with your startup, shutdown, and malfunction plan, the compliance report must include the information in §63.10(d)(5)(i).	Record Review	Y	C	
V.C.5.o.5	Reporting		If there were no deviations from the continuous compliance requirements in V.C.3.p for battery stacks, a statement that there were no deviations from the emission limitations during the reporting period.	Record Review	Y	C	
V.C.5.o.6	Reporting		If there were no periods during which a continuous monitoring system (including COMS, continuous emission monitoring system (CEMS), or CPMS) was out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which a continuous monitoring system was out-of-control during the reporting period.	Record Review	Y	C	

Title V Citation	Cate[illegible]	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.C.5.o.7	Reporting		For each deviation from an emission limitation in 40 CFR 63, Subpart CCCCC and for each deviation from the requirements for work practice standards in this 40 CFR Part 63, Subpart CCCCC that occurs at an affected source where you are not using a continuous monitoring system (including a COMS, CEMS, or CPMS) to comply with the emission limitations in this subpart, the compliance report must contain the information in Conditions V.C.5.o.4), V.C.5.o.7)a) and V.C.5.o.7)b) below. This includes periods of startup, shutdown, and malfunction.	Record Review	Y	C	
V.C.5.o.7.a	Reporting		The total operating time of each affected source during the reporting period.	Record Review	Y	C	
V.C.5.o.7.b	Reporting		Information on the number, duration, and cause of deviations (including unknown cause, if applicable) as applicable and the corrective action taken.	Record Review	Y	C	
V.C.5.o.8	Reporting		For each deviation from an emission limitation occurring at an affected source where you are using a continuous monitoring system (including COMS, CEMS, or CPMS) to comply with the emission limitation 40 CFR 63, Subpart CCCCC, you must include the information in Conditions V.C.5.o.4), V.C.5.o.8)a) through V.C.5.o.8)l) below. This includes periods of startup, shutdown, and malfunction.	Record Review	Y	C	
V.C.5.o.8.a	Reporting		The date and time that each malfunction started and stopped.	Record Review	Y	C	
V.C.5.o.8.b	Reporting		The date and time that each continuous monitoring system (including COMS, CEMS, or CPMS) was inoperative, except for zero (low-level) and high-level checks.	Record Review	Y	C	
V.C.5.o.8.c	Reporting		The date, time, and duration that each continuous monitoring system (including COMS, CEMS, or CPMS) was out-of-control, including the information in §63.8(c)(8).	Record Review	Y	C	
V.C.5.o.8.d	Reporting		The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Record Review	Y	C	
V.C.5.o.8.e	Reporting		A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.	Record Review	Y	C	
V.C.5.o.8.f	Reporting		A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.	Record Review	Y	C	
V.C.5.o.8.g	Reporting		A summary of the total duration of continuous monitoring system downtime during the reporting period and the total duration of continuous monitoring system downtime as a percent of the total source operating time during the reporting period.	Record Review	Y	C	
V.C.5.o.8.h	Reporting		An identification of each HAP that was monitored at the affected source.	Record Review	Y	C	
V.C.5.o.8.i	Reporting		A brief description of the process units.	Record Review	Y	C	
V.C.5.o.8.j	Reporting		A brief description of the continuous monitoring system.	Record Review	Y	C	
V.C.5.o.8.k	Reporting		The date of the latest continuous monitoring system certification or audit.	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.C.5.o.8.1	Reporting		A description of any changes in continuous monitoring systems, processes, or controls since the last reporting period.	Record Review	Y	C	
V.C.5.p	Reporting	§2103.12.k; §63.7341(d)	If the permittee had a startup, shutdown, or malfunction during the semiannual reporting period that was not consistent with your startup, shutdown, and malfunction plan, you must submit an immediate startup, shutdown, and malfunction report according to the requirements in §63.10(d)(5)(ii).	Record Review	Y	C	
V.C.5.q	Reporting	§2103.12.k; §63.7341(e)	If the permittee submits a compliance report for an affected source along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A), and the compliance report includes all the required information concerning deviations from any emission limitation or work practice standard in 40 CFR Part 63, Subpart CCCCC, submission of the compliance report satisfies any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report does not otherwise affect any obligation you may have to report deviations from permit requirements to the Department.	Record Review	Y	C	
V.C.6.a	Work Practice Standards		Coke Oven Batteries 13, 14 and 15 shall be properly maintained and operated at all times according to good engineering and air pollution control practices . [RACT Plan 234]	Engineering Judgement & Record Review	Y	C	
V.C.6.b	Work Practice Standards		The permittee shall comply with the provisions of applicable workpractice requirements in Site level Condition IV.27 IV.27.e above. [§2103.12.h.6.; §63.306(a)]	Record Review	Y	C	
V.C.6.c	Work Practice Standards		The permittee shall develop and implement according to Condition V.C.6.d below, a written startup, shutdown, and malfunction plan that describes procedures for operating the battery, including associated air pollution control equipment, during a period of a startup, shutdown, or malfunction in a manner consistent with good air pollution control practices for minimizing emissions, and procedures for correcting malfunctioning process and air pollution control equipment as quickly as practicable. All the provisions of Site Level Condition IV.8 above remain applicable and are not superceded by operating in accordance with the startup, shutdown, and malfunction plan. [§2103.12.h.6.; §63.310(b)]	Record Review	Y	C	
V.C.6.d	Work Practice Standards		During a period of startup, shutdown, or malfunction the permittee shall: [§2103.12.h.6.; §63.310(c)]	Administrative Requirement	Y	C	
V.C.6.d.1	Work Practice Standards		Operate the battery (including associated air pollution control equipment) in accordance with the procedure specified in the startup, shutdown, and malfunction plan; and	Record Review	Y	C	
V.C.6.d.2	Work Practice Standards		Correct malfunctions as soon as practicable after their occurrence, in accordance with the plan.	Record Review	Y	C	
V.C.6.e	Work Practice Standards		In order for the provisions of Condition V.C.6.j below to apply with respect to the observation (or set of observations) for a particular day, notification of a startup, shutdown, or a malfunction shall be made by the permittee: [§2103.12.h.6.; §63.310(d)]	Administrative Requirement	Y	C	
V.C.6.e.1	Work Practice Standards		If practicable, to the certified observer if the observer is at the facility during the occurrence; or		Y	C	

Title V Citation	Ca ry	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.C.6.e.2	Work Practice Standards		To the Department, in writing, within 24 hours of the occurrence first being documented by a company employee, and if the notification under Condition V.C.6.e.1) above was not made, an explanation of why no such notification was made.	Record Review	Y	C	
V.C.6.f	Work Practice Standards		Within 14 days of the notification made under Condition V.C.6.e above, or after a startup or shutdown, the permittee shall submit a written report to the Department that: [§2103.12.h.6.; §63.310(e)]	Administrative Requirement	Y	C	
V.C.6.f.1	Work Practice Standards		Describes the time and circumstances of the startup, shutdown, or malfunction; and	Record Review	Y	C	
V.C.6.f.2	Work Practice Standards		Describes actions taken that might be considered inconsistent with the startup, shutdown, or malfunction plan.	Record Review	Y	C	
V.C.6.g	Work Practice Standards		The permittee shall maintain a record of internal reports which form the basis of each malfunction notification under Condition V.C.6.e above. [§2103.12.h.6.; §63.310(f)]	Record Review	Y	C	
V.C.6.h	Work Practice Standards		To satisfy the requirements of §63.310 to develop a startup, shutdown, and malfunction plan, the permittee may use the standard operating procedures manual for the battery, provided the manual meets all the requirements §63.310 and is made available for inspection at reasonable times when requested by the Department. [§2103.12.h.6; §63.310(g)]	Record Review	Y	C	
V.C.6.i	Work Practice Standards		The Department may require reasonable revisions to a startup, shutdown, and malfunction plan, if the Department finds that the plan: [§2103.12.h.6.; §63.310(h)]	Administrative Requirement	Y	C	
V.C.6.i.1	Work Practice Standards		Does not address a startup, shutdown, or malfunction event that has occurred;	Record Review	Y	C	
V.C.6.i.2	Work Practice Standards		Fails to provide for the operation of the source (including associated air pollution control equipment) during a startup, shutdown, or malfunction event in a manner consistent with good air pollution control practices for minimizing emissions; or	Record Review	Y	I	
V.C.6.i.3	Work Practice Standards		Does not provide adequate procedures for correcting malfunctioning process and/or air pollution control equipment as quickly as practicable.	Record Review	Y	C	
V.C.6.j	Work Practice Standards		If the permittee demonstrates to the satisfaction of the Department that a startup, shutdown, or malfunction has occurred, then an observation occurring during such startup, shutdown, or malfunction shall not: [§2103.12.h.6; §63.310(i)]	Administrative Requirement	Y	C	
V.C.6.j.1	Work Practice Standards		Constitute a violation of relevant requirements of 40 CFR 63, Subpart L;	Record Review	Y	C	
V.C.6.j.2	Work Practice Standards		Be used in any compliance determination under§63.309; or	Record Review	Y	C	
V.C.6.j.3	Work Practice Standards		Be considered for purposes of Condition IV.27 above, until the Department has resolved the claim that a startup, shutdown, or malfunction has occurred. If the Department determines that a startup, shutdown, or malfunction has not occurred, such observations may be used for purposes of Conditions IV.27 above, regardless of whether the permittee further contests such determination. The permittee's receipt of written notification from the Department that a startup, shutdown, or malfunction has not occurred will serve, where applicable under Conditions IV.27 above, as written notification from the certified observer that an exceedance has occurred.	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.C.6.k	Work Practice Standards		The permittee shall prepare and operate at all times according to a written work practice plan for soaking. Each plan must include measures and procedures to: [§2103.12.h.6; §63.7294(a)]	Record Review	Y	C	
V.C.6.k.1	Work Practice Standards		Train topside workers to identify soaking emissions that require corrective actions.	Record Review	Y	C	
V.C.6.k.2	Work Practice Standards		Damper the oven off the collecting main prior to opening the standpipe cap.	Record Review	Y	C	
V.C.6.k.3	Work Practice Standards		Determine the cause of soaking emissions that do not ignite automatically, including emissions that result from raw coke oven gas leaking from the collecting main through the damper, and emissions that result from incomplete coking.	Record Review	Y	C	
V.C.6.k.4	Work Practice Standards		If soaking emissions are caused by leaks from the collecting main, take corrective actions to eliminate the soaking emissions. Corrective actions may include, but are not limited to, reseating the damper, cleaning the flushing liquor piping, using aspiration, putting the oven back on the collecting main, or igniting the emissions.	Record Review	Y	C	
V.C.6.k.5	Work Practice Standards		If soaking emissions are not caused by leaks from the collecting main, notify a designated responsible party. The responsible party must determine whether the soaking emissions are due to incomplete coking. If incomplete coking is the cause of the soaking emissions, you must put the oven back on the collecting main until it is completely coked or you must ignite the emissions.	Record Review	Y	C	
V.C.6.l	Work Practice Standards		As provided in §63.6(g), the permittee may request to use an alternative to the work practice standard for soaking in Condition V.C.6.k above. [§2103.12.h.6; §63.7294(b)]	Record Review	Y	C	
V.C.6.m	Work Practice Standards		The permittee shall be in compliance with the emission limitations, work practice standards, and operation and maintenance requirements of 40 CFR 63, Subpart CCCCC at all times, except during periods of startup, shutdown, and malfunction as defined in §63.2. [§2103.12.h.6; §63.7310(a)]	Record Review	Y	C	
V.C.7	Work Practice Standards		The definitions in 40 CFR 63.7352 are hereby incorporated into this permit by reference.	Administrative Requirement	Y	C	

