



**PERMIT**  
**Under the Environmental Conservation Law (ECL)**

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 9-1464-00113/00035  
Effective Date: 03/05/2014 Expiration Date: 03/04/2024

Permit Issued To: TONAWANDA COKE CORP  
3875 RIVER RD  
TONAWANDA, NY 14150-6507

Contact: CHARLES V LAURICELLA  
3875 RIVER RD  
TONAWANDA, NY 14150  
(716) 876-6222

Facility: TONAWANDA COKE CORP  
3875 RIVER RD  
TONAWANDA, NY 14150

Contact: CHARLES V LAURICELLA  
3875 RIVER RD  
TONAWANDA, NY 14150  
(716) 876-6222

Description:  
Tonawanda Coke Corporation (TCC) is a merchant by-product coke facility whose main product is metallurgical foundry coke. Coke is produced through a destructive distillation process in which coal is heated in ovens in an oxygen deficient atmosphere. The volatile materials in the heated coal are removed from the ovens as coke oven gas.

This Air State Facility permit allows construction of a coke oven battery pushing control system consisting of a coke side shed and a six module bag house. The pushing controls are subject to the requirements of 40CFR63 Subpart CCCCC - National Emission Standards for Hazardous Air Pollutants for Coke Ovens: Pushing, Quenching and Battery Stacks, and 6 NYCRR Part 214.

The pushing controls shall be implemented in accordance with the schedule contained in the permit and must be fully operational by December 31, 2015.





**Notification of Other State Permittee Obligations**

**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

**Item B: Permittee's Contractors to Comply with Permit**

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

**Item C: Permittee Responsible for Obtaining Other Required Permits**

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

**Item D: No Right to Trespass or Interfere with Riparian Rights**

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

- Facility Inspection by the Department
- Relationship of this Permit to Other Department Orders and Determinations
- Applications for permit renewals, modifications and transfers
- Permit modifications, suspensions or revocations by the Department

**Facility Level**

- Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS



**DEC GENERAL CONDITIONS**  
**\*\*\*\* General Provisions \*\*\*\***  
**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

**Condition 1: Facility Inspection by the Department**

**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

**Item 1.2:**

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

**Item 1.3:**

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**

**Applicable State Requirement: ECL 3-0301 (2) (m)**

**Item 2.1:**

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

**Condition 3: Applications for permit renewals, modifications and transfers**

**Applicable State Requirement: 6 NYCRR 621.11**

**Item 3.1:**

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

**Item 3.2:**

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

**Item 3.3:**

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.



**Condition 4: Permit modifications, suspensions or revocations by the Department**  
**Applicable State Requirement: 6 NYCRR 621.13**

**Item 4.1:**

The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

**\*\*\*\* Facility Level \*\*\*\***

**Condition 5: Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS**  
**Applicable State Requirement: 6 NYCRR 621.6 (a)**

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 9 Headquarters  
Division of Environmental Permits  
270 Michigan Avenue  
Buffalo, NY 14203-2915  
(716) 851-7165

**New York State Department of Environmental Conservation**

Permit ID: 9-1464-00113/00035

Facility DEC ID: 9146400113



**Permit Under the Environmental Conservation Law (ECL)**

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY  
PERMIT**

**IDENTIFICATION INFORMATION**

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3875 RIVER RD  
TONAWANDA, NY 14150-6507

Facility: TONAWANDA COKE CORP  
3875 RIVER RD  
TONAWANDA, NY 14150

Authorized Activity By Standard Industrial Classification Code:  
3312 - BLAST FURNACES AND STEEL MILLS

