



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 9-0622-00003/00071
Effective Date: 09/09/2008 Expiration Date: 09/08/2013

Permit Issued To: CUMMINS INC
4720 BAKER ST EXT
LAKEWOOD, NY 14750-9762

Facility: CUMMINS INC - JAMESTOWN ENGINE PLANT
4720 BAKER ST EXT
LAKEWOOD, NY 14750

Contact: DAVID L BURLEE
CUMMINS INC
4720 BAKER ST EXT
LAKEWOOD, NY 14750-9766
(716) 456-2929

Description:

Cummins Engine Company, Inc., Jamestown Engine Plant operates a diesel engine manufacturing facility located in the City of Lakewood, Chautauqua County, New York. The facility processes include various dry and wet machining, fabricating and washing of diesel engine parts. The engine parts are assembled into complete engines and painted following final assembly. The facility also operates engine test cells for production, research and endurance testing.

PROJECT DESCRIPTION:

The current permit action includes the Title V permit renewal application. The renewal permit consists primarily of updates pertaining to existing equipment, operational, and monitoring changes.

EMISSIONS AND CONTROLS:

The air pollution sources at Cummins Engine emit air pollutants consisting mainly of volatile organic compounds (VOCs), hazardous air pollutants (HAPs), particulate matter, and combustion emissions such as nitrogen oxides (NOx) and sulfur dioxide (SO₂).

Cummins Engine is a major source of VOC emissions since its potential to emit (PTE) VOCs is greater than the Title V threshold value of 50 ton per year (tpy). VOC emissions are primarily generated from the surface coating operations and are reduced by using compliant coatings.

The potential NOx emissions at the facility are greater than the major facility threshold of 100 tpy for Title Permitting. The NOx emissions are produced primarily by combustion of diesel fuel in the engine test cells. There are no NOx controls on the test cells.



Potential and actual particulate emissions from the facility are less than 100 tpy. Cummins Engine uses particulate control equipment to reduce emissions from the manufacturing and surface coating operations.

Cummins Engine has accepted certain permit limits on VOC, total HAP, individual HAPs and SO₂ emissions.

APPLICABLE REQUIREMENTS:

6NYCRR Part 201-7 - Federal Enforceable Emission Caps:

Cummins Engine has accepted facility-wide limitations on total HAP and individual HAP emissions below 45,000 pounds per year (lbs/yr) and 19,000 lbs/yr, respectively, to avoid applicability to 40 CFR 63 Subpart DDDDD - NESHAP for Industrial Boilers, 40 CFR 63 Subpart MMMM - NESHAP for Surface Coating of Miscellaneous Metal Parts and Products and 40 CFR 63 Subpart PTTTT - NESHAP for Engine Test Cell/Standards. The permit requirements used to demonstrate compliance with the emission limits include monthly emission calculations.

Cummins Engine limits SO₂ emissions to less than 245 tpy as determined by summing the individual monthly emissions during any consecutive 12 month period. Cummins has accepted these emission limitations to remain below the major source thresholds of 40 CFR 52 - Prevention of Significant Deterioration. Demonstration of compliance with the emission limit is achieved through monthly emission calculations based on actual fuel usage in the dual fuel boilers capable of firing distillate oil and natural gas.

Cummins Engine limits VOC emissions from Emission Unit 2-PAINT to less than 95,800 lbs/yr in any consecutive rolling 12 month period. This limit was adopted in Air State Facility Permit #9-0622-00003/00067 when the facility applied for a project in 1997 to modify this emission unit from the manner in which it was then configured and operated. The VOC emissions from the project itself were limited to less than 39 tpy as determined by summing the VOC consumption from the project during any consecutive 12 month period. Part 231-2 New Source Review was, therefore, not required for the project. Actual VOC emissions prior to the change were 8.9 tpy. Total VOC emissions from this emission unit were capped so as not to exceed 47.9 tpy (95,800 lbs/yr). The permit requirements used to demonstrate compliance with the emission limits include monthly emission calculations.

6NYCRR Part 212 - General Process Emission Sources:

Particulate emissions are generated from emission units 2-PAINT and 3-MANUF. The affected sources are subject to an allowable particulate emission rate. Compliance with this regulation for the paint spray booths is accomplished by using spray booth filters, weekly inspections, and weekly differential pressure measurements. Compliance with the particulate emission rate from the manufacturing processes is completed through weekly inspections and weekly differential pressure measurements of the control equipment.

Emission unit 3-MANUF is subject to an allowable opacity limit. Weekly visible emission observations are completed to demonstrate compliance with this opacity limit.

Emission Unit 1-ENGTC is subject to an allowable opacity limit. White, blue or black smoke may be emitted from the engine exhaust during an engine cold start, idling or low load operation. Compliance with this limit is accomplished through periodic Method 9



opacity observations.

6NYCRR Part 225-1.2 - Fuel Sulfur Limits:

The three boilers shall not use any distillate fuel oil which has a sulfur content greater than 1.5 percent sulfur by weight. Supplier certifications are used to demonstrate compliance with this requirement.

6NYCRR Part 226 - Cold Cleaning Degreasers:

Cold batch cleaning processes used in the manufacturing processes are required to satisfy equipment specifications and operating procedures as specified in 6NYCRR part 226.

6NYCRR Part 227-2 - Stationary Combustion Installations NOx Emissions:

An annual boiler tune-up is required for the three small boilers at the facility to demonstrate compliance with the Reasonably Available Control Technology (RACT) requirements for NOx emissions. The engine test cells are exempt from the NOx RACT requirements of this regulation.

6NYCRR Part 228 - Surface Coating Processes VOC Emissions:

The surface coating processes are subject to the RACT requirements of 6NYCRR Part 228 for VOC emissions. Compliance with this requirement is maintained through use of compliant coatings having a maximum VOC content of 3.5 pounds per gallon, as applied. Manufacturer certifications are kept on-site to demonstrate compliance. In addition, annual sampling and analysis of two solvent-based coatings are completed to verify manufacturing data.

Emission unit 2-PAINT is subject to an allowable opacity limit. Weekly visible emission observations are completed to demonstrate compliance with this emission limit.

40CFR60.116b(b) - NSPS Subpart Kb:

The fuel storage vessels for the engine test cells are required to maintain on-site records showing the dimensions of the storage vessels and an analysis showing the capacity of the storage vessels. The records must be maintained for five years.

NON-APPLICABLE REQUIREMENTS:

40 CFR 63 Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial/Commercial/Institutional Boilers and Process Heaters:

Cummins Engine is not subject to 40 CFR 63 Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters. The facility is limiting the total and individual hazardous air pollutant emissions to less than major source thresholds.

40 CFR 63 Subpart MMMM - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products:

Cummins Engine is not subject to 40 CFR 63 Subpart MMMM - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products. The facility is limiting the total and individual hazardous air pollutant emissions to less than major source thresholds.



40 CFR 63 Subpart P P P P P - National Emission Standard for Hazardous Air Pollutants for Engine Test Cell/Stand:

Cummins Engine is not subject to 40 CFR 63 Subpart P P P P P - National Emission Standards for Hazardous Air Pollutants: Engine Test Cell Stands. The facility is limiting the facility wide total and individual hazardous air pollutant emissions to less than major source thresholds.

40 CFR 64 - Compliance Assurance Monitoring:

Cummins does not operate Pollutant Specific Emission Units (PSEU) at a major source that use a control device to achieve compliance with any emission limit or standard. The particulate limit is applicable to each emission point using a control device. The particulate sources which vent to control equipment and through separate emission points do not exceed a pre-control emission rate of 100 tons per year. Therefore, Cummins is not subject to the Compliance Assurance Monitoring (CAM) requirements.

APPLICABLE REGULATIONS NOT INCLUDED:

40CFR 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines:

Cummins Engine manufactures Stationary Compression Ignition Internal Combustion Engines that are subject to 40CFR60 Subpart IIII. This regulation is not included in this Title V permit because these engines are tested at a Cummins Engine facility located in the State of Indiana where compliance with this regulation is maintained and monitored.

40CFR 86 Subpart N - Emission Regulations for Diesel heavy Duty Engines; Gaseous and Particulate Exhaust Test Procedures:

Cummins Engine manufactures heavy-duty diesel engines subject to the emission test procedures specified in 40CFR86 Subpart N. This regulation is not included in this Title V permit because compliance with this regulation is maintained and audited by the USEPA.

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 included as part of this permit.

Permit Administrator: DOUGLAS E BORSCHEL
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 compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

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



DEC GENERAL CONDITIONS

**** General Provisions ****

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, modifications and transfers

Applicable State Requirement: 6NYCRR 621.11

Item 3.1:

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

Item 3.2:

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



Item 3.3:

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

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

Item 4.1:

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.