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Title V Citation	C ory	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.C.1.a	Restrictions	§2103.12.h.6; §63.307(a)(1)	The permittee shall install, operate and maintain a bypass/bleeder stack flare system in each battery that is capable of controlling 120 percent of the normal gas flow generated by each battery, which shall thereafter be operated and maintained. [§2103.12.h.6; §63.307(a)(1)]	Process Knowledge & Physical Inspection	Y	C	
V.C.1.b	Restrictions	[§2103.12.h.6.; §63.307(a)(2)	Coke oven emissions shall not be vented to the atmosphere through bypass/bleeder stacks, except through the flare system. [§2103.12.h.6.; §63.307(a)(2)]	Process Knowledge & Physical Inspection	Y	C	
V.C.1.c	Restrictions	§2103.12.h.6; §63.307(d)	As an alternative to the installation, operation, and maintenance of a flare system as required in Conditions V.A.1.a above and V.A.1.b above, the owner or operator may petition the Administrator and the Department for approval of an alternative control device or system that achieves at least 98 percent destruction or control of coke oven emissions vented to the alternative control device or system. [§2103.12.h.6; §63.307(d)]	Administrative Requirement	Y	C	
V.C.1.d	Restrictions	§2103.12.h.6; §63.307(b)(1)	The emergency bypass/bleeder stack flare system for each battery shall be designed for a net heating value of 240 Btu per standard cubic feet (Btu/scf).	Engineering Judgement	Y	C	
V.C.1.e	Restrictions	§2103.12.h.6.; §63.307(b)(2); §63.307(b)(4) and §63.309)(h)(2)	Each flare shall have a continuously operable pilot flame that is present at all times as determined by a thermocouple or any other equivalent device.	Process Knowledge & Physical Inspection	Y	C	
V.C.1.f	Restrictions	§2103.12.h.6; §63.310(a)	At all times including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain the coke oven batteries and the pollution control equipment required under 40 CFR Part 63, Subpart L, in a manner consistent with good air pollution control practices for minimizing emissions to the levels required by any applicable performance standards under Subpart L. Failure to adhere to these requirements shall not constitute a separate violation if a violation of an applicable performance or work practice standard has also occurred.	Record Review	Y	C	
V.C.1.g	Restrictions	§2105.21.h.4	The permittee shall not operate, or allow to be operated, any source in such manner that unburned coke oven gas is emitted into the open air. In addition, the permittee shall not flare, mix, or combust coke oven gas, or allow such gas to be flared, mixed or combusted unless the concentration of sulfur compounds, measured as hydrogen sulfide, in such gas is less than or equal to 40 grains per hundred dry standard cubic feet of coke oven gas produced by Clairton Works, when all sulfur emissions from the Claus Sulfur Recovery Plant and the tail gas cleaning equipment thereon, expressed as equivalent H2S are added to the measured H2S. The concentration of sulfur compounds specified shall include the tail-gas sulfur, measured as hydrogen sulfide, emitted from sulfur removal equipment.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.C.1.h	Restrictions	§2103.12.h.6.; §63.307(c) and §63.309(h)(1)	Each flare installed to meet the requirements of Conditions V.C.1.a through V.C.1.e above shall be operated with no visible emissions, as determined by Method 22 in Appendix A of 40 CFR Part 60, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours with an observation period of 2 hours.	Direct Measurement & Record Review	Y	C	
V.C.1.i	Restrictions	§2103.12.h.6.; §63.304(b)(2)	The permittee shall not cause to be discharged or allow to be discharged to the atmosphere coke oven emissions that exceed any of the following emission limitations:	Administrative	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.C.1.i.1	Restrictions		3.3 percent leaking coke oven doors as determined by the procedures in Condition V.C.3.d.1) below;	Direct Measurement & Record Review	Y	C	
V.C.1.i.2	Restrictions		0.4 percent leaking topside port lids, as determined by the procedures in Condition V.C.3.d.1) below;	Direct Measurement & Record Review	Y	C	
V.C.1.i.3	Restrictions		2.5 percent leaking offtake system(s), as determined by the procedures in Condition V.C.3.d.1) below; and	Direct Measurement & Record Review	Y	C	
V.C.1.i.4	Restrictions		12 seconds of visible emissions per charge, as determined by the procedures in Condition V.C.3.d.2) below.	Direct Measurement & Record Review	Y	C	
V.C.1.j	Restrictions	§2103.12.h.6; §63.306(c)(1)(i)	The permittee shall implement the provisions of the work practice plan required by Condition IV.27 above following the second independent exceedance of the visible emission limitation for the emission point in any consecutive 6-month period, by no later than 3 days after receipt of written notification of the second such exceedance from the certified observer.	Process Knowledge/ Record Review	Y	C	
V.C.1.k	Restrictions	§2105.21.a.1	The permittee shall not operate, or allow to be operated any battery of coke ovens in such manner that the aggregate of visible charging emissions exceeds a total of 55 seconds during any five (5) consecutive charges on such battery.	Direct Measurement & Record Review	Y	C	
V.C.1.l	Restrictions	§2105.21.b.4	The permittee shall not operate, or allow to be operated Coke Oven Batteries 13, 14 or 15 in such manner that emissions from the door areas of any coke oven exceed an opacity of 40% at any time 15 or more minutes after such oven has been charged.	Direct Measurement & Record Review	Y	C	
V.C.1.m	Restrictions	§2105.21.b.1.A, B & C	The permittee shall not operate, or allow to be operated Coke Oven Batteries 13, 14 or 15 in such manner that, at any time, there are visible emissions from more than five percent (5%) of the door areas of the operating coke ovens in such battery, excluding the two door areas of the last oven charged and any door areas obstructed from view.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.C.1.n	Restrictions	§2105.21.c.1	The permittee shall not operate, or allow to be operated Coke Oven Batteries 13, 14 or 15 in such manner that, at any time, there are visible emissions from more than one percent (1%) of the charging ports or charging port seals on the operating coke ovens of such battery.	Direct Measurement & Record Review	Y	C	
V.C.1.o	Restrictions	§2105.21.d.1	The permittee shall not operate, or allow to be operated Coke Oven Batteries 13, 14 or 15 in such manner that, at any time, there are visible emissions from more than four percent (4%) of the offtake piping on the operating coke ovens of such battery.	Direct Measurement & Record Review	Y	C	
V.C.1.p	Restrictions	§2105.21.e.5	The permittee shall not operate, or allow to be operated Coke Oven Batteries 13, 14 or 15 in such manner that visible emissions from the transport of hot coke in the open atmosphere exceed ten percent (10%) opacity at any time.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.C.1.q	Restrictions	§2105.21.f.1	The permittee shall not operate, or allow to be operated, Coke Oven Batteries 13, 14 or 15 in such manner that, at any time, emissions from the combustion stack serving such battery exceed a particulate concentration of 0.015 grains per dry standard cubic foot.	Direct Measurement	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.C.1.r	Restrictions	§2105.21.f.3&4	The permittee shall not operate, or allow to be operated, Coke Oven Batteries 13, 14 or 15 in such manner that, at any time, emissions from the combustion stack serving each battery equal or exceed an opacity of 20% for a period or periods aggregating in excess of three (3) minutes in any 60 minute period; or equal or exceed an opacity of 60% at any time.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.C.1.s	Restrictions	Enforcement Order No. 161, July 23, 1990	The permittee shall install, operate, maintain and calibrate a continuous opacity monitoring system on each combustion stack serving Coke Oven Batteries 13, 14 and 15.	Process Knowledge & Record Review	Y	C	
V.C.1.t	Restrictions	§2103.12.h.6.; §63.7296(a) and (b)	The permittee shall not discharge to the atmosphere any emissions from any battery stack that exhibit an opacity greater than the following applicable limits:	Administrative	Y	C	
V.C.1.t.1	Restrictions		Daily average of 15 percent opacity for a battery on a normal coking cycle.	Direct Measurement & Record Review	Y	C	
V.C.1.t.2	Restrictions		Daily average of 20 percent opacity for a battery on batterywide extended coking.	Direct Measurement & Record Review	Y	C	
V.C.1.u	Restrictions	§2103.12.h.6; §63.7326(d)	The permittee shall submit a notification of compliance status containing the results of the COMS performance test for battery stacks within 30 calendar days following the completion of the compliance demonstration. For each particulate matter emission limitation that applies to you, the permittee shall submit a notification of compliance status containing the results of the performance test within 60 calendar days following completion of the performance test according to §63.10(d).	Record Review	Y	C	
V.C.1.v	Restrictions	§2105.21.f.2; §2105.21.h.4; 2101.11.b & c.	Emissions from each combustion stack for Coke Batteries No. 13, No. 14 or No. 15 shall not exceed the emission limitations in Table V-C-1.	Administrative Requirement	Y	C	
V.C.1.v	Restrictions		**POLLUTANT** **HOURLY LIMIT (lb/hr)** **ANNUAL LIMIT**				
V.C.1.v.1	Restrictions		PM 8.33 36.50		Y	C	
V.C.1.v.1	Restrictions		PM-10 8.33 36.50		Y	C	
V.C.1.v.1	Restrictions		PM 2.5 8.33 36.50		Y	C	
V.C.1.v.1	Restrictions		SO2 33.5 146.5		Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.C.1.v.1	Restrictions		A year is defined as any consecutive 12-month period.				

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.C.2.a	Testing	§2103.12.h.1; §2108.02.e; Second Consent Decree 6/24/93	The permittee shall have PM, PM2.5 and PM10 particulate emissions stack tests performed on each combustion stack of Coke Batteries 13, 14 and 15 at least once every four (4) years to demonstrate compliance with the mass emission standard in Condition V.C.1.q above . Particulate emission tests shall be conducted according to the methodology specified in 40 CFR 60, Appendix A, Methods 1 through 5, 201A and 202 (or other method specified). The permittee shall submit a stack test protocol to the Department for approval at least 45 days prior to the test dates. During each stack test performed, simultaneous visible emission evaluations shall be conducted according to the methodology specified in 40 CFR 60, Appendix A, Method 9, except for the provisions of Section 2.5 of Method 9.	Record Review	Y	C	
V.C.2.b	Testing	§2108.02.b, §2108.02.e.	The permittee shall have sulfur dioxide (SO2) emissions stack tests performed on each combustion stack of Coke Batteries 13, 14 and 15 at least once every two years to demonstrate compliance with the mass emission limitations for each combustion stack in Condition V.C.1.v above. SO2 emission tests shall be conducted according to Method 6, 6A, 6B, or 6C specified in 40 CFR 60, Appendix A. The permittee shall submit a stack test protocol to the Department for approval at least 45 days prior to the test dates.	Record Review	Y	C	
V.C.2.c	Testing	§2103.12.h.1, §2108.02.(b), §2108.02.(e)	The permittee shall perform emissions testing and evaluations for NOx on each combustion stack of Coke Batteries 13, 14 and 15 to develop emission factors that can be applied to quantify NOx emissions. This evaluation shall include stack testing, an analysis of B Battery CEM data, and an evaluation of gas combustion and operating variables that affect NOx. Testing for NOx shall be conducted at least once every two years in accordance with approved EPA Methods in Appendix A of 40 CFR Part 60, Article XXI §2108.02, and as approved by the Department. Reports of stack testing results shall be submitted to the Department within 90 days of the date of the stack test. The evaluation report shall be made available to the Department upon request and at permit renewal.	Record Review	Y	C	
V.C.2.d	Testing	§2103.12.h.1, §2108.02.(b), §2108.02.(e)	The permittee shall perform emissions tests and evaluations for CO and VOC on each combustion stack of Coke Batteries 13, 14 and 15 to develop emission factors that can be applied to quantify CO & VOC emissions. Testing for CO and VOC shall be conducted in accordance with approved EPA Methods in Appendix A of 40 CFR Part 60, Article XXI §2108.02, and as approved by the Department. Reports of the stack testing results shall be submitted to the Department within 90 days of the date of the stack test. The evaluation report shall be made available to the Department upon request and at permit renewal.	Record Review	Y	C	
V.C.2.e	Testing	§2103.12.h.1	The Department reserves the right to require additional emissions testing sufficient to assure compliance with the terms and conditions of this permit. Such testing shall be performed in accordance with Site Level Condition IV.13 above and Article XXI §2108.02.	Administrative Requirement	Y	C	
V.C.3.a	Monitoring		The permittee shall:	Administrative Requirement			
V.C.3.a.1	Monitoring	§2103.12.h.6.; §63.308(a)	Inspect the collecting main for leaks at least once daily according to the procedures in Method 303 in 40 CFR Part 63, Appendix A;	Record Review	Y	C	