Permit Effective Date: 03/05/2014

Permit Expiration Date: 03/04/2024



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR 211.1: Air pollution prohibited
- 2 6 NYCRR 214.4: Compliance Demonstration
- 3 40CFR 63, Subpart CCCCC: Compliance Demonstration
- 4 40CFR 63.7290(a)(1), Subpart CCCCC: Compliance Demonstration
- 5 40CFR 63.7290(b)(3)(i), Subpart CCCCC: Compliance Demonstration
- 6 40CFR 63.7291, Subpart CCCCC: Fugitive Pushing Emissions
- 7 40CFR 63.7300(a), Subpart CCCCC: Good Air Pollution Control Practices
- 8 40CFR 63.7300(c), Subpart CCCCC: Operation and Maintenance Plan
- 9 40CFR 63.7310, Subpart CCCCC: General Requirements
- 10 40CFR 63.7320(c), Subpart CCCCC: Compliance Demonstration
- 11 40CFR 63.7322(b)(1), Subpart CCCCC: Particulate Matter Test Methods
- 12 40CFR 63.7322(b)(2), Subpart CCCCC: Volume of Gas for Particulate Matter Sample
- 13 40CFR 63.7323(c)(2), Subpart CCCCC: Compliance Demonstration
- 14 40CFR 63.7323(e), Subpart CCCCC: Changing an Operating Limit
- 15 40CFR 63.7326(a)(1), Subpart CCCCC: Compliance Demonstration
- 16 40CFR 63.7326(a)(4)(ii), Subpart CCCCC: Compliance Demonstration
- 17 40CFR 63.7327(a), Subpart CCCCC: Compliance Demonstration
- 18 40CFR 63.7327(f), Subpart CCCCC: Notification of Compliance Status for Work Practices
- 19 40CFR 63.7328, Subpart CCCCC: Initial Compliance for Operation and Maintenance Plans
- 20 40CFR 63.7330(a), Subpart CCCCC: Compliance Demonstration
- 21 40CFR 63.7330(d), Subpart CCCCC: Compliance Demonstration
- 22 40CFR 63.7331(a), Subpart CCCCC: Compliance Demonstration
- 23 40CFR 63.7331(h), Subpart CCCCC: Compliance Demonstration
- 24 40CFR 63.7332, Subpart CCCCC: Compliance Demonstration
- 25 40CFR 63.7333(a), Subpart CCCCC: Compliance Demonstration
- 26 40CFR 63.7333(d)(2), Subpart CCCCC: Compliance Demonstration
- 27 40CFR 63.7334(a), Subpart CCCCC: Compliance Demonstration
- 28 40CFR 63.7335, Subpart CCCCC: Compliance Demonstration
- 29 40CFR 63.7336, Subpart CCCCC: Compliance Demonstration
- 30 40CFR 63.7340(a), Subpart CCCCC: General Provision Notifications
- 31 40CFR 63.7340(c), Subpart CCCCC: Initial Notification for New Sources
- 32 40CFR 63.7340(d), Subpart CCCCC: Intent to Conduct a Performance Test
- 33 40CFR 63.7340(e), Subpart CCCCC: Notification of Compliance Status
- 34 40CFR 63.7341, Subpart CCCCC: Reporting Requirements
- 35 40CFR 63.7342, Subpart CCCCC: Compliance Demonstration
- 36 40CFR 63.7343, Subpart CCCCC: Retention of Records
- 37 40CFR 63.7350, Subpart CCCCC: General Provisions

### STATE ONLY ENFORCEABLE CONDITIONS

#### Facility Level

- 38 ECL 19-0301: Contaminant List
- 39 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 40 6 NYCRR Subpart 201-5: Emission Unit Definition

**New York State Department of Environmental Conservation**

**Permit ID: 9-1464-00113/00035**

**Facility DEC ID: 9146400113**



41 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits

42 6 NYCRR 201-5.3 (c): Compliance Demonstration

43 6 NYCRR 211.2: Visible Emissions Limited

**Emission Unit Level**

44 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit

45 6 NYCRR Subpart 201-5: Process Definition By Emission Unit



**FEDERALLY ENFORCEABLE CONDITIONS**  
**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability**

**Item A: Sealing - 6 NYCRR 200.5**

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

**Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6**

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

**Item C: Maintenance of Equipment - 6 NYCRR 200.7**

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications,



required to operate such device effectively.

**Item D: Unpermitted Emission Sources - 6 NYCRR 201-1.2**

If an existing emission source was subject to the permitting requirements of 6 NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

**Item E: Emergency Defense - 6 NYCRR 201-1.5**

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

- (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
- (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.



(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

**Item F: Recycling and Salvage - 6 NYCRR 201-1.7**

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

**Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6 NYCRR 201-1.8**

No person shall unnecessarily remove, handle, or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

**Item H: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR 201-3.2 (a)**

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Item I: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR 201-3.3 (a)**

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Item J: Required Emission Tests - 6 NYCRR 202-1.1**



An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6 NYCRR Subpart 202-1.

**Item K: Open Fires Prohibitions - 6 NYCRR 215.2**

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

**Item L: Permit Exclusion - ECL 19-0305**

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

**Item M: Federally Enforceable Requirements - 40 CFR 70.6 (b)**

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**FEDERAL APPLICABLE REQUIREMENTS**  
**The following conditions are federally enforceable.**

**Condition 1: Air pollution prohibited**



Effective between the dates of 03/05/2014 and 03/04/2024

Applicable Federal Requirement:6 NYCRR 211.1

**Item 1.1:**

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

**Condition 2: Compliance Demonstration**  
Effective between the dates of 03/05/2014 and 03/04/2024

Applicable Federal Requirement:6 NYCRR 214.4

**Item 2.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL  
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The average opacity of emissions from coke pushing and from any transport of coke to the quench tower must be less than 20 percent opacity, as measured in accordance with the procedures set forth below. If uncontrolled quench cars are used to transport coke from a pushing control device to a quench tower, the average opacity of emissions from the uncontrolled car must not exceed 20 percent when measured by the following method.