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

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

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2999
(716) 851-7165



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: CUMMINS INC
4720 BAKER ST EXT
LAKEWOOD, NY 14750-9762

Facility: CUMMINS INC - JAMESTOWN ENGINE PLANT
4720 BAKER ST EXT
LAKEWOOD, NY 14750

Authorized Activity By Standard Industrial Classification Code:
3519 - INTERNAL COMBUSTION ENGINES

Permit Effective Date: 09/09/2008

Permit Expiration Date: 09/08/2013



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

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

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 201-6.5(e): Compliance Certification
- 7 6NYCRR 202-2.1: Compliance Certification
- 8 6NYCRR 202-2.5: Recordkeeping requirements
- 9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6NYCRR 200.7: Maintenance of Equipment
- 11 6NYCRR 201-1.7: Recycling and Salvage
- 12 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 14 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 15 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 16 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 17 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 18 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 19 6NYCRR 202-1.1: Required Emissions Tests
- 20 6NYCRR 211.3: Visible Emissions Limited
- 21 40CFR 68: Accidental release provisions.
- 22 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6NYCRR 201-6: Emission Unit Definition
- 24 6NYCRR 201-6.5(c)(3): Compliance Certification
- 25 6NYCRR 201-6.5(f): Compliance Certification
- 26 6NYCRR 201-6.5(g): Non Applicable requirements
- 27 6NYCRR 201-7: Facility Permissible Emissions
- *28 6NYCRR 201-7: Capping Monitoring Condition
- *29 6NYCRR 201-7: Capping Monitoring Condition
- *30 6NYCRR 201-7: Capping Monitoring Condition

Emission Unit Level

- 31 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 32 6NYCRR 201-6: Process Definition By Emission Unit
- 33 6NYCRR 201-7: Emission Unit Permissible Emissions



EU=1-ENGTC,Proc=E01

34 6NYCRR 212.6(a): Compliance Certification

EU=1-ENGTC,Proc=E02

35 6NYCRR 212.6(a): Compliance Certification

EU=1-ENGTC,Proc=E03

36 40CFR 60.116b(a), NSPS Subpart Kb: Compliance Certification

37 40CFR 60.116b(b), NSPS Subpart Kb: Compliance Certification

EU=2-PAINT

*38 6NYCRR 201-7: Capping Monitoring Condition

39 6NYCRR 212.4(c): Compliance Certification

40 6NYCRR 228.4: Compliance Certification

41 6NYCRR 228.5: Compliance Certification

42 6NYCRR 228.7: Compliance Certification

43 6NYCRR 228.10: Compliance Certification

EU=3-MANUF

44 6NYCRR 212.4(c): Compliance Certification

45 6NYCRR 212.6(a): Compliance Certification

46 6NYCRR 226: Compliance Certification

EU=5-HEATG

47 6NYCRR 225-1.2(a)(2): Compliance Certification

48 6NYCRR 227-1.3(a): Compliance Certification

49 6NYCRR 227-2.4(d): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

50 ECL 19-0301: Contaminant List

51 6NYCRR 201-1.4: Unavoidable noncompliance and violations

52 6NYCRR 211.2: Air pollution prohibited

NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

Item A: Emergency Defense - 6NYCRR Part 201-1.5

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

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

(1) An emergency occurred and that the facility owner and/or

operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;

(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The facility owner and/or operator notified the Department

within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

Item B: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 201-1.10(b)

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 and Section 114(c) of the Act.



- Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.
- Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)**
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 stay any permit condition.
- Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR Part 201-6.5(a)(5)**
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.
- Item H: Property Rights - 6 NYCRR Part 201-6.5(a)(6)**
This permit does not convey any property rights of any sort or any exclusive privilege.
- Item I: Severability - 6 NYCRR Part 201-6.5(a)(9)**



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.

Item J: Permit Shield - 6 NYCRR Part 201-6.5(g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. 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 or at the time of 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.

Item K: Reopening for Cause - 6 NYCRR Part 201-6.5(i)

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.

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.

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.

Item L: Permit Exclusion - ECL 19-0305

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



- (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 a responsible official, consistent with Section 201-6.3 of this Part 201.

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(2)

Item 4.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, 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 5: Compliance Certification

Effective between the dates of 09/09/2008 and 09/08/2013

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

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 (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 above paragraphs (1) or (2) 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) and (2) 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 paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. 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. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

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 Quality Assurance (BQA) 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.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 09/09/2008 and 09/08/2013

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



Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance certifications shall contain the following information:

- 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.

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.

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:



department upon request during normal business hours.

Condition 9: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:6NYCRR 215

Item 9.1:

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

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:6NYCRR 200.7

Item 10.1:

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.

Condition 11: Recycling and Salvage
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:6NYCRR 201-1.7

Item 11.1:

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 the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:6NYCRR 201-1.8



Item 12.1:

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 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 09/09/2008 and 09/08/2013

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

Item 13.1:

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 this Subpart. 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 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.

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 09/09/2008 and 09/08/2013

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

Item 14.1:

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. 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 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.

Condition 15: Standard Requirement - Provide Information
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:6NYCRR 201-6.5(a)(4)

Item 15.1:

The owner and/or operator 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. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 16: General Condition - Right to Inspect
Effective between the dates of 09/09/2008 and 09/08/2013



Applicable Federal Requirement:6NYCRR 201-6.5(a)(8)

Item 16.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

- (i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart 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 emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and
- (iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Condition 17: Standard Requirements - Progress Reports
Effective between the dates of 09/09/2008 and 09/08/2013**

Applicable Federal Requirement:6NYCRR 201-6.5(d)(5)

Item 17.1:

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. 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.

**Condition 18: Off Permit Changes
Effective between the dates of 09/09/2008 and 09/08/2013**

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

Item 18.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the



1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

Condition 22: Recycling and Emissions Reduction
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:40CFR 82, Subpart F

Item 22.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 82.

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 23: Emission Unit Definition
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:6NYCRR 201-6

Item 23.1:

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

Emission Unit: 1-ENGTC

Emission Unit Description:

Emission Unit 1-ENGTC encompasses the emissions of combustion products from the diesel engines tested in the test cells at the facility. This emission unit includes 12 emission points and three processes as follows:

1.) Research Engine Test Cells - (Process E01, including Emission Sources TC001 through TC006 plus TC008 and corresponding emission points 00101 through 00106 plus 00108).

2.) Production Test Cells - (Process E02, including Emission Sources TC009 through TC017 and TC019. The corresponding emission points are 00110 through 00116, 00124, 00125, and 00127).

3.) Diesel Storage - (Process E03, including Emission Sources TK002 and TK003 and corresponding emission points



00208 and 00209).

4.) No-Load Test Cells - (Process E04, including Emission Sources TC021 and TC022. Corresponding Emission Points 00121 and 00122).

Previously permitted test cell TC007 (emission points 00107), as well as the CAM trailer and Cold Start Test Cell, are exempt under 6NYCRR 201-3.2(c)(43) as research and development activities.

Building(s): MAIN

Item 23.2:

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

Emission Unit: 2-PAINT

Emission Unit Description:

Emission Unit 2-PAINT includes one large main paint spray booth, a small manual paint spray booth, two paint dry ovens and a flash tunnel. The emission unit includes four emission points: one for each drying oven, one for the paint booths, and one for the flash tunnel. The paint system is used to apply paint to diesel engines manufactured at the plant. This emission unit has a PTE of greater than 10 tpy VOC and is described in Table 1 of 6NYCRR Part 228; therefore, it is subject to the VOC RACT limitations of that regulation. When the current paint system was installed, the emission unit was capped at 47.9 tpy VOC to maintain project PTE at less than the 40 tpy applicability threshold of 6NYCRR Part 231-2.

Building(s): MAIN

Item 23.3:

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

Emission Unit: 3-MANUF

Emission Unit Description:

Emission unit 3-MANUF includes emission sources associated with the manufacturing lines at the plant. The activities included in this emission unit are wet and dry machining, grinding, cleaning, and heat treating operations of primarily, but not limited to, cast iron, steel and aluminum diesel engine parts. The nine processes which directly discharge to the environment through emission points are defined according to manufacturing lines: 318 - flywheel manufacturing line; 501 - rod line manufacturing line; 503 - block line manufacturing line; 511 - camshaft manufacturing line; 514 - crankshaft manufacturing line; 515 - head line manufacturing line; 516 - AHD camline manufacturing line; M01 - miscellaneous machine washers.

Building(s): MAIN



Item 23.4:

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

Emission Unit: 4-WASTE

Emission Unit Description:

Emission Unit 4-WASTE includes waste water pre-treatment operations at the plant. An ultrafiltration waste treatment process (emission source PR010) vents through a soil biofilter (ES FL016/EP00201) for odor control. Two aeration tanks (ES TK001) which discharge directly to the environment are also included.

Building(s): MAIN
WTB

Item 23.5:

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

Emission Unit: 5-HEATG

Emission Unit Description:

Emission Unit 5-HEATG is a facility-wide activity incorporating all heating and steam generation at the facility. The primary emission points are three natural gas-fired boilers (ES BR001/EP00001, ES BR002/EP00003, and ES BR003/EP00004), each rated at 25.11 mmBtu/hr. These units are primarily fired on natural gas but also have capability to burn No. 2 fuel oil. The facility also has several natural gas fired heating units, all rated at less than 10 mmBtu/hr. Because the facility emissions of NO_x are greater than the 100 tpy threshold, the boilers are subject to the small boiler requirements of 6NYCRR Part 227-2 NO_x RACT.

Building(s): MAIN

Condition 24: Compliance Certification
Effective between the dates of 09/09/2008 and 09/08/2013

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

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:

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.

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.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 25: Compliance Certification
Effective between the dates of 09/09/2008 and 09/08/2013

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

Item 25.1:

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

Emission Unit: 1-ENGTC

Emission Unit: 2-PAINT

Emission Unit: 3-MANUF

Item 25.2:



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Plan

I. Protocol Objective

The objective of this condition is to maximize operational flexibility at the facility by building into the Title V permit the capability to make certain changes using a protocol. As provided under 6 NYCRR Part 201-6.5(f)(2), changes made under an approved protocol are not subject to the Title V permit modification provisions under 6 NYCRR Part 201-6.7.