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Title V Citation	.gory	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.C.3.a.2	Monitoring	§2103.12.h.6.; §63.308(b)	Record the time and date a leak in the collecting main is first observed, the time and date the leak is temporarily sealed, and the time and date of repair;	Record Review	Y	C	
V.C.3.a.3	Monitoring	§2103.12.h.6.; §2103.12.i; §63.308(c)	Temporarily seal any leak in the collecting main as soon as possible after detection, but no later than 4 hours after detection of the leak; and	Record Review	Y	C	
V.C.3.a.4	Monitoring	§2103.12.h.6.; §63.308(d)	Initiate a collecting main repair as expeditiously as possible, but no later than 5 calendar days after initial detection of the leak. The repair shall be completed within 15 calendar days after initial detection of the leak unless an alternative schedule is approved by the Department.	Record Review	Y	C	
V.C.3.b	Monitoring	§2103.12.h.6.; §63.309(a)	Except as otherwise provided, a daily performance test shall be conducted each day, 7 days per week for each coke oven battery, the results of which shall be used in accordance with procedures in Conditions V.C.3.c below through V.C.3.f below to determine compliance with each of the applicable visible emission limitations for coke oven doors, topside port lids, offtake systems, and charging operations.	Administrative Requirement	Y	C	
V.C.3.b.1	Monitoring		Each performance test is to be conducted according to the procedures and requirements in Method 303 in Appendix A to 40 CFR Part 63 or Methods 9 and 22 in Appendix A to 40 CFR Part 60 (where applicable).	Record Review	Y	C	
V.C.3.b.2	Monitoring		Each performance test is to be conducted by a certified observer.	Record Review	Y	C	
V.C.3.b.3	Monitoring		The certified observer shall complete any reasonable safety training program offered by the permittee prior to conducting any performance test at a coke oven battery.	Record Review	Y	C	
V.C.3.b.4	Monitoring		Except as otherwise provided in §63.309(a)(5), the permittee shall pay an inspection fee to the Department each calendar quarter, as specified in §63.309(a)(4), to defray the costs of the daily performance tests required in Condition V.C.3.b above.	Record Review	Y	C	
V.C.3.b.5	Monitoring		If a facility pushes and charges only at night, then that facility must, at is option, change their schedule and charge during daylight hours or provide adequate lighting so that visible emission inspections can be made at night. "Adequate lighting" shall be determined by the Department.	Record Review	Y	C	
V.C.3.c	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(c)	The certified observer shall conduct each performance test according to the following requirements:	Administrative	Y	C	
V.C.3.c.1	Monitoring		The certified observer shall conduct one run each day to observe and record visible emissions from each coke oven door, topside port lid, and offtake system on each coke oven battery. The certified observer also shall conduct five runs to observe and record the seconds of visible emissions per charge for five consecutive charges from each coke oven battery. The observer may perform additional runs as needed to obtain and record a visible emissions value (or set of values) for an emission point that is valid under Method 303 in Appendix A of 40 CFR Part 63. Observations from fewer than five consecutive charges shall constitute a valid set of charging observations only in accordance with the procedures and conditions specified in Sections 3.8 and 3.9 of Method 303 in Appendix A of 40 CFR 63.	Record Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.C.3.c.2	Monitoring		If a valid visible emissions value (or set of values) is not obtained for a performance test, there is no compliance determination for that day. Compliance determinations will resume on the next day that a valid visible emissions value (or set of values) is obtained.	Record Review	Y	C	
V.C.3.c.3	Monitoring		After each performance test, the certified observer shall check and record the collecting main pressure according to the procedures in Section 6.3 of Method 303 in Appendix A of 40 CFR Part 63.	Record Review	Y	C	
V.C.3.c.3.a	Monitoring		The permittee shall demonstrate pursuant to Method 303 in Appendix A of 40 CFR 63 the accuracy of the pressure measurement device upon request of the certified observer;	Record Review	Y	C	
V.C.3.c.3.b	Monitoring		The permittee shall not adjust the pressure to a level below the range of normal operation during or prior to the inspection;	Record Review	Y	C	
V.C.3.c.4	Monitoring		In no case shall the permittee knowingly block a coke oven door, or any portion of a door for the purpose of concealing emissions or preventing observations by the certified observer.	Record Review	Y	C	
V.C.3.d	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(d)	Using the observations obtained from each performance test, the Department shall compute and record, in accordance with the procedures and requirements of Method 303 in Appendix A of 40 CFR Part 63, for each day of operations on which a valid emissions value (or set of values) is obtained:	Administrative Requirement	Y	C	
V.C.3.d.1	Monitoring		The 30-run rolling average of the percent leaking coke oven doors, topside port lids, and offtake systems on each coke oven battery, using the equations in sections 4.5.3.2, 5.6.5.2, and 5.6.6.2 of Method 303 in Appendix A of 40 CFR 63;	Record Review	Y	C	
V.C.3.d.2	Monitoring		For by-product coke oven battery charging operations, the logarithmic 30-day rolling average of the seconds of visible emissions per charge for each battery, using the equation in section 3.9 of Method 303 in Appendix A of 40 CFR 63;	Record Review	Y	C	
V.C.3.e	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(e)	The certified observer shall make available to the Department as well as to the permittee, a copy of the daily inspection results by the end of the day and shall make available the calculated rolling average for each emission point to the permittee as soon as practicable following each performance test. The information provided by the certified observer is not a compliance determination. For the purpose of notifying the permittee of the results obtained by a certified observer, the person does not have to be certified.	Record Review	Y	C	
V.C.3.f	Monitoring	§2103.12.h.6.; §63.309(f)	Compliance shall not be determined more often than the schedule provided for performance tests in Condition V.C.3.b above. If additional valid emissions observations are obtained (or in the case of charging, valid sets of emission observations), the arithmetic average of all valid values (or valid sets of values) obtained during the day shall not be used in any computations performed to determine compliance under Condition V.C.3.d above or determinations under Condition IV.27 above.	Administrative Requirement	Y	C	
V.C.3.g	Monitoring	§2103.12.h.6.; §63.309(h)	For a flare installed to meet the requirements of Conditions V.C.1.d above and V.C.1.e above:	Administrative Requirement	Y	C	
V.C.3.g.1	Monitoring		Compliance with the provisions in Condition V.C.1.h above (visible emissions from flares) shall be determined using Method 22 in Appendix A to 40 CFR Part 60, with an observation period of 2 hours; and	Direct Measurement and Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.C.3.g.2	Monitoring		Compliance with the provisions in Condition V.C.1.e above (flare pilot light) shall be determined using a thermocouple or any other equivalent device.	Process Knowledge & Physical Inspection	Y	C	
V.C.3.h	Monitoring	§2103.12.h.6; §63.309(i)	No observations obtained during any program for training or for certifying observers under 40 CFR 63, Subpart L shall be used to determine compliance with the requirements of Subpart L or any other federally enforceable standard.	Administrative Requirement	Y	C	
V.C.3.i	Monitoring	§2103.12.h.6.; §63.7300(b)	The permittee shall prepare and operate at all times according to a written operation and maintenance plan for the general operation and maintenance of all coke oven batteries. Each plan must address, at a minimum, the following elements:	Record Review	Y	C	
V.C.3.i.1	Monitoring		Frequency and method of recording underfiring gas parameters.	Record Review	Y	C	
V.C.3.i.2	Monitoring		Frequency and method of recording battery operating temperature, including measurement of individual flue and cross-wall temperatures.	Record Review	Y	C	
V.C.3.i.3	Monitoring		Procedures to prevent pushing an oven before it is fully coked.	Record Review	Y	C	
V.C.3.i.4	Monitoring		Procedures to prevent overcharging and undercharging of ovens, including measurement of coal moisture, coal bulk density, and procedures for determining volume of coal charged.	Record Review	Y	C	
V.C.3.i.5	Monitoring		Frequency and procedures for inspecting flues, burners, and nozzles.	Record Review	Y	C	
V.C.3.6	Monitoring		Schedule and procedures for the daily washing of baffles	Record Review	Y	C	
V.C.3.j	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7330(e)	The permittee shall monitor at all times the opacity of emissions exiting each coke oven battery stack using a COMS according to the requirements in §63.7331(j).	Process Knowledge, Physical Inspection and Record Review	Y	C	
V.C.3.k	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7331(c)	The permittee shall conduct a performance evaluation of each CPMS in accordance with the site-specific monitoring plan .	Record Review	Y	C	
V.C.3.l	Monitoring	§2103.12.h.6.; §63.7331(d)	The permittee shall operate and maintain each CPMS in continuous operation according to the site-specific monitoring plan.	Process Knowledge	Y	C	
V.C.3.m	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7331(j)	For coke oven battery, the permittee shall install, operate, and maintain a COMS to measure and record the opacity of emissions exiting each stack according to the requirements in Conditions V.C.3.m.1) through V.C.3.m.5) below:	Administrative Requirement	Y	C	
V.C.3.m.1	Monitoring		Install, operate, and maintain each COMS according to the requirements in §63.8(e) and Performance Specification 1 in 40 CFR Part 60, Appendix B. Identify periods when the COMS is out-of-control, including any periods that the COMS fails to pass a daily calibration drift assessment, quarterly performance audit, or annual zero alignment audit.	Physical Inspection & Record Review	Y	C	
V.C.3.m.2	Monitoring		Conduct a performance evaluation of each COMS according to the requirements in §63.8 and Performance Specification 1 in Appendix B to 40 CFR Part 60:	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.C.3.m.3	Monitoring		Develop and implement a quality control program for operating and maintaining each COMS according to the requirements in §63.8(d). At minimum, the quality control program must include a daily calibration drift assessment, quarterly performance audit, and an annual zero alignment audit of each COMS;	Record Review	Y	C	
V.C.3.m.4	Monitoring		Each COMS must complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period. You must reduce the COMS data as specified in §63.8(g)(2);	Record Review	Y	C	
V.C.3.m.5	Monitoring		Determine and record the hourly and daily (24-hour) average opacity according to the procedures in V.C.2.c above using all the 6-minute averages collected for periods during which the COMS is not out-of-control.	Record Review	Y	C	
V.C.3.n	Monitoring	§2103.12.h.6.; §63.7332(a)	Except for monitor malfunctions, associated repairs, and required quality assurance or control activities (including as applicable, calibration checks and required zero and span adjustments), the permittee shall monitor continuously (or collect data at all required intervals) at all times the affected source is operating.	Process Knowledge & Record Review	Y	C	
V.C.3.o	Monitoring	§2103.12.h.6.; §63.7332(b)	The permittee shall not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels, or in fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing compliance. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitor to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.	Record Review	Y	C	
V.C.3.p	Monitoring	§2103.12.h.6.; §63.7333(e)	The permittee shall demonstrate continuous compliance for each by-product coke oven battery subject to the opacity limit for stacks in Condition V.C.1.t. above by meeting the requirements in Conditions V.C.3.p.1) and V.C.3.p.2) below:	Administrative Requirement	Y	C	
V.C.3.p.1	Monitoring		Maintaining the daily average opacity at or below 15 percent for a battery on a normal coking cycle or 20 percent for a battery on batterywide extended coking; and	Record Review	Y	C	
V.C.3.p.2	Monitoring		Operating and maintaining a COMS and collecting and reducing the COMS data according to Condition V.C.3.m above	Record Review	Y	C	
V.C.4.a	Record Keeping	§2103.12.h.6; §63.311(f); §2103.12.j	The permittee shall maintain files of all required information in a permanent form suitable for inspection at an onsite location for at least 1 year and must thereafter be accessible within 3 working days to the Department for a period of five years. Copies of the work practice plan developed under Condition IV.27 above and the startup, shutdown, and malfunction plan developed under V.C.6.c below shall be kept onsite at all times. The permittee shall maintain the following information:	Administrative Requirement	Y	C	
V.C.4.a.1	Record Keeping		A copy of the work practice plan required by Condition IV.27 above and any revision to the plan;	Record Review	Y	C	
V.C.4.a.2	Record Keeping		If the permittee is required under Condition IV.27.c to implement the provisions of a work practice plan for a particular emission point, the following records regarding the implementation of plan requirements for that emission point during the implementation period:	Administrative Requirement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.C.4.a.2.a	Record Keeping		Copies of all written and audiovisual materials used in the training, the dates of each class, the names of the participants in each class, and documentation that all appropriate personnel have successfully completed the training required under Condition IV.27.b.1) above;	Record Review	Y	C	
V.C.4.a.2.b	Record Keeping		The records required to be maintained by the plan provisions implementing Condition IV.27.b.6) above;	Record Review	Y	C	
V.C.4.a.2.c	Record Keeping		Records resulting from audits of the effectiveness of the work practice program for the particular emission point, as required under Conditions IV.27.b.2)a), IV.27.b.3)a), IV.27.b.4)a) or IV.27.b.5)a) above; and	Record Review	Y	C	
V.C.4.a.2.d	Record Keeping		If the plan provisions for coke oven doors must be implemented, records of the inventory of doors and jambs as required under Condition IV.27.b.2)f) above; and	Record Review	Y	C	
V.C.4.a.3	Record Keeping		The design drawings and engineering specifications for the bypass/bleeder stack flare system or approved alternative control device or system as required under Conditions V.C.1.C through V.C.1.d above.	Record Review	Y	C	
V.C.4.a.4	Record Keeping		Records specified in Condition V.C.6.g below regarding the basis of each malfunction notification.	Record Review	Y	C	
V.C.4.b	Record Keeping	§2103.12.j.; §63.7342(a)	The permittee shall keep the following records:	Administrative Requirement	Y	C	
V.C.4.b.1	Record Keeping		A copy of each notification and report that was submitted to comply with this subpart, including all documentation supporting any initial notification or notification of compliance status that you submitted, according to the requirements in §63.10(b)(2)(xiv).	Record Review	Y	C	
V.C.4.b.2	Record Keeping		The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.	Record Review	Y	C	
V.C.4.b.3	Record Keeping		Records of performance tests, performance evaluations, and opacity observations as required in §63.10(b)(2)(viii).	Record Review	Y	C	
V.C.4.c	Record Keeping	§2103.12.h.6.; §63.7342(b)	For each COMS or CEMS, the permittee shall keep the following records.	Administrative Requirement	Y	C	
V.C.4.c.1	Record Keeping		Records described in §63.10(b)(2)(vi) through (xi).	Record Review	Y	C	
V.C.4.c.2	Record Keeping		Monitoring data for COMS during a performance evaluation as required in §63.6(h)(7)(i) and (ii).	Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.C.4.c.3	Record Keeping		Previous (that is, superceded) versions of the performance evaluation plan as required in §63.8(d)(3).	Record Review	Y	C	
V.C.4.c.4	Record Keeping		Records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Record Review	Y	C	
V.C.4.d	Record Keeping	[§2103.12.j.; §63.7342©	The permittee shall keep the records in §63.6(h)(6) for visual observations.	Administrative Requirement	Y	C	
V.C.4.e	Record Keeping	§2103.12.h.6.; §63.7343(b)	As specified in §63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.	Record Review	Y	C	
V.C.4.f	Record Keeping	§2103.12.h.6; §63.7343©	The permittee shall keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records offsite for the remaining 3 years.	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.C.4.g	Record Keeping	§63.7335(a)	The permittee must demonstrate continuous compliance with the operation and maintenance plans required in V.C.3.i above by adhering at all times to the plan requirements and recording all information needed to document conformance.	Record Review	Y	C	
V.C.4.h	Record Keeping	§2103.12.j.; §63.7335(d)	The permittee shall maintain a current copy of the operation and maintenance plans required in in V.C.3.i or §63.7300(b) onsite and available for inspection upon request. The plans shall be kept for the life of the affected source or until the affected source is no longer subject to the requirements of 40 CFR Part 63, Subpart CCCCC.	Record Review	Y	C	
V.C.4.i	Record Keeping	§2103.12.h.6.; §63.7334(d)	The permittee must demonstrate continuous compliance to the work practice standard for soaking in V.C.6.k by maintaining records that document conformance with requirements in V.C.6.k.1) through V.C.6.k.5).	Record Review	Y	C	
V.C.5.a	Reporting	§2103.12.h.6; §2103.12.k; §2109.03 and Enforcement Order 202. E, 3/28/90	No later than twenty (20) days after the end of each month, a written report of a summary of the following during each such month shall be submitted to the Department:	Administrative Requirement	Y	C	
V.C.5.a.1	Reporting		For all coke batteries combined, the daily average for the month of:	Administrative Requirement	Y	C	
V.C.5.a.1.a	Reporting		Coal charged, in tons;	Record Review	Y	C	
V.C.5.a.1.b	Reporting		Coke produced, in tons;	Record Review	Y	C	
V.C.5.a.1.c	Reporting		Total coke oven gas produced; in MMCF;	Record Review	Y	C	
V.C.5.a.1.d	Reporting		Quench water used, in gallons;	Record Review	Y	C	
V.C.5.a.1.e	Reporting		Elemental sulfur produced, in tons;	Record Review	Y	C	
V.C.5.a.1.f	Reporting		Sulfur content of coal, in percent; and	Record Review	Y	C	
V.C.5.a.1.g	Reporting		Sulfur content of coke, in percent.	Record Review	Y	C	
V.C.5.a.2	Reporting		For all periods during which contaminated quench water was used:	Administrative Requirement	Y	C	
V.C.5.a.2.a	Reporting		The batteries affected;	Record Review	Y	C	
V.C.5.a.2.b	Reporting		The starting and ending dates and times;	Record Review	Y	C	
V.C.5.a.2.c	Reporting		The total time of each period, and total for the month, to the nearest tenth of an hour;	Record Review	Y	C	
V.C.5.a.2.d	Reporting		The corresponding Department Breakdown Number;	Record Review	Y	C	
V.C.5.a.2.e	Reporting		The average flow rates of contaminated water to both the quench towers and the water treatment plant during the period, each in gallons per minute; and	Record Review	Y	C	
V.C.5.a.2.f	Reporting		The reason(s) or cause(s) for each period.	Record Review	Y	C	