Compliance with the 20% opacity standards will be determined by observing and timing any visible emission discharged during the pushing of coke from the oven into the transport car and during the transport of coke to the quench tower. The observer must stand at a distance sufficient to provide a clear view of the pushing and transport operations with the sun oriented in the 140 sector of his back. The opacity of emissions will be computed by averaging the results of 24 consecutive opacity observations made at 15-second intervals. Observations must be made only during the pushing and transport period. A sufficient number of consecutive pushing and transport operations must be observed to accumulate the minimum of 24 consecutive opacity readings.



Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: EPA Method 9  
Monitoring Frequency: WEEKLY  
Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2014.  
Subsequent reports are due every 6 calendar month(s).

**Condition 3: Compliance Demonstration**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63, Subpart CCCCC**

**Item 3.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 3.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Tonawanda Coke Corporation (TCC) shall install, operate, monitor and maintain a capture system and control device to address pushing emissions (Pushing Controls). The Pushing Controls shall be implemented in accordance with the following requirements and schedule:

TCC shall begin construction of the Pushing Controls no later than April 1, 2014.

During the construction and until startup of the system, TCC shall submit bimonthly progress reports to the EPA and NYSDEC.

TCC shall submit a protocol for initial performance testing by August 15, 2015, to be performed in accordance with the requirements of 40 C.F.R. §§ 63.7 and 63.7322.

The Pushing Controls shall be operational by September 15, 2015. TCC shall commence startup/shakedown by no later than September 15, 2015.

By November 1, 2015, TCC shall conduct initial performance testing to demonstrate compliance with the requirements in the Coke Oven MACT, and shall submit the report to the EPA and NYSDEC by no later than December 1, 2015. TCC shall give EPA and NYSDEC at least fourteen (14) Days notice before the commencement of the initial performance testing.



By no later than December 31, 2015, TCC shall commence operation of the Pushing Controls in compliance with the Coke Oven MACT and Part 214.

In addition, all plans, logs, monitoring records and other documentation required to be maintained on-site by either the Coke Oven MACT or Part 214 must be complete, in use, and available for review no later than December 31, 2015.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 4: Compliance Demonstration**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7290(a)(1), Subpart CCCCC**

**Item 4.1:**

The Compliance Demonstration activity will be performed for the facility:  
The Compliance Demonstration applies to:

Emission Unit: U-PUSHC

**Item 4.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator must not discharge to the atmosphere emissions of particulate matter from a control device applied to pushing emissions from a new or existing coke oven battery that exceed 0.01 grain per dry standard cubic foot. A performance test consists of three valid runs and must be conducted according to 40 CFR 63.7322.

TCC shall submit a protocol for initial performance testing by August 15, 2015, to be performed in accordance with the requirements of 40 C.F.R. §§ 63.7 and 63.7322. By November 1, 2015, TCC shall conduct initial performance testing to demonstrate compliance with the requirements in the Coke Oven MACT, and shall submit the report to the EPA and NYSDEC by no later than December 1, 2015. TCC shall give EPA and NYSDEC at least fourteen (14) days notice before the commencement of the initial performance testing.

In order to meet the intent of 40CFR 63.7321, TCC must conduct subsequent performance tests no less frequently than once every 2 1/2 years, based on the last date of



test completion.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.01 grains per dscf

Reference Test Method: EPA RM 1, 2 or 2F or 2G, 3 or 3A or 3B, 4, 5 or 5D

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 5: Compliance Demonstration**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7290(b)(3)(i), Subpart**

CCCCC

**Item 5.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 5.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each capture system applied to pushing emissions that uses an electric motor, the owner or operator must maintain the daily average fan motor amperes at or above the minimum level established during the initial performance test.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 6: Fugitive Pushing Emissions**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7291, Subpart CCCCC**

**Item 6.1:**

The owner or operator must meet each requirement in 40 CFR 63.7291(a)(1) through (7) for each new or existing by-product coke oven battery with vertical flues or may request to use an alternative as provided in 40 CFR 63.6(g).

**Condition 7: Good Air Pollution Control Practices**  
**Effective between the dates of 03/05/2014 and 03/04/2024**



**Applicable Federal Requirement:40CFR 63.7300(a), Subpart CCCCC**

**Item 7.1:**

As required by 40 CFR 63.6(e)(1)(i), the owner or operator must always operate and maintain his/her affected source, including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by this subpart.

**Condition 8: Operation and Maintenance Plan  
Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7300(c), Subpart CCCCC**

**Item 8.1:**

The owner or operator must 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 a new or existing coke oven battery. Each plan must address at a minimum the elements in paragraphs (1) through (3).

(1) 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), the owner operator must complete repairs within 30 days after the date that the defect or deficiency is discovered. If the owner or operator determines that the repairs cannot be completed within 30 days, he/she 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. 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 the owner or operator that it objects to the request. The department 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.

