



New York State Department of Environmental Conservation

ID: 9146400113

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

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 9-1464-00113/00031
Effective Date: 04/30/2007 Expiration Date: 05/01/2007

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

Contact: MARK L. KAMHOLZ
WANDA COKE CORPORATION
3875 RIVER ROAD
TONAWANDA, NY 14150
(716) 876-6222

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

Contact: MARK L. KAMHOLZ
WANDA COKE CORPORATION
3875 RIVER ROAD
TONAWANDA, NY 14150
(716) 876-6222

Description:

Tonawanda Coke Corporation is a merchant by-product coke facility whose main product is metallurgical foundry coke. The facility is located at 3875 River Road in Tonawanda, New York, a marginal ozone non attainment area. 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. The coke oven gas is processed to remove desired by-products, then the gas is combusted in boilers to produce steam for the facility and in the coke ovens to heat the coal. In addition to foundry coke, Tonawanda Coke also produces and sells the cokemaking by-products coal tar and light oil. Light oil is an industry name for an oil-like substance which is mainly composed of benzene, toluene, and xylenes.

The Tonawanda Coke facility emits nitrogen oxides and sulfur dioxide at levels above the major source thresholds of 100 tons per year. Therefore, the facility requires this Title V operating permit.

This Title V facility permit for Tonawanda Coke contains all of the air emission sources at the facility organized as emission units. Each of the emission units contains emission sources with similar air pollution control requirements. All applicable air pollution control requirements are listed in this permit along with the appropriate monitoring, record keeping and reporting necessary to determine the compliance status of the facility. A general discussion of the Title V permit requirements follows.

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el requirements -

All of the permit requirements that apply to the entire facility are included in the facility section of the permit. These include all of the generally applicable air pollution control requirements that are part of every Title V facility permit issued in New York. Of specific note are conditions under 6 NYCRR Parts 202-2 and 201-6 that specify the submission of an annual facility emission statement, and annual and semi-annual compliance monitoring reports.

n Unit U-00001 -

This emission unit includes the facility boilers. Three boilers are used at various times at the facility. All three boilers are capable of burning either natural gas or coke oven gas. These boilers are subject to the opacity requirements of 6 NYCRR Part 227-1 and the NO_x RACT requirements of 6 NYCRR Part 227-2. Included in this permit are monitoring and reporting requirements to assure these regulations.

During review of Tonawanda Coke's Title V permit application, an alleged violation of 6 NYCRR Part 227-2 was identified. Specifically, Boiler #7 (emission source 00001) was found to not have complied with the NO_x RACT requirements for mid size boilers. As a separate but concurrent action, the Department is initiating an enforcement action against Tonawanda Coke to address this violation. This Title V permit includes a compliance schedule that Tonawanda Coke must follow until the Department enforcement action is completed.

Unit U-ACBLD -

This emission unit includes the processes that steam strip ammonia from the ammonia liquor that is removed as a waste contaminant from the raw coke oven gas collected in the coke battery. The remaining clean water is discharged to the local municipal sewage treatment facility. The ammonia emissions are regulated as a New York State only requirement under 6 NYCRR Part 212 because ammonia is not a Federally regulated contaminant. The emission limitations are included in the state enforceable only section of this Title V permit and as such will not be federally enforceable.

nit U-BPROD -

This emission unit includes the processes that recover by-products from the coke oven gas. By-products recovered for sale by Tonawanda Coke are coal tar and light oil. Processes in this emission unit are subject to the requirements of 40 CFR 61, Subpart L - National Emission Standard for Benzene Emissions from Coke by-product Recovery Plants and 40 CFR 61, Subpart V - National Emission Standard for Equipment Leaks. This Title V permit includes the requirements of these regulations as they pertain to Tonawanda Coke. The regulations require that Tonawanda Coke conduct a leak detection and repair program for all equipment that has the potential to emit benzene.

nit U-COALM -

0 This emission unit includes all of the coal handling equipment used to prepare the coal for charging into the ovens. Up to seven different coals are taken from the coal storage piles and placed into bins where they are released to a controlled feed system that conveys the coals to a pulverizer unit. The



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pulverized mixed coal blend is sent to coke oven bunkers to be charged into the ovens. The coal handling operations are subject to the requirements of 6 NYCRR Part 212.6 (a) for the opacity of particulate emissions. As a requirement of this permit, Tonawanda Coke must perform daily observations of all emission sources in this emission unit. If visible emissions are identified, corrective action is required. In addition, records of all observations must be maintained and semi-annual compliance reports must be

o the Department.

Unit U-COKEB -

This emission unit includes all of the equipment for the operation coke oven battery itself. Operations include coal charging, coke pushing, coke quenching, and battery heating. The coke battery is subject to the requirements of 6 NYCRR Part 214 and 40 CFR 63, Subpart L - National Emission Standards for Coke Oven Batteries. This Title V permit includes the requirements of these regulations as they pertain to Tonawanda Coke. Items regulated include equipment leaks, visible emissions from charging and pushing operations, coke oven gas sulfur content, and battery stack visible emissions. This Title V permit includes the necessary monitoring record keeping and reporting requirements to determine compliance with these regulations. Compliance with the majority of the coke oven battery requirements is determined by an independent third party inspector that performs daily inspections at the coke oven battery. This is a requirement of 40 CFR 63, Subpart L. Tonawanda Coke received a permit from the Department on December 4, 2000 that approved an alternate standard for the sulfur content of coke oven gas and allowed for the shut down of the actifier unit, which removed hydrogen sulfide from the coke oven gas that was subsequently vented directly to the atmosphere. This permit resulted in a decrease in the impacts of the facility on the surrounding area. The approval of this alternate emission limit by New York State has been submitted to and must be approved by the Federal EPA as a SIP revision. Should EPA deny this SIP revision, this Title V permit will be reopened by the Department for appropriate modifications.

Unit U-COKES -

This emission unit includes all of the coke handling equipment at the facility. Cooled coke is conveyed to the screening station where screens of various dimensions are arranged on shakers that product a specified coke size distribution designated by the end user. The coke handling operations are subject to the requirements of 6 NYCRR Part 212.6 (a) for the opacity of particulate emissions. As a requirement of this permit, Tonawanda Coke must perform daily observations of all emission sources in this emission unit. If visible emissions are identified, corrective action is required. In addition, records of all observations must be maintained and semi-annual compliance reports must be submitted to the Department.

Unit U-LOSTG -

This emission unit includes the light oil storage tank. Light oil is stored in this tank until sufficient quantities are collected for off site transportation. Emissions from this unit are insignificant, therefore, no specific federally enforceable regulatory requirements apply with the exception of a general requirement that Tonawanda coke must maintain records indicating that emissions from this unit remain at insignificant levels. Emissions of benzene are regulated as a New York State only requirement under 6 NYCRR Part 212. The emission limitations are included in the state enforceable only section of this Title V permit and as such will not be federally enforceable

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Unit U-SURGT -

This emission unit consists of the weak ammonia liquor surge tank. The tank receives excess flushing liquor from the coal tar removal system. The unit operates with a condensate seal in the vent and in a near steady level operational state. Emissions from this unit are insignificant, therefore, no specific federally enforceable regulatory requirements apply with the exception of a general requirement that Tonawanda coke must maintain records indicating that emissions from this unit remain at insignificant levels.

Unit U-WLSTG -

This emission unit includes three weak ammonia liquor storage tanks. These tanks store the weak liquor until it is treated in emission unit U-ACBLD. Emissions from this unit are insignificant, therefore, no specific federally enforceable regulatory requirements apply with the exception of a general requirement that Tonawanda coke must maintain records indicating that emissions from this unit remain significant levels.

Unit U-WOSTG -

This emission unit consists of the virgin wash oil storage tank. Wash oil is used in emission unit U-BPROD to remove light oil from the coke oven gas stream. Emissions from this unit are insignificant, therefore, no specific federally enforceable regulatory requirements apply with the exception of a general requirement that Tonawanda coke must maintain records indicating that emissions from this unit remain significant levels.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions of this permit.

Permit Administrator: DAVID S. DENK
 270 MICHIGAN AVE
 BUFFALO, NY 14203-2999

Authorized Signature: _____ Date: ____ / ____ / ____



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 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 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

n not a party to the permit.



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Applications for Permit Renewals and Modifications

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Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal -REGION 9
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DEC GENERAL CONDITIONS

****** General Provisions ******

n0 For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions

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 and Modifications
Applicable State Requirement: 6NYCRR 621.13(a)

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.

Condition 4: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13



Item 4.1:

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 4.2:

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 4.3:

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 5: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 5.1:

The Department reserves the right 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.

Condition 6: Permit Modifications, Suspensions, and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 6.1:

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for modification, suspension or revocation include:

- a) the scope of the permitted activity described in the application is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

Condition 7: Permit Modifications, Suspensions, and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

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Item 7.1:

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for modification, suspension or revocation include:

- a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

****** Facility Level ******

**Condition 8: Submission of Applications for Permit Modification or Renewal -REGION 9
HEADQUARTERS**
Applicable State Requirement: 6NYCRR 621.5(a)

Item 8.1:

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 14203-2999
(716) 851-7165

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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

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TONAWANDA, NY 14150-6507

Contact: MARK L. KAMHOLZ

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(716) 876-6222

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

Date: 04/30/2002

Permit Expiration Date: 05/01/2007



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****** Facility Level ******

Condition 1: Sealing
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 6NYCRR 200.5

Item 1.1:

(a) 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 labelling 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 with such source.

(b) 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.

(c) Unless authorized by the commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section

Acceptable ambient air quality

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 6NYCRR 200.6

Item 2.1:

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.

Maintenance of equipment

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 6NYCRR 200.7

Item 3.1:

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.



Unpermitted Emission Sources

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 201-1.2

Item 4.1:

If an existing emission source was subject to the permitting requirements of 6NYCRR 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.

Condition 5: Emergency Defense

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 201-1.5

Item 5.1:

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 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 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.



Condition 6: Recycling and Salvage
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 6.1:

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.

Condition 7: Prohibition of Reintroduction of Collected Contaminants to the Air
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 7.1:

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.

Condition 8: Public Access to Recordkeeping for Title V facilities
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 6NYCRR 201-1.10(b)

Item 8.1:

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records 114(c) of the Act.

Condition 9: Proof of Eligibility
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 6NYCRR 201-3.2(a)

Item 9.1:

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.

Condition 10: Proof of Eligibility
Effective between the dates of 04/30/2002 and 05/01/2007



Applicable Federal Requirement: **6NYCRR 201-3.3(a)**

Item 10.1:

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.

Condition 11: Applicable Criteria, Limits, Terms, Conditions and Standards
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: **6NYCRR 201-6.**

Item 11.1:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in the permit. This shall include:

- i. Any reporting requirements and operations under an accidental release plan, response plan, and compliance plan as approved as of the date of the permit issuance, or
- ii. Any support documents submitted as a part of the permit application for this facility as accepted and approved as of the date of permit issuance.

Any noncompliance with the federally-enforceable portions of this permit constitutes a violation of the federal Clean Air Act and will be grounds for enforcement action, for permit termination, revocation and reissuance, or modification, or for denial of a permit renewal application.

Item 11.2:

Any document, including reports, required by the federally-enforceable portions of this permit shall contain a certification by the responsible official for this facility as set forth in Section 201-6.3 that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

Condition 12: Cessation or Reduction of Permitted Activity Not a Defense
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: **6NYCRR 201-6.**

Item 12.1:

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.



Compliance Requirements

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 201-6.

Item 13.1:

The following information must be included in any required compliance monitoring records and reports:

- i. The date, place and time of sampling or measurements;
- ii. The date(s) analyses were performed;
- iii. The company or entity that performed the analyses;
- iv. The analytical techniques or methods used including quality assurance and quality control procedures if required;
- v. The results of such analyses including quality assurance data where required; and
- vi. The operating conditions as existing at the time of sampling or measurement;

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by the responsible official, consistent with Section 201-6.3 of Part 201.

Item 13.2:

The permittee shall comply with the approved compliance schedule for this permit if such a schedule is a part of this permit. Risk management plans must be submitted to the Administrator if required by Section 112(r) of the Clean Air Act for this facility.

Item 13.3:

Progress reports consistent with an applicable schedule of compliance must be submitted at least semiannually on a calendar year basis, or at a more frequent period if specified in the applicable requirement or by the Department elsewhere in this permit. These reports shall be submitted to the Department within 30 days after the end of a reporting period. Such progress reports shall contain the following:

- i. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- ii. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Legally-Enforceable Requirements

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 201-6.



New York State Department of Environmental Conservation

64-00113/00031

Facility DEC ID: 9146400113

Item 14.1:

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 state regulations.

Condition 15: Fees

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 201-6.

Item 15.1:

The permittee shall pay the required fees associated with this permit.

Condition 16: Monitoring, Related Recordkeeping and Reporting Requirements

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 201-6.