Title V Citation	C... ...ory	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.C.5.b	Reporting	Enforcement Order No. 161, July 23, 1990	No later than twenty (20) days after the end of each month, a written report of a summary of the following for each combustion stack continuous opacity monitoring system during each such month shall be submitted to the Department:	Administrative Requirement	Y	C	
V.C.5.b.1	Reporting		The monthly average percent availability (on-line time), based on total minutes of coke operations and total minutes available;	Record Review	Y	C	
V.C.5.b.2	Reporting		The daily percentage available;	Record Review	Y	C	
V.C.5.b.3	Reporting		The number of days on which there was less than 100% availability;	Record Review	Y	C	
V.C.5.b.4	Reporting		For each of the coke oven combustion stack visible emission standards set forth in §2105.21.f.3. & f.4. , the total number of hours for the month, and the number of hours each day, during which an exceedance of such standard was measured by such continuous opacity monitor;	Record Review	Y	C	
V.C.5.b.5	Reporting		The number and nature of tests, calibrations, and any other quality assurance activities performed; and	Record Review	Y	C	
V.C.5.b.6	Reporting		The dates, times and results of all such activities.	Record Review	Y	C	
V.C.5.c	Reporting	§2103.12.k.; §63.311(d)	The permittee shall include the following information in the semiannual compliance certification:	Administrative Requirement	Y	C	
V.C.5.c.1	Reporting		Certification, signed by the permittee, that no coke oven gas was vented, except through the bypass/bleeder stack flare system during the reporting period or that a venting report has been submitted according to the requirements in V.C.5.d below.	Record Review	Y	C	
V.C.5.c.2	Reporting		Certification, signed by the permittee, that a startup, shutdown, or malfunction event did not occur for a coke oven battery during the reporting period or that a startup, shutdown, and malfunction event did occur and a report was submitted according to the requirements in V.C.6.f below; and	Record Review	Y	C	
V.C.5.c.3	Reporting		Certification, signed by the permittee, that work practices were implemented if applicable under Condition IV.27 above.	Record Review	Y	C	
V.C.5.d	Reporting	§2103.12.h.6.; §63.311(e)	The permittee shall report any venting of coke oven gas through a bypass/bleeder stack that was not vented through the bypass/bleeder stack flare system to the Department as soon as practicable but no later than 24 hours after the beginning of the event. A written report shall be submitted within 30 days of the event and shall include a description of the event and, if applicable, a copy of the notification for a hazardous substance release required pursuant to 40 CFR 302.6.	Record Review	Y	C	
V.C.5.e	Reporting	§2103.12.h.6.; §63.310(d)	In order for the provisions of §63.310(i) to apply with respect to the observation (or set of observations) for a particular day, notification of a startup, shutdown, or a malfunction shall be made by the permittee as follows:	Administrative Requirement	Y	C	
V.C.5.e.1	Reporting		If practicable, to the certified observer if the observer is at the facility during the occurrence; or	Record Review	Y	C	
V.C.5.e.2	Reporting		To the Department, in writing, within 24 hours of the occurrence first being documented by a company employee, and if the notification was not made, an explanation of why no such notification was made.	Record Review	Y	C	
V.C.5.f	Reporting	§2103.12.k.; §63.310(e)	Within 14 days of the notification startup, shutdown, or a malfunction, the permittee shall submit a written report to the Department that:	Administrative Requirement	Y	C	
V.C.5.f.1	Reporting		Describes the time and circumstances of the startup, shutdown, or malfunction; and	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.C.5.f.2	Reporting		Describes actions taken that might be considered inconsistent with the startup, shutdown, or malfunction plan.	Record Review	Y	C	
V.C.5.g	Reporting	Consent Order and Agreement (COA) Third Amendment, July 6, 2011 V.a.1	The permittee shall submit a written quarterly report within thirty (30) days after the close of each calendar quarter to the Department. The quarterly reports shall contain, at minimum the list of every clock hour in the calendar quarter that compliance is not achieved for Article XXI opacity limits applicable to Batteries 13-15 combustion stacks as measured by the combustion stacks continuous opacity monitor (COM). U.S. Steel shall indicate the date, time, root cause, and ovens that are believed to have contributed to the exceedance.	Record Review	Y	C	
V.C.5.h	Reporting	Consent Order and Agreement (COA) Third Amendment, July 6, 2011, Condition V.a.8	The permittee shall submit to the Department a Semi-Annual Deviation Report for all deviations from Article XXI §2105.21(e)(4) and (e)(5) for Batteries 13-15.	Record Review	Y	C	
V.C.5.i	Reporting	§2103.12.h.6.; §63.7336(a)	The permittee shall report each instance in which you did not meet each emission limitation in 40 CFR Part 63, Subpart CCCCC that applies to you. This includes periods of startup, shutdown, and malfunction. The permittee shall also report each instance in which you did not meet each work practice standard or operation and maintenance requirement in this 40 CFR Part 63, Subpart CCCCC that applies to you. These instances are deviations from the emission limitations (including operating limits), work practice standards, and operation and maintenance requirements in this 40 CFR Part 63, Subpart CCCCC. These deviations must be reported according to the requirements in V.C.5.m through V.C.5.q below.	Record Review	Y	C	
V.C.5.j	Reporting	§2103.12.h.6.; §63.7336(b)	During periods of startup, shutdown, and malfunction, you must operate in accordance with your startup, shutdown, and malfunction plan.	Record Review	Y	C	
V.C.5.j.1	Reporting		Consistent with §63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if you demonstrate to the Department's satisfaction that you were operating in accordance with the startup, shutdown, and malfunction plan.	Record Review	Y	C	
V.C.5.j.2	Reporting		The Department will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in §63.6(e).	Administrative Requirement	Y	C	
V.C.5.k	Reporting	§2103.12.h.6.; §63.7340(a)	The permittee shall submit all of the notifications in §63.6(h)(4) and (5), 63.7(b) and (c), 63.8(e) and (f)(4), and 63.9(b) through (h) that apply to you by the specified dates.	Record Review	Y	C	
V.C.5.l	Reporting	§2103.12.h.6; §63.7340(d)	If you are required to conduct a performance test, the permittee shall submit a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin as required in §63.7(b)(1).	Record Review	Y	C	
V.C.5.m	Reporting	§2103.12.h.6.; §63.7341(a)	Unless the Department has approved a different schedule, you must submit quarterly compliance reports for battery stacks and semiannual compliance reports for all other affected sources according to the requirements in V.C.5.m.1) through V.C.5.m.2) below:	Record Review	Y	C	
V.C.5.m.1	Reporting		Each quarterly compliance report for battery stacks shall be submitted in accordance with General Condition III.15.e above.	Record Review	Y	C	

Title V Citation	gory	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.C.5.m.2	Reporting		All quarterly compliance reports for battery stacks must be postmarked or delivered no later than one calendar month following the end of the quarterly reporting period.	Record Review	Y	C	
V.C.5.n	Reporting	§2103.12.h.6; §63.7341(b)	Each quarterly compliance report must provide information on compliance with the emission limitations for battery stacks in V.C.1.t above. The reports must include the information in Conditions V.C.5.o.1) through V.C.5.o.3) below, and as applicable, Conditions V.C.5.o.4) through V.C.5.o.8) below.	Record Review	Y	C	
V.C.5.o	Reporting	§2103.12.h.6; §63.7341(c)	Each semiannual compliance report must provide information on compliance with the emission limitations, work practice standards, and operation and maintenance requirements for all affected sources except battery stacks. The reports must include the information V.C.5.o.1) through V.C.5.o.3), and as applicable, Conditions V.C.5.o.4) through V.C.5.o.8) below.	Record Review	Y	C	
V.C.5.o.1	Reporting		Company name and address.	Record Review	Y	C	
V.C.5.o.2	Reporting		Statement by a responsible official, with the official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.	Record Review	Y	C	
V.C.5.o.3	Reporting		Date of report and beginning and ending dates of the reporting period.	Record Review	Y	C	
V.C.5.o.4	Reporting		If you had a startup, shutdown, or malfunction during the reporting period and you took actions consistent with your startup, shutdown, and malfunction plan, the compliance report must include the information in §63.10(d)(5)(i).	Record Review	Y	C	
V.C.5.o.5	Reporting		If there were no deviations from the continuous compliance requirements in V.C.3.p for battery stacks, a statement that there were no deviations from the emission limitations during the reporting period.	Record Review	Y	C	
V.C.5.o.6	Reporting		If there were no periods during which a continuous monitoring system (including COMS, continuous emission monitoring system (CEMS), or CPMS) was out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which a continuous monitoring system was out-of-control during the reporting period.	Record Review	Y	C	
V.C.5.o.7	Reporting		For each deviation from an emission limitation in 40 CFR 63, Subpart CCCCC and for each deviation from the requirements for work practice standards in this 40 CFR Part 63, Subpart CCCCC that occurs at an affected source where you are not using a continuous monitoring system (including a COMS, CEMS, or CPMS) to comply with the emission limitations in this subpart, the compliance report must contain the information in Conditions V.C.5.o.4), V.C.5.o.7)a) and V.C.5.o.7)b) below. This includes periods of startup, shutdown, and malfunction.	Record Review	Y	C	
V.C.5.o.7.a	Reporting		The total operating time of each affected source during the reporting period.	Record Review	Y	C	
V.C.5.o.7.b	Reporting		Information on the number, duration, and cause of deviations (including unknown cause, if applicable) as applicable and the corrective action taken.	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.C.5.o.8	Reporting		For each deviation from an emission limitation occurring at an affected source where you are using a continuous monitoring system (including COMS, CEMS, or CPMS) to comply with the emission limitation 40 CFR 63, Subpart CCCCC, you must include the information in Conditions V.C.5.o.4), V.C.5.o.8)a) through V.C.5.o.8)l) below. This includes periods of startup, shutdown, and malfunction.	Record Review	Y	C	
V.C.5.o.8.a	Reporting		The date and time that each malfunction started and stopped.	Record Review	Y	C	
V.C.5.o.8.b	Reporting		The date and time that each continuous monitoring system (including COMS, CEMS, or CPMS) was inoperative, except for zero (low-level) and high-level checks.	Record Review	Y	C	
V.C.5.o.8.c	Reporting		The date, time, and duration that each continuous monitoring system (including COMS, CEMS, or CPMS) was out-of-control, including the information in §63.8(c)(8).	Record Review	Y	C	
V.C.5.o.8.d	Reporting		The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Record Review	Y	C	
V.C.5.o.8.e	Reporting		A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.	Record Review	Y	C	
V.C.5.o.8.f	Reporting		A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.	Record Review	Y	C	
V.C.5.o.8.g	Reporting		A summary of the total duration of continuous monitoring system downtime during the reporting period and the total duration of continuous monitoring system downtime as a percent of the total source operating time during the reporting period.	Record Review	Y	C	
V.C.5.o.8.h	Reporting		An identification of each HAP that was monitored at the affected source.	Record Review	Y	C	
V.C.5.o.8.i	Reporting		A brief description of the process units.	Record Review	Y	C	
V.C.5.o.8.j	Reporting		A brief description of the continuous monitoring system.	Record Review	Y	C	
V.C.5.o.8.k	Reporting		The date of the latest continuous monitoring system certification or audit.	Record Review	Y	C	
V.C.5.o.8.l	Reporting		A description of any changes in continuous monitoring systems, processes, or controls since the last reporting period.	Record Review	Y	C	
V.C.5.p	Reporting	§2103.12.k; §63.7341(d)	If the permittee had a startup, shutdown, or malfunction during the semiannual reporting period that was not consistent with your startup, shutdown, and malfunction plan, you must submit an immediate startup, shutdown, and malfunction report according to the requirements in §63.10(d)(5)(ii).	Record Review	Y	C	

Title V Citation	C... ...ory	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.C.5.q	Reporting	§2103.12.k; §63.7341(e)	If the permittee submits a compliance report for an affected source along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A), and the compliance report includes all the required information concerning deviations from any emission limitation or work practice standard in 40 CFR Part 63, Subpart CCCCC, submission of the compliance report satisfies any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report does not otherwise affect any obligation you may have to report deviations from permit requirements to the Department.	Record Review	Y	C	
V.C.6.a	Work Practice Standards		Coke Oven Batteries 13, 14 and 15 shall be properly maintained and operated at all times according to good engineering and air pollution control practices . [RACT Plan 234]	Engineering Judgement & Record Review	Y	C	
V.C.6.b	Work Practice Standards		The permittee shall comply with the provisions of applicable workpractice requirements in Site level Condition IV.27 IV.27.c above. [§2103.12.h.6.; §63.306(a)]	Record Review	Y	C	
V.C.6.c	Work Practice Standards		The permittee shall develop and implement according to Condition V.C.6.d below, a written startup, shutdown, and malfunction plan that describes procedures for operating the battery, including associated air pollution control equipment, during a period of a startup, shutdown, or malfunction in a manner consistent with good air pollution control practices for minimizing emissions, and procedures for correcting malfunctioning process and air pollution control equipment as quickly as practicable. All the provisions of Site Level Condition IV.8 above remain applicable and are not supereceded by operating in accordance with the startup, shutdown, and malfunction plan. [§2103.12.h.6.; §63.310(b)]	Record Review	Y	C	
V.C.6.d	Work Practice Standards		During a period of startup, shutdown, or malfunction the permittee shall: [§2103.12.h.6.; §63.310(c)]	Administrative Requirement	Y	C	
V.C.6.d.1	Work Practice Standards		Operate the battery (including associated air pollution control equipment) in accordance with the procedure specified in the startup, shutdown, and malfunction plan; and	Record Review	Y	C	
V.C.6.d.2	Work Practice Standards		Correct malfunctions as soon as practicable after their occurrence, in accordance with the plan.	Record Review	Y	C	
V.C.6.e	Work Practice Standards		In order for the provisions of Condition V.C.6.j below to apply with respect to the observation (or set of observations) for a particular day, notification of a startup, shutdown, or a malfunction shall be made by the permittee: [§2103.12.h.6.; §63.310(d)]	Administrative Requirement	Y	C	
V.C.6.e.1	Work Practice Standards		If practicable, to the certified observer if the observer is at the facility during the occurrence; or		Y	C	
V.C.6.e.2	Work Practice Standards		To the Department, in writing, within 24 hours of the occurrence first being documented by a company employee, and if the notification under Condition V.C.6.e.1) above was not made, an explanation of why no such notification was made.	Record Review	Y	C	
V.C.6.f	Work Practice Standards		Within 14 days of the notification made under Condition V.C.6.e above, or after a startup or shutdown, the permittee shall submit a written report to the Department that: [§2103.12.h.6.; §63.310(e)]	Administrative Requirement	Y	C	
V.C.6.f.1	Work Practice Standards		Describes the time and circumstances of the startup, shutdown, or malfunction; and	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.C.6.f.2	Work Practice Standards		Describes actions taken that might be considered inconsistent with the startup, shutdown, or malfunction plan.	Record Review	Y	C	
V.C.6.g	Work Practice Standards		The permittee shall maintain a record of internal reports which form the basis of each malfunction notification under Condition V.C.6.e above. [§2103.12.h.6.; §63.310(f)]	Record Review	Y	C	
V.C.6.h	Work Practice Standards		To satisfy the requirements of §63.310 to develop a startup, shutdown, and malfunction plan, the permittee may use the standard operating procedures manual for the battery, provided the manual meets all the requirements §63.310 and is made available for inspection at reasonable times when requested by the Department. [§2103.12.h.6; §63.310(g)]	Record Review	Y	C	
V.C.6.i	Work Practice Standards		The Department may require reasonable revisions to a startup, shutdown, and malfunction plan, if the Department finds that the plan: [§2103.12.h.6.; §63.310(h)]	Administrative Requirement	Y	C	
V.C.6.i.1	Work Practice Standards		Does not address a startup, shutdown, or malfunction event that has occurred;	Record Review	Y	C	
V.C.6.i.2	Work Practice Standards		Fails to provide for the operation of the source (including associated air pollution control equipment) during a startup, shutdown, or malfunction event in a manner consistent with good air pollution control practices for minimizing emissions; or	Record Review	Y	C	
V.C.6.i.3	Work Practice Standards		Does not provide adequate procedures for correcting malfunctioning process and/or air pollution control equipment as quickly as practicable.	Record Review	Y	C	
V.C.6.j	Work Practice Standards		If the permittee demonstrates to the satisfaction of the Department that a startup, shutdown, or malfunction has occurred, then an observation occurring during such startup, shutdown, or malfunction shall not: [§2103.12.h.6; §63.310(i)]	Administrative Requirement	Y	C	
V.C.6.j.1	Work Practice Standards		Constitute a violation of relevant requirements of 40 CFR 63, Subpart L;	Record Review	Y	C	
V.C.6.j.2	Work Practice Standards		Be used in any compliance determination under§63.309; or	Record Review	Y	C	
V.C.6.j.3	Work Practice Standards		Be considered for purposes of Condition IV.27 above, until the Department has resolved the claim that a startup, shutdown, or malfunction has occurred. If the Department determines that a startup, shutdown, or malfunction has not occurred, such observations may be used for purposes of Conditions IV.27 above, regardless of whether the permittee further contests such determination. The permittee's receipt of written notification from the Department that a startup, shutdown, or malfunction has not occurred will serve, where applicable under Conditions IV.27 above, as written notification from the certified observer that an exceedance has occurred.	Record Review	Y	C	
V.C.6.k	Work Practice Standards		The permittee shall prepare and operate at all times according to a written work practice plan for soaking. Each plan must include measures and procedures to: [§2103.12.h.6; §63.7294(a)]	Record Review	Y	C	
V.C.6.k.1	Work Practice Standards		Train topside workers to identify soaking emissions that require corrective actions.	Record Review	Y	C	
V.C.6.k.2	Work Practice Standards		Damper the oven off the collecting main prior to opening the standpipe cap.	Record Review			
V.C.6.k.3	Work Practice Standards		Determine the cause of soaking emissions that do not ignite automatically, including emissions that result from raw coke oven gas leaking from the collecting main through the damper, and emissions that result from incomplete coking.	Record Review			