(2) 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.

(3) Corrective action for all baghouses applied to pushing emissions. In the event a bag leak detection system alarm is triggered, the owner or operator 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:

**New York State Department of Environmental Conservation**

Permit ID: 9-1464-00113/00035

Facility DEC ID: 9146400113



- (i) Inspecting the baghouse for air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in emissions.
- (ii) Sealing off defective bags or filter media.
- (iii) Replacing defective bags or filter media or otherwise repairing the control device.
- (iv) Sealing off a defective baghouse compartment.
- (v) Cleaning the bag leak detection system probe, or otherwise repairing the bag leak detection system.
- (vi) Shutting down the process producing the particulate emissions.

**Condition 9: General Requirements**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7310, Subpart CCCCC**

**Item 9.1:**

The owner or operator must be in compliance with the emission limitations, work practice standards, and operation and maintenance requirements in 40 CFR 63 Subpart CCCCC at all times, except during periods of startup, shutdown, and malfunction as defined in 40 CFR 63.2.

During the period between the compliance date specified for the affected source in 40 CFR 63.7283 and the date upon which continuous monitoring systems have been installed and certified and any applicable operating limits have been set, the owner or operator must maintain a log detailing the operation and maintenance of the process and emissions control equipment.

The owner or operator must develop a written startup, shutdown, and malfunction plan according to the provisions in 40 CFR 63.6(e)(3).

**Condition 10: Compliance Demonstration**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7320(c), Subpart CCCCC**

**Item 10.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 10.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each work practice standard and operation and maintenance requirement that applies to the facility, the owner or operator must demonstrate initial compliance by December 31, 2015, as specified in a condition elsewhere in this permit per 40CFR63 Subpart CCCCC.



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 11: Particulate Matter Test Methods**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7322(b)(1), Subpart CCCCC**

**Item 11.1:**

To determine compliance with the emission limit for particulate matter from a control device applied to pushing emissions where a cokeside shed is the capture system, follow the test methods and procedures in 40 CFR 63.7322(b)(1) and then (2).

(1) Determine the concentration of particulate matter according to the following test methods in appendix A to 40 CFR part 60.

(i) 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.

(ii) Method 2, 2F, or 2G to determine the volumetric flow rate of the stack gas.

(iii) Method 3, 3A, or 3B to determine the dry molecular weight of the stack gas.

(iv) Method 4 to determine the moisture content of the stack gas.

(v) Method 5 or 5D, as applicable, to determine the concentration of front half particulate matter in the stack gas.

**Condition 12: Volume of Gas for Particulate Matter Sample**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7322(b)(2), Subpart CCCCC**

**Item 12.1:**

To determine compliance with the emission limit for particulate matter from a control device applied to pushing emissions where a cokeside shed is the capture system, follow the test methods and procedures in 40 CFR 63.7322 first in (b)(1) and for (2) below:

(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 30 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).

**Condition 13: Compliance Demonstration**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7323(c)(2), Subpart CCCCC**



**Item 13.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 13.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For a capture system applied to pushing emissions from a coke oven battery, the owner or operator must establish a site-specific operating limit according to the following procedures:

An owner or operator that elects to comply with the operating limit in 40 CFR 63.7290(b)(3)(i) for fan motor amperes must measure and record the fan motor amperes during each push sampled for each particulate matter test run. His/her operating limit is the lowest fan motor amperes recorded during any of the three runs that meet the emission limit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 14: Changing an Operating Limit**

**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7323(e), Subpart CCCCC**

**Item 14.1:**

The owner or operator may change the operating limit for a venturi scrubber, capture system, or mobile control device that captures emissions during pushing if he/she meets the requirements in the following paragraphs:

(1) Submit a written notification to the Administrator of the owner's or operator's request to conduct a new performance test to revise the operating limit.

(2) Conduct a performance test to demonstrate that emissions of particulate matter from the control device do not exceed the applicable limit in 40 CFR 63.7290(a).

(3) Establish revised operating limits according to the applicable procedures in 40 CFR 63.7323(a) through (d).

**Condition 15: Compliance Demonstration**

**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7326(a)(1), Subpart CCCCC**

**Item 15.1:**

**New York State Department of Environmental Conservation**

Permit ID: 9-1464-00113/00035

Facility DEC ID: 9146400113



The Compliance Demonstration activity will be performed for the Facility.

**Item 15.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each coke oven battery subject to the emission limit for particulate matter from a control device applied to pushing emissions, the owner or operator has demonstrated initial compliance if he/she meets the following requirement:

The concentration of particulate matter, measured in accordance with the performance test procedures in 40 CFR 63.7322(b)(1) and (2), did not exceed 0.01 gr/dscf for a control device where a cokeside shed is used to capture pushing emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 16: Compliance Demonstration**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7326(a)(4)(ii), Subpart CCCCC**

**Item 16.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 16.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each coke oven battery subject to the emission limit for particulate matter from a control device applied to pushing emissions, the owner or operator has demonstrated initial compliance if he/she meets the following requirements:

For each capture system applied to pushing emissions, the owner or operator has established an appropriate site-specific operating limit, and he/she has a record of the fan motor amperes during the performance test in accordance with 40 CFR 63.7323(c)(2).