Item 16.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 17: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 201-6.

Item 17.1:

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not relieve the permittee from the requirement to comply with any condition contained in this permit.

The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.



Condition 18: Permit Shield
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 6NYCRR 201-6.

Item 18.1:

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield. For those facilities for which a permit shield has been granted, compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Condition 19: Property Rights
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 6NYCRR 201-6.

Item 19.1:

This permit does not convey any property rights of any sort or any exclusive privilege.

Condition 20: Reopening for Cause
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 6NYCRR 201-6.

Item 20.1:

This Title V permit shall be reopened and revised under any of the following circumstances:

- i. If additional applicable requirements under the Act become applicable where this permit's remaining



term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Item 20.2:

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Item 20.3:

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Condition 21: Right to Inspect

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 201-6.

Item 21.1:

Upon presentation of credentials and other documents, as may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:

i. Enter upon the permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

iii. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 22: Severability



Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 201-6.

Item 22.1:

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Emission Unit Definition

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 201-6.

Item 23.1:

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

Emission Unit: U-00001

mission Unit Description:

Steam Generation

Building(s): BOILER HSE

Item 23.2:

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

Emission Unit: U-ACBLD

mission Unit Description:

This unit removes ammonia from excess process cooling water.

Building(s): AC BUILD

Item 23.3:

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

Emission Unit: U-BPROD

mission Unit Description:

This emission unit consists of all of the coke by-product recovery operations that are subject to 40 cfr 61 subpart L - National Emission Standard for Benzene Emissions from Coke By-Product Recovery Operations.

Item 23.4:

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

Emission Unit: U-COALM

mission Unit Description:

Various coals are blended to specified proportions to product the desired coal mix for charging to the ovens.

Building(s): COAL HANDL



New York State Department of Environmental Conservation

64-00113/00031

Facility DEC ID: 9146400113

Item 23.5:

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

Emission Unit: U-COKEB

mission Unit Description:

This unit is a coke oven battery consisting of 60 coke ovens. Charging, pushing, quenching, leaks, and a waste heat stack are associated with this unit.

Building(s): CKE BATTERY

Item 23.6:

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

Emission Unit: U-COKES

mission Unit Description:

Coke is size segregated for distribution in commerce.

Building(s): COKE SCREE

Item 23.7:

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

Emission Unit: U-LOSTG

mission Unit Description:

Unrefined or crude light oil is stored in this unit until loading into transport carriers for shipment.

Item 23.8:

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

Emission Unit: U-SURGT

mission Unit Description:

Excess aqueous liquor is collected in this tank prior to leaving the by-product area.

Item 23.9:

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

Emission Unit: U-WLSTG

mission Unit Description:

This unit consists of 3 weak liquor storage tanks.

Item 23.10:

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

Emission Unit: U-WOSTG

mission Unit Description:

This unit is the storage tank for virgin wash oil.

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(3)(ii)



Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

(1) For emissions of a hazardous air pollutant or a toxic air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.



(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If any of the above conditions are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) through (4) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraph (1) through (4) of this section must also be identified in the 6 month monitoring report required above.

If the permittee seeks to have a violation excused as provided in 201-1.4, the permittee shall report such violations as required under 201-1.4(b). However, in no case may reports of any deviation be on a less frequent basis than those described in paragraphs (1) through (4) above. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory



requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(e)

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as



specified in any special permit terms or conditions;
and
- such additional requirements as may be specified
elsewhere in this permit related to compliance
certification.

ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2
Air Compliance Branch
290 Broadway

New York, NY 10007-1866

The address for the RAPCE is as follows:

270 Michigan Avenue
Buffalo, NY 14203-2999

The address for the BCME is as follows:

NYSDEC

Bureau of Compliance Monitoring



New York State Department of Environmental Conservation

64-00113/00031

Facility DEC ID: 9146400113

and Enforcement
625 Broadway
Albany, NY 12233-3258

g Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due on the same day each year

Permit Exclusion Provisions

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 201-6.5(g)

Item 26.1:

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 currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant 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), and particularly any such enforcement action as may be authorized pursuant to 6 NYCRR 201-1.2 and 6 NYCRR 201-6.5(g).

The issuance of this permit by the Department and the receipt thereof by the Applicant does not supercede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements contained in such order or modification thereof unless specifically intended by this permit.

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 the right of the Department to bring any future action, or pursue any pending action, either administrative or judicial, to required remediation, contribution for costs incurred or funds expended, for any violations, past, present or future, known or unknown, of applicable federal law, the ECL, or the rules and regulations promulgated thereunder, or conditions contained in any other licenses or permits issued to the Applicant and not sed in this permit.

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 the right of the Department to pursue any claims for natural resource damages against the Applicant.

Required emissions tests

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 202-1.1

Item 27.1:



New York State Department of Environmental Conservation

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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

CRR Part 202-1.

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 202-2.1

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

g Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Recordkeeping requirements

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 202-2.5

Item 29.1:

(a) The following records shall be maintained for at least five years:

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Visible emissions limited.

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 211.3

**Item 30.1:**

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.

Condition 31: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:**6NYCRR 215.****Item 31.1:**

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, rubbish for salvage, or rubbish generated by industrial or commercial activities.

Recycling and Emissions Reduction**Effective between the dates of 04/30/2002 and 05/01/2007****Applicable Federal Requirement:****40CFR 82, Subpart F****Item 32.1:**

The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVAC's in Subpart B:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR Part 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR Part 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR Part 82.161.
- d. Persons disposing of small appliances, MVAC's, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR Part 82.166. ("MVAC-like appliance as defined at 40 CFR Part 82.152)
- e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR Part 82.156.
- f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR Part 82.166.

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

Condition 33: Emission Point Definition By Emission Unit
Effective between the dates of 04/30/2002 and 05/01/2007



Applicable Federal Requirement:

6NYCRR 201-6.

Item 33.1:

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

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 260 Diameter (in.): 132
NYTMN (km.): 4766.52 NYTME (km.): 179.829

Emission Removal Date: 06/01/1997

Height (ft.): 280 Diameter (in.): 132
NYTMN (km.): 4766.52 NYTME (km.): 179.829

Emission Point: 00003

Height (ft.): 93 Diameter (in.): 34
NYTMN (km.): 4766.3 NYTME (km.): 179.8 Building: BOILER HSE

Emission Point: 00004

Height (ft.): 93 Diameter (in.): 24
NYTMN (km.): 4766.3 NYTME (km.): 179.8 Building: BOILER HSE

Item 33.2:

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

Emission Unit: U-ACBLD

Emission Point: ACBD1

Height (ft.): 80 Diameter (in.): 3
NYTMN (km.): 4766.52 NYTME (km.): 179.829

Emission Point: ACBD2

Height (ft.): 80 Diameter (in.): 3
NYTMN (km.): 4766.52 NYTME (km.): 179.829

Item 33.3:

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

Emission Unit: U-COKEB

Emission Point: PUSH2

Height (ft.): 10 Length (in.): 480 Width (in.): 96
NYTMN (km.): 4766.52 NYTME (km.): 179.829

Emission Point: QUEN1

Height (ft.): 80 Length (in.): 618 Width (in.): 237



NYTMN (km.): 4766.52 NYTME (km.): 179.829

Emission Point: QUEN2

Height (ft.): 40 Length (in.): 612 Width (in.): 168

NYTMN (km.): 4766.52 NYTME (km.): 179.829

Emission Point: STAC2

Height (ft.): 180 Diameter (in.): 108

NYTMN (km.): 4766.52 NYTME (km.): 179.829

Item 33.4:

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

Emission Unit: U-LOSTG

Emission Point: LOSTG

Height (ft.): 17 Diameter (in.): 5

NYTMN (km.): 4766.52 NYTME (km.): 179.829

Item 33.5:

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

Emission Unit: U-SURGT

Emission Point: SURGT

Height (ft.): 10 Diameter (in.): 3

NYTMN (km.): 4766.52 NYTME (km.): 179.829

Item 33.6:

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

Emission Unit: U-WOSTG

Emission Point: WOSTG

Height (ft.): 17 Diameter (in.): 6

NYTMN (km.): 4766.52 NYTME (km.): 179.829

Condition 34: Process Definition By Emission Unit

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 201-6.

Item 34.1:

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

Emission Unit: U-00001

Process: A01

Source Classification Code: 1-02-007-07

Process Description:



New York State Department of Environmental Conservation

64-00113/00031

Facility DEC ID: 9146400113

This process is for the boiler operation burning natural gas. Note that coke oven gas and natural gas are co-burned at emission unit U-00001.

Emission Source/Control: 00001 - Combustion
Design Capacity: 80,000 pound steam per hour

Emission Source/Control: 00002 - Combustion
Design Capacity: 33.5 million Btu per hour

Emission Source/Control: 00003 - Combustion
Design Capacity: 25.1 million Btu per hour

Item 34.2:

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

Emission Unit: U-00001

Process: A02 Source Classification Code: 1-02-007-07

Process Description:

This process is for the boiler operation burning coke oven gas. Note that coke oven gas and natural gas are co-burned at emission unit U-00001.

Emission Source/Control: 00001 - Combustion
Design Capacity: 80,000 pound steam per hour

Emission Source/Control: 00002 - Combustion
Design Capacity: 33.5 million Btu per hour

Emission Source/Control: 00003 - Combustion
Design Capacity: 25.1 million Btu per hour

Item 34.3:

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

Emission Unit: U-ACBLD

Process: A14 Source Classification Code: 3-03-003-33

Process Description:

Aqueous ammonia is steam stripped in the AC building. The ammonia and steam are emitted and the cleaned water is discharged to the P.O.T.W.

Emission Source/Control: 00014 - Process

Item 34.4:

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

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mission Unit: U-BPROD

Process: A16

Source Classification Code: 3-03-003-99

Process Description:

Surges in available aqueous cooling media are held in this tank for impending pumping into the system.

Emission Source/Control: BHCOL - Process

Item 34.5:

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

mission Unit: U-BPROD

Process: A17

Source Classification Code: 3-03-003-32

Process Description:

Combined flushing liquor and tar are conveyed to the BH decanter where the insoluble and heavier tar settles to the bottom. The lighter aqueous liquid is decanted from the top.

Emission Source/Control: BHDEC - Process

Item 34.6:

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

mission Unit: U-BPROD

Process: A18

Source Classification Code: 3-03-003-36

Process Description:

When transportation is unavailable (truck or rail tanker) tar is held in tanks until suitable transport arrives.

Emission Source/Control: TSTG1 - Process

Capacity: 16,000 gallons

Emission Source/Control: TSTG2 - Process

Capacity: 16,000 gallons

Item 34.7:

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

mission Unit: U-BPROD

Process: A21

Source Classification Code: 3-90-008-99

Process Description:

Multistage centrifugal fans draw a suction on the coke ovens and pressurize coke oven gas on the discharge side of the exhauster. Only one (1) of the three (3) units is

operated at any given time.

Emission Source/Control: 00021 - Process



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Emission Source/Control: 00022 - Process

Emission Source/Control: 00023 - Process

Item 34.8:

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

mission Unit: U-BPROD

Process: A26 Source Classification Code: 3-03-003-44

Process Description:

This tank acts as the reservoir for wash oil to be pumped to the absorber tower. Wash oil is directed to this tank after the light oil has been removed from the wash oil.

Emission Source/Control: WASHC - Process

Item 34.9:

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

mission Unit: U-BPROD

Process: A27 Source Classification Code: 3-03-003-43

Process Description:

Condensed steam and wash oil flow from the light oil removal operation and flow to the wash oil decanter where the wash oil and water separate. The wash oil is recovered and sent to the wash oil circulation tank.

Emission Source/Control: WASHD - Process

Item 34.10:

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

mission Unit: U-BPROD

Process: A28 Source Classification Code: 3-03-003-44

Process Description:

This process receives the water portion from the wash oil decanter. Additional residence time is afforded there to separate and recover any remaining wash oil.

Emission Source/Control: WASHS - Process

Item 34.11:

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

mission Unit: U-BPROD

Process: A32 Source Classification Code: 3-03-003-61

Process Description:



This process is the collection of storage tank vapors and their routing to the suction side of the coke oven gas collector main. Emissions result from equipment leaks and are regulated by 40 CFR 61 Subpart L.

- Emission Source/Control: GSUCT - Control
Control Type: VAPOR RECOVERY SYS(INCL.
CONDENSERS,HOODING, OTHER ENCLOSURES)
- Emission Source/Control: BHCOL - Process
- Emission Source/Control: BHDEC - Process
- Emission Source/Control: TSTG1 - Process
Capacity: 16,000 gallons
- Emission Source/Control: TSTG2 - Process
Capacity: 16,000 gallons
- Emission Source/Control: WASHC - Process
- Emission Source/Control: WASHD - Process
- Emission Source/Control: WASHS - Process

Item 34.12:

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

Emission Unit: U-BPROD

Process: A33

Source Classification Code: 3-03-003-61

Process Description:

This process is equipment leaks for the light oil system. All of the light oil piping flanges, valves, line ends, and pumps from the light oil condensor to the light oil storage tank and ultimately to load out in transportation tanks are included.