Title V Citation	gory	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.C.6.k.4	Work Practice Standards		If soaking emissions are caused by leaks from the collecting main, take corrective actions to eliminate the soaking emissions. Corrective actions may include, but are not limited to, resealing the damper, cleaning the flushing liquor piping, using aspiration, putting the oven back on the collecting main, or igniting the emissions.	Record Review			
V.C.6.k.5	Work Practice Standards		If soaking emissions are not caused by leaks from the collecting main, notify a designated responsible party. The responsible party must determine whether the soaking emissions are due to incomplete coking. If incomplete coking is the cause of the soaking emissions, you must put the oven back on the collecting main until it is completely coked or you must ignite the emissions.	Record Review			
V.C.6.l	Work Practice Standards		As provided in §63.6(g), the permittee may request to use an alternative to the work practice standard for soaking in Condition V.C.6.k above. [§2103.12.h.6; §63.7294(b)]	Record Review			
V.C.6.m	Work Practice Standards		The permittee shall be in compliance with the emission limitations, work practice standards, and operation and maintenance requirements of 40 CFR 63, Subpart CCCCC at all times, except during periods of startup, shutdown, and malfunction as defined in §63.2. [§2103.12.h.6; §63.7310(a)]	Record Review			
V.C.7	Work Practice Standards		The definitions in 40 CFR 63.7352 are hereby incorporated into this permit by reference.	Administrative Requirement			

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.C.1.a	Restrictions	§2103.12.h.6; §63.307(a)(1)	The permittee shall install, operate and maintain a bypass/bleeder stack flare system in each battery that is capable of controlling 120 percent of the normal gas flow generated by each battery, which shall thereafter be operated and maintained. [§2103.12.h.6; §63.307(a)(1)]	Process Knowledge & Physical Inspection	Y	C	This requirement can be satisfied by process knowledge, engineering judgement and/or physical inspection.
V.C.1.b	Restrictions	[§2103.12.h.6.; §63.307(a)(2)	Coke oven emissions shall not be vented to the atmosphere through bypass/bleeder stacks, except through the flare system. [§2103.12.h.6.; §63.307(a)(2)]	Process Knowledge & Physical Inspection	Y	C	This requirement can be satisfied by process knowledge, engineering judgement and/or physical inspection.
V.C.1.c	Restrictions	§2103.12.h.6; §63.307(d)	As an alternative to the installation, operation, and maintenance of a flare system as required in Conditions V.A.1.a above and V.A.1.b above, the owner or operator may petition the Administrator and the Department for approval of an alternative control device or system that achieves at least 98 percent destruction or control of coke oven emissions vented to the alternative control device or system. [§2103.12.h.6; §63.307(d)]	Administrative Requirement	Y	C	
V.C.1.d	Restrictions	§2103.12.h.6; §63.307(b)(1)	The emergency bypass/bleeder stack flare system for each battery shall be designed for a net heating value of 240 Btu per standard cubic feet (Btu/scf).	Engineering Judgement	Y	C	
V.C.1.e	Restrictions	§2103.12.h.6.; §63.307(b)(2); §63.307(b)(4) and §63.309)(h)(2)	Each flare shall have a continuously operable pilot flame that is present at all times as determined by a thermocouple or any other equivalent device.	Process Knowledge & Physical Inspection	Y	C	
V.C.1.f	Restrictions	§2103.12.h.6; §63.310(a)	At all times including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain the coke oven batteries and the pollution control equipment required under 40 CFR Part 63, Subpart L, in a manner consistent with good air pollution control practices for minimizing emissions to the levels required by any applicable performance standards under Subpart L. Failure to adhere to these requirements shall not constitute a separate violation if a violation of an applicable performance or work practice standard has also occurred.	Record Review	Y	C	
V.C.1.g	Restrictions	§2105.21.h.4	The permittee shall not operate, or allow to be operated, any source in such manner that unburned coke oven gas is emitted into the open air. In addition, the permittee shall not flare, mix, or combust coke oven gas, or allow such gas to be flared, mixed or combusted unless the concentration of sulfur compounds, measured as hydrogen sulfide, in such gas is less than or equal to 40 grains per hundred dry standard cubic feet of coke oven gas produced by Clairton Works, when all sulfur emissions from the Claus Sulfur Recovery Plant and the tail gas cleaning equipment thereon, expressed as equivalent H2S are added to the measured H2S. The concentration of sulfur compounds specified shall include the tail-gas sulfur, measured as hydrogen sulfide, emitted from sulfur removal equipment.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.C.1.h	Restrictions	§2103.12.h.6.; §63.307(c) and §63.309(h)(1)	Each flare installed to meet the requirements of Conditions V.C.1.a through V.C.1.e above shall be operated with no visible emissions, as determined by Method 22 in Appendix A of 40 CFR Part 60, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours with an observation period of 2 hours.	Direct Measurement & Record Review	Y	C	

Title V Citation	Ca y	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.C.1.i	Restrictions	§2103.12.h.6.; §63.304(b)(2)	The permittee shall not cause to be discharged or allow to be discharged to the atmosphere coke oven emissions that exceed any of the following emission limitations:	Administrative	Y	C	
V.C.1.i.1	Restrictions		3.3 percent leaking coke oven doors as determined by the procedures in Condition V.C.3.d.1) below;	Direct Measurement & Record Review	Y	C	
V.C.1.i.2	Restrictions		0.4 percent leaking topside port lids, as determined by the procedures in Condition V.C.3.d.1) below;	Direct Measurement & Record Review	Y	C	
V.C.1.i.3	Restrictions		2.5 percent leaking offtake system(s), as determined by the procedures in Condition V.C.3.d.1) below; and	Direct Measurement & Record Review	Y	C	
V.C.1.i.4	Restrictions		12 seconds of visible emissions per charge, as determined by the procedures in Condition V.C.3.d.2) below.	Direct Measurement & Record Review	Y	C	
V.C.1.j	Restrictions	§2103.12.h.6; §63.306(c)(1)(i)	The permittee shall implement the provisions of the work practice plan required by Condition IV.27 above following the second independent exceedance of the visible emission limitation for the emission point in any consecutive 6-month period, by no later than 3 days after receipt of written notification of the second such exceedance from the certified observer.	Process Knowledge/ Record Review	Y	C	
V.C.1.k	Restrictions	§2105.21.a.1	The permittee shall not operate, or allow to be operated any battery of coke ovens in such manner that the aggregate of visible charging emissions exceeds a total of 55 seconds during any five (5) consecutive charges on such battery.	Direct Measurement & Record Review	Y	C	
V.C.1.l	Restrictions	§2105.21.b.4	The permittee shall not operate, or allow to be operated Coke Oven Batteries 13, 14 or 15 in such manner that emissions from the door areas of any coke oven exceed an opacity of 40% at any time 15 or more minutes after such oven has been charged.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.C.1.m	Restrictions	§2105.21.b.1.A, B & C	The permittee shall not operate, or allow to be operated Coke Oven Batteries 13, 14 or 15 in such manner that, at any time, there are visible emissions from more than five percent (5%) of the door areas of the operating coke ovens in such battery, excluding the two door areas of the last oven charged and any door areas obstructed from view.	Direct Measurement & Record Review	Y	C	
V.C.1.n	Restrictions	§2105.21.c.1	The permittee shall not operate, or allow to be operated Coke Oven Batteries 13, 14 or 15 in such manner that, at any time, there are visible emissions from more than one percent (1%) of the charging ports or charging port seals on the operating coke ovens of such battery.	Direct Measurement & Record Review	Y	C	
V.C.1.o	Restrictions	§2105.21.d.1	The permittee shall not operate, or allow to be operated Coke Oven Batteries 13, 14 or 15 in such manner that, at any time, there are visible emissions from more than four percent (4%) of the offtake piping on the operating coke ovens of such battery.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.C.1.p	Restrictions	§2105.21.e.5	The permittee shall not operate, or allow to be operated Coke Oven Batteries 13, 14 or 15 in such manner that visible emissions from the transport of hot coke in the open atmosphere exceed ten percent (10%) opacity at any time.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.C.1.q	Restrictions	§2105.21.f.1	The permittee shall not operate, or allow to be operated, Coke Oven Batteries 13, 14 or 15 in such manner that, at any time, emissions from the combustion stack serving such battery exceed a particulate concentration of 0.015 grains per dry standard cubic foot.	Direct Measurement	Y	C	
V.C.1.r	Restrictions	§2105.21.f.3&4	The permittee shall not operate, or allow to be operated, Coke Oven Batteries 13, 14 or 15 in such manner that, at any time, emissions from the combustion stack serving each battery equal or exceed an opacity of 20% for a period or periods aggregating in excess of three (3) minutes in any 60 minute period; or equal or exceed an opacity of 60% at any time.	Direct Measurement & Record Review	Y	I	USS is working consistently with the Schedule M as submitted to ACHD; and is working with ACHD on a separate CO&A.
V.C.1.s	Restrictions	Enforcement Order No. 161, July 23, 1990	The permittee shall install, operate, maintain and calibrate a continuous opacity monitoring system on each combustion stack serving Coke Oven Batteries 13, 14 and 15.	Process Knowledge & Record Review	Y	C	
V.C.1.t	Restrictions	§2103.12.h.6.; §63.7296(a) and (b)	The permittee shall not discharge to the atmosphere any emissions from any battery stack that exhibit an opacity greater than the following applicable limits:	Administrative	Y	C	
V.C.1.t.1	Restrictions		Daily average of 15 percent opacity for a battery on a normal coking cycle.	Direct Measurement & Record Review	Y	C	
V.C.1.t.2	Restrictions		Daily average of 20 percent opacity for a battery on batterywide extended coking.	Direct Measurement & Record Review	Y	C	
V.C.1.u	Restrictions	§2103.12.h.6; §63.7326(d)	The permittee shall submit a notification of compliance status containing the results of the COMS performance test for battery stacks within 30 calendar days following the completion of the compliance demonstration. For each particulate matter emission limitation that applies to you, the permittee shall submit a notification of compliance status containing the results of the performance test within 60 calendar days following completion of the performance test according to §63.10(d).	Record Review	Y	C	
V.C.1.v	Restrictions	§2105.21.f.2; §2105.21.h.4; 2101.11.b & c.	Emissions from each combustion stack for Coke Batteries No. 13, No. 14 or No. 15 shall not exceed the emission limitations in Table V-C-1.	Administrative Requirement	Y	C	
V.C.1.v	Restrictions		**POLLUTANT** **HOURLY LIMIT (lb/hr)** **ANNUAL LIMIT**				
V.C.1.v.1	Restrictions		PM 8.33 36.50		Y	C	Review stack test results
V.C.1.v.1	Restrictions		PM-10 8.33 36.50		Y	C	Review stack test results
V.C.1.v.1	Restrictions		PM 2.5 8.33 36.50		Y	C	Review stack test results
V.C.1.v.1	Restrictions		SO2 33.5 146.5		Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.C.1.v.1	Restrictions		A year is defined as any consecutive 12-month period.				