**New York State Department of Environmental Conservation**

Permit ID: 9-1464-00113/00035

Facility DEC ID: 9146400113



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 17: Compliance Demonstration**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7327(a), Subpart CCCCC**

**Item 17.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 17.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each by-product coke oven battery with vertical flues subject to the work practice standards for fugitive pushing emissions in 40 CFR 63.7291(a), the owner or operator has demonstrated initial compliance if he/she certifies in his/her notification of compliance status that he/she will meet each of the work practice requirements by December 31, 2015, as specified in a condition elsewhere in this permit per 40CFR63 Subpart CCCCC.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 18: Notification of Compliance Status for Work Practices**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7327(f), Subpart CCCCC**

**Item 18.1:**

For each work practice standard that applies to the facility, the owner or operator must submit a notification of compliance status according to the requirements in 40 CFR 63.7340(e)(1).

**Condition 19: Initial Compliance for Operation and Maintenance Plans**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7328, Subpart CCCCC**

**Item 19.1:**

The owner or operator has demonstrated initial compliance if he/she certifies in his/her notification of compliance status that he/she has met the requirements of following paragraphs:



(a) The owner or operator has prepared the operation and maintenance plans according to the requirements in 40 CFR 63.7300(b) and (c);

(b) The owner or operator will operate each by-product coke oven battery and each capture system and control device applied to pushing emissions from a coke oven battery according to the procedures in the plans beginning no later than the compliance date that is specified in 40 CFR 63.7283;

(c) The owner or operator has prepared a site-specific monitoring plan according to the requirements in 40 CFR 63.7331(b); and

(d) The owner or operator submits a notification of compliance status according to the requirements in 40 CFR 63.7340(e).

**Condition 20: Compliance Demonstration**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7330(a), Subpart CCCCC**

**Item 20.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 20.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each baghouse applied to pushing emissions from a coke oven battery, the owner or operator must at all times monitor the relative change in particulate matter loadings using a bag leak detection system according to the requirements in 40 CFR 63.7331(a) and conduct inspections at their specified frequency according to the requirements in paragraphs (1) through (8).

(1) Monitor the pressure drop across each baghouse cell each day to ensure pressure drop is within the normal operating range identified in the manual;

(2) Confirm that dust is being removed from hoppers through weekly visual inspections or equivalent means of ensuring the proper functioning of removal mechanisms;

(3) Check the compressed air supply for pulse-jet baghouses each day;

(4) Monitor cleaning cycles to ensure proper operation using an appropriate methodology;

(5) Check bag cleaning mechanisms for proper functioning through monthly visual inspection or equivalent means;



(6) Make monthly visual checks of bag tension on reverse air and shaker-type baghouses to ensure that bags are not kinked (knead or bent) or laying on their sides. The owner or operator does not have to make this check for shaker-type baghouses using self-tensioning (spring-loaded) devices;

(7) Confirm the physical integrity of the baghouse through quarterly visual inspections of the baghouse interior for air leaks; and

(8) Inspect fans for wear, material buildup, and corrosion through quarterly visual inspections, vibration detectors, or equivalent means.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 21: Compliance Demonstration**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7330(d), Subpart CCCCC**

**Item 21.1:**  
The Compliance Demonstration activity will be performed for the Facility.

**Item 21.2:**  
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each capture system applied to pushing emissions, the owner or operator must at all times monitor the fan motor amperes according to the requirements in 40 CFR 63.7331(h).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).



**Condition 22: Compliance Demonstration**  
Effective between the dates of 03/05/2014 and 03/04/2024

**Applicable Federal Requirement: 40CFR 63.7331(a), Subpart CCCCC**

**Item 22.1:**  
The Compliance Demonstration activity will be performed for the Facility.

**Item 22.2:**  
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

For each baghouse applied to pushing emissions, the owner or operator must install, operate, and maintain each bag leak detection system according to the requirements in following paragraphs:

- (1) 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;
- (2) The system must provide output of relative changes in particulate matter loadings;
- (3) 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;
- (4) 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). The owner or operator may install, operate, and maintain other types of bag leak detection systems in a manner consistent with the manufacturer's written specifications and recommendations;
- (5) 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;
- (6) Following the initial adjustment, do not adjust the sensitivity or range, averaging period, alarm set points, or alarm delay time, except as detailed in his/her 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

(7) Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 23: Compliance Demonstration**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7331(h), Subpart CCCCC**

**Item 23.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 23.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An owner or operator that elects the operating limit in 40 CFR 63.7290(b)(3)(i) for a capture system applied to pushing emissions, must install, operate, and maintain a device to measure the fan motor amperes.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 24: Compliance Demonstration**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7332, Subpart CCCCC**

**Item 24.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 24.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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 owner or operator must monitor continuously (or collect data at all required intervals) at all times the affected source is operating.