II. Protocol

A. Criteria

1. Changes reviewed under this protocol shall be evaluated in accordance with the following criteria:

a. All underlying federal and state requirements with which the new or changed emission source must comply must exist in the Title V permit. Existing permit conditions may be amended to reference or include the new or changed emission source and any related information, and/or subject to DEC approval, new conditions proposed, to provide the appropriate monitoring parameters.

b. Any new or changed emission source shall not be part of a source project that results in a significant net emissions increase that exceeds the New Source Review (NSR) thresholds identified in 6 NYCRR Part 231-2 or 40 CFR 52.21.

c. The facility shall not use the protocol to make physical changes or changes in the method of operation of existing emissions sources that would require a new or modified federally enforceable cap either the avoid major NSR requirements or to address and comply with other Clean Air Act requirements, such as RACT. Such changes must be addressed via the significant permit modification provisions.

B. Notification Requirements for Changes Reviewed under the Protocol

1. The facility shall notify the Department in writing of the proposed change.



2. Notifications made in accordance with this protocol will include the following documentation:

a. Identification of the Title V permit emission unit, process(es), emission sources and emission points affected by the proposed change with applicable revisions to the Emission Unit structure;

b. Description of the proposed change, including operating parameters;

c. Identification and description of emissions control technology;

d. Documentation of the project's, or emission source's, compliance with respect to all state and/or federally applicable requirements, including the following steps:

i. Calculate the emission rate potential and maximum projected actual annual emission rates for all contaminants affected by the change.

ii. Submit documentation of major NSR program non-applicability for NYSDEC review and approval.

iii. Identify and evaluate the applicability of all regulations likely to be triggered by the new or changed emission source.

iv. Propose any operating and record keeping procedures necessary to ensure compliance.

e. Any other relevant information used for the evaluation of the proposed project or emission source under the Protocol.

C. Review and Approval of Changes

1. The Department shall respond to the permittee in writing with a determination within 15 days of receipt of the notification of the permittee.

2. The Department may require a permit modification, in order to impose new applicable requirements or additional permit conditions if it determines that changes proposed pursuant to notification do not meet the criteria under II. A above or that the changes may have a significant air quality impact or be otherwise potentially significant under SEQRA (6 NYCRR Part 617).

3. The Department may require that the permittee not



undertake the proposed change until it completes a more detailed review of the proposed change, which may include potential air quality impacts and/or applicable requirements. The Department's determination shall include a listing of information required for further review, if necessary.

D. Additional Compliance Obligations for Changes Made Under this Protocol

1. upon commencement of the change, the facility shall comply with all applicable requirements and permit conditions, including any amended or proposed in accordance with II.A.1.a above.
2. The facility shall provide with the semi-annual monitoring report, a summary of the changes made in accordance with this protocol and a statement of the compliance status of each. Changes reported should include all those made during the corresponding period and any earlier changes that have not yet been incorporated into the permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

Condition 26: Non Applicable requirements
Effective between the dates of 09/09/2008 and 09/08/2013

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

Item 26.1:

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

6NYCRR 227-2.4(f)(4)

Emission Unit: 1ENGTC

Reason: Emergency power generating stationary internal combustion engines, and engine test cells at engine manufacturing facilities that are utilized for either research and development purposes, reliability testing, or quality assurance performance testing are exempt from the NOx requirements of this subdivision.

40CFR 60-III.4200

Reason: Cummins Engine manufactures Stationary Compression Ignition Internal Combustion Engines that are subject to 40CFR60 Subpart III. This regulation is not included in this Title V permit because these engines are tested at a



Cummins Engine facility located in the State of Indiana where compliance with this regulation is maintained and monitored.

40CFR 63-DDDDD

Reason: Cummins is not subject to 40 CFR 63 Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters. The facility is limiting the total and individual hazardous air pollutant emissions to less than major source thresholds.

40CFR 63-MMMM

Reason: Cummins is not subject to 40 CFR 63 Subpart MMMM - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products. The facility is limiting the total and individual hazardous air pollutant emissions to less than major source thresholds.

40CFR 63-PPPPP

Reason: Cummins is not subject to 40 CFR 63 Subpart PPPPP - National Emission Standards for Hazardous Air Pollutants: Engine Test Cell Stands. The facility is limiting the facility wide total and individual hazardous air pollutant emissions to less than major source thresholds.

40CFR 64

Reason: Cummins does not operate Pollutant Specific Emission Units (PSEU) at a major source that use a control device to achieve compliance with any emission limit or standard. The particulate limit is applicable to each emission point using a control device. The particulate sources which vent to control equipment and through separate emission points do not exceed a pre-control emission rate of 100 tons per year. Therefore, Cummins is not subject to the Compliance Assurance Monitoring (CAM) requirements.

**Condition 27: Facility Permissible Emissions
Effective between the dates of 09/09/2008 and 09/08/2013**

Applicable Federal Requirement:6NYCRR 201-7

Item 27.1:

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 001330-20-7

PTE: 19,000 pounds per year

Name: XYLENE, M, O & P MIXT.



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

PTE: 490,000 pounds per year

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

PTE: 45,000 pounds per year

Condition 28: Capping Monitoring Condition
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement: 6NYCRR 201-7

Item 28.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40CFR 63-DDDDD
40CFR 63-MMMM
40CFR 63-PPPPP

Item 28.2:

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

Item 28.3:

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.

Item 28.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 28.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 28.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP
CAS No: 001330-20-7 XYLENE, M, O & P MIXT.

Item 28.7:



Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

1.) Facility-wide emissions of each individual HAP from all emission sources, including exempt and trivial activities, shall not equal or exceed 19,000 pounds per year (lbs/yr) as determined by summing the individual monthly emissions during any consecutive 12 month period.

Cummins has accepted these emission limitations below major source thresholds to avoid applicability to 40CFR63 Subpart DDDDD NESHAP for Industrial Boilers, 40 CFR 63 Subpart MMMM NESHAP for Surface Coating of Miscellaneous Metal Parts and Products, and 40 CFR 63 Subpart P P P P P NESHAP for Engine Test Cell/Stand.

2.) Currently, xylene is the only individual HAP having a potential to emit greater than 19,000 lbs/yr. As such, the facility is only required to monitor the xylene emissions for this permit limit. However, should conditions change and additional individual HAP potential emissions exceed this limit then it is the responsibility of the facility to begin the required monitoring of the other HAPs.

3.) On-going compliance monitoring of the xylene emission limit shall be documented as follows:

a.) Monthly emission calculations, as determined by summing the individual monthly emissions during any consecutive 12 month period, shall be completed to demonstrate the facility xylene emissions do not equal or exceed 19,000 lbs/yr.

b.) Facility-wide xylene emissions shall include, but are not limited to: (1) xylene emissions from the surface coating operations and (2) xylene emissions produced from exempt and trivial activities.

c.) The following or similar information shall be maintained to demonstrate the emission calculations are verifiable and enforceable:

i.) a current list of all xylene containing or producing products in use throughout the facility. This list must include: information on the manufacturer, brand, product name or code, xylene content, or other manufacturer's product specifications, material content reports or laboratory analyses providing this information;

ii.) a description of equipment used during and after



application, including type, make and model; maximum design process rate or throughput; all emission control unit information, as applicable;

iii.) a monthly log of the purchase of each xylene product (including solvents used in clean up and surface preparation), and calculations showing compliance with the emission limits. For the purpose of complying with this requirement, all xylene consumed by the processes are to be considered as being emitted into the atmosphere unless there is supporting documentation to verify a lesser amount;

iv.) all purchase orders, invoices, and other documents to support information in the monthly log.

4.) An exceedance of the 19,000 lbs/yr xylene emission limit or failure to fulfill the recordkeeping and reporting requirements constitutes a violation and shall be reported as a deviation/violation on the annual compliance certification and the semi-annual monitoring report. The compliance status of this condition shall be reported to the Department semiannually during each calendar year.

Parameter Monitored: XYLENE, M, O & P MIXT.

Upper Permit Limit: 19000 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

Condition 29: Capping Monitoring Condition
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:6NYCRR 201-7

Item 29.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40CFR 63-DDDDD

40CFR 63-MMMM

40CFR 63-PPPPP

Item 29.2:

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



Item 29.3:

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.

Item 29.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 29.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 29.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 29.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

1.) Facility-wide emissions of total HAP from all emission sources, including exempt and trivial activities, shall not equal or exceed 45,000 pounds per year (lbs/yr) as determined by summing the individual monthly emissions during any consecutive 12 month period. Cummins has accepted these emission limitations below major source thresholds to avoid applicability to 40CFR63 Subpart DDDDD NESHAP for Industrial Boilers, 40 CFR 63 Subpart MMMM NESHAP for Surface Coating of Miscellaneous Metal Parts and Products, and 40 CFR 63 Subpart P P P P P NESHAP for Engine Test Cell/Stand.