- Emission Source/Control: LOEND - Process
- Emission Source/Control: LOFNG - Process
- Emission Source/Control: LOPMP - Process
- Emission Source/Control: LOVLV - Process

Item 34.13:

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



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Emission Unit: U-COALM

Process: A13

Source Classification Code: 3-03-003-09

Process Description:

The various coals are placed in bins where they are released to a controlled feed system that conveys up to seven different coals to the pulverizer unit. The pulverized mixed coal blend is sent to coke oven bunkers

to be charged into the coke oven.

Emission Source/Control: 00013 - Process

Design Capacity: 407,340 tons per year

Item 34.14:

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

Emission Unit: U-COKEB

Process: A04

Source Classification Code: 3-03-003-31

Process Description:

The process involves charging, pushing, quenching, leaks and waste heat stack associated with a coke oven battery

consisting of 60 coke ovens.

Emission Source/Control: 00004 - Process

Design Capacity: 407,340 tons per year

Emission Source/Control: 00005 - Process

Design Capacity: 407,340 tons per year

Emission Source/Control: 00006 - Process

Design Capacity: 407,340 tons per year

Emission Source/Control: 00007 - Process

Design Capacity: 407,340 tons per year

Emission Source/Control: 00008 - Process

Design Capacity: 407,340 tons per year

Emission Source/Control: 00009 - Process

Design Capacity: 407,340 tons per year

Emission Source/Control: 00010 - Process

Design Capacity: 407,340 tons per year

Emission Source/Control: 00011 - Process

Design Capacity: 407,340 tons per year

Item 34.15:

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



mission Unit: U-COKES

Process: A12

Source Classification Code: 3-03-003-12

Process Description:

Run of oven coke is conveyed to the screening station where screens of various dimensions are arranged on shakers that produce a specified size distribution

designated by the end user.

Emission Source/Control: 00012 - Process
Design Capacity: 334,000 tons per year

Item 34.16:

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

mission Unit: U-LOSTG

Process: A24

Source Classification Code: 3-03-003-41

Process Description:

Crude light oil flows by gravity from the light oil still to the light oil storage tank. This tank is always at ambient conditions.

Emission Source/Control: 00024 - Process

Item 34.17:

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

mission Unit: U-SURGT

Process: A20

Source Classification Code: 3-03-003-32

Process Description:

The process receives excess flushing liquor from the BH system. The unit operates with a condensate water seal in the vent. The unit operates in a near steady level, rather

than a fill-empty cycle.

Emission Source/Control: 00020 - Control
Control Type: WATER SEAL

Emission Source/Control: SURGT - Process

Item 34.18:

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

mission Unit: U-WLSTG

Process: A29

Source Classification Code: 3-03-003-33

Process Description:

Storage of excess ammonia bearing aqueous liquid produced



in the coking process.

Emission Source/Control: WLST1 - Process
capacity: 180,000 gallons

Emission Source/Control: WLST2 - Process
capacity: 180,000 gallons

Emission Source/Control: WLST3 - Process
capacity: 360,000 gallons

Item 34.19:

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

Emission Unit: U-WOSTG

Process: A25

Source Classification Code: 3-06-014-02

Process Description:

Virgin wash oil is stored in this tank. This purchased material is a high boiling (>212 degrees) oil that is used to absorb the light oil out of the coke oven gas.

Emission Source/Control: 00025 - Process

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 227-1.3(a)

Item 35.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 35.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity (on a six minute block period) except for one six minute block period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.



Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- weather condition
- was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then the Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY
Permit Limit: 27 percent



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ce Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

d: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

**Condition 36: Compliance Plan for mid size boiler
Effective between the dates of 04/30/2002 and 05/01/2007**

Applicable Federal Requirement: 6NYCRR 227-2.4(c)(1)(iii)

Item 36.1:

Condition applies to

Emission Unit: U-00001

Process: A01

Emission Source: 00001

Item 36.2:

During application review for this Title V permit, an alleged violation of the NOx RACT provisions of 6 NYCRR Part 227-2 for boiler #7 (emission source 00001) was discovered. The Department is commencing a separate enforcement action outside of the requirements of this permit. Until the Department's enforcement action is completed, Tonawanda Coke must implement the following compliance plan:

1. Submit to the Department by April 1, 2002, either
 - a. a NOx RACT evaluation for boiler #7 in accordance with 6 NYCRR Part 227-2(c)(1)(iii) and appropriate Department guidance, or
 - b. a boiler capacity evaluation that proves that the heat input capacity of boiler #7 is less than 50 million Btu/hr.
2. Implement the NOx RACT technology as approved by the Department by January 1, 2003.
3. Conduct an emission test of boiler #7 following Department procedures if necessary for the approved NOx RACT technology by April 1, 2003.
4. Apply to the Department for a permit modification which includes federally enforceable conditions for the approved NOx RACT technology for boiler #7 by June 1, 2003.

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(d)

Item 37.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001



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Process: A01 Emission Source: 00002

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually. The owner or operator of a small boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

g Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 227-2.4(d)

Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: A01 Emission Source: 00003

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually. The owner or operator of a small boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

g Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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



Condition 39: Compliance Plan for mid size boiler
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(c)(1)(iii)

Item 39.1:
 Condition applies to

Emission Unit: U-00001
 Process: A02 Emission Source: 00001

Item 39.2:

During application review for this Title V permit, an alleged violation of the NOx RACT provisions of 6 NYCRR Part 227-2 for boiler #7 (emission source 00001) was discovered. The Department is commencing a separate enforcement action outside of the requirements of this permit. Until the Department's enforcement action is completed, Tonawanda Coke must implement the following compliance plan:

1. Submit to the Department by April 1, 2002, either
 - a. a NOx RACT evaluation for boiler #7 in accordance with 6 NYCRR Part 227-2(c)(1)(iii) and appropriate Department guidance, or
 - b. a boiler capacity evaluation that proves that the heat input capacity of boiler #7 is less than 50 million Btu/hr.
2. Implement the NOx RACT technology as approved by the Department by January 1, 2003.
3. Conduct an emission test of boiler #7 following Department procedures if necessary for the approved NOx RACT technology by April 1, 2003.
4. Apply to the Department for a permit modification which includes federally enforceable conditions for the approved NOx RACT technology for boiler #7 by June 1, 2003.

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(d)

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
 Process: A02 Emission Source: 00002

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually. The owner



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or operator of a small boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

g Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 227-2.4(d)

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: A02

Emission Source: 00003

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually. The owner or operator of a small boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

g Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Condition 42: Applicability for furnace and foundry coke by-product recovery plants

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 40CFR 61.130(a), NESHAP Subpart L

Item 42.1:



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Condition applies to

Emission Unit: U-BPROD

Item 42.2:

The provisions of this subpart apply to each of the following sources at furnace and foundry coke by-product recovery plants: tar decanters, tar storage tanks, tar-intercepting sumps, flushing-liquor circulation tanks, light-oil sumps, light-oil condensers, light-oil decanters, wash-oil decanters, wash-oil circulation tanks, naphthalene processing, final coolers, final-cooler cooling towers, and the following equipment that are intended to operate in benzene service: pumps, valves, exhausters, pressure relief devices, sampling connection systems, open-ended valves or lines, flanges or other connectors, and control devices or systems required by 40 CFR 61.135.

Condition 43: Standards for process vessels, storage tanks, and tar-intercepting sumps at foundry coke byproduct recovery plants
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement 40CFR 61.132(a), NESHAP Subpart L

Item 43.1:

Condition applies to

Emission Unit: U-BPROD

Item 43.2:

- (a)(1) Each owner or operator of a foundry coke byproduct recovery plant shall enclose and seal all openings on each process vessel, tar storage tank, and tar-intercepting sump.
- (2) The owner or operator shall duct gases from each process vessel, tar storage tank, and tar-intercepting sump to the gas collection system, gas distribution system, or other enclosed point in the by-product recovery process where the benzene in the gas will be recovered or destroyed. This control system shall be designed and operated for no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background and visual inspections, as determined by the methods specified in 40 CFR 61.245(c). This system can be designed as a closed, positive pressure, gas blanketing system.
 - (i) Except, the owner or operator may elect to install, operate, and maintain a pressure relief device, vacuum relief device, an access hatch, and a sampling port on each process vessel, tar storage tank, and tar-intercepting sump. Each access hatch and sampling port must be equipped with a gasket and a cover, seal, or lid that must be kept in a closed position at all times, unless in actual use.
 - (ii) The owner or operator may elect to leave open to the atmosphere the portion of the liquid surface in each tar decanter necessary to permit operation of a sludge conveyor. If the owner or operator elects to maintain an opening on part of the liquid surface of the tar decanter, the owner or operator shall install, operate, and maintain a water leg seal on the tar decanter roof near the sludge discharge chute to ensure enclosure of the major portion of liquid surface not necessary for the operation of the sludge conveyor.

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement 40CFR 61.132(b), NESHAP Subpart L

Item 44.1:

The Compliance Certification activity will be performed for:



Emission Unit: U-BPROD

Regulated Contaminant(s):

CAS No: 000071-43-2 BENZENE

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Following the installation of any control equipment used to meet the requirements of paragraph 40 CFR 61.132(a), the owner or operator shall monitor the connections and seals on each control system to determine if it is operating with no detectable emissions, using Method 21 (40 CFR part 60, appendix A) and procedures specified in 40 CFR 61.245(c)(provided below), and shall visually inspect each source (including sealing materials) and the ductwork of the control system for evidence of visible defects such as gaps or tears. This monitoring and inspection shall be conducted on a semiannual basis and at any other time after the control system is repressurized with blanketing gas following removal of the cover or

opening of the access hatch.

(1) If an instrument reading indicates an organic chemical concentration more than 500 ppm above a background concentration, as measured by Method 21, a leak is detected.

(2) If visible defects such as gaps in sealing materials are observed during a visual inspection, a leak is detected.

(3) When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected.

(4) A first attempt at repair of any leak or visible defect shall be made no later than 5 calendar days after each leak is detected.

Monitoring requirements of 40 CFR 61.245(c):

(b)(1) Monitoring shall comply with Method 21 of appendix A of 40 CFR part 60.



(2) The detection instrument shall meet the performance criteria of Method 21.

(3) The instrument shall be calibrated before use on each day of its use by the procedures specified in Method 21.

(4) Calibration gases shall be:

(i) Zero air (less than 10 ppm of hydrocarbon in air); and

(ii) A mixture of methane or n-hexane and air at a concentration of approximately, but less than, 10,000 ppm methane or n-hexane.

(5) The instrument probe shall be traversed around all potential leak interfaces as close to the interface as possible as described in Method 21.

(c) When equipment is tested for compliance with or monitored for no detectable emissions, the owner or operator shall comply with the following requirements:

(1) The requirements of paragraphs (b) (1) through (4) shall apply.

(2) The background level shall be determined, as set forth in Method 21.

(3) The instrument probe shall be traversed around all potential leak interfaces as close to the interface as possible as described in Method 21.

(4) The arithmetic difference between the maximum concentration indicated by the instrument and the background level is compared with 500 ppm for determining compliance.

ored: CONCENTRATION

Upper Permit Limit: 500 parts per million (by volume)

Reference Test Method: EPA Method 21

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.
 Initial report is due 7/30/02.
 Subsequent reports are due every 6 calendar month(s).

Compliance Certification
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirements 40CFR 61.132(c), NESHAP Subpart L

Item 45.1:
 The Compliance Certification activity will be performed for:

Emission Unit: U-BPROD

Item 45.2:
 Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Following the installation of any control system used to meet the requirements of paragraph 40 CFR 132(a), the owner or operator shall conduct a maintenance inspection of the control system on an annual basis for evidence of system abnormalities, such as blocked or plugged lines, sticking valves, plugged condensate traps, and other maintenance defects that could result in abnormal system operation. The owner or operator shall make a first attempt at repair within 5 days, with repair within 15 days of detection.

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g Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Condition 46: Requirements for equipment in benzene service
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirements 40CFR 61.135(a), NESHAP Subpart L

Item 46.1:
 Condition applies to Emission Unit: U-BPROD

Item 46.2:
 Each owner or operator of equipment in benzene service shall comply with the requirements of 40 CFR part 61, subpart V, except as provided in this section. "In benzene service" means a piece of equipment, other than an exhauster, that either contains or contacts a fluid (liquid or gas) that is at least 10 percent



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benzene by weight or any exhauster that either contains or contacts a fluid (liquid or gas) at least 1 percent benzene by weight as determined by the provisions of § 61.137(b). The provisions of § 61.137(b) also specify how to determine that a piece of equipment is not in benzene service.