The owner or operator may 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. He/she must 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.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**Condition 25: Compliance Demonstration**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement: 40CFR 63.7333(a), Subpart CCCCC**

**Item 25.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 25.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each control device applied to pushing emissions and subject to the emission limit in 40 CFR 63.7290(a), the owner or operator must demonstrate continuous compliance by meeting the requirements in paragraphs (1) and (2):

(1) Maintaining emissions of particulate matter at or below the applicable limits in paragraphs 40 CFR 63.7290(a)(1) through (4); and

(2) Conducting subsequent performance tests to demonstrate continuous compliance as specified in a condition elsewhere in this permit per 40CFR 63.7290(a)(1).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



DESCRIPTION  
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 26: Compliance Demonstration**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7333(d)(2), Subpart CCCCC**

**Item 26.1:**  
The Compliance Demonstration activity will be performed for the Facility.

**Item 26.2:**  
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

For each capture system applied to pushing emissions and subject to the operating limit in 40 CFR 63.7290(b)(3), the owner or operator must demonstrate continuous compliance by meeting the following requirements:

(i) Maintaining the daily average fan motor amperages at or above the minimum level established during the initial or subsequent performance test; and

(ii) Checking the fan motor amperage 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.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2014.  
Subsequent reports are due every 6 calendar month(s).

**Condition 27: Compliance Demonstration**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7334(a), Subpart CCCCC**

**Item 27.1:**  
The Compliance Demonstration activity will be performed for the Facility.

**Item 27.2:**  
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

For each by-product coke oven battery with vertical flues subject to the work practice standards for fugitive pushing emissions in 40 CFR 63.7291(a), the owner or operator must demonstrate continuous compliance according



to the requirements of following paragraphs:

(1) Observe and record the opacity of fugitive emissions for four consecutive pushes per operating day, except the owner or operator may make fewer or non-consecutive observations as permitted by 40 CFR 63.7291(a)(3). 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 40 CFR 63.7291(a)(4).

(2) 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 (1) through (8) of this section (63.7334 (a)).

(3) 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 he/she has an approved alternative procedure under paragraph (7).

(4) 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 40 CFR 63.6(h)(5)(ii)(B) for obtaining at least 3 hours of observations (thirty 6-minute averages) to demonstrate initial compliance does not apply.

(5) 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.

(6) 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.

(i) For a battery without a cokeside shed, 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. 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.

(ii) For a battery with a cokeside shed, the observer must be in a position that provides an unobstructed view and avoids interferences from the topside of the battery. Typical interferences to avoid include emissions from open standpipes and charging. Observations must include any fugitive emissions that escape from the top of the shed, from the ends of the shed, or from the area where the shed is joined to the battery. If the observer does not have a clear view to identify when a push starts or ends, a second person can be positioned to signal the start or end of the push and notify the observer when to start or end the observations. Radio communications with other plant personnel (e.g., pushing ram operator or quench car operator) may also serve to notify the observer of the start or end of a push. Record the oven number of any push not observed because of obstructions or interferences.

(iii) The owner or operator may reposition after the push to observe emissions during travel if necessary.

(7) If it is infeasible to implement the procedures in paragraphs (1) through (6) for an oven due to physical obstructions, nighttime pushes, or other reasons, the owner or operator may apply to his/her 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 paragraphs (1) through (6), 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.

(8) For each oven observed that exceeds an opacity of 30 percent for any short battery or 35 percent for any tall battery, the owner or operator must take corrective action and/or increase the coking time in accordance with 40 CFR 63.7291(a). Maintain records documenting conformance with the requirements in 40 CFR 63.7291(a).

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



Reports due 30 days after the reporting period.  
The initial report is due 7/30/2014.  
Subsequent reports are due every 6 calendar month(s).

**Condition 28: Compliance Demonstration**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement: 40CFR 63.7335, Subpart CCCCC**

**Item 28.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 28.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For the owner/operator to demonstrate continuous compliance, he/she must do the following:

(a) For each by-product coke oven battery, the owner or operator must demonstrate continuous compliance with the operation and maintenance requirements in 40 CFR 63.7300(b) by adhering at all times to the plan requirements and recording all information needed to document conformance.

