



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 9-0622-00003/00071
Mod 0 Effective Date: 04/17/2015 Expiration Date: 04/16/2020
Mod 1 Effective Date: 09/22/2015 Expiration Date: 04/16/2020

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:

(1) Cummins, 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.

(2) The current permit action includes a minor Title V permit modification to install two new block line washers and two new process heaters with a maximum heat input capacity of 1.7 MMBtu/hr.

(3) The total potential volatile organic compound (VOC) emissions from the new wash lines is 0.5 tons per year. The proposed cleaner contains 73.4 g/L VOC. An Aerscreen impact analysis verified the potential impact from the wash lines does not exceed the corresponding short-term guideline concentrations (SGCs) and/or annual guideline concentrations (AGCs).

(4) Cummins is a major source of nitrogen oxides (NO_x). The NO_x emissions are produced primarily by combustion of diesel fuel in the engine test cells. There are no emission controls on the test cells. The facility is a potential major source of VOC emissions. The VOC emissions are produced primarily from the surface coating operations which utilize compliant coatings.

New York State Department of Environmental Conservation
Facility DEC ID: 9062200003



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: LISA M CZECHOWICZ
 NYSDEC - REGION 9
 270 MICHIGAN AVE
 BUFFALO, NY 14203-2915

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: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

Permits are transferrable with the approval of the department unless specifically prohibited by



the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

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

Item 4.1:

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

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

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

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

Item 5.1:

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

New York State Department of Environmental Conservation

Permit ID: 9-0622-00003/00071

Facility DEC ID: 9062200003



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

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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 - MANUFACTURE OF INTERNAL COMBUSTION ENGINES

Mod 0 Permit Effective Date: 04/17/2015

Permit Expiration Date: 04/16/2020

Mod 1 Permit Effective Date: 09/22/2015

Permit Expiration Date: 04/16/2020



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 23 6 NYCRR 201-6.4 (g): Non Applicable requirements
- 24 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- *25 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 26 6 NYCRR 211.1: Air pollution prohibited
- 27 6 NYCRR 228-1.1 (b) (9): Compliance Certification

Emission Unit Level

- 28 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 29 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=1-ENGTC

- 1-1 6 NYCRR Subpart 202-1: Compliance Certification

EU=2-PAINT

- *33 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 1-2 6 NYCRR 212-2.4 (b): Compliance Certification
- 35 6 NYCRR 228-1.3 (a): Compliance Certification
- 36 6 NYCRR 228-1.3 (b) (1): Compliance Certification
- 37 6 NYCRR 228-1.3 (c): Surface Coating- Prohibitions
- 38 6 NYCRR 228-1.3 (d): Surface Coating - Handling, storage and disposal
- 39 6 NYCRR 228-1.3 (e): Surface Coating- application requirements
- 40 6 NYCRR 228-1.4 (b) (4) (ii): Compliance Certification



EU=3-MANUF

- 1-3 6 NYCRR 212-1.6 (a): Compliance Certification
- 1-4 6 NYCRR 212-2.4 (b): Compliance Certification
- 43 6 NYCRR Part 226: Compliance Certification

EU=5-HEATG

- 44 6 NYCRR 227-1.3 (a): Compliance Certification
- 45 6 NYCRR 227-2.5 (d): Compliance Certification

EU=7-EMGEN

- 46 40CFR 60, NSPS Subpart IIII: Compliance Certification
- 47 40CFR 63, Subpart ZZZZ: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 48 ECL 19-0301: Contaminant List
- 49 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 1-5 6 NYCRR 211.2: Visible Emissions Limited

Emission Unit Level

EU=1-ENGTC,Proc=E01

- 1-6 6 NYCRR 211.2: Compliance Demonstration

EU=1-ENGTC,Proc=E02

- 1-7 6 NYCRR 211.2: Compliance Demonstration

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 - 6 NYCRR 201-1.5

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department 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 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 and maintained;

(3) During the period of the emergency the facility owner 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 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 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 - 6 NYCRR 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 6 NYCRR 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 201-6.2 (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 201-6.2 (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 201-6.4 (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 201-6.4 (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 201-6.4 (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 201-6.4 (a) (6)

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



Item I: Severability - 6 NYCRR 201-6.4 (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 201-6.4 (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 201-6.4 (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.

Item M: Federally Enforceable Requirements - 40 CFR 70.6 (b)
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:
Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (7)

Item 2.1:
The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (c)



Item 3.1:

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

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

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

**Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 04/17/2015 and 04/16/2020**

Applicable Federal Requirement: 6 NYCRR 201-6.4 (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 04/17/2015 and 04/16/2020**

Applicable Federal Requirement: 6 NYCRR 201-6.4 (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 201-6.2(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 may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent 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) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement: 6 NYCRR 201-6.4 (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:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters.