2.) On-going compliance monitoring of the total HAP emission limit shall be documented as follows:

a.) Monthly emission calculations, as determined by summing the individual monthly emissions during any consecutive 12 month period, shall be completed to demonstrate the facility total HAP emissions do not equal or exceed 45,000 lbs/yr.



b.) Facility-wide total HAP emissions shall include, but are not limited to: (1) volatile HAP emissions from the surface coating operations, (2) solid or particulate HAP emissions from the manufacturing operations, (3) HAP emissions produced from the engine test cells, and (4) HAP emissions produced from exempt and trivial activities.

c.) The following or similar information shall be maintained to demonstrate the emission calculations are verifiable and enforceable:

i.) a current list of all HAP containing or producing products in use throughout the facility. This list must include: information on the manufacturer, brand, product name or code, HAPS content, or other manufacturer's product specifications, material content reports or laboratory analyses providing this information;

ii.) a description of equipment used during and after HAP application, including type, make and model; maximum design process rate or throughput; all emission control unit information, as applicable;

iii.) a monthly log of the purchase of each HAP product (including solvents used in clean up and surface preparation), and calculations showing compliance with the emission limits. For the purpose of complying with this requirement, all volatile HAPs consumed by the processes are to be considered as being emitted into the atmosphere unless there is supporting documentation to verify a lesser amount;

iv.) all purchase orders, invoices, and other documents to support information in the monthly log.

3.) An exceedance of the 45,000 lbs/yr total HAP emission limit or failure to fulfill the recordkeeping and reporting requirements constitutes a violation and shall be reported as a deviation/violation on the annual compliance certification and the semi-annual monitoring report. The compliance status of this condition shall be reported to the Department semiannually during each calendar year.

Parameter Monitored: HAP

Upper Permit Limit: 45000 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.



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

Condition 30: Capping Monitoring Condition
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement: 6NYCRR 201-7

Item 30.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40CFR 52-A.21

Item 30.2:

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

Item 30.3:

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.

Item 30.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 30.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 30.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 30.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

1.) Facility-wide Sulfur Dioxide (SO₂) emissions are



limited to 245 tons per year (tpy) as determined by summing the individual monthly emissions during any consecutive 12 month period.

2.) The facility SO₂ emissions have the potential to exceed 245 tpy if distillate oil is fired in all three boilers each hour of the year. Cummins has accepted emission limitations below major source thresholds to ensure the facility remains a minor source in regards to 40 CFR 52 - Prevention of Significant Deterioration.

3.) On-going compliance monitoring of the SO₂ emission limit shall be documented as follows:

a.) Maintain monthly records of the amount of all fuels fired;

b.) Calculate the monthly SO₂ emissions based on AP-42 or other approved emission factors;

c.) On a monthly basis, compute the annual SO₂ emission rate by summing the previous consecutive 11 month SO₂ emissions to the current individual monthly SO₂ emissions. The monthly and 12 month total emissions shall be recorded in a log and kept on site. This log shall be made available to the Department for review during normal business hours.

4.) An exceedance of the 245 tpy SO₂ emission limit or failure to fulfill the recordkeeping and reporting requirements constitutes a violation and shall be reported as a deviation/violation on the annual compliance certification and the semi-annual monitoring report. The compliance status of this condition shall be reported to the Department semiannually during each calendar year.

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 245 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

**** Emission Unit Level ****

Condition 31: Emission Point Definition By Emission Unit
Effective between the dates of 09/09/2008 and 09/08/2013



Applicable Federal Requirement:6NYCRR 201-6

Item 31.1:

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

Emission Unit: 1-ENGTC			
Emission Point: 00101			
Height (ft.): 56	Diameter (in.): 6		
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN	
Emission Point: 00102			
Height (ft.): 56	Diameter (in.): 6		
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN	
Emission Point: 00103			
Height (ft.): 56	Diameter (in.): 6		
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN	
Emission Point: 00104			
Height (ft.): 56	Diameter (in.): 6		
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN	
Emission Point: 00105			
Height (ft.): 56	Diameter (in.): 6		
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN	
Emission Point: 00106			
Height (ft.): 56	Diameter (in.): 6		
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN	
Emission Point: 00108			
Height (ft.): 56	Diameter (in.): 6		
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN	
Emission Point: 00109			
Height (ft.): 50	Diameter (in.): 6		
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN	
Emission Point: 00121			
Height (ft.): 39	Diameter (in.): 24		
		Building: MAIN	
Emission Point: 00122			
Height (ft.): 39	Diameter (in.): 24		
		Building: MAIN	
Emission Point: 00124			
Height (ft.): 40	Diameter (in.): 36		
		Building: MAIN	
Emission Point: 00125			
Height (ft.): 40	Diameter (in.): 36		



Building: MAIN

Emission Point: 00127
Height (ft.): 40 Diameter (in.): 24

Building: MAIN

Emission Point: 00208
Height (ft.): 14 Diameter (in.): 2
NYTMN (km.): 4668.1 NYTME (km.): 139.2

Building: MAIN

Emission Point: 00209
Height (ft.): 14 Diameter (in.): 2
NYTMN (km.): 4668.1 NYTME (km.): 139.2

Building: MAIN

Item 31.2:

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

Emission Unit: 2-PAINT

Emission Point: 00020
Height (ft.): 52 Diameter (in.): 12
NYTMN (km.): 4668.1 NYTME (km.): 139.2

Building: MAIN

Emission Point: 00023
Height (ft.): 65 Diameter (in.): 29
NYTMN (km.): 4668.1 NYTME (km.): 139.2

Building: MAIN

Emission Point: 00024
Height (ft.): 64 Diameter (in.): 20
NYTMN (km.): 4668.1 NYTME (km.): 139.2

Building: MAIN

Emission Point: 00025
Height (ft.): 52 Diameter (in.): 12
NYTMN (km.): 4668.1 NYTME (km.): 139.2

Building: MAIN

Item 31.3:

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

Emission Unit: 3-MANUF

Emission Point: 00012
Height (ft.): 39 Diameter (in.): 8
NYTMN (km.): 4668.1 NYTME (km.): 139.2

Building: MAIN

Emission Point: 00027
Height (ft.): 39 Diameter (in.): 32
NYTMN (km.): 4668.1 NYTME (km.): 139.2

Building: MAIN

Emission Point: 00030
Height (ft.): 38 Diameter (in.): 18
NYTMN (km.): 4668.1 NYTME (km.): 139.2

Building: MAIN

Emission Point: 00031



Height (ft.): 39 NYTMN (km.): 4668.1	Diameter (in.): 36 NYTME (km.): 139.2	Building: MAIN
Emission Point: 00032 Height (ft.): 39 NYTMN (km.): 4668.1	Diameter (in.): 9 NYTME (km.): 139.2	Building: MAIN
Emission Point: 00033 Height (ft.): 39 NYTMN (km.): 4668.1	Diameter (in.): 9 NYTME (km.): 139.2	Building: MAIN
Emission Point: 00036 Height (ft.): 39 NYTMN (km.): 4668.1	Diameter (in.): 12 NYTME (km.): 139.2	Building: MAIN
Emission Point: 00037 Height (ft.): 39 NYTMN (km.): 4668.1	Diameter (in.): 12 NYTME (km.): 139.2	Building: MAIN
Emission Point: 00040 Height (ft.): 37 NYTMN (km.): 4668.1	Diameter (in.): 54 NYTME (km.): 139.2	Building: MAIN
Emission Point: 00041 Height (ft.): 37 NYTMN (km.): 4668.1	Diameter (in.): 54 NYTME (km.): 139.2	Building: MAIN
Emission Point: 00042 Height (ft.): 37 NYTMN (km.): 4668.1	Diameter (in.): 54 NYTME (km.): 139.2	Building: MAIN
Emission Point: 00043 Height (ft.): 37 NYTMN (km.): 4668.1	Diameter (in.): 54 NYTME (km.): 139.2	Building: MAIN
Emission Point: 00044 Height (ft.): 37 NYTMN (km.): 4668.1	Diameter (in.): 54 NYTME (km.): 139.2	Building: MAIN
Emission Point: 00045 Height (ft.): 37 NYTMN (km.): 4668.1	Diameter (in.): 54 NYTME (km.): 139.2	Building: MAIN
Emission Point: 00048 Height (ft.): 39 NYTMN (km.): 4668.1	Diameter (in.): 12 NYTME (km.): 139.2	Building: MAIN
Emission Point: 00049 Height (ft.): 37 NYTMN (km.): 4668.1	Diameter (in.): 54 NYTME (km.): 139.2	Building: MAIN
Emission Point: 00051 Height (ft.): 37	Diameter (in.): 36	



NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 00052		
Height (ft.): 37	Diameter (in.): 60	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 00053		
Height (ft.): 37	Diameter (in.): 36	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 00055		
Height (ft.): 36	Diameter (in.): 10	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 00058		
Height (ft.): 36	Diameter (in.): 12	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 00060		
Height (ft.): 39	Diameter (in.): 24	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 00061		
Height (ft.): 39	Diameter (in.): 24	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 00062		
Height (ft.): 39	Diameter (in.): 16	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 00063		
Height (ft.): 39	Diameter (in.): 12	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 00064		
Height (ft.): 39	Diameter (in.): 32	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 00065		
Height (ft.): 7	Diameter (in.): 6	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 00066		
Height (ft.): 39	Diameter (in.): 24	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 00067		
Height (ft.): 39	Diameter (in.): 12	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 00068		
Height (ft.): 39	Diameter (in.): 12	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN



Emission Point: 00076
Height (ft.): 39 Diameter (in.): 9
NYTMN (km.): 4668.1 NYTME (km.): 139.2 Building: MAIN

Emission Point: 00077
Height (ft.): 39 Diameter (in.): 10
NYTMN (km.): 4668.1 NYTME (km.): 139.2 Building: MAIN

Item 31.4:

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

Emission Unit: 4-WASTE

Emission Point: 00201
Height (ft.): 3 Length (in.): 1440 Width (in.): 504
NYTMN (km.): 4668.1 NYTME (km.): 139.2 Building: WTB

Item 31.5:

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

Emission Unit: 5-HEATG

Emission Point: 00001
Height (ft.): 41 Diameter (in.): 24
NYTMN (km.): 4668.1 NYTME (km.): 139.2 Building: MAIN

Emission Point: 00003
Height (ft.): 41 Diameter (in.): 24
NYTMN (km.): 4668.1 NYTME (km.): 139.2 Building: MAIN

Emission Point: 00004
Height (ft.): 41 Diameter (in.): 24
NYTMN (km.): 4668.1 NYTME (km.): 139.2 Building: MAIN

**Condition 32: Process Definition By Emission Unit
Effective between the dates of 09/09/2008 and 09/08/2013**

Applicable Federal Requirement:6NYCRR 201-6

Item 32.1:

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

Emission Unit: 1-ENGTC
Process: E01 Source Classification Code: 2-02-001-02

Process Description:

Process E01 includes diesel engines tested in the research engine test cells. The process includes seven emission sources (TC001 through TC006 and TC008) and their corresponding dedicated stacks (emission points 00101 through 00106 and 00108).