Condition 47: Exceptions to Subpart V requirements
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirements: 40CFR 61.135(b), NESHAP Subpart L

Item 47.1:
Condition applies to Emission Unit: U-BPROD

Item 47.2:
The provisions of 40 CFR 61.242-3 and 40 CFR 61.242-9 of subpart V do not apply to this subpart.

Condition 48: Labeling of equipment in benzene service
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirements: 40CFR 61.135(c), NESHAP Subpart L

Item 48.1:
Condition applies to Emission Unit: U-BPROD

Item 48.2:
Each piece of equipment in benzene service to which this subpart applies shall be marked in such a manner that it can be distinguished readily from other pieces of equipment in benzene service.

Condition 49: Additional requirements associated with a foundry coke plant becoming a furnace coke plant
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirements: 40CFR 61.136(c), NESHAP Subpart L

Item 49.1:
Condition applies to Emission Unit: U-BPROD

Item 49.2:
On the first January 1 after the first year that a plant's annual coke production is less than 75 percent foundry coke, the coke byproduct recovery plant becomes a furnace coke byproduct recovery plant and shall comply with the additional requirements for furnace coke plants in 40 CFR 61.132(d). Once a plant becomes a furnace coke byproduct recovery plant, it will continue to be considered a furnace coke byproduct recovery plant, regardless of the coke production in subsequent years.

Recordkeeping requirements
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirements: 40CFR 61.138(a), NESHAP Subpart L

**Item 50.1:**

Condition applies to

Emission Unit: U-BPROD

Item 50.2:

(a) The following information pertaining to the design of control equipment installed to comply with 40 CFR 61.132 through 61.134 shall be recorded and kept in a readily accessible location:

- (1) Detailed schematics, design specifications, and piping and instrumentation diagrams.
- (2) The dates and descriptions of any changes in the design specifications.

(b) The following information pertaining to sources subject to 40 CFR 61.132 and sources subject to 40 CFR 61.133 shall be recorded and maintained for 2 years following each semiannual (and other) inspection and each annual maintenance inspection:

- (1) The date of the inspection and the name of the inspector.
- (2) A brief description of each visible defect in the source or control equipment and the method and date pair of the defect.
- (3) The presence of a leak, as measured using the method described in 40 CFR 61.245(c). The record shall include the date of attempted and actual repair and method of repair of the leak.
- (4) A brief description of any system abnormalities found during the annual maintenance inspection, the repairs made, the date of attempted repair, and the date of actual repair.

(c) Each owner or operator of a source subject to 40 CFR 61.135 shall comply with 40 CFR 61.246.

(d) For foundry coke by-product recovery plants, the annual coke production of both furnace and foundry coke shall be recorded and maintained for 2 years following each determination.

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement 40 CFR 61.138(f), NESHAP Subpart L**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-BPROD

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A report shall be submitted to the Department and



Administrator semiannually starting 6 months after the initial reports required in 40 CFR 61.138(e) and 40 CFR 61.10, which includes the following information:

(1) For sources subject to 40 CFR 61.132 and sources subject to 40 CFR 61.133,

(i) A brief description of any visible defect in the source or ductwork,

(ii) The number of leaks detected and repaired, and

(iii) A brief description of any system abnormalities found during each annual maintenance inspection that occurred in the reporting period and the repairs made.

(2) For equipment in benzene service subject to 40 CFR 61.135(a), information required by 40 CFR 61.247(b).

(3) For each exhauster subject to 40 CFR 61.135 for each quarter during the semiannual reporting period,

(i) The number of exhausters for which leaks were detected as described in 40 CFR 61.135 (d) and (e)(5),

(ii) The number of exhausters for which leaks were repaired as required in 40 CFR 61.135 (d) and (e)(6),

(iii) The results of performance tests to determine compliance with 40 CFR 61.135(g) conducted within the semiannual reporting period.

(4) A statement signed by the owner or operator stating whether all provisions of 40 CFR part 61, subpart L, have been fulfilled during the semiannual reporting period.

(5) For foundry coke by-product recovery plants, the annual coke production of both furnace and foundry coke, if determined during the reporting period.

(6) Revisions to items reported according to paragraph (e) of this section if changes have occurred since the initial report or subsequent revisions to the initial report.



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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirements 40CFR 61.135(d), NESHAP Subpart L

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BPROD

Process: A21

Regulated Contaminant(s):

CAS No: 000071-43-2 BENZENE

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each exhauster shall be monitored quarterly to detect leaks by the methods specified in 40 CFR

61.245(b)(provided below).

(1) If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.

(2) When a leak is detected, it shall be repaired as soon as practicable, but no later than 15 calendar days after it is detected, except as provided in 40 CFR 61.242-10 (a) and (b). A first attempt at repair shall be made no later than 5 calendar days after each leak is detected.

40 CFR 61.245(b) - Monitoring shall comply with the following requirements:

(1) Monitoring shall comply with Method 21 of appendix A of 40 CFR part 60.

(2) The detection instrument shall meet the performance criteria of Method 21.



(3) The instrument shall be calibrated before use on each day of its use by the procedures specified in Method 21.

(4) Calibration gases shall be:

(i) Zero air (less than 10 ppm of hydrocarbon in air); and

(ii) A mixture of methane or n-hexane and air at a concentration of approximately, but less than, 10,000 ppm methane or n-hexane.

(5) The instrument probe shall be traversed around all potential leak interfaces as close to the interface as possible as described in Method 21.

ored: CONCENTRATION

Upper Permit Limit: 10000 parts per million (by volume)

Reference Test Method: EPA Method 21

Frequency: QUARTERLY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Condition 53: General Standards - marking equipment
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement 40CFR 61.242-1, NESHAP Subpart V

Item 53.1:

Condition applies to

Emission Unit: U-BPROD

Process: A33

Item 53.2:

Each piece of equipment to which Subpart V applies shall be marked in such a manner that it can be distinguished readily from other pieces of equipment that are not subject to Subpart V.

Standards for delay of repair

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement 40CFR 61.242-10, NESHAP Subpart V

Item 54.1:

Condition applies to

Emission Unit: U-BPROD

Air Pollution Control Permit Conditions

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Process: A33

Item 54.2:

Delay of repair of equipment for which leaks have been detected will be allowed if:

- 1) the repair is technically infeasible without a process unit shutdown. Repair of this equipment shall occur before the end of the next process unit shutdown;
- 2) if the equipment is isolated from the process and does not remain in VHAP service
- 3) for valves, if the owner/operator demonstrates that emissions of purged material resulting from immediate repair are greater than the fugitive emissions likely to result from delay of repair, and when repair procedures are effected, the purged material is collected and destroyed or recovered in a control device complying with 40CFR61.242-11; or
- 4) for pumps, repair requires the use of a dual mechanical seal system that includes a barrier fluid system, and repair is completed as soon as practicable, but not later than 6 months after the leak was detected.

Monitoring requirements

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirements 40CFR 61.245(b), NESHAP Subpart V

Item 55.1:

Condition applies to

Emission Unit: U-BPROD
Process: A33

Item 55.2:

Monitoring, as required in 40 CFR 61.242, 61.243, 61.244, and 61.135, shall comply with the following requirements:

- (1) Monitoring shall comply with Method 21 of appendix A of 40 CFR part 60.
- (2) The detection instrument shall meet the performance criteria of Method 21.
- (3) The instrument shall be calibrated before use on each day of its use by the procedures specified in Method 21.

on gases shall be:

- (i) Zero air (less than 10 ppm of hydrocarbon in air); and
- (ii) A mixture of methane or n-hexane and air at a concentration of approximately, but less than, 10,000 ppm of methane or n-hexane.
- (5) The instrument probe shall be traversed around all potential leak interfaces as close to the interface as possible as described in Method 21.



Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirements 40CFR 61.246(b), NESHAP Subpart V

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BPROD
Process: A33

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

When a leak is detected according to the pump and valve provisions in Subpart V, the following information shall be recorded in a log and shall be kept for 2 years in a readily accessible location:

- 1) The instrument and operator identification numbers and the equipment identification number.
- 2) The date the leak was detected and the dates of each attempt to repair the leak.
- 3) Repair methods applied in each attempt to repair the leak.
- 4) "Above 10,000" if the maximum instrument reading measured by Method 21 after each repair attempt is equal to or greater than 10,000 ppm.
- 5) "Repair delayed" and the reason for the delay if a leak is not repaired within 15 calendar days after discovery of the leak.
- 6) The signature of the owner/operator (or designate) whose decision it was that repair could not be effected without a process shutdown.
- 7) The expected date of successful repair of the leak if a leak is not repaired within 15 calendar days.
- 8) Dates of process unit shutdowns that occur while the equipment is unrepaired.
- 9) The date of successful repair of the leak.

Reporting provisions are contained in the condition for 40 CFR 61-V.247(b).



Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirements 40CFR 61.246(c), NESHAP Subpart V

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BPROD
Process: A33

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

When each leak is detected according to the provisions in Subpart V for pumps and valves, the following requirements apply:

- 1) A weatherproof and readily visible identification, marked with the equipment identification number, shall be attached to the leaking equipment
- 2) The identification on a valve may be removed after it has been monitored for 2 successive months and no leak has been detected during those 2 months
- 3) The identification on equipment, except on a valve, may be removed after it has been repaired.

Reporting requirements are contained in the condition for 40 CFR 61-V.247(b)

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007



Applicable Federal Requirements 40CFR 61.246(e), NESHAP Subpart V

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BPROD
Process: A33

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following information pertaining to all equipment to which a standards applies shall be recorded in a log that is kept in a readily accessible location:

- 1) A list of identification numbers for equipment (except welded fittings) subject to the requirements of Subpart V.
- 2) A list of identification numbers for equipment that the owner/operator elects to designate for no detectable emissions as indicated by an instrument reading of less

than 500 ppm above background.

Reporting requirements are contained in the condition for 40 CFR 61-V.247(b).

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirements 40CFR 61.247, NESHAP Subpart V

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BPROD
Process: A33

Regulated Contaminant(s):



CAS No: 0NY100-00-0 HAP

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A report shall be submitted semiannually beginning 6 months after the initial report required for Subpart V. This report shall include the following:

1) Process unit identification

2) For each month during the semiannual reporting period:

2a) the number of valves for which leaks were detected

2b) the number of valves for which leaks were not repaired

2c) the number of pumps for which leaks were detected

2d) the number of pumps for which leaks were not repaired

2e) the facts that explain any delay of repairs and, where appropriate, why a process unit shutdown was technically infeasible.

3) Dates of process unit shutdowns which occurred during the semiannual reporting period

4) Revisions to items reported in the initial statement if changes have occurred since the statement was submitted.

5) The results of all performance tests and monitoring to determine compliance with no detectable emissions conducted during the semiannual reporting period.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

**Condition 60: Standards for open ended valves or lines
Effective between the dates of 04/30/2002 and 05/01/2007**

Applicable Federal Requirement 40CFR 61.242-6, NESHAP Subpart V

Item 60.1:



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Condition applies to

Emission Unit: U-BPROD

Process: A33

Emission Source: LOEND

Item 60.2:

Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, unless the owner/operator is granted an alternative method of compliance as provided in §61.242-1(c). The cap, blind flange, plug, or second valve shall seal the open end at all times except during operations requiring process fluid flow through the open-ended valve or line.

Each open-ended valve or line equipped with a second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed. When a double block and bleed system is being used, the bleed valve or line may remain open during operations that require venting the line between the block valves but shall comply with this condition at all other times.

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement 40CFR 61.242-8, NESHAP Subpart V

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BPROD

Process: A33

Emission Source: LOFNG

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 61.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Pressure relief devices in liquid service and flanges and other connectors shall be monitored within 5 days by the method specified in §61.245(b) if evidence of a potential leak is found by visual, audible, olfactory, or any other detection method, unless the owner/operator is granted an alternative method of compliance as provided in §61.242-1(c).

If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. This leak shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in the delay of repair provisions listed in §61.242-10.



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The first attempt at repair shall be made no later than 5 calendar days after each leak is detected, and shall include, but are not limited to, tightening of bonnet bolts, replacement of bonnet bolts, tightening of packing gland nuts; and injection of lubricant into lubricated packing.

Parameter Monitored: VOC

Upper Permit Limit: 10000 parts per million (by volume)
Reference Test Method: EPA Method 21
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

40CFR 61.242-2(a)(1), NESHAP Subpart V

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BPROD
Process: A33 Emission Source: LOPMP

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 62.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Each pump shall be monitored monthly to detect leaks by using Method 21. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected. A first attempt at repair shall be made no later than 5 calendar days after each leak is detected.