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The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent 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) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Stationary Source Compliance Section
USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC Region 9 Headquarters
270 Michigan Avenue
Buffalo, NY 14203-2915

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

New York State Department of Environmental Conservation

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Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 8: Recordkeeping requirements
Effective between the dates of 04/17/2015 and 04/16/2020**

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

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

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

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

**Condition 9: Open Fires - Prohibitions
Effective between the dates of 04/17/2015 and 04/16/2020**

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

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

Item 9.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous



agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.

- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

**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 04/17/2015 and 04/16/2020**

Applicable Federal Requirement: 6 NYCRR 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 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

Where practical, the owner or operator of 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 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 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 04/17/2015 and 04/16/2020

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

Item 13.1:

The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 04/17/2015 and 04/16/2020

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

Item 14.1:

The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

Condition 15: Requirement to Provide Information
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (4)

Item 15.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any

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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: Right to Inspect
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (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: Off Permit Changes
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (f) (6)

Item 17.1:

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 department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the

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change.

(ii) The permit shield described in section 6 NYCRR 201-6.4 shall not apply to any change made pursuant to this paragraph.

Condition 18: Required Emissions Tests
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 19: Accidental release provisions.
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
 - 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 20: Recycling and Emissions Reduction
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

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 21: Emission Unit Definition

Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1(From Mod 1):

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

Emission Unit: 1-ENGTC

Emission Unit Description:

Emission Unit 1-ENGTC includes 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 TC008 plus TC018 and corresponding emission points 00101 through 00108 plus 00118.

(2) Production Test Cells - Process E02, including Emission Sources TC009 through TC017 and TC019. The corresponding emission points are 00124, 00125, and 00126.

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

Building(s): MAIN

Item 21.2(From Mod 1):

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, one paint dry oven and a flash tunnel. The emission unit includes five emission points: two for the drying oven, one for each of 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 is subject to the VOC RACT limitations of 6NYCRR Part 228-1 for Class B coating lines.

When the current paint system was installed, the emission



unit was capped at 47.9 tpy VOC. 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).

Building(s): MAIN

Item 21.3(From Mod 1):

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 ten processes which directly discharge to the environment through emission points are defined according to manufacturing lines: 318 - flywheel 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, 524-122 blockline, 525-122 headline, 369 cutter grind and 15L block line.

Building(s): MAIN

Item 21.4(From Mod 0):

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 21.5(From Mod 0):

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 fired on natural gas. The facility also has several natural gas fired heating units, all rated at less than 10 mmBtu/hr. The facility emissions of NO_x are greater than the 100 tpy threshold, the Part 227-2 NO_x RACT Plan includes shutdown of the three 25.11 mmBtu/hr boilers.

Building(s): MAIN

Item 21.6(From Mod 0):

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

Emission Unit: 7-EMGEN

Emission Unit Description:

Emission Unit 7-EMGEN includes the emergency generators subject to 40 CFR 60 Subpart IIII and 40 CFR 63 Subpart ZZZZ.

Condition 22: Progress Reports Due Semiannually
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (d) (4)

Item 22.1:

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 23: Non Applicable requirements
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (g)

Item 23.1:

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.

40 CFR Part 63, Subpart P P P P P

Reason: Cummins 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 Part 63, Subpart WWWWWW

Reason: The acid etching processes, PR005 and PR009, are not subject to 40CFR Subpart WWWWWW—National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations. According to information supplied by Cummins, the materials used in the etching process do not contain cadmium, chromium, lead, manganese or nickel. The materials used include Anticorit OL 407, GP Ultra, QC RM Acid and Nitric Acid.

40 CFR Part 63, Subpart XXXXXX

Reason: Cummins is not subject to 40 CFR 63 Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories since the facility SIC 3519 is not one of the applicable SIC codes for this regulation.