Emission Source/Control: TC001 - Combustion



Design Capacity: 700 horsepower (mechanical)

Emission Source/Control: TC002 - Combustion
Design Capacity: 700 horsepower (mechanical)

Emission Source/Control: TC003 - Combustion
Design Capacity: 700 horsepower (mechanical)

Emission Source/Control: TC004 - Combustion
Design Capacity: 700 horsepower (mechanical)

Emission Source/Control: TC005 - Combustion
Design Capacity: 700 horsepower (mechanical)

Emission Source/Control: TC006 - Combustion
Design Capacity: 700 horsepower (mechanical)

Emission Source/Control: TC008 - Combustion
Design Capacity: 700 horsepower (mechanical)

Item 32.2:

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

Emission Unit: 1-ENGTC

Process: E02

Source Classification Code: 2-02-001-02

Process Description:

Process E02 includes diesel engines tested in the production test cells. The process includes eight combustion emission sources (TC009 through TC016) and corresponding emission points 00109, 00124 and 00125.

Emission Source/Control: TC009 - Combustion
Design Capacity: 500 horsepower (mechanical)

Emission Source/Control: TC010 - Combustion
Design Capacity: 500 horsepower (mechanical)

Emission Source/Control: TC011 - Combustion
Design Capacity: 500 horsepower (mechanical)

Emission Source/Control: TC012 - Combustion
Design Capacity: 500 horsepower (mechanical)

Emission Source/Control: TC013 - Combustion
Design Capacity: 500 horsepower (mechanical)

Emission Source/Control: TC014 - Combustion
Design Capacity: 500 horsepower (mechanical)

Emission Source/Control: TC015 - Combustion
Design Capacity: 500 horsepower (mechanical)

Emission Source/Control: TC016 - Combustion



Design Capacity: 500 horsepower (mechanical)

Item 32.3:

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

Emission Unit: 1-ENGTC

Process: E03

Source Classification Code: 2-02-001-06

Process Description:

Process E03 includes the storage of diesel fuel in two aboveground tanks. This fuel is primarily used for engine testing.

Emission Source/Control: TK002 - Process

Design Capacity: 20 1000 gallons

Emission Source/Control: TK003 - Process

Design Capacity: 20 1000 gallons

Item 32.4:

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

Emission Unit: 1-ENGTC

Process: E04

Source Classification Code: 2-02-001-02

Process Description:

Process E04 includes completing a "final test" or "no load" test on engines that have already been painted and tested in a production test cell. The "no load" tests are performed on fully assembled engines (except for fan blades) complete with a generator, compressor, etc and ready for shipping.

Emission Source/Control: TC021 - Combustion

Design Capacity: 10 horsepower (mechanical)

Emission Source/Control: TC022 - Combustion

Design Capacity: 10 horsepower (mechanical)

Item 32.5:

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

Emission Unit: 2-PAINT

Process: P01

Source Classification Code: 4-02-025-01

Process Description:

Painting process P01 includes the entire emission unit 2-PAINT. Paint is applied to the engines manually by operators using spray guns. Up to 10 different color paints are applied to the engines. Particulates are controlled by filters. The paint booth system includes one large conveyerized paint booth (emission source PB007) in which the engines are painted. Exhaust from the large paint booth passes through a filter (emission source FL003) and is directed to one stack (EP00023). Approximately 80% of volatile organics and 100% of



process includes three rod line machining operations and three associated mist collectors. The conn. Rod broaching operation is emission source PR013, with mist collector emission source FL012 (emission point 00051). The conn. Rod transfer line gun drill process operation is emission source PR014, with mist collector emission source FL013 (emission point 00052). The conn. Rod alfining grinders are emission source MC015, with mist collector emission source FL014 (emission point 00053).

Emission Source/Control: FL012 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: FL013 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: FL014 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: MC015 - Process

Emission Source/Control: PR013 - Process

Emission Source/Control: PR014 - Process

Item 32.8:

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

Emission Unit: 3-MANUF

Process: 503

Source Classification Code: 3-09-030-04

Process Description:

Process 503 is the block line manufacturing line. This process includes nine machining units (eight rough end machines and one finish end machine) and five associated high-efficiency Farr-Tenkay dust collectors. Emission sources MC001 and MC002 are controlled by dust collector FL005 (emission point 00040); MC003 and MC004 by FL006 (emission point 00041); MC005 and MC006 by FL007 (emission point 00042); MC007 and MC008 by FL008 (emission point 00043); and MC009 by FL009 (emission point 00049).

Emission Source/Control: FL005 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: FL006 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: FL007 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: FL008 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER



Emission Source/Control: FL009 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: MC001 - Process

Emission Source/Control: MC002 - Process

Emission Source/Control: MC003 - Process

Emission Source/Control: MC004 - Process

Emission Source/Control: MC005 - Process

Emission Source/Control: MC006 - Process

Emission Source/Control: MC007 - Process

Emission Source/Control: MC008 - Process

Emission Source/Control: MC009 - Process

Item 32.9:

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

Emission Unit: 3-MANUF

Process: 511

Source Classification Code: 3-04-022-01

Process Description:

Process 511 is the camshaft manufacturing line. This process includes one natural gas-fired heater (cam line draw oven burner - emission source VN008/emission point 00076), one cooling down section (emission source VN009/emission point 00077), an acid etch (emission source PR005/emission point 00055), three IPE hardeners (ES PR001/EP 00036, ES PR002/EP00037, ES PR004/EP00058), and a machining operation (ES PR011) and associated mist collector (ES FL015/EP00081).

Emission Source/Control: VN008 - Combustion

Design Capacity: 2.6 million Btu per hour

Emission Source/Control: VN009 - Combustion

Emission Source/Control: FL015 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: PR001 - Process

Emission Source/Control: PR002 - Process

Emission Source/Control: PR004 - Process

Emission Source/Control: PR005 - Process



Emission Source/Control: PR011 - Process

Item 32.10:

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

Emission Unit: 3-MANUF

Process: 514

Source Classification Code: 3-04-022-01

Process Description:

Process 514 is the crankshaft manufacturing line. This process includes three emission sources, each having a dedicated emission point: two natural gas-fired Langley draw furnaces with rated capabilities of 2.6mm Btu/hr (ES VN004/EP00032 and ES VN005/EP00033) and a draw oven cool down section (ES VN003/EP00031). The furnaces are used to treat crankshaft parts. No control equipment is associated with this process. Some emissions occur associated with materials used for cleaning of products prior to entering the ovens.

Emission Source/Control: VN004 - Combustion

Design Capacity: 2.6 million Btu per hour

Emission Source/Control: VN005 - Combustion

Design Capacity: 2.6 million Btu per hour

Emission Source/Control: VN003 - Process

Item 32.11:

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

Emission Unit: 3-MANUF

Process: 515

Source Classification Code: 3-09-030-04

Process Description:

Process 515 is the head line manufacturing line. This process includes two line machining operations (emission sources MC010 and MC011) and two associated high-efficiency Farr-Tenkay dust collectors (ES FL010/EP00044 and ES FL011/EP00045, respectively).

Emission Source/Control: FL010 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: FL011 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: MC010 - Process

Emission Source/Control: MC011 - Process

Item 32.12:

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

Emission Unit: 3-MANUF



Process: 516 Source Classification Code: 3-04-022-01

Process Description:

Process 516 is the AHD camline manufacturing line. This process includes two machining operations (ES MC012 and MC014) (with associated mist collector (ES FL017/EP00060 and ES FL018/EP00064, respectively), an acid etch (ES PR009/EP00062), one heat treat process (ES PR007/EP00067), two hardeners (ES PR006/EP00063 and ES PR008/EP00068) and one draw oven (ES VN006/EP00065) and draw oven cooldown (ES VN007/EP00066).

Emission Source/Control: VN006 - Combustion
Design Capacity: 2.6 million Btu per hour

Emission Source/Control: VN007 - Combustion
Design Capacity: 2.6 million Btu per hour

Emission Source/Control: FL017 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: FL018 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: MC012 - Process

Emission Source/Control: MC014 - Process

Emission Source/Control: PR006 - Process

Emission Source/Control: PR007 - Process

Emission Source/Control: PR008 - Process

Emission Source/Control: PR009 - Process

Item 32.13:

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

Emission Unit: 3-MANUF

Process: M01

Source Classification Code: 4-02-025-02

Process Description:

Process M01 includes miscellaneous machine washers at the plant. These washers utilize water-based cleaners to clean and degrease engine parts. They are identified as follows:

ES WS007/EP00030 - CRANK WASHER (AT G-5)

ES WS009/EP00048 - ROD LINE ELAN WASHER (AT



S-30)

ES WS010/EP00061 - AHD CAM LINE FINISH
WASHER (AT M-4)

Emission Source/Control: WS007 - Process

Emission Source/Control: WS009 - Process

Emission Source/Control: WS010 - Process

Item 32.14:

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

Emission Unit: 4-WASTE

Process: W01

Source Classification Code: 3-09-825-99

Process Description:

Process W01 includes wastewater treatment operations at the facility. This process includes wastewater storage (emission source TK001) and treatment (emission source PR010) tanks and associated odor control filter (ES FL016/EP00201).