(b) For each coke oven battery with a capture system or control device applied to pushing emissions, the owner or operator must demonstrate continuous compliance with the operation and maintenance requirements in 40 CFR 63.7300(c) by meeting the requirements of paragraphs (1) through (3):

(1) Making monthly inspections of capture systems according to 40 CFR 63.7300(c)(1) and recording all information needed to document conformance with these requirements;

(2) Performing preventative maintenance for each control device according to 40 CFR 63.7300(c)(2) and recording all information needed to document conformance with these requirements; and

(3) Initiating and completing corrective action for a bag leak detection system alarm according to 40 CFR 63.7300(c)(3) 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 the owner or operator initiated corrective action, the corrective action(s) taken, and the date on which



corrective action is completed.

(c) To demonstrate continuous compliance with the operation and maintenance requirements for a baghouse applied to pushing emissions from a coke oven battery in 40 CFR 63.7331(a), the owner or operator must inspect and maintain each baghouse according to the requirements in 40 CFR 63.7331(a)(1) through (8) and record all information needed to document conformance with these requirements. If the owner or operator increases or decreases the sensitivity of the bag leak detection system beyond the limits specified in 40 CFR 63.7331(a)(6), he/she must include a copy of the required written certification by a responsible official in the next semiannual compliance report.

(d) The owner or operator must maintain a current copy of the operation and maintenance plans required in 40 CFR 63.7300(b) and (c) onsite and available for inspection upon request. He/she must keep the plans for the life of the affected source or until the affected source is no longer subject to the requirements of subpart CCCCC.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2014.  
Subsequent reports are due every 6 calendar month(s).

**Condition 29: Compliance Demonstration**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7336, Subpart CCCCC**

**Item 29.1:**  
The Compliance Demonstration activity will be performed for the Facility.

**Item 29.2:**  
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

The owner/operator must report each instance in which he/she did not meet each emission limitation in 40 CFR 63 Subpart CCCCC that applies to the facility. This includes periods of startup, shutdown, and malfunction. The owner or operator must also report each instance in which he/she did not meet each work practice standard or operation and maintenance requirement in Subpart CCCCC that applies to the facility. These instances are deviations from the emission limitations (including operating limits), work practice standards, and operation and maintenance requirements in this subpart. These deviations must be



reported according to the requirements in 40 CFR 63.7341.

Consistent with 40 CFR 63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if the owner or operator demonstrates to the Administrator's satisfaction that he/she was operating in accordance with 40 CFR 63.6(e)(1). The Administrator will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in 40 CFR 63.6(e).

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2014.  
Subsequent reports are due every 6 calendar month(s).

**Condition 30: General Provision Notifications**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7340(a), Subpart CCCCC**

**Item 30.1:**

The owner or operator must submit all of the notifications in 40 CFR 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 his/her facility by the specified dates.

**Condition 31: Initial Notification for New Sources**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7340(c), Subpart CCCCC**

**Item 31.1:**

As specified in 40 CFR 63.9(b)(3), if the owner or operator startups his/her new affected source on or after April 14, 2003, he/she must submit the initial notification no later than 120 calendar days after the facility becomes subject to subpart CCCCC.

**Condition 32: Intent to Conduct a Performance Test**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7340(d), Subpart CCCCC**

**Item 32.1:**

An owner or operator required to conduct a performance test must 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 40 CFR 63.7(b)(1).

**Condition 33: Notification of Compliance Status**



**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7340(e), Subpart CCCCC**

**Item 33.1:**

An owner or operator required to conduct a performance test, opacity observation, or other initial compliance demonstration must submit a notification of compliance status according to 40 CFR 63.9(h)(2)(ii).

(1) For each initial compliance demonstration that does not include a performance test, the owner or operator must submit the notification of compliance status before the close of business on the 30th calendar day following the completion of the initial compliance demonstration.

(2) For each initial compliance demonstration that does include a performance test, the owner or operator must submit the notification of compliance status, including the performance test results, before the close of business on the 60th calendar day following completion of the performance test according to 40 CFR 63.10(d)(2).

**Condition 34: Reporting Requirements**

**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7341, Subpart CCCCC**

**Item 34.1:**

Compliance report due dates. Unless the Administrator has approved a different schedule, the owner or operator must submit quarterly compliance reports for battery stacks and semiannual compliance reports for all other affected sources to his/her permitting authority according to the requirements in 40 CFR 63.7341(a)(1) through (4).

Quarterly compliance report contents. Each quarterly report must provide information on compliance with the emission limitations for battery stacks in 40 CFR 63.7296. The reports must include the information in 40 CFR 63.7341(c)(1) through (3), and as applicable, 40 CFR 63.7341(c)(4) through (8).

Semiannual compliance report contents. Each 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 40 CFR 63.7341(c)(1) through (3), and as applicable, 40 CFR 63.7341(c)(4) through (8).

Immediate startup, shutdown, and malfunction report. If the owner or operator has a startup, shutdown, or malfunction during the semiannual reporting period that was not consistent with his/her startup, shutdown, and malfunction plan, he/she must submit an immediate startup, shutdown, and malfunction report according to the requirements in 40 CFR 63.10(d)(5)(ii).