40 CFR Part 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 24: Facility Permissible Emissions
 Effective between the dates of 04/17/2015 and 04/16/2020**

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 24.1:

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:

per year	CAS No: 000050-00-0 (From Mod 1)	PTE: 19,000 pounds
	Name: FORMALDEHYDE	
	CAS No: 000071-43-2 (From Mod 1)	PTE: 19,000 pounds

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per year

Name: BENZENE

per year

CAS No: 000075-07-0 (From Mod 1) PTE: 19,000 pounds

Name: ACETALDEHYDE

per year

CAS No: 000106-99-0 (From Mod 1) PTE: 19,000 pounds

Name: 1,3-BUTADIENE

per year

CAS No: 000107-02-8 (From Mod 1) PTE: 19,000 pounds

Name: ACROLEIN

per year

CAS No: 000108-88-3 (From Mod 1) PTE: 19,000 pounds

Name: TOLUENE

per year

CAS No: 001330-20-7 (From Mod 1) PTE: 19,000 pounds

Name: XYLENE, M, O & P MIXT.

per year

CAS No: 0NY100-00-0 (From Mod 1) PTE: 45,000 pounds

Name: TOTAL HAP

per year

CAS No: 130498-29-2 (From Mod 1) PTE: 19,000 pounds

Name: POLYCYCLIC AROMATIC HYDROCARBONS

Condition 25: Capping Monitoring Condition
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 25.1:

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:

- 40 CFR Part 63, Subpart Mmmm
- 40 CFR Part 63, Subpart Ppppp

Item 25.2:

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

Item 25.3:

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.

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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 25.4:

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 25.5:

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 25.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000050-00-0	FORMALDEHYDE
CAS No: 000071-43-2	BENZENE
CAS No: 000075-07-0	ACETALDEHYDE
CAS No: 000106-99-0	1,3-BUTADIENE
CAS No: 000107-02-8	ACROLEIN
CAS No: 000108-88-3	TOLUENE
CAS No: 001330-20-7	XYLENE, M, O & P MIXT.
CAS No: 130498-29-2	POLYCYCLIC AROMATIC HYDROCARBONS
CAS No: 0NY100-00-0	TOTAL HAP

Item 25.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (1) Facility-wide emissions of total hazardous air pollutants (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.
- (2) Facility-wide emissions of each individual HAP from all emission sources, including exempt and trivial activities, shall not equal or exceed 19,000 lbs/yr as determined by summing the individual monthly emissions during any consecutive 12 month period.
- (3) Cummins has accepted these emission limitations, below major source thresholds, to avoid applicability to



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.

(4) On-going compliance monitoring of the total and individual HAP emission limits 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 and the individual HAP emissions do not equal or exceed 19,000 lbs/yr.

(b) Facility-wide 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.



(5) An exceedance of the 45,000 lbs/yr total HAP or the 19,000 lbs/yr individual 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.

Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 26: Air pollution prohibited
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 211.1

Item 26.1:

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

Condition 27: Compliance Certification
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 228-1.1 (b) (9)

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 27.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

A facility performing surface coating operations may use up to 55 gallons of coating or have up to 400 lbs of VOC emissions on a 12-month rolling total that is not subject to the requirements of Subpart 228-1. This exemption is

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contingent on the owner or operator of the facility maintaining records of such surface coatings, and maintaining compliance with all requirements of section 228-1.3

Parameter Monitored: VOLUME
Upper Permit Limit: 55 gallons
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

**** Emission Unit Level ****

Condition 28: Emission Point Definition By Emission Unit
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 28.1(From Mod 1):

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

Emission Unit: 3-MANUF

Emission Point: 00300
Height (ft.): 37 Diameter (in.): 14
NYTMN (km.): 4668.1 NYTME (km.): 139.2 Building: MAIN

Emission Point: 00301
Height (ft.): 37 Diameter (in.): 14
NYTMN (km.): 4668.1 NYTME (km.): 139.2 Building: MAIN

Item 28.2(From Mod 0):

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

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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: 00107			
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: 00118			
Height (ft.): 66	Diameter (in.): 6		
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN	
Emission Point: 00124			
Height (ft.): 40	Diameter (in.): 36		
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN	
Emission Point: 00125			
Height (ft.): 40	Diameter (in.): 36		
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN	
Emission Point: 00126			
Height (ft.): 40	Diameter (in.): 24		
NYTMN (km.): 4668.1	NYTME (km.): 139.2	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 28.3(From Mod 0):

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

Emission Unit: 2-PAINT

Emission Point: 00000			
Height (ft.): 52	Diameter (in.): 12		
NYTMN (km.): 4668.119	NYTME (km.): 139.229	Building: MAIN	

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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	
Emission Point: 00026			
Height (ft.): 42	Diameter (in.): 36		
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN	
Emission Point: 00097			
Height (ft.): 41	Diameter (in.): 31		
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN	

Item 28.4(From Mod 0):

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

Emission Unit: 3-MANUF			
Emission Point: 00005			
Height (ft.): 39	Diameter (in.): 18		
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN	
Emission Point: 00010			
Height (ft.): 39	Length (in.): Width (in.):		
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN	
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	Diameter (in.): 36		