Emission Source/Control: FL016 - Control

Control Type: BIOLOGICAL OXIDATION

Emission Source/Control: PR010 - Process

Design Capacity: 60,000 gallons per day

Emission Source/Control: TK001 - Process

Design Capacity: 60,000 gallons per day

Item 32.15:

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

Emission Unit: 5-HEATG

Process: R01

Source Classification Code: 1-03-006-02

Process Description:

Process R01 includes three boilers used to create heat and steam for the facility. The boilers can burn either natural gas or No. 2 fuel oil. Each boiler has a rated capacity of 25.11 million Btu/hr. Process R01 is for the combustion of natural gas as the primary fuel source.

Emission Source/Control: BR001 - Combustion

Design Capacity: 25.11 million Btu per hour

Emission Source/Control: BR002 - Combustion

Design Capacity: 25.11 million Btu per hour

Emission Source/Control: BR003 - Combustion

Design Capacity: 25.11 million Btu per hour

Item 32.16:



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

Emission Unit: 5-HEATG

Process: R02

Source Classification Code: 1-03-005-02

Process Description:

Process R02 includes three boilers used to create heat and steam for the facility. The boilers can burn either natural gas or No. 2 fuel oil. Each boiler has a rated capacity of 25.11 million Btu/hr. Process R02 is for the combustion of No. 2 fuel oil as a backup fuel source.

Emission Source/Control: BR001 - Combustion

Design Capacity: 25.11 million Btu per hour

Emission Source/Control: BR002 - Combustion

Design Capacity: 25.11 million Btu per hour

Emission Source/Control: BR003 - Combustion

Design Capacity: 25.11 million Btu per hour

Condition 33: Emission Unit Permissible Emissions
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:6NYCRR 201-7

Item 33.1:

The sum of emissions from all regulated processes specified in this permit for the emission unit cited

shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: 2-PAINT

CAS No: 0NY998-00-0

Name: VOC

PTE(s): 51.7 pounds per hour

95,800 pounds per year

Condition 34: Compliance Certification
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:6NYCRR 212.6(a)

Item 34.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-ENGTC

Process: E01

Item 34.2:

Compliance Certification shall include the following monitoring:

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



Monitoring Description:

- 1.) 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.
 - 2.) On-going compliance monitoring of the opacity limit for the endurance engine test cells and the "no-load" test cells shall be monitored as follows:
 - a.) A weekly visible emission survey of each emission point shall be completed whenever a process is in operation.
 - b.) Visible emission observations shall be performed, as best as possible, at a location to obtain the proper sun angle, background, and line of sight. The observer must be knowledgeable regarding the effects on the visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor);
 - c.) Document if visible emissions are observed and whether the emissions are within normal conditions or above normal conditions. Normal conditions may be zero percent opacity for many or all emission sources;
 - d.) If visible emissions above those that are normal and in compliance are observed, an inspection of the source shall be completed, corrective action taken, and the source restored to its normal operation as expeditiously as practicable.
 - e.) If visible emissions above those that are normal continue to be present after corrections are made, then a certified trained observer shall conduct a minimum six minute opacity observation according to EPA Method 9 within the next operating day of the source;
 - f.) If an exceedance of the 20 percent opacity limit is documented during the Method 9 opacity evaluations, then the facility shall notify the Department within two business days and provide a written report of the results within 30 calendar days along with a proposed program for correction and a schedule for compliance.
 - 3.) Records shall be maintained and include the following information: date, time, staff name, results of the visible emission survey, results of any Method 9 evaluations, results of each inspection, and a description of the corrective action taken. The records shall be kept on-site and be made available to the Department upon



request.

4.) An exceedance of the 20 percent opacity limit or failure to fulfill the recordkeeping and reporting requirements constitutes a violation and shall be reported as a deviation/violation on the annual compliance certification and the semi-annual monitoring report. The compliance status of this condition shall be reported to the Department semiannually during each calendar year.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: WEEKLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

Condition 35: Compliance Certification
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 35.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-ENGTC

Process: E02

Item 35.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

1.) 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.

2.) On-going compliance monitoring of the opacity limit for the production engine test cells shall be monitored as follows:

a.) Each production engine test cell shall be equipped with an opacity meter to continuously measure opacity during each engine test. Each opacity meter shall be calibrated, at a minimum once per year, following manufacture specifications. Calibration of the monitors may be required to be completed on a more frequent basis



in accordance with manufacture recommendations or if the data indicates the need for more frequent calibration.

b.) During each engine test, if the opacity is measured to be greater than 30% opacity for a one minute interval, the test will either be aborted or a Method 9 opacity observation shall be completed. Corrective action shall be taken before the engine test is re-started. In the event opacity exceeds 30 % for longer than one minute, the facility shall log the date, time, engine test cell number, corrective action taken, and operator initials.

c.) If an exceedance of the 20 percent opacity limit is documented during the Method 9 opacity evaluations, then the facility shall notify the Department within two business days and provide a written report of the results within 30 calendar days along with a proposed program for correction and a schedule for compliance.

3.) Records shall be kept on-site and be made available to the Department upon request.

4.) An exceedance of the 20 percent opacity limit or failure to fulfill the recordkeeping and reporting requirements constitutes a violation and shall be reported as a deviation/violation on the annual compliance certification and the semi-annual monitoring report. The compliance status of this condition shall be reported to the Department semiannually during each calendar year.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

Condition 36: Compliance Certification

Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:40CFR 60.116b(a), NSPS Subpart Kb

Item 36.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-ENGTC

Process: E03



Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall keep copies of all records required by this section, except for the record required by paragraph (b) of this section, for at least 2 years. The record required by paragraph (b) of this section will be kept for the life of the source. Note: Title V requires these records to be maintained for five (5) years.

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

Subsequent reports are due every 12 calendar month(s).

Condition 37: Compliance Certification
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:40CFR 60.116b(b), NSPS Subpart Kb

Item 37.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-ENGTC

Process: E03

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be kept on site for the life of the storage vessel.

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

Subsequent reports are due every 12 calendar month(s).

Condition 38: Capping Monitoring Condition
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:6NYCRR 201-7



Item 38.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2

Item 38.2:

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

Item 38.3:

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.

Item 38.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 38.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 38.6:

The Compliance Certification activity will be performed for:

Emission Unit: 2-PAINT

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 38.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

- 1.) The volatile organic compounds (VOC) emissions from emission unit, 2-paint, shall not exceed 95,800 pounds per year (lbs/yr) in any consecutive rolling 12 month period. This limit was adopted in Air State Facility Permit #9-0622-00003/00067 when the facility applied for a



project in 1997 to modify this emission unit from the manner in which it was then configured and operated. The VOC emissions from the project itself were limited to less than 39 tons per year (tpy) as determined by summing the VOC consumption from the project during any consecutive 12 month period. Part 231-2 New Source Review was therefore not required for the project. Actual VOC emissions prior to the change were 8.9 tpy. Total VOC emissions from this emission unit were therefore capped so as not to exceed 47.9 tpy (95,800 lbs/yr).

2.) On-going compliance monitoring of the VOC emission limit shall be documented as follows:

a.) Monthly VOC emissions shall be demonstrated by maintaining records on a monthly basis of paint usage and corresponding VOC emissions, based on MSDS VOC content derived by EPA Method 24 or a Department approved equivalent.

b.) Each month, Cummins must compute from the monthly emission records, a rolling 12-month emission rate by summing the previous consecutive 11 month VOC emissions to the current individual monthly VOC emissions.

3.) A log of the 12-month rolling VOC emission estimates shall be kept on-site and be made available to the Department upon request.

4.) An exceedance of the 95,800 lbs/yr emission limit or failure to fulfill the recordkeeping and reporting requirements constitutes a violation and shall be reported as a deviation/violation on the annual compliance certification and the semi-annual monitoring report. The compliance status of this condition shall be reported to the Department semiannually during each calendar year.

Parameter Monitored: VOC

Upper Permit Limit: 95800 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

Condition 39: Compliance Certification
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 39.1:

The Compliance Certification activity will be performed for:



Emission Unit: 2-PAINT

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 39.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

1.) Emissions of solid particulates are limited to less than 0.05 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis (grains/dscf).

2.) On-going compliance monitoring of the particulate emission limit for the paint spray booths shall be monitored as follows:

a.) Each emission source shall be controlled by particulate air filter(s).

b.) Weekly differential pressure measurements and inspection of each paint spray booth shall be completed whenever a process is in normal operation.

c.) Differential pressure shall be measured between the inlet and outlet to the control device. The differential pressure transducer shall be calibrated at least annually.

d.) If any pressure measurement is recorded outside the established indicator range, then you shall inspect the source, initiate corrective action, and restore operation of the emission unit (including the control device and associated capture system) to its normal operation as expeditiously as practicable.

e.) If the problem is corrected and the pressure measurement is within the established indicator range, then the results of the investigation shall be documented;

f.) If the facility is unable to correct the problem and the pressure measurement remains outside the indicator range, then the facility shall report the results to the Department within 30 calendar days along with a proposed program for correction and a schedule for compliance.