Part 70 monitoring report. If the owner or operator has obtained a title V operating permit for an affected source pursuant to 40 CFR part 70 or 40 CFR part 71, he/she must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If the owner or operator submits a compliance report for an affected source along with, or as part of, the semiannual monitoring report required

**New York State Department of Environmental Conservation**

Permit ID: 9-1464-00113/00035

Facility DEC ID: 9146400113



by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(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 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 the owner or operator may have to report deviations from permit requirements to the owner's or operator's permitting authority.

**Condition 35: Compliance Demonstration**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7342, Subpart CCCCC**

**Item 35.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 35.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must keep the records specified in the following paragraphs:

(1) A copy of each notification and report that he/she submitted to comply with subpart CCCCC, including all documentation supporting any initial notification or notification of compliance status that he/she submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv).

(2) The records in 40 CFR 63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.

(3) Records of performance tests, performance evaluations, and opacity observations as required in 40 CFR 63.10(b)(2)(viii).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 36: Retention of Records**  
**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7343, Subpart CCCCC**

**Item 36.1:**

The owner or operator must keep his/her records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1).

**New York State Department of Environmental Conservation**

**Permit ID: 9-1464-00113/00035**

**Facility DEC ID: 9146400113**



As specified in 40 CFR 63.10(b)(1), the owner or operator must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

The owner or operator must 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 40 CFR 63.10(b)(1). He/she can keep the records offsite for the remaining 3 years.

**Condition 37: General Provisions**

**Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable Federal Requirement:40CFR 63.7350, Subpart CCCCC**

**Item 37.1:**

Table 1 to 40 CFR 63 Subpart CCCCC shows which parts of the General Provisions in 40 CFR 63.1 through 63.15 apply to an affected facility.



**STATE ONLY ENFORCEABLE CONDITIONS**  
**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability**

**Item A: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)**

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

**Item B: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**STATE ONLY APPLICABLE REQUIREMENTS**

**The following conditions are state only enforceable.**

**Condition 38: Contaminant List**  
**Effective between the dates of 03/05/2014 and 03/04/2024**



**Applicable State Requirement:ECL 19-0301**

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

No contaminants.

**Condition 39: Malfunctions and start-up/shutdown activities  
Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable State Requirement:6 NYCRR 201-1.4**

**Item 39.1:**

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

**Condition 40: Emission Unit Definition  
Effective between the dates of 03/05/2014 and 03/04/2024**



**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 40.1:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-PUSHC

Emission Unit Description:

This unit consists of a battery coke side shed which captures coke oven pushing emissions, and an associated six module bag house which controls the pushing emissions.

Building(s): CKE BATTERY

**Condition 41: Renewal deadlines for state facility permits  
Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable State Requirement:6 NYCRR 201-5.2 (c)**

**Item 41.1:**

The owner or operator of a facility having an issued state facility permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

**Condition 42: Compliance Demonstration  
Effective between the dates of 03/05/2014 and 03/04/2024**

**Applicable State Requirement:6 NYCRR 201-5.3 (c)**

**Item 42.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 42.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any reports or submissions required by this permit shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at the following address:

Division of Air Resources  
NYS Dept. of Environmental Conservation  
Region 9  
270 Michigan Ave.  
Buffalo, NY 14203

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

Subsequent reports are due every 6 calendar month(s).

**New York State Department of Environmental Conservation**

Permit ID: 9-1464-00113/00035

Facility DEC ID: 9146400113



**Condition 43: Visible Emissions Limited**  
Effective between the dates of 03/05/2014 and 03/04/2024

**Applicable State Requirement:6 NYCRR 211.2**

**Item 43.1:**

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

**\*\*\*\* Emission Unit Level \*\*\*\***

**Condition 44: Emission Point Definition By Emission Unit**  
Effective between the dates of 03/05/2014 and 03/04/2024

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 44.1:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-PUSHC

Emission Point: BAGH2

Height (ft.): 56

Diameter (in.): 84

NYTMN (km.): 4766.486

NYTME (km.): 179.791

Emission Point: PUSH2

Height (ft.): 10

Length (in.): 480

Width (in.): 96

NYTMN (km.): 4766.511

NYTME (km.): 179.832

**Condition 45: Process Definition By Emission Unit**  
Effective between the dates of 03/05/2014 and 03/04/2024

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 45.1:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-PUSHC

Process: A34

Source Classification Code: 3-03-003-03

Process Description:

This process involves the capture of coke oven battery pushing emissions in a coke side shed (source 00038) and control in a 6 module baghouse (source 00039)

Emission Source/Control: 00038 - Control

Control Type: PROCESS ENCLOSED (ENCLOSURE)



Emission Source/Control: 00039 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 000BS - Process