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

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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: 00069		
Height (ft.): 139	Diameter (in.): 16	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 00070		
Height (ft.): 139	Diameter (in.): 16	
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
Emission Point: 00095		
Height (ft.): 139	Diameter (in.): 36	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 00096		
Height (ft.): 38	Diameter (in.): 12	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 00098		
Height (ft.): 38	Diameter (in.): 16	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 00099		
Height (ft.): 38	Length (in.): Width (in.):	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 00100		
Height (ft.): 138	Diameter (in.): 24	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 0098A		
Height (ft.): 34	Length (in.): Width (in.):	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN
Emission Point: 0099A		
Height (ft.): 34	Length (in.): Width (in.):	
NYTMN (km.): 4668.1	NYTME (km.): 139.2	Building: MAIN

Item 28.5(From Mod 0):

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 28.6(From Mod 0):

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

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

Condition 29: Process Definition By Emission Unit
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 29.1(From Mod 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 nine emission sources (TC001 through TC008 and TC018) and their corresponding dedicated stacks (emission points 00101 through 00108 and 00118).

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: TC007 - Combustion
Design Capacity: 400 horsepower (mechanical)

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

Emission Source/Control: TC018 - Combustion

Item 29.2(From Mod 1):

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 ten combustion emission sources (TC009 through TC017 and TC019) exhausted through three emission points as follows:

EP124 vents TC010, TC012, TC014 and TC016

EP125 vents TC009, TC011, TC013, TC015

EP126 vents TC017 and TC019.

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)

Emission Source/Control: TC017 - Combustion
Design Capacity: 1,000 horsepower (mechanical)

Emission Source/Control: TC019 - Combustion
Design Capacity: 1,000 horsepower (mechanical)

Item 29.3(From Mod 1):

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:

Process P01 includes the entire emission unit 2-PAINT. Paint is applied to the engines by four (4) ABB robots using High Volume Low Pressure (HVLP) spray guns and two



(2) operators, manually spraying using HVLP spray guns. Up to ten (10) different color paints are applied to the engines.

The paint booth system includes one large conveyORIZED 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). Exhaust air from the smaller manual booth (emission source PB006) passes through a filter (emission source FL002) and is directed out one stack (EP00026). This smaller paint booth is used primarily to paint racks and other miscellaneous equipment. Approximately 80% of volatile organics and 100% of particulates from this process are emitted from EP00023 and EP00026.

The engines are moved from the paint booth to a flash tunnel (emission source FT001/EP00024) and two drying ovens (drying oven VN002/EP00020 and top coat oven VN001/EP00025). The remaining 20% of VOCs are emitted from this process through EP00024, EP00020 and EP00025.

Manual touch-up is done using HVLP guns in a manual spray booth separate from the paint line. This source (PR016) is sent through a fabric filter (FL019) then exhausted through emission point EP097.

Emission Source/Control: FL002 - Control
Control Type: FABRIC FILTER

Emission Source/Control: FL003 - Control
Control Type: FABRIC FILTER

Emission Source/Control: FL019 - Control
Control Type: FABRIC FILTER

Emission Source/Control: FT001 - Process

Emission Source/Control: PB006 - Process

Emission Source/Control: PB007 - Process

Emission Source/Control: PR016 - Process

Emission Source/Control: VN001 - Process

Emission Source/Control: VN002 - Process

Item 29.4(From Mod 1):

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



Emission Unit: 3-MANUF
Process: 526 Source Classification Code: 3-09-030-04
Process Description:
Process 526 is the 15 liter engine block line. This process comprises CNC machining units and block washers (15L01 and 15L02) and associated emission points (300 and 301).

Emission Source/Control: 15L01 - Process

Emission Source/Control: 15L02 - Process

Item 29.5(From Mod 0):

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: 20,000 gallons

Emission Source/Control: TK003 - Process
Design Capacity: 20,000 gallons

Item 29.6(From Mod 0):

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

Emission Unit: 3-MANUF
Process: 318 Source Classification Code: 3-09-030-07
Process Description:
Process 318 is the flywheel manufacturing line. This process includes emissions generated from machining (emission source MC013) in the dry cast manufacturing. Emissions are controlled with a high efficiency filter (emission source FL004). Emissions are exhausted through emission point 00027.

Emission Source/Control: FL004 - Control
Control Type: FABRIC FILTER

Emission Source/Control: MC013 - Process

Item 29.7(From Mod 0):

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

Emission Unit: 3-MANUF
Process: 369 Source Classification Code: 3-09-030-04



Process Description:

Process 369 is the cutter grind operation. This process comprises a CNC machine unit and a cutter grind washer (WS011) with one affiliated emission point (00095).