Title V Citation	C. y	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.C.2.a	Testing	§2103.12.h.1; §2108.02.e; Second Consent Decree 6/24/93	The permittee shall have PM, PM2.5 and PM10 particulate emissions stack tests performed on each combustion stack of Coke Batteries 13, 14 and 15 at least once every four (4) years to demonstrate compliance with the mass emission standard in Condition V.C.1.q above . Particulate emission tests shall be conducted according to the methodology specified in 40 CFR 60, Appendix A, Methods 1 through 5, 201A and 202 (or other method specified). The permittee shall submit a stack test protocol to the Department for approval at least 45 days prior to the test dates. During each stack test performed, simultaneous visible emission evaluations shall be conducted according to the methodology specified in 40 CFR 60, Appendix A, Method 9, except for the provisions of Section 2.5 of Method 9.	Record Review	Y	C	
V.C.2.b	Testing	§2108.02.b, §2108.02.e.	The permittee shall have sulfur dioxide (SO2) emissions stack tests performed on each combustion stack of Coke Batteries 13, 14 and 15 at least once every two years to demonstrate compliance with the mass emission limitations for each combustion stack in Condition V.C.1.v above. SO2 emission tests shall be conducted according to Method 6, 6A, 6B, or 6C specified in 40 CFR 60, Appendix A. The permittee shall submit a stack test protocol to the Department for approval at least 45 days prior to the test dates.	Record Review	Y	C	
V.C.2.c	Testing	§2103.12.h.1, §2108.02.(b), §2108.02.(e)	The permittee shall perform emissions testing and evaluations for NOx on each combustion stack of Coke Batteries 13, 14 and 15 to develop emission factors that can be applied to quantify NOx emissions. This evaluation shall include stack testing, an analysis of B Battery CEM data, and an evaluation of gas combustion and operating variables that affect NOx. Testing for NOx shall be conducted at least once every two years in accordance with approved EPA Methods in Appendix A of 40 CFR Part 60, Article XXI §2108.02, and as approved by the Department. Reports of stack testing results shall be submitted to the Department within 90 days of the date of the stack test. The evaluation report shall be made available to the Department upon request and at permit renewal.	Record Review	Y	C	
V.C.2.d	Testing	§2103.12.h.1, §2108.02.(b), §2108.02.(e)	The permittee shall perform emissions tests and evaluations for CO and VOC on each combustion stack of Coke Batteries 13, 14 and 15 to develop emission factors that can be applied to quantify CO & VOC emissions. Testing for CO and VOC shall be conducted in accordance with approved EPA Methods in Appendix A of 40 CFR Part 60, Article XXI §2108.02, and as approved by the Department. Reports of the stack testing results shall be submitted to the Department within 90 days of the date of the stack test. The evaluation report shall be made available to the Department upon request and at permit renewal.	Record Review	Y	C	
V.C.2.e	Testing	§2103.12.h.1	The Department reserves the right to require additional emissions testing sufficient to assure compliance with the terms and conditions of this permit. Such testing shall be performed in accordance with Site Level Condition IV.13 above and Article XXI §2108.02.	Administrative Requirement	Y	C	
V.C.3.a	Monitoring		The permittee shall:	Administrative Requirement			
V.C.3.a.1	Monitoring	§2103.12.h.6.; §63.308(a)	Inspect the collecting main for leaks at least once daily according to the procedures in Method 303 in 40 CFR Part 63, Appendix A;	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.C.3.a.2	Monitoring	§2103.12.h.6.; §63.308(b)	Record the time and date a leak in the collecting main is first observed, the time and date the leak is temporarily sealed, and the time and date of repair;	Record Review	Y	C	
V.C.3.a.3	Monitoring	§2103.12.h.6.; §2103.12.i; §63.308(c)	Temporarily seal any leak in the collecting main as soon as possible after detection, but no later than 4 hours after detection of the leak; and	Record Review	Y	C	
V.C.3.a.4	Monitoring	§2103.12.h.6.; §63.308(d)	Initiate a collecting main repair as expeditiously as possible, but no later than 5 calendar days after initial detection of the leak. The repair shall be completed within 15 calendar days after initial detection of the leak unless an alternative schedule is approved by the Department.	Record Review	Y	C	
V.C.3.b	Monitoring	§2103.12.h.6.; §63.309(a)	Except as otherwise provided, a daily performance test shall be conducted each day, 7 days per week for each coke oven battery, the results of which shall be used in accordance with procedures in Conditions V.C.3.c below through V.C.3.f below to determine compliance with each of the applicable visible emission limitations for coke oven doors, topside port lids, offtake systems, and charging operations.	Administrative Requirement	Y	C	
V.C.3.b.1	Monitoring		Each performance test is to be conducted according to the procedures and requirements in Method 303 in Appendix A to 40 CFR Part 63 or Methods 9 and 22 in Appendix A to 40 CFR Part 60 (where applicable).	Record Review	Y	C	
V.C.3.b.2	Monitoring		Each performance test is to be conducted by a certified observer.	Record Review	Y	C	
V.C.3.b.3	Monitoring		The certified observer shall complete any reasonable safety training program offered by the permittee prior to conducting any performance test at a coke oven battery.	Record Review	Y	C	
V.C.3.b.4	Monitoring		Except as otherwise provided in §63.309(a)(5), the permittee shall pay an inspection fee to the Department each calendar quarter, as specified in §63.309(a)(4), to defray the costs of the daily performance tests required in Condition V.C.3.b above.	Record Review	Y	C	
V.C.3.b.5	Monitoring		If a facility pushes and charges only at night, then that facility must, at is option, change their schedule and charge during daylight hours or provide adequate lighting so that visible emission inspections can be made at night. "Adequate lighting" shall be determined by the Department.	Record Review	Y	C	
V.C.3.c	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(c)	The certified observer shall conduct each performance test according to the following requirements:	Administrative	Y	C	
V.C.3.c.1	Monitoring		The certified observer shall conduct one run each day to observe and record visible emissions from each coke oven door, topside port lid, and offtake system on each coke oven battery. The certified observer also shall conduct five runs to observe and record the seconds of visible emissions per charge for five consecutive charges from each coke oven battery. The observer may perform additional runs as needed to obtain and record a visible emissions value (or set of values) for an emission point that is valid under Method 303 in Appendix A of 40 CFR Part 63. Observations from fewer than five consecutive charges shall constitute a valid set of charging observations only in accordance with the procedures and conditions specified in Sections 3.8 and 3.9 of Method 303 in Appendix A of 40 CFR 63.	Record Review	Y	C	

Title V Citation	C ry	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.C.3.e.2	Monitoring		If a valid visible emissions value (or set of values) is not obtained for a performance test, there is no compliance determination for that day. Compliance determinations will resume on the next day that a valid visible emissions value (or set of values) is obtained.	Record Review	Y	C	
V.C.3.e.3	Monitoring		After each performance test, the certified observer shall check and record the collecting main pressure according to the procedures in Section 6.3 of Method 303 in Appendix A of 40 CFR Part 63.	Record Review	Y	C	
V.C.3.e.3.a	Monitoring		The permittee shall demonstrate pursuant to Method 303 in Appendix A of 40 CFR 63 the accuracy of the pressure measurement device upon request of the certified observer;	Record Review	Y	C	
V.C.3.e.3.b	Monitoring		The permittee shall not adjust the pressure to a level below the range of normal operation during or prior to the inspection;	Record Review	Y	C	
V.C.3.e.4	Monitoring		In no case shall the permittee knowingly block a coke oven door, or any portion of a door for the purpose of concealing emissions or preventing observations by the certified observer.	Record Review	Y	C	
V.C.3.d	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(d)	Using the observations obtained from each performance test, the Department shall compute and record, in accordance with the procedures and requirements of Method 303 in Appendix A of 40 CFR Part 63, for each day of operations on which a valid emissions value (or set of values) is obtained:	Administrative Requirement	Y	C	
V.C.3.d.1	Monitoring		The 30-run rolling average of the percent leaking coke oven doors, topside port lids, and offtake systems on each coke oven battery, using the equations in sections 4.5.3.2, 5.6.5.2, and 5.6.6.2 of Method 303 in Appendix A of 40 CFR 63;	Record Review	Y	C	
V.C.3.d.2	Monitoring		For by-product coke oven battery charging operations, the logarithmic 30-day rolling average of the seconds of visible emissions per charge for each battery, using the equation in section 3.9 of Method 303 in Appendix A of 40 CFR 63;	Record Review	Y	C	
V.C.3.e	Monitoring	§2103.12.h.6.; §2103.12.i; §63.309(e)	The certified observer shall make available to the Department as well as to the permittee, a copy of the daily inspection results by the end of the day and shall make available the calculated rolling average for each emission point to the permittee as soon as practicable following each performance test. The information provided by the certified observer is not a compliance determination. For the purpose of notifying the permittee of the results obtained by a certified observer, the person does not have to be certified.	Record Review	Y	C	
V.C.3.f	Monitoring	§2103.12.h.6.; §63.309(f)	Compliance shall not be determined more often than the schedule provided for performance tests in Condition V.C.3.b above. If additional valid emissions observations are obtained (or in the case of charging, valid sets of emission observations), the arithmetic average of all valid values (or valid sets of values) obtained during the day shall not be used in any computations performed to determine compliance under Condition V.C.3.d above or determinations under Condition IV.27 above.	Administrative Requirement	Y	C	
V.C.3.g	Monitoring	§2103.12.h.6.; §63.309(h)	For a flare installed to meet the requirements of Conditions V.C.1.d above and V.C.1.e above:	Administrative Requirement	Y	C	
V.C.3.g.1	Monitoring		Compliance with the provisions in Condition V.C.1.h above (visible emissions from flares) shall be determined using Method 22 in Appendix A to 40 CFR Part 60, with an observation period of 2 hours; and	Direct Measurement and Record Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.C.3.g.2	Monitoring		Compliance with the provisions in Condition V.C.1.e above (flare pilot light) shall be determined using a thermocouple or any other equivalent device.	Process Knowledge & Physical Inspection	Y	C	
V.C.3.h	Monitoring	§2103.12.h.6; §63.309(i)	No observations obtained during any program for training or for certifying observers under 40 CFR 63, Subpart L shall be used to determine compliance with the requirements of Subpart L or any other federally enforceable standard.	Administrative Requirement	Y	C	
V.C.3.i	Monitoring	§2103.12.h.6.; §63.7300(b)	The permittee shall prepare and operate at all times according to a written operation and maintenance plan for the general operation and maintenance of all coke oven batteries. Each plan must address, at a minimum, the following elements:	Record Review	Y	C	
V.C.3.i.1	Monitoring		Frequency and method of recording underfiring gas parameters.	Record Review	Y	C	
V.C.3.i.2	Monitoring		Frequency and method of recording battery operating temperature, including measurement of individual flue and cross-wall temperatures.	Record Review	Y	C	
V.C.3.i.3	Monitoring		Procedures to prevent pushing an oven before it is fully coked.	Record Review	Y	C	
V.C.3.i.4	Monitoring		Procedures to prevent overcharging and undercharging of ovens, including measurement of coal moisture, coal bulk density, and procedures for determining volume of coal charged.	Record Review	Y	C	
V.C.3.i.5	Monitoring		Frequency and procedures for inspecting flues, burners, and nozzles.	Record Review	Y	C	
V.C.3.6	Monitoring		Schedule and procedures for the daily washing of baffles	Record Review	Y	C	
V.C.3.j	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7330(e)	The permittee shall monitor at all times the opacity of emissions exiting each coke oven battery stack using a COMS according to the requirements in §63.7331(i).	Process Knowledge, Physical Inspection and Record Review	Y	C	
V.C.3.k	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7331(c)	The permittee shall conduct a performance evaluation of each CPMS in accordance with the site-specific monitoring plan .	Record Review	Y	C	
V.C.3.l	Monitoring	§2103.12.h.6.; §63.7331(d)	The permittee shall operate and maintain each CPMS in continuous operation according to the site-specific monitoring plan.	Record Review	Y	C	
V.C.3.m	Monitoring	§2103.12.h.6.; §2103.12.i; §63.7331(j)	For coke oven battery, the permittee shall install, operate, and maintain a COMS to measure and record the opacity of emissions exiting each stack according to the requirements in Conditions V.C.3.m.1) through V.C.3.m.5) below:	Administrative Requirement	Y	C	
V.C.3.m.1	Monitoring		Install, operate, and maintain each COMS according to the requirements in §63.8(e) and Performance Specification 1 in 40 CFR Part 60, Appendix B. Identify periods when the COMS is out-of-control, including any periods that the COMS fails to pass a daily calibration drift assessment, quarterly performance audit, or annual zero alignment audit.	Physical Inspection & Record Review	Y	C	
V.C.3.m.2	Monitoring		Conduct a performance evaluation of each COMS according to the requirements in §63.8 and Performance Specification 1 in Appendix B to 40 CFR Part 60;	Record Review	Y	C	