Parameter Monitored: VOC



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Upper Permit Limit: 10000 parts per million (by volume)

Reference Test Method: EPA Method 21

Monitoring Frequency: MONTHLY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

40CFR 61.242-2(a)(2), NESHAP Subpart V

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BPROD

Process: A33

Emission Source: LOPMP

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each pump shall be checked by visual inspection each calendar week for indications of liquids dripping from the pump seal. When a leak is detected, a first attempt at repair shall be made within 5 calendar days after each leak is detected and final repair shall be completed as soon as practicable but not later than 15 calendar days after detection.

Monitoring Frequency: WEEKLY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007



Applicable Federal Requirement:

40CFR 61.242-7(a), NESHAP Subpart V

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BPROD

Process: A33

Emission Source: LOVLV

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 64.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Each valve shall be monitored monthly to detect leaks using Method 21. If an instrument reading of 10,000 ppm or greater is measure, a leak is detected. When a leak is detected, the valve shall be repaired as soon as practicable, but no later than 15 calendar days after detection. A first attempt at repair shall be made no later than 5 calendar days after detection and may include tightening of the bonnet bolts, replacement of bonnet bolts, tightening of packing gland nuts, and injection of

lubricant into lubricated packing.

Any valve for which a leak is not detected for 2 successive months may be monitored the first month of every quarter, beginning with the next quarter, until a leak is detected. If a leak is detected, the valve shall be monitored monthly until a leak is not detected for 2 successive months.

Parameter Monitored: VOC

Upper Permit Limit: 10000 parts per million (by volume)

Reference Test Method: EPA Method 21

Monitoring Frequency: MONTHLY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007



Applicable Federal Requirement 40CFR 61.246(f), NESHAP Subpart V

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BPROD
Process: A33 Emission Source: LOVLV

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following information pertaining to all valves subject to Subpart V shall be recorded in a log that is kept in a readily accessible location:

- 1) A list of identification numbers for valves that are designated as unsafe to monitor, an explanation for each valve stating why the valve is unsafe to monitor, and the plan for monitoring each valve.
- 2) A list of identification numbers for valves that are designated as difficult to monitor, an explanation for each valve stating why the valve is difficult to monitor, and the planned schedule for monitoring each valve.

Reporting requirements are contained in the condition for 40 CFR 61-V.247(b).

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 212.6(a)

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-COALM
Process: A13 Emission Source: 00013



Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 66.2:
Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance with this requirement shall be determined by the facility owner/ operator conducting a visible emissions observation of all emission points, during daylight hours, except during conditions of extreme weather (fog, snow, rain). If any visible emissions are identified, Tonawanda Coke must determine if corrective action is required or if the visible emissions are part of normal plant operation and the opacity is below 20 percent six minute average.

Records of observations are to be maintained, including explanations for days when weather conditions are prohibitive, on-site for a period of five years.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Parameter Monitored: OPACITY
Permit Limit: 20 percent
Reporting Frequency: WEEKLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Condition 67: Work practice plan
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 40CFR 63.306(a), Subpart L

Item 67.1:
Condition applies to Emission Unit: U-COKEB

**Item 67.2:**

Work practice plan. On or before November 15, 1993, each owner or operator shall prepare and submit to the Administrator and/or 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 under this subpart or, for a coke oven battery not subject to visible emission limitations under this subpart, other federally enforceable visible emission limitations for these emission points.

(1) The work practice plan must address each of the topics specified in 40 CFR 63.306(b) in sufficient detail and with sufficient specificity to allow the Administrator and/or Department to evaluate the plan for enforceability.

(2) The Administrator and/or Department may require revisions to the initial plan only where the Administrator and/or Department finds either that the plan does not address each subject area listed in 40 CFR 63.306(b) of this section for each emission point subject to a visible emission standard under this subpart, or that the plan is unenforceable because it contains requirements that are unclear.

(3) During any period of time that an owner or operator 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 40 CFR 63.311(f)(4) for the emission point during a particular day is a single violation

Condition 68: Implementation of work practice plan - MACT track
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 40CFR 63.306(c)(2), Subpart L

Item 68.1:

Condition applies to

Emission Unit: U-COKEB

Item 68.2:

The owner or operator of a coke oven battery not subject to visible emission limitations under this subpart on or after 11/30/1995, shall:

(i) Implement the provisions of the work practice plan pertaining to a particular emission point following the second exceedance in any consecutive 6-month period of a federally enforceable emission limitation for that emission point for coke oven doors, topside port lids, offtake systems, or charging operations but no later than 3 days after receipt of written notification from the applicable enforcement agency; and

(ii) Continue to implement such plan provisions for 90 consecutive days after the most recent written notification from the enforcement agency of an exceedance of the visible emission limitation.

Work practice plan revisions

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 40CFR 63.306(d), Subpart L

Item 69.1:

Condition applies to

Emission Unit: U-COKEB



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Item 69.2:

Revisions to plan. Revisions to the work practice emission control plan will be governed by the provisions in this section.

(1) The Administrator and/or Department may request the owner or operator 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 owner or operator is required to implement work practices under paragraph 40 CFR 63.306(c). In the case of a coke oven battery subject to visual emission limitations under this subpart, the second exceedance must be independent under the criteria in paragraph 40 CFR 63.306(c)(1)(i).

(2) The Administrator and/or Department may not request the owner or operator to review and revise the plan more than twice in any 12 consecutive month period for any particular emission point unless the Administrator and/or Department disapproves the plan according to the provisions in paragraph (6) of this section.

(3) If the certified observer calculates that a second exceedance (or, if applicable, a second independent exceedance) has occurred, the certified observer shall notify the owner or operator. No later than 10 days after receipt of such a notification, the owner or operator shall notify the Administrator and/or 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 Administrator and/or Department according to the provisions in

(6) of this section.

(4) The owner or operator shall submit a revised work practice plan within 60 days of notification from the Administrator and/or Department under paragraph (1) of this section, unless the Administrator and/or Department grants an extension of time to submit the revised plan.

(5) If the Administrator and/or Department requires a plan revision, the Administrator and/or Department may require the plan to address a subject area or areas in addition to those in paragraph 40 CFR 63.306(b), if the Administrator and/or 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.

(6) The Administrator and/or Department may disapprove a plan revision required under this section if the Administrator and/or Department determines that the revised plan is inadequate to prevent exceedances of the visible emission limitation under this subpart 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 Administrator and/or Department may also disapprove the finding that may be submitted pursuant to paragraph (3) of this section if the Administrator and/or Department determines that a revised plan is needed to prevent exceedances of the applicable visible emission limitations.

Bypass/bleeder stack venting

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 40CFR 63.307(a)(2), Subpart L

Item 70.1:

Condition applies to

Emission Unit: U-COKEB

Item 70.2:

Coke oven emissions shall not be vented to the atmosphere through bypass/bleeder stacks, except through the flare system.



Condition 71: Bypass/bleeder stack Flare requirements
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 40CFR 63.307(b), Subpart L

Item 71.1:
Condition applies to Emission Unit: U-COKEB

Item 71.2:
Each flare installed pursuant to this section shall meet the following requirements:

(1) Each flare shall be designed for a net heating value of 8.9 MJ/scm (240 Btu/scf) if a flare is steam-assisted or air-assisted, or a net value of 7.45 MJ/scm (200 Btu/scf) if the flare is non-assisted.

(2) Each flare shall have either a continuously operable pilot flame or an electronic igniter that meets the requirements of paragraphs (3) and (4) of this section.

(3) Each electronic igniter shall meet the following requirements:

(i) Each flare shall be equipped with at least two igniter plugs with redundant igniter transformers;

(ii) The ignition units shall be designed failsafe with respect to flame detection thermocouples (i.e., any flame detection thermocouples are used only to indicate the presence of a flame, are not interlocked with the ignition unit, and cannot deactivate the ignition system); and

(iii) Integral battery backup shall be provided to maintain active ignition operation for a minimum of 15 g a power failure.

(iv) Each electronic igniter shall be operated to initiate ignition when the bleeder valve is not fully closed as indicated by an "OPEN" limit switch.

(4) Each flare installed to meet the requirements of this paragraph (b) that does not have an electronic igniter shall be operated with a pilot flame present at all times as determined by 40 CFR 63.309(h)(2).

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 40CFR 63.307(c), Subpart L

Item 72.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-COKEB

Item 72.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each flare installed to meet the requirements of this section shall be operated with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours. Compliance with this



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limit shall be determined using EPA Method 22 with and observation period of 2 hours. Recordkeeping and reporting requirements for this limit are included under the permit condition for 40 CFR 63.311.

Parameter Monitored: VISIBLE EMISSIONS

r Permit Limit: 5 minutes

Reference Test Method: EPA Method 22

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 40CFR 63.308, Subpart L

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-COKEB

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) On and after November 15, 1993, the owner or operator of a by-product coke oven battery shall inspect the collecting main for leaks at least once daily according to the procedures in EPA Method 303.

(b) The owner or operator shall record the time and date a leak is first observed, the time and date the leak is temporarily sealed, and the time and date of repair.

(c) The owner or operator shall 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.

(d) The owner or operator shall 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 Administrator and/or Department.



Method 303 requires the Method 303 certified observer to traverse both the collecting main catwalk and the battery topside along the side closest to the collecting main. Upon noting visible emissions from any portion of a collection main, the inspector must identify the source and approximate location of the source of visible emissions and record the time, then resume the traverse. Upon completion of the inspection, the data is reported to the owner for the appropriate corrective action required above.

Recordkeeping and reporting requirements for this condition are included under the permit condition for 40 CFR 63.311.

Reference Test Method: EPA Method 303

Monitoring Frequency: DAILY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

EMISSION MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Performance tests and procedures

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 40CFR 63.309, Subpart L

Item 74.1:

Condition applies to

Emission Unit: U-COKEB

Item 74.2:

(a) Except as otherwise provided, a daily performance test shall be conducted each day, 7 days per week for each new and existing coke oven battery, the results of which shall be used in accordance with procedures specified in this subpart to determine compliance with each of the applicable visible emission limitations for coke oven doors, topside port lids, offtake systems, and charging operations in this subpart. 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" will be determined by the enforcement agency.

(1) Each performance test is to be conducted according to the procedures and requirements in this section and in EPA Methods 303, 9, and 22 (where applicable).

(2) Each performance test is to be conducted by a certified observer.

(3) The certified observer shall complete any reasonable safety training program offered by the owner or operator prior to conducting any performance test at a coke oven battery. The fees described in this section that the owner or operator can demonstrate are covered by other fees collected by the enforcement agency.

(4) The owner or operator shall enter into a contract providing for the inspections and performance tests required under this section to be performed by a Method 303 certified observer. The inspections and performance tests will be conducted at the expense of the owner or operator.

(i) The certified observer shall conduct each performance test according to the requirements in this



paragraph:

(1) The certified observer shall conduct one run each day to observe and record visible emissions from each coke oven door (except for doors covered by an alternative standard under 40 CFR 63.305), 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. 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.

(2) 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.

(3) After each performance test for a by-product coke oven battery, the certified observer shall check and record the collecting main pressure according to the procedures in section 6.3 of Method 303.

(i) The owner or operator shall demonstrate pursuant to Method 303 the accuracy of the pressure measurement device upon request of the certified observer;

(ii) The owner or operator shall not adjust the pressure to a level below the range of normal operation

to the inspection;

(4) The certified observer shall monitor visible emissions from coke oven doors subject to an alternative standard under 40 CFR 63.305 on the schedule specified in 40 CFR 63.305(f).

(5) If applicable, the certified observer shall monitor the opacity of any emissions escaping the control device for a shed covering doors subject to an alternative standard under 40 CFR 63.305 on the schedule

0 CFR 63.305(f).

(6) In no case shall the owner or operator 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.

(b) Using the observations obtained from each performance test, the enforcement agency shall compute and record, in accordance with the procedures and requirements of Method 303, for each day of operations on which a valid emissions value (or set of values) is obtained:

(1) 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;

(2) 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;

(3) For a battery subject to an alternative emission limitation for coke oven doors on by-product coke oven batteries pursuant to 40 CFR 63.305, the 30-run rolling average of the percent leaking coke oven doors for any side of the battery not subject to such alternative emission limitation;

(4) For a by-product coke oven battery subject to the small battery emission limitation for coke oven doors pursuant to 40 CFR 63.304(b)(7), the 30-run rolling average of the number of leaking coke oven doors;

(5) For an approved alternative emission limitation for coke oven doors according to 40 CFR 63.305, the weekly or monthly observation of the percent leaking coke oven doors using Method 303, the percent opacity of visible emissions from the control device for the shed using Method 9 in appendix A to part 60 of this chapter, and visible emissions from the shed using Method 22 in appendix A to part 60 of this chapter;

(c) The certified observer shall make available to the implementing agency as well as to the owner or operator, 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 owner or operator 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 an owner or operator of the results obtained by a certified observer, the person does not have to be certified.