Emission Source/Control: WS011 - Process

Item 29.8(From Mod 0):

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 29.9(From Mod 0):

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).

Emission Source/Control: VN008 - Combustion

Design Capacity: 2.6 million Btu per hour

Emission Source/Control: VN009 - Combustion

Emission Source/Control: PR001 - Process

Emission Source/Control: PR002 - Process

Emission Source/Control: PR004 - Process

Emission Source/Control: PR005 - Process

Item 29.10(From Mod 0):

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 29.11(From Mod 0):

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 29.12(From Mod 0):

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), two heat treat process (ES PR007/EP00067) and ES PR015/EP096, 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

Emission Source/Control: PR015 - Process

Item 29.13(From Mod 0):

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

Emission Unit: 3-MANUF

Process: 524

Source Classification Code: 3-09-030-04

Process Description:

Process 524 is the 12 liter engine block line. This process comprises a CNC machining unit, a block washer (WS013) with two affiliated emission points (00099 and 0099A), a block/head washer unit (WS014) with one affiliated emission point (00010), and a CMM washer unit (WS015) with one affiliated emission point (00100).

Emission Source/Control: WS013 - Process

Emission Source/Control: WS014 - Process

Emission Source/Control: WS015 - Process

Item 29.14(From Mod 0):

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

Emission Unit: 3-MANUF

Process: 525

Source Classification Code: 3-09-030-04

Process Description:

Process 525 is the 12 liter engine head line. This process comprises a CNC machining unit and a head line washer (WS012) with two affiliated emissionpoints (00098 and 0098A).

Emission Source/Control: WS012 - Process

Item 29.15(From Mod 0):



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

Emission Source/Control: WS001 - Process
Emission Source/Control: WS006 - Process
Emission Source/Control: WS007 - Process
Emission Source/Control: WS010 - Process

Item 29.16(From Mod 0):

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 29.17(From Mod 0):

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 Cleaver Brooks boilers used to create heat and steam for the facility. The boilers burn natural gas and have a rated capacity of 25.11 mm Btu/hr. As per the revised Nitrogen Oxide (NOx) Reasonably

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Available Control Technology (RACT) Compliance Plan dated June 24, 2014, the three boilers will be permanently shutdown and replaced with rapid fire natural gas units no later than December 31, 2015.

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

Item 29.18(From Mod 0):

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

Emission Unit: 7-EMGEN
Process: G01 Source Classification Code: 2-02-001-02
Process Description:
Process G01 includes emergency fire pumps and engines subject to either 40CFR 60 Subpart ZZZZ or 40 CFR 63 Subpart III.

Emission Source/Control: GEN01 - Combustion
Design Capacity: 200 horsepower (mechanical)

Emission Source/Control: GEN02 - Combustion
Design Capacity: 260 horsepower (mechanical)

Emission Source/Control: GEN03 - Combustion
Design Capacity: 225 horsepower (mechanical)

Emission Source/Control: GEN04 - Combustion
Design Capacity: 310 horsepower (mechanical)

Condition 1-1: Compliance Certification
Effective between the dates of 09/22/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR Subpart 202-1

Replaces Condition(s) 30

Item 1-1.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-ENGTC

Item 1-1.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

EMISSION TESTING AND IMPACT EVALUATION



- (1) EPA has identified engine test cells/stands as significant sources of hazardous air pollutants (HAP) such as toluene, benzene, mixed xylenes, 1,3-butadiene, formaldehyde, acetaldehyde, naphthalene, acrolein and polycyclic organic matter (POM).
- (2) A performance test of one production and one research test cell must be completed to quantify the total HAP and the most significant individual HAP emission rates from these sources. The performance test must be completed no later than April 16, 2017.
- (3) The performance test may be avoided upon review and approval of emission test data from another Cummins facility provided: (a) the operations are identical, (b) all appropriate test methods were followed and all supportable documentation is available for review, (c) If variations of the methods occurred then a determination of the acceptability must be completed, (d) Identify any problems that occurred during testing and indicate what corrective measures were used and the adequacy of those measures, and (e) the results are verifiable.
- (4) The performance test must be conducted at the maximum normal operating process load.
- (5) You must use appropriate procedures and test methods to determine total and individual HAP emission rates and the capture efficiency of the source.
- (6) You must record the process information that is necessary to document operating conditions during the test and explain why the conditions represent maximum normal operation.
- (7) A performance test protocol shall be submitted to the Department for approval at least 60 days prior to completion of the test. The Department must be notified 10 days prior to the scheduled test date so a Department representative may be present during the test.
- (8) The results of the performance test shall be submitted to the Department within 60 days following completion of the performance test.
- (9) In addition, an impact evaluation shall be completed to assess the impact on ambient air quality, the environment and human health. You must complete an air quality analysis using AERSREEN or similar computer model to verify the potential impact of the individual HAP emissions from these sources does not exceed the corresponding short-term guideline concentrations (SGCs)



and/or annual guideline concentrations (AGCs). The evaluation must include uncaptured emissions, if any.