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Title V Citation	Ca... .y	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.C.3.m.3	Monitoring		Develop and implement a quality control program for operating and maintaining each COMS according to the requirements in §63.8(d). At minimum, the quality control program must include a daily calibration drift assessment, quarterly performance audit, and an annual zero alignment audit of each COMS;	Record Review	Y	C	
V.C.3.m.4	Monitoring		Each COMS must complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period. You must reduce the COMS data as specified in §63.8(g)(2).	Record Review	Y	C	
V.C.3.m.5	Monitoring		Determine and record the hourly and daily (24-hour) average opacity according to the procedures in V.C.2.e above using all the 6-minute averages collected for periods during which the COMS is not out-of-control.	Record Review	Y	C	
V.C.3.n	Monitoring	§2103.12.h.6.; §63.7332(a)	Except for monitor malfunctions, associated repairs, and required quality assurance or control activities (including as applicable, calibration checks and required zero and span adjustments), the permittee shall monitor continuously (or collect data at all required intervals) at all times the affected source is operating.	Process Knowledge & Record Review	Y	C	
V.C.3.o	Monitoring	§2103.12.h.6.; §63.7332(b)	The permittee shall not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels, or in fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing compliance. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitor to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.	Record Review	Y	C	
V.C.3.p	Monitoring	§2103.12.h.6.; §63.7333(e)	The permittee shall demonstrate continuous compliance for each by-product coke oven battery subject to the opacity limit for stacks in Condition V.C.1.t. above by meeting the requirements in Conditions V.C.3.p.1) and V.C.3.p.2) below:	Administrative Requirement	Y	C	
V.C.3.p.1	Monitoring		Maintaining the daily average opacity at or below 15 percent for a battery on a normal coking cycle or 20 percent for a battery on batterywide extended coking; and	Record Review	Y	C	
V.C.3.p.2	Monitoring		Operating and maintaining a COMS and collecting and reducing the COMS data according to Condition V.C.3.m above	Record Review	Y	C	
V.C.4.a	Record Keeping	§2103.12.h.6; §63.311(f); §2103.12.j	The permittee shall maintain files of all required information in a permanent form suitable for inspection at an onsite location for at least 1 year and must thereafter be accessible within 3 working days to the Department for a period of five years. Copies of the work practice plan developed under Condition IV.27 above and the startup, shutdown, and malfunction plan developed under V.C.6.c below shall be kept onsite at all times. The permittee shall maintain the following information:	Administrative Requirement	Y	C	
V.C.4.a.1	Record Keeping		A copy of the work practice plan required by Condition IV.27 above and any revision to the plan;	Record Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.C.4.a.2	Record Keeping		If the permittee is required under Condition IV.27.c to implement the provisions of a work practice plan for a particular emission point, the following records regarding the implementation of plan requirements for that emission point during the implementation period:	Administrative Requirement	Y	C	
V.C.4.a.2.a	Record Keeping		Copies of all written and audiovisual materials used in the training, the dates of each class, the names of the participants in each class, and documentation that all appropriate personnel have successfully completed the training required under Condition IV.27.b.1) above;	Record Review	Y	C	
V.C.4.a.2.b	Record Keeping		The records required to be maintained by the plan provisions implementing Condition IV.27.b.6) above;	Record Review	Y	C	
V.C.4.a.2.c	Record Keeping		Records resulting from audits of the effectiveness of the work practice program for the particular emission point, as required under Conditions IV.27.b.2)a), IV.27.b.3)a), IV.27.b.4)a) or IV.27.b.5)a) above; and	Record Review	Y	C	
V.C.4.a.2.d	Record Keeping		If the plan provisions for coke oven doors must be implemented, records of the inventory of doors and jambs as required under Condition IV.27.b.2)f) above; and	Record Review	Y	C	
V.C.4.a.3	Record Keeping		The design drawings and engineering specifications for the bypass/bleeder stack flare system or approved alternative control device or system as required under Conditions V.C.1.C through V.C.1.d above.	Record Review	Y	C	
V.C.4.a.4	Record Keeping		Records specified in Condition V.C.6.g below regarding the basis of each malfunction notification.	Record Review	Y	C	
V.C.4.b	Record Keeping	§2103.12.j.; §63.7342(a)	The permittee shall keep the following records:	Administrative Requirement	Y	C	
V.C.4.b.1	Record Keeping		A copy of each notification and report that was submitted to comply with this subpart, including all documentation supporting any initial notification or notification of compliance status that you submitted, according to the requirements in §63.10(b)(2)(xiv).	Record Review	Y	C	
V.C.4.b.2	Record Keeping		The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.	Record Review	Y	C	
V.C.4.b.3	Record Keeping		Records of performance tests, performance evaluations, and opacity observations as required in §63.10(b)(2)(viii).	Record Review	Y	C	
V.C.4.c	Record Keeping	§2103.12.h.6.; §63.7342(b)	For each COMS or CEMS, the permittee shall keep the following records.	Administrative Requirement	Y	C	
V.C.4.c.1	Record Keeping		Records described in §63.10(b)(2)(vi) through (xi).	Record Review	Y	C	
V.C.4.c.2	Record Keeping		Monitoring data for COMS during a performance evaluation as required in §63.6(h)(7)(i) and (ii).	Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.C.4.c.3	Record Keeping		Previous (that is, superceded) versions of the performance evaluation plan as required in §63.8(d)(3).	Record Review	Y	C	
V.C.4.c.4	Record Keeping		Records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Record Review	Y	C	
V.C.4.d	Record Keeping	[§2103.12.j.; §63.7342©	The permittee shall keep the records in §63.6(h)(6) for visual observations.	Administrative Requirement	Y	C	
V.C.4.e	Record Keeping	§2103.12.h.6.; §63.7343(b)	As specified in §63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.C.4.f	Record Keeping	§2103.12.h.6; §63.7343©	The permittee shall keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records offsite for the remaining 3 years.	Record Review	Y	C	
V.C.4.g	Record Keeping	§63.7335(a)	The permittee must demonstrate continuous compliance with the operation and maintenance plans required in V.C.3.i above by adhering at all times to the plan requirements and recording all information needed to document conformance.	Record Review	Y	C	
V.C.4.h	Record Keeping	§2103.12.j.; §63.7335(d)	The permittee shall maintain a current copy of the operation and maintenance plans required in in V.C.3.i or §63.7300(b) onsite and available for inspection upon request. The plans shall be kept for the life of the affected source or until the affected source is no longer subject to the requirements of 40 CFR Part 63, Subpart CCCCC.	Record Review	Y	C	
V.C.4.i	Record Keeping	§2103.12.h.6.; §63.7334(d)	The permittee must demonstrate continuous compliance to the work practice standard for soaking in V.C.6.k by maintaining records that document conformance with requirements in V.C.6.k.1) through V.C.6.k.5).	Record Review	Y	C	
V.C.5.a	Reporting	§2103.12.h.6; §2103.12.k; §2109.03 and Enforcement Order 202. E, 3/28/90	No later than twenty (20) days after the end of each month, a written report of a summary of the following during each such month shall be submitted to the Department:	Administrative Requirement	Y	C	
V.C.5.a.1	Reporting		For all coke batteries combined, the daily average for the month of:	Administrative Requirement	Y	C	
V.C.5.a.1.a	Reporting		Coal charged, in tons;	Record Review	Y	C	
V.C.5.a.1.b	Reporting		Coke produced, in tons;	Record Review	Y	C	
V.C.5.a.1.c	Reporting		Total coke oven gas produced; in MMCF;	Record Review	Y	C	
V.C.5.a.1.d	Reporting		Quench water used, in gallons;	Record Review	Y	C	
V.C.5.a.1.e	Reporting		Elemental sulfur produced, in tons;	Record Review	Y	C	
V.C.5.a.1.f	Reporting		Sulfur content of coal, in percent; and	Record Review	Y	C	
V.C.5.a.1.g	Reporting		Sulfur content of coke, in percent.	Record Review	Y	C	
V.C.5.a.2	Reporting		For all periods during which contaminated quench water was used:	Administrative Requirement	Y	C	
V.C.5.a.2.a	Reporting		The batteries affected;	Record Review	Y	C	
V.C.5.a.2.b	Reporting		The starting and ending dates and times;	Record Review	Y	C	
V.C.5.a.2.c	Reporting		The total time of each period, and total for the month, to the nearest tenth of an hour;	Record Review	Y	C	
V.C.5.a.2.d	Reporting		The corresponding Department Breakdown Number;	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.C.5.a.2.e	Reporting		The average flow rates of contaminated water to both the quench towers and the water treatment plant during the period, each in gallons per minute; and	Record Review	Y	C	
V.C.5.a.2.f	Reporting		The reason(s) or cause(s) for each period.	Record Review	Y	C	
V.C.5.b	Reporting	Enforcement Order No. 161, July 23, 1990	No later than twenty (20) days after the end of each month, a written report of a summary of the following for each combustion stack continuous opacity monitoring system during each such month shall be submitted to the Department:	Administrative Requirement	Y	C	
V.C.5.b.1	Reporting		The monthly average percent availability (on-line time), based on total minutes of coke operations and total minutes available;	Record Review	Y	C	
V.C.5.b.2	Reporting		The daily percentage available;	Record Review	Y	C	
V.C.5.b.3	Reporting		The number of days on which there was less than 100% availability;	Record Review	Y	C	
V.C.5.b.4	Reporting		For each of the coke oven combustion stack visible emission standards set forth in §2105.21.f.3. & f.4. , the total number of hours for the month, and the number of hours each day, during which an exceedance of such standard was measured by such continuous opacity monitor;	Record Review	Y	C	
V.C.5.b.5	Reporting		The number and nature of tests, calibrations, and any other quality assurance activities performed; and	Record Review	Y	C	
V.C.5.b.6	Reporting		The dates, times and results of all such activities.	Record Review	Y	C	
V.C.5.c	Reporting	§2103.12.k.; §63.311(d)	The permittee shall include the following information in the semiannual compliance certification:	Administrative Requirement	Y	C	
V.C.5.c.1	Reporting		Certification, signed by the permittee, that no coke oven gas was vented, except through the bypass/bleeder stack flare system during the reporting period or that a venting report has been submitted according to the requirements in V.C.5.d below.	Record Review	Y	C	
V.C.5.c.2	Reporting		Certification, signed by the permittee, that a startup, shutdown, or malfunction event did not occur for a coke oven battery during the reporting period or that a startup, shutdown, and malfunction event did occur and a report was submitted according to the requirements in V.C.6.f below; and	Record Review	Y	C	
V.C.5.c.3	Reporting		Certification, signed by the permittee, that work practices were implemented if applicable under Condition IV.27 above.	Record Review	Y	C	
V.C.5.d	Reporting	§2103.12.h.6.; §63.311(e)	The permittee shall report any venting of coke oven gas through a bypass/bleeder stack that was not vented through the bypass/bleeder stack flare system to the Department as soon as practicable but no later than 24 hours after the beginning of the event. A written report shall be submitted within 30 days of the event and shall include a description of the event and, if applicable, a copy of the notification for a hazardous substance release required pursuant to 40 CFR 302.6.	Record Review	Y	C	
V.C.5.e	Reporting	§2103.12.h.6.; §63.310(d)	In order for the provisions of §63.310(i) to apply with respect to the observation (or set of observations) for a particular day, notification of a startup, shutdown, or a malfunction shall be made by the permittee as follows:	Administrative Requirement	Y	C	
V.C.5.e.1	Reporting		If practicable, to the certified observer if the observer is at the facility during the occurrence; or	Record Review	Y	C	

Title V Citation	C[illegible]y	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.C.5.e.2	Reporting		To the Department, in writing, within 24 hours of the occurrence first being documented by a company employee, and if the notification was not made, an explanation of why no such notification was made.	Record Review	Y	C	
V.C.5.f	Reporting	§2103.12.k.; §63.310(e)	Within 14 days of the notification startup, shutdown, or a malfunction, the permittee shall submit a written report to the Department that:	Administrative Requirement	Y	C	
V.C.5.f.1	Reporting		Describes the time and circumstances of the startup, shutdown, or malfunction; and	Record Review	Y	C	
V.C.5.f.2	Reporting		Describes actions taken that might be considered inconsistent with the startup, shutdown, or malfunction plan.	Record Review	Y	C	
V.C.5.g	Reporting	Consent Order and Agreement (COA) Third Amendment, July 6, 2011 V.a.1	The permittee shall submit a written quarterly report within thirty (30) days after the close of each calendar quarter to the Department. The quarterly reports shall contain, at minimum the list of every clock hour in the calendar quarter that compliance is not achieved for Article XXI opacity limits applicable to Batteries 13-15 combustion stacks as measured by the combustion stacks continuous opacity monitor (COM). U.S. Steel shall indicate the date, time, root cause, and ovens that are believed to have contributed to the exceedance.	Record Review	Y	C	
V.C.5.h	Reporting	Consent Order and Agreement (COA) Third Amendment, July 6, 2011, Condition V.a.8	The permittee shall submit to the Department a Semi-Annual Deviation Report for all deviations from Article XXI §2105.21(e)(4) and (e)(5) for Batteries 13-15.	Record Review	Y	C	
V.C.5.i	Reporting	§2103.12.h.6.; §63.7336(a)	The permittee shall report each instance in which you did not meet each emission limitation in 40 CFR Part 63, Subpart CCCCC that applies to you. This includes periods of startup, shutdown, and malfunction. The permittee shall also report each instance in which you did not meet each work practice standard or operation and maintenance requirement in this 40 CFR Part 63, Subpart CCCCC that applies to you. These instances are deviations from the emission limitations (including operating limits), work practice standards, and operation and maintenance requirements in this 40 CFR Part 63, Subpart CCCCC. These deviations must be reported according to the requirements in V.C.5.m through V.C.5.q below.	Record Review	Y	C	
V.C.5.j	Reporting	§2103.12.h.6.; §63.7336(b)	During periods of startup, shutdown, and malfunction, you must operate in accordance with your startup, shutdown, and malfunction plan.	Record Review	Y	C	
V.C.5.j.1	Reporting		Consistent with §63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if you demonstrate to the Department's satisfaction that you were operating in accordance with the startup, shutdown, and malfunction plan.	Record Review	Y	C	
V.C.5.j.2	Reporting		The Department will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in §63.6(e).	Administrative Requirement	Y	C	
V.C.5.k	Reporting	§2103.12.h.6.; §63.7340(a)	The permittee shall submit all of the notifications in §63.6(h)(4) and (5), 63.7(b) and (c), 63.8(e) and (f)(4), and 63.9(b) through (h) that apply to you by the specified dates.	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.C.5.l	Reporting	§2103.12.h.6; §63.7340(d)	If you are required to conduct a performance test, the permittee shall submit a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin as required in §63.7(b)(1).	Record Review	Y	C	
V.C.5.m	Reporting	§2103.12.h.6.; §63.7341(a)	Unless the Department has approved a different schedule, you must submit quarterly compliance reports for battery stacks and semiannual compliance reports for all other affected sources according to the requirements in V.C.5.m.1) through V.C.5.m.2) below:	Record Review	Y	C	
V.C.5.m.1	Reporting		Each quarterly compliance report for battery stacks shall be submitted in accordance with General Condition III.15.e above.	Record Review	Y	C	
V.C.5.m.2	Reporting		All quarterly compliance reports for battery stacks must be postmarked or delivered no later than one calendar month following the end of the quarterly reporting period.	Record Review	Y	C	
V.C.5.n	Reporting	§2103.12.h.6; §63.7341(b)	Each quarterly compliance report must provide information on compliance with the emission limitations for battery stacks in V.C.1.t above. The reports must include the information in Conditions V.C.5.o.1) through V.C.5.o.3) below, and as applicable, Conditions V.C.5.o.4) through V.C.5.o.8) below.	Record Review	Y	C	
V.C.5.o	Reporting	§2103.12.h.6; §63.7341(c)	Each semiannual compliance report must provide information on compliance with the emission limitations, work practice standards, and operation and maintenance requirements for all affected sources except battery stacks. The reports must include the information V.C.5.o.1) through V.C.5.o.3), and as applicable, Conditions V.C.5.o.4) through V.C.5.o.8) below.	Record Review	Y	C	
V.C.5.o.1	Reporting		Company name and address.	Record Review	Y	C	
V.C.5.o.2	Reporting		Statement by a responsible official, with the official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.	Record Review	Y	C	
V.C.5.o.3	Reporting		Date of report and beginning and ending dates of the reporting period.	Record Review	Y	C	
V.C.5.o.4	Reporting		If you had a startup, shutdown, or malfunction during the reporting period and you took actions consistent with your startup, shutdown, and malfunction plan, the compliance report must include the information in §63.10(d)(5)(i).	Record Review	Y	C	
V.C.5.o.5	Reporting		If there were no deviations from the continuous compliance requirements in V.C.3.p for battery stacks, a statement that there were no deviations from the emission limitations during the reporting period.	Record Review	Y	C	
V.C.5.o.6	Reporting		If there were no periods during which a continuous monitoring system (including COMS, continuous emission monitoring system (CEMS), or CPMS) was out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which a continuous monitoring system was out-of-control during the reporting period.	Record Review	Y	C	