(d) Compliance shall not be determined more often than the schedule provided for performance tests under this section. 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 be used in any computations performed to determine compliance under paragraph (b) of this section or determinations under 40 CFR 63.306.

(e) Compliance with the alternative standards for nonrecovery coke oven batteries in 40 CFR 63.303; shed inspection, maintenance requirements, and monitoring requirements for parameters affecting the shed exhaust flow rate for batteries subject to alternative standards for coke oven doors under 40 CFR 63.305; work practice emission control plan requirements in 40 CFR 63.306; standards for bypass/bleeder stacks in 40 CFR 63.307; and standards for collecting mains in 40 CFR 63.308 is to be determined by the enforcement agency based on review of records and inspections.

(h) For a flare installed to meet the requirements of 40 CFR 63.307(b):

(1) Compliance with the provisions in 40 CFR 63.307(c) (visible emissions from flares) shall be determined using Method 22 in appendix A to part 60 of this chapter, with an observation period of 2 hours; and

(2) Compliance with the provisions in 40 CFR 63.307(b)(4) (flare pilot light) shall be determined using a thermocouple or any other equivalent device.

(i) No observations obtained during any program for training or for certifying observers under this subpart shall be used to determine compliance with the requirements of this subpart or any other federally enforceable standard

**Condition 75: Requirements for startups, shutdowns, and malfunctions
Effective between the dates of 04/30/2002 and 05/01/2007**

Applicable Federal Requirement: 40CFR 63.310, Subpart L

Item 75.1:

Condition applies to

Emission Unit: U-COKEB

Item 75.2:

(a) At all times including periods of startup, shutdown, and malfunction, the owner or operator shall operate and maintain the coke oven battery and its pollution control equipment required under this subpart, in a manner consistent with good air pollution control practices for minimizing emissions to the levels required by any applicable performance standards under this subpart. Failure to adhere to the requirement of this paragraph shall not constitute a separate violation if a violation of an applicable performance or work practice standard has also occurred.

(b) Each owner or operator of a coke oven battery shall develop and implement according to paragraph (c) of this section, 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.

(c) During a period of startup, shutdown, or malfunction:

(1) The owner or operator of a coke oven battery shall operate the battery (including associated air pollution control equipment) in accordance with the procedure specified in the startup, shutdown, and malfunction plan; and



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(2) Malfunctions shall be corrected as soon as practicable after their occurrence, in accordance with the plan.

(d) In order for the provisions of paragraph (i) of this section 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

owner or operator:

(1) If practicable, to the certified observer if the observer is at the facility during the occurrence; or

(2) To the enforcement agency, in writing, within 24 hours of the occurrence first being documented by a company employee, and if the notification under paragraph (d)(1) of this section was not made, an explanation of why no such notification was made.

(e) Within 14 days of the notification made under paragraph (d) of this section, or after a startup or shutdown, the owner or operator shall submit a written report to the applicable permitting authority that:

(1) Describes the time and circumstances of the startup, shutdown, or malfunction; and

(2) Describes actions taken that might be considered inconsistent with the startup, shutdown, or malfunction plan.

(f) The owner or operator shall maintain a record of internal reports which form the basis of each malfunction notification under paragraph (d) of this section.

(g) To satisfy the requirements of this section to develop a startup, shutdown, and malfunction plan, the owner or operator may use the standard operating procedures manual for the battery, provided the manual meets all the requirements for this section and is made available for inspection at reasonable times when requested by the Administrator and/or Department.

(h) The Administrator and/or Department may require reasonable revisions to a startup, shutdown, and malfunction plan, if the Administrator and/or Department finds that the plan:

(1) Does not address a startup, shutdown, or malfunction event that has occurred;

(2) 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

(3) Does not provide adequate procedures for correcting malfunctioning process and/or air pollution control equipment as quickly as practicable.

(i) If the owner or operator demonstrates to the satisfaction of the Administrator and/or Department that a startup, shutdown, or malfunction has occurred, then an observation occurring during such startup, shutdown, or malfunction shall not:

(1) Constitute a violation of relevant requirements of this 40 CFR 63 subpart L;

(2) Be used in any compliance determination under 40 CFR 63.309 (Performance tests and procedures); or

(3) Be considered for purposes of 40 CFR 63.306 (Work practice standards), until the Administrator and/or Department has resolved the claim that a startup, shutdown, or malfunction has occurred. If the Administrator and/or Department determines that a startup, shutdown, or malfunction has not occurred, such observations may be used for purposes of 40 CFR 63.306, regardless of whether the owner or operator further contests such determination. The owner's or operator's receipt of written notification from the Administrator and/or Department that a startup, shutdown, or malfunction has not occurred will serve, where applicable under 40 CFR 63.306, as written notification from the certified observer that an

event has occurred.

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 40CFR 63.311(d), Subpart L



Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-COKEB

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a coke oven battery shall include the following information in the semiannual compliance certification:

(1) Certification, signed by the owner or operator, that no coke oven gas was vented, except through the bypass/ bleeder stack flare system of a by-product coke oven battery during the reporting period or that a venting report has been submitted according to the requirements in paragraph 40 CFR 63.311(e);

(2) Certification, signed by the owner or operator, 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 40 CFR 63.310(e); and

(3) Certification, signed by the owner or operator, that work practices were implemented if applicable under 40 CFR 63.306.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 40CFR 63.311(e), Subpart L

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-COKEB

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

The owner or operator 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 Administrator and/or 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.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 40CFR 63.311(f), Subpart L

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-COKEB

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator 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 Administrator and/or Department for at least 5 years. Copies of the work practice plan developed under 40 CFR 63.306 and the startup, shutdown, and malfunction plan developed under 40 CFR 63.310 shall be kept onsite at all times. The owner or operator shall maintain the following information:

- according to 40 CFR 63.305;
- (2) For an approved alternative emission limitation
 - (i) Monitoring records for parameter(s) that indicate the exhaust flow rate is maintained;
 - (ii) If applicable under 40 CFR 63.305(f)(4)(i);
 - (A) Records of opacity readings from the continuous opacity monitor for the control device for the shed; and



(B) Records that demonstrate the continuous opacity monitoring system meets the requirements of Performance Specification 1 in appendix B to part 60 of this chapter and the operation and maintenance requirements in part 52 of this chapter; and

(iii) Records of quarterly visual inspections as specified in 40 CFR 63.305(f)(5), including the time and date a defect is detected and repaired.

(3) A copy of the work practice plan required by 40 CFR 63.306 and any revision to the plan;

(4) If the owner or operator is required under 40 CFR 63.306(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;

(i) 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 40 CFR 63.306(b)(1);

(ii) The records required to be maintained by the plan provisions implementing 40 CFR 63.306(b)(7);

(iii) Records resulting from audits of the effectiveness of the work practice program for the particular emission point, as required under 40 CFR 63.306(b)(2)(i), 63.306(b)(3)(i), 63.306(b)(4)(i), or 63.306(b)(5)(i); and

(iv) If the plan provisions for coke oven doors must be implemented, records of the inventory of doors and jambs as required under 40 CFR 63.306(b)(2)(vi); and

(5) The design drawings and engineering specifications for the bypass/bleeder stack flare system or approved alternative control device or system as required under 40 CFR 63.307.

(6) Records specified in 40 CFR 63.310(f) regarding the basis of each malfunction notification.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

**Condition 79: Records to be provided to collective bargaining units
Effective between the dates of 04/30/2002 and 05/01/2007**

Applicable Federal Requirement: 40CFR 63.311(g), Subpart L



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Item 79.1:

Condition applies to

Emission Unit: U-COKEB

Item 79.2:

Records required to be maintained and reports required to be filed with the Administrator and/or Department under this subpart shall be made available in accordance with the requirements of this condition by the owner or operator to the authorized collective bargaining representative of the employees at a coke oven battery, for inspection and copying.

(1) Requests under this condition shall be submitted in writing, and shall identify the records or reports that are subject to the request with reasonable specificity;

(2) The owner or operator shall produce the reports for inspection and copying within a reasonable period of time, not to exceed 30 days. A reasonable fee may be charged for copying (except for the first copy of any document), which shall not exceed the copying fee charged by the Administrator and/or Department under part 2 of this chapter;

(3) Nothing in this condition shall require the production for inspection or copying of any portion of a document that contains trade secrets or confidential business information that the Administrator and/or Department would be prohibited from disclosing to the public under part 2 of this chapter; and

(4) The inspection or copying of a document under this condition shall not in any way affect any property right of the owner or operator in such document under laws for the protection of intellectual property, including the copyright laws.

**Condition 80: Existing regulations and requirements
Effective between the dates of 04/30/2002 and 05/01/2007**

Applicable Federal Requirement: 40CFR 63.312, Subpart L

Item 80.1:

Condition applies to

Emission Unit: U-COKEB

Item 80.2:

(a) The owner or operator shall comply with all applicable State implementation plan emission limits and (subject to any expiration date) all federally enforceable emission limitations which are contained in an order, decree, permit, or settlement agreement for the control of emissions from offtake systems, topside port lids, coke oven doors, and charging operations in effect on September 15, 1992, or which have been modified according to the provisions of paragraph (c) of this section.

(b) Nothing in this subpart shall affect the enforcement of such State implementation plan emission limitations (or, subject to any expiration date, such federally enforceable emission limitations contained in an order, decree, permit, or settlement agreement) in effect on September 15, 1992, or which have been modified according to the provisions in paragraph (c) of this section.

(c) No such State implementation plan emission limitation (or, subject to any expiration date, such federally enforceable emission limitation contained in an order, decree, permit, or settlement agreement) in effect on September 15, 1992, may be modified under the Act unless:

(1) Such modification is consistent with all requirements of section 110 of the Act; and either

(i) Such modification ensures that the applicable emission limitations and format (e.g., single pass v. multiday average) in effect on September 15, 1992, will continue in effect; or

(ii) Such modification includes a change in the method of monitoring (except frequency unless frequency was indicated in the State implementation plan, or subject to any expiration date, other federally enforceable requirements contained in an order, decree, permit, or settlement agreement) that is more



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stringent than the method of monitoring in effect on September 15, 1992, and that ensures coke oven emission reductions greater than the emission reductions required on September 15, 1992. The burden of proof in demonstrating the stringency of the methods of monitoring is borne by the party requesting the modification and must be made to the satisfaction of the Administrator and/or Department; or

(iii) Such modification makes the emission limitations more stringent while holding the format unchanged, makes the format more stringent while holding the emission limitations unchanged, or makes both more stringent.

(2) Any industry application to make a State implementation plan revision or other adjustment to account for differences between Method 303 in appendix A to this part and the State's method based on paragraph (c)(1)(ii) of this section shall be submitted within 12 months after October 27, 1993.

(d) Except as specified in 40 CFR 63.307(f), nothing in this subpart shall limit or affect any authority or obligation of Federal, State, or local agencies to establish emission limitations or other requirements more stringent than those specified in this subpart.

(e) Except as provided in 40 CFR 63.302(c), section 112(g) of the Act shall not apply to sources
ct to this subpart.

**Condition 81: Coal charging limit - Tonawanda Coke
Effective between the dates of 04/30/2002 and 05/01/2007**

Applicable Federal Requirement: 6NYCRR 214.3

Item 81.1:

Condition applies to

Emission Unit: U-COKEB
Process: A04 Emission Source: 00004

Item 81.2:

Under consent order 81-26, Tonawanda Coke accepted a more stringent limit than is required in this section as part of an alternate emission reduction plan allowed under 6 NYCRR Part 214.10(b). These more stringent requirements are contained as limits under the citation 6 NYCRR Part 214.10(b)

ter in this permit.

**Compliance Certification
Effective between the dates of 04/30/2002 and 05/01/2007**

Applicable Federal Requirement: 6NYCRR 214.10(b)

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-COKEB
Process: A04 Emission Source: 00004

Item 82.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:



(a) Visible emissions must not exceed 100 seconds from any five consecutive charges at a single battery when measured in accordance with the procedures set forth in paragraphs (b), (c), (d) and (e) of this condition.

(b) For the purpose of determining compliance with paragraph (a) of this condition, visible emissions are those emissions of any degree of opacity greater than zero discharged during the charging of coal to the coke oven, including emissions from the offtake piping, larry car hoppers, drop sleeves, jumper pipes, charging holes or any of the oven equipment and tools associated with this operation.

(c) In conveyor-type coal charging systems, the observer will read visible emissions only from the charging holes, offtake piping, charging buggy, drop sleeves, the interface between the charging buggy and the conveyor, the conveyor system and any other equipment associated with the charging operation subsequent to the coal feed to the conveyor. This procedure will be followed whether the conveyor system is charging the battery with wet or dry coal.

(d) Compliance will be determined by observing and timing with a cumulative stopwatch the visible emissions from each oven charged during a series of consecutive charges of a single battery. The observer will be positioned on the battery top, at a distance of five to ten ovens from the oven being charged. In the event that such a position results in an obstructed view, the observer must assume another position to allow a clear view of the emissions. The cumulative time of visible emissions during the charging of each oven must be recorded. Visible emissions discharged simultaneously from more than one point on the same oven will be timed as a single emission.