3.) Records shall be maintained to include: (1) a log



of the weekly pressure drop measurements with reference to the approved differential pressure indicator range, (2) the date and time of the measurement, (3) corrective action taken (if any), and (4) the cause of any pressure measurements outside the indicator range (if known). The records shall be kept on-site and be made available to the Department upon request.

4.) Based on the results of the on-going compliance monitoring, if the Department determines there may be an exceedance of the 0.05 grains/dscf emission limit, then completion of an EPA Method 5 compliance test may be required.

5.) An exceedance of the 0.05 grains/dscf emissions limit or failure to fulfill the recordkeeping and reporting requirements constitutes a violation and shall be reported as a deviation/violation on the annual compliance certification and the semi-annual monitoring report. The compliance status of this condition shall be reported to the Department semiannually during each calendar year.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: WEEKLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

Condition 40: Compliance Certification
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:6NYCRR 228.4

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-PAINT

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 40.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:



1.) No person shall cause or allow emissions to the outdoor atmosphere having an average opacity of 20 percent or greater for any consecutive six-minute period from any emission source subject to Part 228.

2.) On-going compliance monitoring of the opacity limit for the surface coating processes shall be monitored as follows:

a.) A weekly visible emissions survey of each emission point shall be completed whenever a process is in operation.

b.) Visible emission observations shall be performed, as best as possible, at a location to obtain the proper sun angle, background, and line of sight. The observer must be Method 9 certified once per year and knowledgeable regarding the effects on the visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor);

c.) Record if visible emissions (>0% opacity) are observed or not. Condensing water vapor is not considered visible emissions;

d.) If visible emissions are observed, an inspection of the source shall be completed, corrective action taken, and the source restored to its normal operation as expeditiously as practicable.

e.) If the corrective actions do not eliminate visible emissions, then a trained observer shall conduct a minimum six minute opacity observation according to EPA Method 9 within the next operating day of the source;

f.) If an exceedance of the 20 percent opacity limit is documented during the Method 9 opacity evaluations, then the facility shall notify the Department within two business days and provide a written report of the results within 30 calendar days along with a proposed program for correction and a schedule for compliance.

3.) Records shall be maintained and include the following information: date, time, staff name, results of the visible emission survey, results of any Method 9 evaluations, results of each inspection, and a description of the corrective action taken. The records shall be kept on-site and be made available to the Department upon request.



4.) An exceedance of the 20 percent opacity limit or failure to fulfill the recordkeeping and reporting requirements constitutes a violation and shall be reported as a deviation/violation on the annual compliance certification and the semi-annual monitoring report. The compliance status of this condition shall be reported to the Department semiannually during each calendar year.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: WEEKLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

Condition 41: Compliance Certification
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:6NYCRR 228.5

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-PAINT

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) The owner or operator of any emission source subject to this Part must maintain and, upon request, provide the department with a certification from the coating supplier/manufacturer which verifies the parameters used to determine the actual VOC content of each as applied coating, (VOC)a, used at the facility. In addition, purchase, usage and/or production records of the coating material, including solvents, must be maintained in a format acceptable to the department and, upon request, these records must be submitted to the department. Any facility required to perform the overall removal efficiency calculation set forth in Equation 2 of this Part, must maintain records to verify the parameters used in the calculation. A facility owner or operator must maintain a record that identifies each air cleaning device that has an overall removal efficiency of at least 85



percent. Any additional information required to determine compliance with this Part must be provided to the department in a format acceptable to the department.

(b) The owner and operator of any emission source subject to this Part must, upon request by the department, use Method 311 or Method 24 as presented in Appendix A of both 40 CFR parts 63 and 60, respectively (see table 1, section 200.9 of this Title), to measure the volatile content, water content, density, volume of solids, and weight of solids in order to determine the actual VOC content of an as applied coating during a compliance demonstration.

(c) When the sampling and analysis methods referenced in subdivision (b) or (f) or paragraph (e)(2) of this section are not applicable, alternate sampling and analysis methods can be used, subject to the approval of the department and the administrator.

(d) Representatives of the department must be permitted, during reasonable business hours, to obtain coating samples for the purpose of determining compliance with this Part.

(e) When a coating line utilizes control equipment to comply with the provisions of this Part, test methods acceptable to the department must be used to determine the overall removal efficiency during a required performance test.

(1) This determination may be made by directly measuring VOC/solvent recovery and VOC/solvent usage rates where VOC/solvent recovery is the only control equipment. Methods provided for in subdivision (b) or (c) of this section must be used.

(2) For any control equipment other than VOC/solvent recovery, this determination must include provisions to determine both the efficiency of the capture system and the control equipment. The approved VOC CE test methods are provided for in the following table. Methods 204 through 204F are provided for in Appendix M of 40 CFR part 51 (see table 1, section 200.9 of the Title). The approved test methods for determining the efficiency of the control equipment are provided for in subdivision (f) of this section.

Alternative CE protocols and test methods may be allowed if the data quality objective approach or lower confidence limit approach requirements are met in conjunction with the additional criteria set forth in the EPA guidance



document entitled Guidelines for Determining Capture Efficiency (see table 1, section 200.9 of this Title). The alternative CE protocols and test methods must be approved in advance by the department. Also, the multiple line testing procedures outlined in the above guidance document can be used to determine CE if the applicable criteria are satisfied. The multiple line testing CE protocols and test methods must be approved in advance by the department.

(f) The owner and/or operator of a surface coating process must follow the applicable notification requirements, protocol requirements and test procedures of Part 202 of this Title for testing and monitoring. Depending upon conditions at a test site, one of the following test methods from Appendix A of 40 CFR part 60 (see Table 1, section 200.9 of this Title) must be used when measuring VOC concentrations of a gas stream at the inlet and outlet of a control device to determine the destruction and/or removal efficiency:

(1) Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography;

(2) Method 25, Determination of Total Gaseous Organic Emissions as Carbon; or

(3) Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer.

(g) If an air cleaning device is used, continuous monitors for the following parameters must be installed, periodically calibrated, and operated when the associated control equipment is operating:

(1) exhaust gas temperature of all incinerators;

(2) temperature rise across catalytic incinerator bed;

(3) breakthrough of VOCs on a carbon absorption unit; and

(4) any other continuous monitoring or recording device required by the department.

(h) Every owner or operator of a facility which is not subject to the VOC control requirements set forth in section 228.3 of this Part because its annual potential to emit VOCs is below the thresholds set forth in section 228.1 of this Part must maintain records in a format acceptable to the department that verify the facility's annual potential to emit VOCs. Upon request, these records



must be submitted to the department.

(i) For each ED calculation performed under section 228.3(d) of this Part, the owner or operator of the coating system must record the following and make the records available to the department upon request: the name or identification of each coating; the coating parameters used in Equation 7, the individual ED values for each coating, and the ED value calculated for the coating system.

(j) Any information or record showing noncompliance with the requirements of this Part must be reported to the department within 30 days following notice or generation of the information or record.

(k) All records required by this section must be maintained at the facility for a period of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 42: Compliance Certification
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:6NYCRR 228.7

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-PAINT

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

1.) A coating application system which is air dried or forced warm air dried at a temperature up to 90°C and is used for the surface coating of miscellaneous metal parts and products may contain a maximum of 3.5 pounds of volatile organic compounds (VOC) per gallon of coating (minus water and excluded VOC), as applied.

2.) On-going compliance monitoring of the VOC limit for the surface coating materials shall be monitored as follows:



a.) WATER-BASED COATINGS: Manufacturer certifications for each batch of water based coatings shall be maintained on-site for a period of 5 years.

b.) SOLVENT-BASED COATINGS: Once per calendar year, the facility must review usage records for the previous 12 month period and identify the highest usage of high-solids solvent-based coatings. A grab sample must be taken of the highest usage coating. In addition, one other coating (excluding water reducible coatings) shall be selected at random for sampling.

c.). All reporting, record keeping, sampling and analysis procedures stated in 6NYCRR Part 228.5 shall be followed.

d.) The Department shall be notified 10 days prior to the scheduled sample date so a Department representative may be present during the sampling. The Department has the option to collect a split sample.

3.) An exceedance of the 3.5 pounds of VOC per gallon of coating limit or failure to fulfill the recordkeeping and reporting requirements constitutes a violation and shall be reported as a deviation/violation on the annual compliance certification and the semi-annual monitoring report. The compliance status of this condition shall be reported to the Department semiannually during each calendar year.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: COATING

Parameter Monitored: VOC CONTENT

Upper Permit Limit: 3.5 pounds per gallon

Reference Test Method: EPA Method 24

Monitoring Frequency: ANNUALLY

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.

The initial report is due 1/30/2009.