(10) The results of the air quality analysis shall be submitted to the Department within 90 days following completion of the performance test.

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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 33: Capping Monitoring Condition
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 33.1:

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:

6 NYCRR Subpart 231-2

Item 33.2:

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

Item 33.3:

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 33.4:

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 33.5:

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 33.6:

The Compliance Certification activity will be performed for:

Emission Unit: 2-PAINT

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 33.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

NEW SOURCE REVIEW COMPLIANCE

(1) The volatile organic compound (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.

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(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 7/30/2015.

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

Condition 1-2: Compliance Certification
Effective between the dates of 09/22/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 212-2.4 (b)

Item 1-2.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-PAINT

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-2.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

PAINT SPRAY BOOTH
WEEKLY DIFFERENTIAL PRESSURE MEASUREMENTS

(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.

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Facility DEC ID: 9062200003



Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.05 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 35: Compliance Certification
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 228-1.3 (a)

Item 35.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-PAINT

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

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 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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 36: Compliance Certification
Effective between the dates of 04/17/2015 and 04/16/2020



Applicable Federal Requirement:6 NYCRR 228-1.3 (b) (1)

Item 36.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-PAINT

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an emission source subject to 6 NYCRR Part 228-1 must maintain the following records in a format acceptable to the department for a period of at least five years:

1. A certification from the coating supplier or manufacturer which lists the parameters used to determine the actual VOC content of each as applied coating used at the facility.
2. Purchase, usage and/or production records of each coating material, including solvents.
3. Records identifying each air cleaning device that has an overall removal efficiency of at least 90 percent.
4. Records verifying each parameter used to calculate the overall removal efficiency, as described in Equation 2 of Section 228-1.5(c), if applicable.
5. Any additional information required to determine compliance with Part 228-1.

Upon request, the owner or operator of an emission source subject to 6 NYCRR Part 228-1 must submit a copy of the records kept in accordance with this condition to the department within 90 days of receipt of the request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 37: Surface Coating- Prohibitions
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 228-1.3 (c)



Item 37.1:

This Condition applies to Emission Unit: 2-PAINT

Item 37.2:

(1) No person shall sell, supply, offer for sale, solicit, use, specify, or require for use, the application of a coating on a part or product at a facility with a coating line described in Subpart 228-1.1(a) if such sale, specification, or use is prohibited by any of the provisions of this Subpart. The prohibition shall apply to all written or oral contracts under the terms of which any coating is to be applied to any part or product at an affected facility. This prohibition shall not apply to the following:

(i) coatings utilized at surface coating lines where control equipment has been installed to meet the maximum permitted VOC content limitations specified in the tables of Subpart 228-1.4;

(ii) coatings utilized at surface coating lines where a coating system is used which meets the requirements specified in Subpart 228-1.5(d); and

(iii) coatings utilized at surface coating lines that have been granted variances pursuant to Subpart 228-1.5(e).

(2) Any person selling a coating for use in a coating line subject to Subpart 228-1 must, upon request, provide the user with certification of the VOC content of the coating supplied.

Condition 38: Surface Coating - Handling, storage and disposal
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 228-1.3 (d)

Item 38.1:

This Condition applies to Emission Unit: 2-PAINT

Item 38.2:

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

(1) 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;

(2) store in closed, non-leaking containers spent or fresh VOC solvents to be used for surface preparation, cleanup or coating removal;

(3) not use VOC solvents to cleanup spray equipment unless equipment is used to collect the cleaning compounds and to minimize VOC evaporation;



(4) 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;

(5) not use open containers to store or dispose of spent surface coatings, or spent VOC solvents;

(6) minimize spills during the handling and transfer of coatings and VOC solvents; and

(7) clean hand held spray guns by one of the following:

(i) an enclosed spray gun cleaning system that is kept closed when not in use;

(ii) non-atomized discharge of VOC solvent into a paint waste container that is kept closed when not in use;

(iii) disassembling and cleaning of the spray gun in a vat that is kept closed when not in use; or

(iv) atomized spray into a paint waste container that is fitted with a device designed to capture atomized VOC solvent emissions.