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(e) Compliance with the emission limit will be determined by summing the cumulative times for any single series of five consecutive charges and comparing this total with the appropriate standard. An obscured charge or other interruptions to the observations being made of a series of charges will not disrupt an otherwise consecutive series in calculating compliance with the emission limit. The longest cumulative time of any visible emission for a single charge in a group of any 20 charges at any battery



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will be disregarded, but will not disrupt any otherwise consecutive series in calculating compliance with the emission limit.

Compliance with this limit will be determined daily using the results of the inspection performed by the certified visible emission inspector required under 40 CFR 63 subpart L or may be determined at anytime by Department or Plant personnel.

Parameter Monitored: VISIBLE EMISSIONS

Permit Limit: 100 seconds

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement 40CFR 63.302(a)(1)(iv), Subpart L

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-COKEB

Process: A04

Emission Source: 00004

Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No owner or operator shall cause to be discharged or allow to be discharged to the atmosphere, coke oven emissions from each affected existing byproduct coke oven battery that exceed 12 seconds of visible emissions per charge. Compliance with this limit is determined according to the procedures in 40 CFR 63.309(d)(2) as 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 EPA Method 303. Recordkeeping and reporting requirements for this limit are included under the permit condition for 40 CFR 63.311.



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Parameter Monitored: VISIBLE EMISSIONS PER CHARGE

Permit Limit: 12 seconds

Reference Test Method: EPA Method 303

Monitoring Frequency: DAILY

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 84: Leaking oven door limit - Tonawanda Coke
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 6NYCRR 214.7

Item 84.1:

Condition applies to

Emission Unit: U-COKEB

Process: A04

Emission Source: 00005

Item 84.2:

Under consent order 81-26, Tonawanda Coke accepted a more stringent limit than is required in this section as part of an alternate emission reduction plan allowed under 6 NYCRR Part 214.10(b). These more stringent requirements are contained as limits under the citation 6 NYCRR Part 214.10(b)

enter in this permit.

Condition 85: Oven door maintenance
Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 6NYCRR 214.7(c)

Item 85.1:

Condition applies to

Emission Unit: U-COKEB

Process: A04

Emission Source: 00005

Item 85.2:

Any person operating a byproduct coke oven battery must implement the following work practices:

gasket-sealing coke oven doors.

(i) Each oven door will be inspected for visible emissions within one hour after the charge. A record will be made of any door leaking one hour after the charge.

(ii) Doors leaking one hour after the charge will be adjusted prior to the end of the second hour after the charge.

(iii) Each oven door leaking one hour after the charge will be reinspected for visible emissions two hours after the charge. A record will be made of any door leaking two hours after the charge.



(iv) Any door leaking two hours after each of two successive charges must be replaced with a repaired or rebuilt door prior to the next charge to that oven.

(v) An adequate supply of repaired and rebuilt doors will be maintained on site to allow the frequency of replacement necessary to comply with this section.

(vi) If a newly installed, rebuilt or repaired door leaks more than two hours after the charge, the door and jamb must be inspected when the door is next removed from the oven. If the door is found to be defective, it must be replaced with a repaired or rebuilt door to that oven as soon as it is reasonably possible, normally within two charges to that oven. If the door is not found to be defective, the jamb must be replaced as soon as it is reasonably possible.

(2) Luted doors.

(i) Luted doors leaking 15 minutes after the charge must be immediately reluted.

(ii) Doors that fail to seal after the first reluting must be recorded.

(iii) Leaks appearing after the first reluting must be reluted immediately.

(3) Chuck doors.

(i) Chuck doors must be inspected within one hour after the charge. A record must be made of any chuck door leaking one hour after the charge.

ard (ii) Chuck doors leaking one hour after the charge must be gasketed or luted, prior to the next charge to that oven.

(iii) If a freshly gasketed door is leaking one hour after the charge, the gasket or the oven door shall be replaced prior to the next charge to that oven.

(iv) If a luted chuck door is leaking one hour after the charge, it must be reluted.

(4) All doors and jambs will be cleaned completely prior to each charge.

(5) Records of inspections required by this section, including the names of inspectors, the date and time of each door inspection and ovens observed leaking must be maintained.

(6) Work practices other than the above may be substituted after approval by the commissioner.

Compliance with the leaking door requirements of 40 CFR Part 63 Subpart L will be used to determine compliance with this condition.

ork practice and maintenance plan

Effective between the dates of 04/30/2002 and 05/01/2007



Applicable Federal Requirement: 6NYCRR 214.7(d)

Item 86.1:

Condition applies to

Emission Unit: U-COKEB
Process: A04 Emission Source: 00005

Item 86.2:

Any person who owns a byproduct coke oven battery must submit a proposed work practice and maintenance plan to the office which issued the certificate to operate for that source. The work practice and maintenance plan must be approved before the byproduct coke battery may be operated.

Plan must include:

- (1) the name and title of the person responsible for oven door maintenance;
- (2) the procedures to be followed to assure compliance with 6 NYCRR Part 214.7(c);
- (3) the number of replacement doors and jambs kept on-site for each battery; and

coal charging procedures.

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 6NYCRR 214.10(b)

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-COKEB
Process: A04 Emission Source: 00005

Item 87.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

- (a) No more than 10 percent of all coke oven doors on a single battery including pusher side, coke side and chuck doors may emit visible emissions as measured in accordance with the procedure set forth in paragraph (b) of this condition.
- (b) For the purpose of determining compliance with paragraph (a) of this condition, visible emissions are those emissions of any degree of opacity greater than zero, observed to be emanating from the oven doors of a



battery. An inspection of the coke oven doors will consist of an observer or observers walking the length of a coke battery at a steady pace from a ground level position (25 to 100 feet from the battery). Each door (coke side, push side and chuck doors) is to be observed during the inspection for only that period of time necessary to determine whether or not there is a visible emission that period of time necessary to determine whether or not there is a visible emission coming from the door. The observer will then shift his attention to the adjacent door, if possible, and check for emissions in the same manner. If a temporary machine obstruction occurs, blocking the view of one or more ovens, those oven(s) will be bypassed and the remaining doors on that side of the battery will be inspected. After the traverse on that side of the battery, the bypassed ovens and only those ovens will be reinspected. Compliance will not be determined if it is not possible to reinspect the blocked ovens. Where the inspector has reason to believe that emissions emanate from a leaking chuck door within a leaking oven door, the emissions will be counted as two leaks. The percentage of leaking doors will be calculated by the following equation:

Percentage of Leaking Doors = $A/(B \times C)$, where:

A = 100 x (number of leaking doors)

B = number of doors/oven

C = number of inservice ovens/battery

The number of doors/oven is normally three -- pusher side, coke side and chuck. Compliance is determined for all doors in aggregate, not for each separate door type.

Compliance with this limit will be determined daily using the results of the inspection performed by the certified visible emission inspector required under 40 CFR 63 subpart L or may be determined at anytime by Department or Plant personnel.

Parameter Monitored: LEAKING COKE OVEN DOORS

Permit Limit: 5 percent

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



New York State Department of Environmental Conservation

64-00113/00031

Facility DEC ID: 9146400113

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

40CFR 63.302(a)(1)(i)(B'), Subpart L

dItem 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-COKEB

Process: A04

Emission Source: 00005

Item 88.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No owner or operator shall cause to be discharged or allow to be discharged to the atmosphere, coke oven emissions from each affected existing byproduct coke oven battery that exceed 5.5 percent leaking coke oven doors for each short byproduct coke oven battery. Compliance with this limit is determined according to the procedures in 40 CFR 63.309(d)(1) as the 30-run rolling average of the percent leaking coke oven doors on each coke oven battery, using the equations in sections 4.5.3.2, 5.6.5.2, and 5.6.6.2 of EPA Method 303 (or section 3.4.3.2 of Method 303A). Recordkeeping and reporting requirements for this limit are included under the permit condition for 40 CFR 63.311.

Parameter Monitored: LEAKING COKE OVEN DOORS

Permit Limit: 5.5 percent

Reference Test Method: EPA Method 303

Monitoring Frequency: DAILY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 40CFR 63.302(a)(2)(ii), Subpart L



Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-COKEB

Process: A04

Emission Source: 00005

Item 89.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

On or after January 1, 2003 unless the Administrator promulgates more stringent limits pursuant to section 112(f) of the Federal Clean Air Act, no owner or operator shall cause to be discharged or allow to be discharged to the atmosphere, coke oven emissions from each affected existing byproduct coke oven battery that exceed 5.0 percent leaking coke oven doors for each short byproduct coke oven battery. Compliance with this limit is determined according to the procedures in 40 CFR 63.309(d)(1) as the 30-run rolling average of the percent leaking coke oven doors on each coke oven battery, using the equations in sections 4.5.3.2, 5.6.5.2, and 5.6.6.2 of EPA Method 303 (or section 3.4.3.2 of Method 303A). Recordkeeping and reporting requirements for this limit are included under the permit condition for 40 CFR 63.311.

As of January 1, 2003, this condition shall replace the condition limiting the amount of door leaks included in this permit under 40 CFR 63.302(a)(1)(i)(B).

Parameter Monitored: LEAKING COKE OVEN DOORS

Permit Limit: 5.0 percent

Reference Test Method: EPA Method 303

Monitoring Frequency: DAILY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 214.8(a)

Item 90.1:

The Compliance Certification activity will be performed for:



Emission Unit: U-COKEB

Process: A04

Emission Source: 00006

Item 90.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

CHARGING HOLE LIDS. No more than two percent of all oven lids may emit visible emissions, as measured in accordance with the procedure set forth below.

For the purpose of determining compliance, visible emissions are those emissions of any degree of opacity greater than zero observed to be leaking from any point on the battery topside except from oven flue caps and between refractory bricks.

Compliance with the standard for charging hole lids will be determined while walking topside along the length of the battery, observing each oven lid for only that time necessary to determine whether or not there is a visible emission coming from the charging hold casting and lid interface, but will not include smoke from burning of smoldering excess topside coal. The observer will then shift attention to the adjacent oven lids and check for emissions in the same manner. The observer will continue this procedure along the entire length of the battery. For the purpose of inspection, an ignited dampered oven requires that a flame is observed above any one charging hole. The dampered oven will be included in the calculations for determining the percentage of leaking lids if there is no flame visible above the plane of the opening on any single charging hole. The percentage of leaking lids will be calculated by dividing the number of leaking lids by the total number of lids on the in-service ovens on the battery and multiplying by 100. Oven lids on a maximum of six dampered ovens are exempt from this procedure provided they are ignited.

Compliance with this limit will be determined daily using the results of the inspection performed by the certified visible emission inspector required under 40 CFR 63 Subpart L or may be determined at anytime by Department or Plant personnel.



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Parameter Monitored: LEAKING TOPSIDE PORT LIDS

Permit Limit: 2 percent

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

**Condition 91: Offtake piping leaks - Tonawanda Coke
Effective between the dates of 04/30/2002 and 05/01/2007**

Applicable Federal Requirement: 6NYCRR 214.8(b)

Item 91.1:

Condition applies to

Emission Unit: U-COKEB

Process: A04

Emission Source: 00006

Item 91.2:

Under consent order 81-26, Tonawanda Coke accepted a more stringent limit than is required in this section as part of an alternate emission reduction plan allowed under 6 NYCRR Part 214.10(b). These more stringent requirements are contained as limits under the citation 6 NYCRR Part 214.10(b)

refer in this permit.

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement: 40CFR 63.302(a)(1)(ii), Subpart L

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-COKEB

Process: A04

Emission Source: 00006

Item 92.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No owner or operator shall cause to be discharged or allow to be discharged to the atmosphere, coke oven emissions from each affected existing byproduct coke oven battery that exceed 0.6 percent leaking coke oven topside port lids. Compliance with this limit is determined according to the procedures in 40 CFR 63.309(d)(1) as the



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30-run rolling average of the percent leaking topside port lids on each coke oven battery, using the equations in sections 4.5.3.2, 5.6.5.2, and 5.6.6.2 of EPA Method 303 (or section 3.4.3.2 of Method 303A). Recordkeeping and reporting requirements for this limit are included under the permit condition for 40 CFR 63.311.

Parameter Monitored: LEAKING TOPSIDE PORT LIDS

Permit Limit: 0.6 percent

Reference Test Method: EPA Method 303

Monitoring Frequency: DAILY

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 214.10(b)

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-COKEB

Process: A04

Emission Source: 00007

Item 93.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OFFTAKE PIPING. No more than 10 percent of the offtake piping on a single battery may emit visible emissions, as measured in accordance with the procedure set forth below.