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

Condition 43: Compliance Certification

Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:6NYCRR 228.10

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-PAINT



Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Within the work area(s) associated with a coating line, the owner or operator of a facility subject to this Part must:

- (a) use closed, non-leaking containers to store or dispose of cloth or other absorbent applicators impregnated with VOC solvents that are used for surface preparation, cleanup or coating removal;
- (b) store in closed, non-leaking containers spent or fresh VOC solvents to be used for surface preparation, cleanup or coating removal;
- (c) not use VOC solvents to cleanup spray equipment unless equipment is used to collect the cleaning compounds and to minimize VOC evaporation;
- (d) not use open containers to store or dispense surface coatings and/or inks unless production, sampling, maintenance or inspection procedures require operational access. This provision does not apply to the actual device or equipment designed for the purpose of applying a coating material to a substrate. These devices may include, but are not limited to: spray guns, flow coaters, dip tanks, rollers, knife coaters, and extrusion coaters;
- (e) not use open containers to store or dispose of spent surface coatings, or spent VOC solvents;
- (f) minimize spills during the handling and transfer of coatings and VOC solvents; and
- (g) beginning on January 1, 2005, clean spray guns used to apply mobile equipment repair and refinishing or color-matched coatings by one of the following:
 - (1) an enclosed spray gun cleaning system that is kept closed when not in use;
 - (2) non-atomized discharge of VOC solvent into a paint waste container that is kept closed when not in use;
 - (3) disassembling and cleaning of the spray gun in a vat that is kept closed when not in use; or
 - (4) atomized spray into a paint waste container that is fitted with a device designed to capture atomized VOC solvent emissions.

Open containers, if found, shall be covered and such deviations shall be noted in a log maintained in the operating area. The log shall include the following information:

- date and time of observation
- description of observed deviation from this permit condition
- corrective measures taken, if necessary



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

Condition 44: Compliance Certification
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: 3-MANUF

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 44.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

1.) Emissions of solid particulates are limited to less than 0.05 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis (grains/dscf).

2.) On-going compliance monitoring of the particulate emission limit for the manufacturing processes that require operation of a control device shall be monitored as described below:

a.) Weekly differential pressure measurements and inspection of the dust collectors and mist collectors associated with these emission sources shall be completed whenever a process is in normal operation. The purpose of the weekly differential pressure measurements is to detect changes in the long term performance of the control device such as blinding of the fabric of a baghouse collector.

b.) Differential pressure shall be measured between the inlet and outlet to the control device. The differential pressure transducer shall be calibrated annually or as required by the manufacture.

c.) If any pressure measurement is recorded outside the indicator range, then you shall inspect the source,



initiate corrective action, and restore operation of the emission unit (including the control device and associated capture system) to its normal operation as expeditiously as practicable.

d.) If the facility is unable to correct the problem and the pressure measurement remains outside the indicator range, then the facility shall report the results to the Department within 30 calendar days along with a proposed program for correction and a schedule for compliance.

3.) Records shall be maintained to include: (1) a log of the weekly pressure drop measurements with reference to the approved differential pressure indicator range, (2) the date and time of the measurement, (3) corrective action taken (if any), and (4) the cause of any pressure measurements outside the indicator range (if known). The records shall be kept on-site and be made available to the Department upon request.

4.) Based on the results of the on-going compliance monitoring, if the Department determines there may be an exceedance of the 0.05 grains/dscf emission limit, then completion of an EPA Method 5 compliance test may be required.

5.) Each Method 5 stack test exceeding the 0.05 grains/dscf emissions limit shall be reported as a deviation on the annual compliance certification and the semi-annual monitoring report. The compliance status of this condition shall be reported to the Department semiannually during each calendar year.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: WEEKLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

Condition 45: Compliance Certification
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:6NYCRR 212.6(a)

Item 45.1:

The Compliance Certification activity will be performed for:



Emission Unit: 3-MANUF

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 45.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

1.) 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.

2.) On-going compliance monitoring of the opacity limit for the manufacturing processes shall be monitored as follows:

a.) A weekly visible emission survey of each emission point shall be completed whenever a process is in operation.

b.) Visible emission observations shall be performed, as best as possible, at a location to obtain the proper sun angle, background, and line of sight. The observer must be knowledgeable regarding the effects on the visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor);

c.) Document if visible emissions (>0%) are observed or not. Condensing water vapor is not considered visible emissions;

d.) If visible emissions are observed, an inspection of the source shall be completed, corrective action taken, and the source restored to its normal operation as expeditiously as practicable.

e.) If the corrective actions do not eliminate visible emissions, then a certified trained observer shall conduct a six minute opacity observation according to EPA Method 9 within the next operating day of the source;

f.) If an exceedance of the 20 percent opacity limit is documented during the Method 9 opacity evaluations, then the facility shall notify the Department within two business days and provide a written report of the results within 30 calendar days along with a proposed program for correction and a schedule for compliance.



3.) Records shall be maintained and include the following information: date, time, staff name, results of the visible emission survey, results of any Method 9 evaluations, results of each inspection, and a description of the corrective action taken. The records shall be kept on-site and be made available to the Department upon request.

4.) An exceedance of the 20 percent opacity limit or failure to fulfill the recordkeeping and reporting requirements constitutes a violation and shall be reported as a deviation/violation on the annual compliance certification and the semi-annual monitoring report. The compliance status of this condition shall be reported to the Department semiannually during each calendar year.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

Condition 46: Compliance Certification

Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement:6NYCRR 226

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: 3-MANUF

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

6NYCRR 226. Requirements for Cold Cleaning Degreasers
(For Title V after 12/31/2003)

A. Equipment Specifications

The following types of control equipment must be used when conducting cold cleaning degreasing, solvent metal



cleaning:

- (1) A cover which can be operated easily.
- (2) An internal drainage facility (under cover), if practical.
- (3) A control system that limits VOC emissions to those achievable with equipment having a freeboard ratio greater than or equal to 0.5, or a water cover when the solvent is insoluble in and heavier than water. This does not apply to remote reservoir degreasers.
- (4) Solvent with a vapor pressure of 1.0 mm Hg, or less, at 20 C.

B. Operating Requirements:

When cold cleaning, the clean parts must be drained at least 15 seconds or until dripping ceases.

C. General Requirements:

A Person conducting solvent metal cleaning must:

- (1) Store solvent in covered containers and transfer or dispose of waste solvent in such a manner that less than 20 percent of the waste solvent (by weight) can evaporate into the atmosphere.
- (2) Maintain equipment to minimize leaks and fugitive emissions.
- (3) Display at the equipment location a conspicuous summary of proper operating procedures consistent with minimizing emissions of VOCs.
- (4) Keep the degreaser cover closed except when:
 - (a) parts are being placed into or being removed from the degreaser;
 - (b) adding or removing solvent from the degreaser;
 - (c) no solvent is in the degreaser; or
 - (d) when manually cleaning metal parts in the cold cleaning degreaser.
- (5) Create and retain a record of solvent consumption for five years. This record must be made available to the Department upon request.
- (6) Not clean sponges, fabric, wood, leather, paper products and other absorbent materials in a degreaser.
- (7) If using a cold cleaning degreaser that is subject to paragraph 226.3(a)(4), retain a record of the following three items for five years and provide these records to the Department upon request. An invoice, a bill of sale, a certificate covering multiple sales, a Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this requirement.
 - (a) the name and address of the solvent supplier;
 - (b) the type of solvent including the product or vendor



identification number; and

(c) the vapor pressure of the solvent measured in mm Hg at 20 °C (68 °F).

(8) Include in the semiannual monitoring report and annual compliance certifications (required of all permittees subject to Title V) the solvent consumption required under (5) above, as well as a statement that the permittee's obligations under items (1) through (7) above have been met for the period of the report or certification. This statement must be based on the permittee's observations on a daily basis that the operation of the solvent metal cleaning process has met the above criteria. The permittee must maintain a log of instances when the above have not been met, and such statement must summarize these instances.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

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

Condition 47: Compliance Certification
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement: 6NYCRR 225-1.2(a)(2)

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: 5-HEATG

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

1.) No person shall sell, offer for sale, purchase or use any distillate oil which has a sulfur content greater than 1.5 percent sulfur by weight.

2.) On-going compliance monitoring of the fuel sulfur limit shall be monitored as follows:

a.) A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years. Supplier certifications may be used to satisfy the requirement for sulfur content data as long as sampling,



compositing and analysis of fuel samples are done in accordance with methods acceptable to the commissioner.

b.) Sampling and analysis of delivered fuel by the facility may be requested at the discretion of Department representatives.

3.) An exceedance of the 1.5 percent fuel sulfur limit or failure to fulfill the recordkeeping requirements constitutes a violation and shall be reported as a deviation/violation on the annual compliance certification and the semi-annual monitoring report. The compliance status of this condition shall be reported to the Department semiannually during each calendar year.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.5 percent by weight
Monitoring Frequency: PER DELIVERY
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.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 48: Compliance Certification
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable Federal Requirement: 6NYCRR 227-1.3(a)

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: 5-HEATG

Item 48.2:

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 operate the installation in such a way to emit greater than 20 percent opacity except for one six minute 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.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent



Reference Test Method: Method 9
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 49: Compliance Certification
Effective between the dates of 09/09/2008 and 09/08/2013

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

Item 49.1:
The Compliance Certification activity will be performed for:

Emission Unit: 5-HEATG

Item 49.2:
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.

Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 50: Contaminant List
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable State Requirement:ECL 19-0301

Item 50.1:

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

CAS No: 001330-20-7
Name: XYLENE, M, O & P MIXT.

CAS No: 007446-09-5



Name: SULFUR DIOXIDE

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

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

CAS No: 0NY998-00-0
Name: VOC

Condition 51: Unavoidable noncompliance and violations
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable State Requirement:6NYCRR 201-1.4

Item 51.1:

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 52: Air pollution prohibited
Effective between the dates of 09/09/2008 and 09/08/2013

Applicable State Requirement:6NYCRR 211.2

Item 52.1:

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

New York State Department of Environmental Conservation

Permit ID: 9-0622-00003/00071

Facility DEC ID: 9062200003