Condition 39: Surface Coating- application requirements
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:6 NYCRR 228-1.3 (e)

Item 39.1:

This Condition applies to Emission Unit: 2-PAINT

Item 39.2:

Facilities operating coating lines must use one or more of the following application techniques to apply the coating:

(i) flow/curtain coating;

(ii) dip coating;

(iii) cotton-tipped swab application;

(iv) electro-deposition coating;

(v) high volume low pressure spraying;

(vi) electrostatic spray;

(vii) airless spray, (including air assisted);



(viii) airbrush application methods for stenciling, lettering, and other identification markings; or

(ix) other coating application methods approved by the department which can demonstrate transfer efficiencies equivalent to or greater than high volume low pressure spray.

Condition 40: Compliance Certification
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement: 6 NYCRR 228-1.4 (b) (4) (ii)

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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

SURFACE COATING VOC RACT COMPLIANCE

- (1) Cummins operates a Miscellaneous Metal Parts Coatings coating line. The facility currently uses General One-Component coatings that are Air-Dried.
- (2) In accordance with Table B4 of 6 NYCRR Subpart 228-1.4(b)(4), the coating VOC limit for Air-Dried General One-Component coatings is 2.8 pounds of VOC per gallon of coating (minus water and excluded compounds) at application.
- (3) Sampling and testing of any coating to confirm VOC content compliance must be performed in a manner directed by and at the request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: COATING
Parameter Monitored: VOC CONTENT
Upper Permit Limit: 2.8 pounds per gallon
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 1-3: Compliance Certification
Effective between the dates of 09/22/2015 and 04/16/2020

Applicable Federal Requirement: 6 NYCRR 212-1.6 (a)

Item 1-3.1:
The Compliance Certification activity will be performed for:

Emission Unit: 3-MANUF

Item 1-3.2:
Compliance Certification shall include the following monitoring:

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

Monitoring Description:

MANUFACTURING PROCESSES
OPACITY MONITORING

(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: 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 1/30/2016.

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

Condition 1-4: Compliance Certification
Effective between the dates of 09/22/2015 and 04/16/2020

Applicable Federal Requirement: 6 NYCRR 212-2.4 (b)



Item 1-4.1:

The Compliance Certification activity will be performed for:

Emission Unit: 3-MANUF

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-4.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

MANUFACTURING PROCESS
WEEKLY DIFFERENTIAL PRESSURE MEASUREMENTS

(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: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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 1/30/2016.

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

Condition 43: Compliance Certification
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement: 6 NYCRR Part 226

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: 3-MANUF

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 43.2:



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 permittees 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 7/30/2015.

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

Condition 44: Compliance Certification

Effective between the dates of 04/17/2015 and 04/16/2020

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

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: 5-HEATG

Item 44.2:

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

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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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 45: Compliance Certification
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement: 6 NYCRR 227-2.5 (d)

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

Emission Unit: 5-HEATG

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 45.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

NO_x RACT COMPLIANCE PLAN

As per the revised Nitrogen Oxide (NO_x) Reasonably Available Control Technology (RACT) Compliance Plan dated June 24, 2014, the remaining two (2) - 25.11 MMBtu/hr Cleaver Brooks boilers will be permanently shutdown and replaced with rapid fire natural gas units no later than December 31, 2015.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 46: Compliance Certification



Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement: 40CFR 60, NSPS Subpart IIII

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: 7-EMGEN

Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 0NY075-00-0	PARTICULATES
CAS No: 0NY210-00-0	OXIDES OF NITROGEN

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

New, Emergency Fire Pump, Diesel, 200 HP, Built
11/2006
Model # CFP 83-F10, Serial # 46646186

New, Emergency Fire Pump, Diesel, 260 HP, Built
6/8/2012
Model # CFP7E-F50, Serial # 73414560

§ 60.4205(c) FIRE PUMP EMISSION STANDARDS

The following emission standards from Table 4 to
Subpart IIII of Part 60 apply to Stationary Fire Pump
Engines with a maximum power between 175HP and 300HP:

Model Year 2008 and earlier:
10.5 (7.8) g/kW-hr (g/HP-hr) NMHC + NO_x
3.5 (2.6) g/kW-hr (g/HP-hr) Carbon Monoxide (CO)
0.54 (0.40) g/kW-hr (g/HP-hr) Particulate Matter
(PM)

Model Year 2009 and later:
4.0 (3.0) g/kW-hr (g/HP-hr) NMHC + NO_x
0.20 (0.15) g/kW-hr (g/HP-hr) Particulate Matter
(PM)

§ 60.4207(b) FUEL REQUIREMENTS

The diesel fuel must meet the requirements of 40 CFR
80.510(b) for nonroad diesel fuel having a maximum Sulfur
content of 15 ppm and a minimum cetane index of 40 or a
maximum aromatic content of 35 volume percent.