For the purpose of determining compliance, visible emissions are those emissions of any degree of opacity greater than zero observed to be leaking from any point on the battery topside except from oven flue caps and between refractory bricks.

Compliance with the standard for offtake piping will be determined while walking topside as close as possible to the centerline of the battery and observing the offtake piping of each oven for only that time necessary to determine whether or not there is a visible emission



coming from the offtake piping on that oven. In the event such positioning results in an obstructed view, the observer may assume other positioning to allow a clear view of the emissions. The observer will then shift attention to the adjacent offtake piping and check for emissions in the same manner. The observer will continue this procedure along the entire length of the battery. For the purpose of inspection, an ignited dampered oven requires that a flame is observed above any offtake piping cap opening on the offtake pipe. The percentage of leaking offtake piping will be calculated by dividing the number of leaking offtake piping by the total number of offtake piping on the in-service ovens on the battery and multiplying by 100. Offtake piping on an oven being charged and on a maximum of six dampered ovens, including an oven being pushed is exempt from this procedure provided that emissions from the dampered ovens are ignited once the oven is dampered.

s20 Compliance with this limit will be determined daily using the results of the inspection performed by the certified visible emission inspector required under 40 CFR 63 subpart L or may be determined at anytime by Department or Plant personnel.

Parameter Monitored: LEAKING OFFTAKE SYSTEMS

Permit Limit: 5 percent

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement 40CFR 63.302(a)(1)(iii), Subpart L

Item 94.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-COKEB

Process: A04

Emission Source: 00007



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Item 94.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No owner or operator shall cause to be discharged or allow to be discharged to the atmosphere, coke oven emissions from each affected existing byproduct coke oven battery that exceed 3.0 percent leaking coke oven offtake system(s). Compliance with this limit is determined according to the procedures in 40 CFR 63.309(d)(1) as the 30-run rolling average of the percent leaking offtake system(s) on each coke oven battery, using the equations in sections 4.5.3.2, 5.6.5.2, and 5.6.6.2 of EPA Method 303 (or section 3.4.3.2 of Method 303A). Recordkeeping and reporting requirements for this limit are included under the permit condition for 40 CFR 63.311.

Parameter Monitored: LEAKING OFFTAKE SYSTEMS

Permit Limit: 3.0 percent

Reference Test Method: EPA Method 303

Monitoring Frequency: DAILY

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Tonawanda Coke - Alternate plan

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 214.4

Item 95.1:

Condition applies to

Emission Unit: U-COKEB

Process: A04

Emission Source: 00008

Item 95.2:

As part of consent order 81-27 and as allowed under 6 NYCRR Part 214.10(b), Tonawanda Coke was granted an alternate emission reduction plan which placed more restrictive requirements on certain areas of the coke ovens in exchange for the requirement in this section which mandates the installation of a coke pushing and transport to quench tower emission control system. These more restrictive requirements are contained later in this permit under the citation 6 NYCRR Part 214.10(b).

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 214.5

Item 96.1:

Air Pollution Control Permit Conditions

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The Compliance Certification activity will be performed for:

Emission Unit: U-COKEB

Process: A04

Emission Source: 00009

Item 96.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

(a) A person may not operate a wet quench tower of a coke oven battery unless it is equipped with a baffle system designed to effectively reduce particulate emissions during quenching.

(b) Except as provided in paragraph (c) of this condition, the total dissolved solids concentration of any quench tower makeup water must not exceed 1,600 milligrams per liter (mg/l). Compliance with this limit will be determined by taking the arithmetic average of the total dissolved solids concentrations of each of four samples of makeup water obtained at 15-minute intervals. The total dissolved solids concentration of an individual sample will be determined by the latest American Society for Testing and Materials method or equivalent in which the drying temperature must be 103 °C.

(c) Total dissolved solids concentrations from make-up water may exceed 1600 mg/l if it can be shown that particulate emissions from the quench tower do not exceed .45 pounds per ton of coal charged through an emissions test conducted in compliance with 6 NYCRR Part 214.11(c). If such demonstration is made, the actual average concentration of the quench tower make-up water used during the test will become an acceptable maximum limit for the tested quench tower. If the source owner wants to use make-up water with a higher concentration than used during the quench tower emissions test, additional testing may be required.

Parameter Monitored: TOTAL DISSOLVED SOLIDS

Upper Permit Limit: 1600 milligrams per liter

g Frequency: ANNUALLY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

E MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 214.5

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-COKEB

Process: A04

Emission Source: 00010

Item 97.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

(a) A person may not operate a wet quench tower of a coke oven battery unless it is equipped with a baffle system designed to effectively reduce particulate emissions during quenching.

(b) Except as provided in paragraph (c) of this condition, the total dissolved solids concentration of any quench tower makeup water must not exceed 1,600 milligrams per liter (mg/l). Compliance with this limit will be determined by taking the arithmetic average of the total dissolved solids concentrations of each of four samples of makeup water obtained at 15-minute intervals. The total dissolved solids concentration of an individual sample will be determined by the latest American Society for Testing and Materials method or equivalent in which the drying temperature must be 103 °C.

(c) Total dissolved solids concentrations from make-up water may exceed 1600 mg/l if it can be shown that particulate emissions from the quench tower do not exceed .45 pounds per ton of coal charged through an emissions test conducted in compliance with 6 NYCRR Part 214.11(c). If such demonstration is made, the actual average concentration of the quench tower make-up water used during the test will become an acceptable maximum limit for the tested quench tower. If the source owner wants to use make-up water with a higher concentration than used



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during the quench tower emissions test, additional testing may be required.

Parameter Monitored: TOTAL DISSOLVED SOLIDS

Upper Permit Limit: 1600 milligrams per liter

g Frequency: ANNUALLY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

E MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 214.6

Item 98.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-COKEB Emission Point: STAC2

Item 98.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

(a) Particulate emissions from any waste heat stack must not exceed 0.050 grains per dry standard cubic foot and the average opacity of emissions from such stack must not exceed 20 percent as measured in accordance with the procedures set forth in paragraph (b) of this condition.

(b) For the purpose of determining compliance with paragraph (a) of this condition, the observer must stand at a distance sufficient to provide a clear view of the waste heat stack with the sun oriented in the 140 sector of his back. The observer will, as much as possible, make his observations from a position where his line of vision is perpendicular to the plume direction. The opacity of emissions will be computed by averaging the results of 24 consecutive opacity observations made at 15-second intervals.



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Parameter Monitored: OPACITY
Permit Limit: 20 percent
Monitoring Frequency: WEEKLY
Averaging Period: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 214.6

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-COKEB Emission Point: STAC2

Item 99.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

(a) Particulate emissions from any waste heat stack must not exceed 0.050 grains per dry standard cubic foot and the average opacity of emissions from such stack must not exceed 20 percent as measured in accordance with the procedures set forth in paragraph (b) of this condition.

(b) For the purpose of determining compliance with paragraph (a) of this condition, the observer must stand at a distance sufficient to provide a clear view of the waste heat stack with the sun oriented in the 140 sector of his back. The observer will, as much as possible, make his observations from a position where his line of vision is perpendicular to the plume direction. The opacity of emissions will be computed by averaging the results of 24 consecutive opacity observations made at 15-second intervals.

Compliance with this requirement will be based maintaining compliance with the associated opacity limit of 20 percent. However, the Department reserves the right to require or conduct an emission test at any time.



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monitored: PARTICULATES

Upper Permit Limit: 0.05 grains per dscf
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

NOx RACT for Battery Heating

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 214.9(b)

Item 100.1:

Condition applies to

Emission Unit: U-COKEB Emission Point: STAC2

Item 100.2:

Tonawanda Coke submitted a NOx RACT plan per the requirements of 6 NYCRR Part 214.9(b). The plan which was approved by the Department showed that the only feasible NOx control technology for a coke oven battery is a total battery rebuild. The cost for this technology is well beyond RACT. Therefore, NOx RACT for the Tonawanda coke oven battery is no control. Should Tonawanda Coke ever rebuild the coke oven battery, a new NOx RACT evaluation must be performed.

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 214.9(a)

Item 101.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-COKEB Emission Point: STAC2
Process: A04 Emission Source: 00011

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 101.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Representative samples of coal charged to the coke ovens must be analyzed for sulfur content. The sulfur content



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must be determined to be no greater than 1% by weight to limit SO2 emissions from the waste heat stack.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Material: BITUMINOUS COAL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.0 percent by weight

Monitoring Frequency: WEEKLY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Compliance Certification

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable Federal Requirement:

6NYCRR 212.6(a)

Item 102.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-COKES

Process: A12

Emission Source: 00012

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 102.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance with this requirement shall be determined by the facility owner/ operator conducting a visible emissions observation of all emission points, during daylight hours, except during conditions of extreme weather (fog, snow, rain). If any visible emissions are identified, Tonawanda Coke must determine if corrective action is required or if the visible emissions are part of normal plant operation and the opacity is below 20 percent six minute average.



Records of observations are to be maintained, including explanations for days when weather conditions are prohibitive, on-site for a period of five years.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Parameter Monitored: OPACITY
Permit Limit: 20 percent
Reporting Frequency: WEEKLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

**STATE ONLY ENFORCEABLE CONDITIONS******** Facility Level ********Condition 103:20 Unavoidable noncompliance and violations**
Effective between the dates of 04/30/2002 and 05/01/2007**Applicable State Requirement:****6NYCRR 201-1.4**

Item 103.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment 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 commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be



applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 104: General Provisions

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable State Requirement:

6NYCRR 201-5.

Item 104.1:

This section contains terms and conditions that are not federally enforceable and are not required under the Act or under any of its applicable requirements. Terms and conditions so designated are not subject to the requirements of Section 201-6.4 of Part 201.

Item 104.2:

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.

Item 104.3:

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.

Permit Exclusion Provisions

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable State Requirement:

6NYCRR 201-5.

Item 105.1:

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 currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant 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 by the Department and the receipt thereof by the Applicant does not supercede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements



contained in such order or modification thereof unless specifically intended by this permit.

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 the right of the Department to bring any future action, or pursue any pending action, either administrative or judicial, to required remediation, contribution for costs incurred or funds expended, for any violations, past, present or future, known or unknown, of applicable federal law, the ECL, or the rules and regulations promulgated thereunder, or conditions contained in any other licenses or permits issued to the Applicant and not sed in this permit.

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 the right of the Department to pursue any claims for natural resource damages against the Applicant.

Condition 106: Contaminant List

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable State Requirement:

6NYCRR 201-5.3(b)

Item 106.1:

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

CAS No: 007664-41-7
Name: AMMONIA

CAS No: 000071-43-2
Name: BENZENE

CAS No: 0NY100-00-0
Name: HAP

CAS No: 0NY075-00-0
Name: PARTICULATES

CAS No: 007446-09-5
Name: SULFUR DIOXIDE

Air pollution prohibited

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable State Requirement:

6NYCRR 211.2

Item 107.1:

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



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particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

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**** Emission Unit Level ****

Compliance Demonstration

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable State Requirement:

6NYCRR 212.9(a)

Item 108.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-ACBLD Emission Point: ACBD1
Process: A14 Emission Source: 00014

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 108.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No control is required for emissions from this source. A BACT analysis performed by the facility and approved by the Department indicated that no control was technically or economically feasible at this source.

Tonawanda Coke must reevaluate the BACT analysis for this source once during the permit term and submit the BACT analysis to the Department for review and approval. If the BACT analysis determines that emissions should be controlled, Tonawanda Coke must submit a permit modification and schedule for construction within 30 days of the Department's approval of the BACT analysis.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Compliance Demonstration

Effective between the dates of 04/30/2002 and 05/01/2007



Applicable State Requirement:

6NYCRR 212.9(a)

Item 109.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-ACBLD Emission Point: ACBD2
Process: A14 Emission Source: 00014

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 109.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No control is required for emissions from this source. A BACT analysis performed by the facility and approved by the Department indicated that no control was technically or economically feasible at this source.

Tonawanda Coke must reevaluate the BACT analysis for this source once during the permit term and submit the BACT analysis to the Department for review and approval. If the BACT analysis determines that emissions should be controlled, Tonawanda Coke must submit a permit modification and schedule for construction within 30 days of the Department's approval of the BACT analysis.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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

Compliance Demonstration

Effective between the dates of 04/30/2002 and 05/01/2007

Applicable State Requirement:

6NYCRR 212.3(a)

Item 110.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-LOSTG Emission Point: LOSTG
Process: A24 Emission Source: 00024

Regulated Contaminant(s):

CAS No: 000071-43-2 BENZENE



Item 110.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Tonawanda coke will maintain records of light oil throughput on a quarterly basis and use these records to calculate the hourly benzene emissions from the light oil storage tank. Should benzene emissions exceed 1 pound per hour, Tonawanda coke shall connect the vent of the light oil storage tank to the coke oven gas suction main within 60 days.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Initial report is due 7/30/02.

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