Title V Citation	Cat.	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.C.5.o.7	Reporting		For each deviation from an emission limitation in 40 CFR 63, Subpart CCCCC and for each deviation from the requirements for work practice standards in this 40 CFR Part 63, Subpart CCCCC that occurs at an affected source where you are not using a continuous monitoring system (including a COMS, CEMS, or CPMS) to comply with the emission limitations in this subpart, the compliance report must contain the information in Conditions V.C.5.o.4), V.C.5.o.7)a) and V.C.5.o.7)b) below. This includes periods of startup, shutdown, and malfunction.	Record Review	Y	C	
V.C.5.o.7.a	Reporting		The total operating time of each affected source during the reporting period.	Record Review	Y	C	
V.C.5.o.7.b	Reporting		Information on the number, duration, and cause of deviations (including unknown cause, if applicable) as applicable and the corrective action taken.	Record Review	Y	C	
V.C.5.o.8	Reporting		For each deviation from an emission limitation occurring at an affected source where you are using a continuous monitoring system (including COMS, CEMS, or CPMS) to comply with the emission limitation 40 CFR 63, Subpart CCCCC, you must include the information in Conditions V.C.5.o.4), V.C.5.o.8)a) through V.C.5.o.8)l) below. This includes periods of startup, shutdown, and malfunction.	Record Review	Y	C	
V.C.5.o.8.a	Reporting		The date and time that each malfunction started and stopped.	Record Review	Y	C	
V.C.5.o.8.b	Reporting		The date and time that each continuous monitoring system (including COMS, CEMS, or CPMS) was inoperative, except for zero (low-level) and high-level checks.	Record Review	Y	C	
V.C.5.o.8.c	Reporting		The date, time, and duration that each continuous monitoring system (including COMS, CEMS, or CPMS) was out-of-control, including the information in §63.8(c)(8).	Record Review	Y	C	
V.C.5.o.8.d	Reporting		The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Record Review	Y	C	
V.C.5.o.8.e	Reporting		A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.	Record Review	Y	C	
V.C.5.o.8.f	Reporting		A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.	Record Review	Y	C	
V.C.5.o.8.g	Reporting		A summary of the total duration of continuous monitoring system downtime during the reporting period and the total duration of continuous monitoring system downtime as a percent of the total source operating time during the reporting period.	Record Review	Y	C	
V.C.5.o.8.h	Reporting		An identification of each HAP that was monitored at the affected source.	Record Review	Y	C	
V.C.5.o.8.i	Reporting		A brief description of the process units.	Record Review	Y	C	
V.C.5.o.8.j	Reporting		A brief description of the continuous monitoring system.	Record Review	Y	C	
V.C.5.o.8.k	Reporting		The date of the latest continuous monitoring system certification or audit.	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.C.5.o.8.1	Reporting		A description of any changes in continuous monitoring systems, processes, or controls since the last reporting period.	Record Review	Y	C	
V.C.5.p	Reporting	§2103.12.k; §63.7341(d)	If the permittee had a startup, shutdown, or malfunction during the semiannual reporting period that was not consistent with your startup, shutdown, and malfunction plan, you must submit an immediate startup, shutdown, and malfunction report according to the requirements in §63.10(d)(5)(ii).	Record Review	Y	C	
V.C.5.q	Reporting	§2103.12.k; §63.7341(e)	If the permittee submits a compliance report for an affected source along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A), and the compliance report includes all the required information concerning deviations from any emission limitation or work practice standard in 40 CFR Part 63, Subpart CCCCC, submission of the compliance report satisfies any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report does not otherwise affect any obligation you may have to report deviations from permit requirements to the Department.	Record Review	Y	C	
V.C.6.a	Work Practice Standards		Coke Oven Batteries 13, 14 and 15 shall be properly maintained and operated at all times according to good engineering and air pollution control practices . [RACT Plan 234]	Engineering Judgement & Record Review	Y	C	
V.C.6.b	Work Practice Standards		The permittee shall comply with the provisions of applicable workpractice requirements in Site level Condition IV.27 IV.27.c above. [§2103.12.h.6.; §63.306(a)]	Record Review	Y	C	
V.C.6.c	Work Practice Standards		The permittee shall develop and implement according to Condition V.C.6.d below, a written startup, shutdown, and malfunction plan that describes procedures for operating the battery, including associated air pollution control equipment, during a period of a startup, shutdown, or malfunction in a manner consistent with good air pollution control practices for minimizing emissions, and procedures for correcting malfunctioning process and air pollution control equipment as quickly as practicable. All the provisions of Site Level Condition IV.8 above remain applicable and are not superceded by operating in accordance with the startup, shutdown, and malfunction plan. [§2103.12.h.6.; §63.310(b)]	Record Review	Y	C	
V.C.6.d	Work Practice Standards		During a period of startup, shutdown, or malfunction the permittee shall: [§2103.12.h.6.; §63.310(c)]	Administrative Requirement	Y	C	
V.C.6.d.1	Work Practice Standards		Operate the battery (including associated air pollution control equipment) in accordance with the procedure specified in the startup, shutdown, and malfunction plan; and	Record Review	Y	C	
V.C.6.d.2	Work Practice Standards		Correct malfunctions as soon as practicable after their occurrence, in accordance with the plan.	Record Review	Y	C	
V.C.6.e	Work Practice Standards		In order for the provisions of Condition V.C.6.j below to apply with respect to the observation (or set of observations) for a particular day, notification of a startup, shutdown, or a malfunction shall be made by the permittee: [§2103.12.h.6.; §63.310(d)]	Administrative Requirement	Y	C	
V.C.6.e.1	Work Practice Standards		If practicable, to the certified observer if the observer is at the facility during the occurrence; or		Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.C.6.e.2	Work Practice Standards		To the Department, in writing, within 24 hours of the occurrence first being documented by a company employee, and if the notification under Condition V.C.6.e.1) above was not made, an explanation of why no such notification was made.	Record Review	Y	C	
V.C.6.f	Work Practice Standards		Within 14 days of the notification made under Condition V.C.6.e above, or after a startup or shutdown, the permittee shall submit a written report to the Department that: [§2103.12.h.6.; §63.310(e)]	Administrative Requirement	Y	C	
V.C.6.f.1	Work Practice Standards		Describes the time and circumstances of the startup, shutdown, or malfunction; and	Record Review	Y	C	
V.C.6.f.2	Work Practice Standards		Describes actions taken that might be considered inconsistent with the startup, shutdown, or malfunction plan.	Record Review	Y	C	
V.C.6.g	Work Practice Standards		The permittee shall maintain a record of internal reports which form the basis of each malfunction notification under Condition V.C.6.e above. [§2103.12.h.6.; §63.310(f)]	Record Review	Y	C	
V.C.6.h	Work Practice Standards		To satisfy the requirements of §63.310 to develop a startup, shutdown, and malfunction plan, the permittee may use the standard operating procedures manual for the battery, provided the manual meets all the requirements §63.310 and is made available for inspection at reasonable times when requested by the Department. [§2103.12.h.6; §63.310(a)]	Record Review	Y	C	
V.C.6.i	Work Practice Standards		The Department may require reasonable revisions to a startup, shutdown, and malfunction plan, if the Department finds that the plan: [§2103.12.h.6.; §63.310(h)]	Administrative Requirement	Y	C	
V.C.6.i.1	Work Practice Standards		Does not address a startup, shutdown, or malfunction event that has occurred;	Record Review	Y	C	
V.C.6.i.2	Work Practice Standards		Fails to provide for the operation of the source (including associated air pollution control equipment) during a startup, shutdown, or malfunction event in a manner consistent with good air pollution control practices for minimizing emissions; or	Record Review	Y	C	
V.C.6.i.3	Work Practice Standards		Does not provide adequate procedures for correcting malfunctioning process and/or air pollution control equipment as quickly as practicable.	Record Review	Y	C	
V.C.6.j	Work Practice Standards		If the permittee demonstrates to the satisfaction of the Department that a startup, shutdown, or malfunction has occurred, then an observation occurring during such startup, shutdown, or malfunction shall not: [§2103.12.h.6; §63.310(i)]	Administrative Requirement	Y	C	
V.C.6.j.1	Work Practice Standards		Constitute a violation of relevant requirements of 40 CFR 63, Subpart L;	Record Review	Y	C	
V.C.6.j.2	Work Practice Standards		Be used in any compliance determination under§63.309; or	Record Review	Y	C	
V.C.6.j.3	Work Practice Standards		Be considered for purposes of Condition IV.27 above, until the Department has resolved the claim that a startup, shutdown, or malfunction has occurred. If the Department determines that a startup, shutdown, or malfunction has not occurred, such observations may be used for purposes of Conditions IV.27 above, regardless of whether the permittee further contests such determination. The permittee's receipt of written notification from the Department that a startup, shutdown, or malfunction has not occurred will serve, where applicable under Conditions IV.27 above, as written notification from the certified observer that an exceedance has occurred.	Record Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.C.6.k	Work Practice Standards		The permittee shall prepare and operate at all times according to a written work practice plan for soaking. Each plan must include measures and procedures to: [§2103.12.h.6; §63.7294(a)]	Record Review	Y	C	
V.C.6.k.1	Work Practice Standards		Train topside workers to identify soaking emissions that require corrective actions.	Record Review	Y	C	
V.C.6.k.2	Work Practice Standards		Damper the oven off the collecting main prior to opening the standpipe cap.	Record Review	Y	C	
V.C.6.k.3	Work Practice Standards		Determine the cause of soaking emissions that do not ignite automatically, including emissions that result from raw coke oven gas leaking from the collecting main through the damper, and emissions that result from incomplete coking.	Record Review	Y	C	
V.C.6.k.4	Work Practice Standards		If soaking emissions are caused by leaks from the collecting main, take corrective actions to eliminate the soaking emissions. Corrective actions may include, but are not limited to, reseating the damper, cleaning the flushing liquor piping, using aspiration, putting the oven back on the collecting main, or igniting the emissions.	Record Review	Y	C	
V.C.6.k.5	Work Practice Standards		If soaking emissions are not caused by leaks from the collecting main, notify a designated responsible party. The responsible party must determine whether the soaking emissions are due to incomplete coking. If incomplete coking is the cause of the soaking emissions, you must put the oven back on the collecting main until it is completely coked or you must ignite the emissions.	Record Review	Y	C	
V.C.6.l	Work Practice Standards		As provided in §63.6(g), the permittee may request to use an alternative to the work practice standard for soaking in Condition V.C.6.k above. [§2103.12.h.6; §63.7294(b)]	Record Review	Y	C	
V.C.6.m	Work Practice Standards		The permittee shall be in compliance with the emission limitations, work practice standards, and operation and maintenance requirements of 40 CFR 63, Subpart CCCCC at all times, except during periods of startup, shutdown, and malfunction as defined in §63.2. [§2103.12.h.6; §63.7310(a)]	Record Review	Y	C	
V.C.7	Work Practice Standards		The definitions in 40 CFR 63.7352 are hereby incorporated into this permit by reference.	Administrative Requirement	Y	C	

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Title V Citation	Category	Regulation	Requirem.	Compliance Method	Y/N	Type C/I	Co. .ents
V.D.1.a	Restrictions	[§2105.21.e, Installation Permit 0052-I008]	The permittee shall not operate, or allow to be operated, Battery 13 or Battery 14 or Battery 15 coke ovens unless there is installed on each battery a pushing emission control device which is designed to reduce fugitive emissions from pushing to the minimum attainable through the use of BACT, nor shall the permittee operate, or allow to be operated Battery 13 or Battery 14 or Battery 15 coke ovens in such manner that:	Engineering Judgement	Y	C	
V.D.1.a.1	Restrictions	(§2105.21.e.1, Installation Permit 0052-I008])	At any time, the particulate mass emission rate from the pushing emission control system device, for Batteries 13, 14, & 15 exceeds a rate determined by an outlet concentration of 0.040 pounds per ton of coke:	Direct Measurement/Records Review	Y	C	
V.D.1.a.2	Restrictions	[§2105.21.e.4. , Installation Permit 0052-I008]	Fugitive pushing emissions or emissions from the pushing emission control system device outlet equal or exceed an opacity of 20% at any time, except if the Department determines in writing, upon written application from the person responsible for the coke ovens setting forth all information needed to make such determination, that such emissions are of only minor significance with respect to causing air pollution and do not prevent or interfere with the attainment or maintenance of any ambient air quality standard (any such determination shall be submitted as a proposed revision to Allegheny County's portion of the SIP).	Physical Inspection/Procedures	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.D.1.b	Restrictions	[§2105.21.e.6]	The permittee shall not operate, or allow to be operated at any time, coke oven batteries in such manner that the hot coke fails to be held under the hood of the pushing emission control device for at least 67 seconds immediately after the pusher ram begins to move and the damper to the PEC device is opened or for at least 15 seconds immediately following the fall of the last of the coke into the hot car, whichever is longer. This provision shall only be effective during the period from 30 days following the issuance of written notice by the Department to the permittee of such battery that EPA has required the implementation of the contingency measures under the portion of the PM-10 SIP for the Liberty Borough/Clairton area, until issuance of a written notice by the Department that such measures are no longer required.	Process Knowledge/ Records Review	Y	C	
V.D.1.c	Restrictions	[§2105.03, Installation Permit 0052-I008]]	The permittee shall not operate, or allow to be operated Battery 13 or Battery 14 or Battery 15, unless the Battery 13, 14, & 15 PEC System baghouse is properly installed, operated and maintained according to the following conditions:	Engineering Judgement	Y	C	
V.D.1.c.1	Restrictions		Emissions due to the pushing of Battery 13, 14, & 15 coke ovens shall be vented through the PEC System baghouse dust collector.	Engineering Judgement	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.D.1.c.2	Restrictions		The baghouse shall be equipped with automatic cleaning controls and instrumentation that shall continuously measure the differential pressure drop across the baghouse to within 5.0% of the measuring span of the device.	Engineering Judgement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
V.D.1.c.3	Restrictions		The normal operating differential pressure drop range across each baghouse module shall be maintained below 10 inches w.c. averaged over the push.	Engineering Judgement	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.D.1.c.4	Restrictions		When the pressure drop goes beyond the range specified in Condition V.D.1.c.3) above, cleaning, maintenance and other corrective actions shall be conducted, as necessary, to return the pressure drop to the specified range.	Process Knowledge	Y	C	
V.D.1.d	Restrictions	[§2103.12.h.6; §63.7290(a)]	The permittee shall not discharge to the atmosphere emissions of particulate matter from a control device applied to pushing emissions from a coke oven battery that exceed 0.02 pound per ton (lb/ton) of coke.	Direct Measurement/ Records Review	Y	C	
V.D.1.e	Restrictions	[§2103.12.h.6; §63.7290(b)(3)]	For each PEC System the permittee shall:	Administrative Requirement	Y	C	
V.D.1.e.1	Restrictions		Maintain the minimum daily average fan motor amperes at 210 or above the minimum level established during the most recent performance test; or	Process Knowledge/ Records Review	Y	C	
V.D.1.e.2	Restrictions		Maintain the daily average volumetric flow rate at the inlet of the control device at or above the minimum level established during the initial performance test.	Process Knowledge/ Records Review	NA	NA	
V.D.1.f	Restrictions	[§2103.12.h.6; §63.7333 (a)]	For each control device applied to pushing emissions and subject to the emission limit in V.D.1.d above, the permittee shall demonstrate continuous compliance by meeting the requirements in Conditions V.D.1.f.1) and V.D.1.f.2) below:	Engineering Judgement	Y	C	
V.D.1.f.1	Restrictions		Maintaining emissions of particulate matter at or below 0.02 pound per ton (lb/ton) of coke; and	Direct Measurement/ Records Review	Y	C	
V.D.1.f.2	Restrictions		Conducting subsequent performance tests to demonstrate continuous compliance no less frequently than once every two years.	Records Review	Y	C	
V.D.1.g	Restrictions	[§2105.03 and Installation Permit 0052-I008]	Battery 13, 14 and 15 PEC System baghouse shall not exceed the limits listed in Table V-D-1 at any time:	Direct Measurement/ Emission Calcs	Y	C	
V.D.1.g	Restrictions		**POLLUTANT LB/TON-COKE HOURLY(lb/hr) ANNUAL(ton/yr)**				
V.D.1.g	Restrictions		PM 0.040 5.80 25.40		Y	C	
V.D.1.g	Restrictions		PM-10 0.040 5.80 25.40		Y	C	
V.D.1.g	Restrictions		A year is defined as any consecutive 12-month period.		Y	C	
V.D.1.h	Restrictions	[§2013.12(h)]	Batteries 13, 14 & 15 compliance with the Coke MACT emission limit in Condition V.D.1.d above, assures compliance with the PM/PM10 emission limit in Condition V.D.1.g above.	Administrative Requirement	Y	C	