§ 60.4209(a) MONITORING REQUIREMENTS

A non-resettable hour meter must be installed on each
engine prior to startup.



Record hours of operation [60.4214(b)]

§ 60.4211(c) COMPLIANCE REQUIREMENTS

(1) Each engine purchased must be certified to the emission standards in § 60.4205(c).

(2) Each engine must be installed and configured according to the manufacturer's emission-related specifications.

(3) Operate and maintain each stationary compression ignition internal combustion engine according to the manufacturer's emission-related written instructions.

(4) Change only those emission-related settings that are permitted by the manufacturer.

§ 60.4211(f) OPERATING LIMITS

Unlimited use for emergencies (e.g., power outage, fire, flood). May operate for 100 hr/yr for maintenance and readiness testing.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 47: Compliance Certification
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: 7-EMGEN

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

CAS No: 0NY100-00-0 TOTAL HAP

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Existing, Natural Gas, 225 HP, Emergency Engine, Built 1998

Model# LSG-8751-6005-A, Serial# 22513 S-22-RH



Existing, Diesel Fuel, 310 HP, Emergency Engine, Built
1984
Model # LTA10GS, Serial # 54293

- (1) Operate and maintain each engine per manufacturer's instructions or owner-developed maintenance plan; [§ 63.6625(e)]
- (2) Change oil and filter every 500 hours or annually, whichever comes first; [§ 63.6603(a), Table 2d]. May use oil analysis program specified in § 63.6625(j) instead of prescribed oil change frequency;
- (3) Inspect hoses and belts every 500 hours or annually, whichever comes first, and replace as necessary [§ 63.6603(a), Table 2d].
- (4) Inspect air cleaner on the diesel engine and spark plugs on the natural gas engine every 1,000 hours or annually, whichever comes first, and replace as necessary [§ 63.6603(a), Table 2d].
- (5) Install hour meter on each engine [§ 63.6625(e)] and record hours of operation, [§ 63.6655(f)].
- (6) Keep records of maintenance [§ 63.6655(e)].
- (7) Notifications not required [§ 63.6645(a)(5)].
- (8) Unlimited use for emergencies (e.g., power outage, fire, flood). May operate for 100 hr/yr for maintenance and readiness testing [§ 63.6640(f)].

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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 48: Contaminant List
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable State Requirement:ECL 19-0301

Item 48.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000050-00-0
Name: FORMALDEHYDE

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Facility DEC ID: 9062200003



CAS No: 000071-43-2

Name: BENZENE

CAS No: 000075-07-0

Name: ACETALDEHYDE

CAS No: 000106-99-0

Name: 1,3-BUTADIENE

CAS No: 000107-02-8

Name: ACROLEIN

CAS No: 000108-88-3

Name: TOLUENE

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 001330-20-7

Name: XYLENE, M, O & P MIXT.

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY100-00-0

Name: TOTAL HAP

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0

Name: VOC

CAS No: 130498-29-2

Name: POLYCYCLIC AROMATIC HYDROCARBONS

Condition 49: Malfunctions and start-up/shutdown activities
Effective between the dates of 04/17/2015 and 04/16/2020

Applicable State Requirement:6 NYCRR 201-1.4

Item 49.1:

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

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations

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occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

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

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

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

Condition 1-5: Visible Emissions Limited
Effective between the dates of 09/22/2015 and 04/16/2020

Applicable State Requirement:6 NYCRR 211.2

Item 1-5.1:

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

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

Condition 1-6: Compliance Demonstration
Effective between the dates of 09/22/2015 and 04/16/2020

Applicable State Requirement:6 NYCRR 211.2

Item 1-6.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-ENGTC
Process: E01



Item 1-6.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

ENDURANCE TEST CELLS
OPACITY MONITORING

(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

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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 1/30/2016.

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

Condition 1-7: Compliance Demonstration

Effective between the dates of 09/22/2015 and 04/16/2020

Applicable State Requirement:6 NYCRR 211.2

Item 1-7.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-ENGTC

Process: E02

Item 1-7.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

PRODUCTION TEST CELLS
OPACITY MONITORING



(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

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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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

