



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 7-5032-00017/00065
Effective Date: 08/01/2013 Expiration Date: 07/31/2023

Permit Issued To: BORGWARNER ITHACA LLC
800 WARREN RD
ITHACA, NY 14850

Facility: BORG WARNER ITHACA LLC
800 WARREN RD
ITHACA, NY 14850

Description:
Borg Warner is converting their Title V permit to a State Facility Permit.

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: JOSEPH M DLUGOLENSKI
1285 FISHER AVE
CORTLAND, NY 13045-1090

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 7 HEADQUARTERS



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

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

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



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

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 7 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 7 Headquarters
Division of Environmental Permits
615 Erie Blvd West
Syracuse, NY 13204-2400
(315) 426-7400

New York State Department of Environmental Conservation

Permit ID: 7-5032-00017/00065

Facility DEC ID: 7503200017



Permit Under the Environmental Conservation Law (ECL)

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

IDENTIFICATION INFORMATION

Permit Issued To: BORGWARNER ITHACA LLC
800 WARREN RD
ITHACA, NY 14850

Facility: BORG WARNER ITHACA LLC
800 WARREN RD
ITHACA, NY 14850

Authorized Activity By Standard Industrial Classification Code:
3714 - MOTOR VEHICLE PARTS & ACCESSORIES

Permit Effective Date: 08/01/2013

Permit Expiration Date: 07/31/2023



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

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- 4 6 NYCRR 201-1.7: Recycling and Salvage
- 5 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
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EU=5-40000

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STATE ONLY ENFORCEABLE CONDITIONS

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NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Sealing - 6 NYCRR 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

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

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

Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6

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

Item C: Maintenance of Equipment - 6 NYCRR 200.7

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



required to operate such device effectively.

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

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

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Recycling and Salvage - 6 NYCRR 201-1.7

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

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

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

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

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

Item H: Proof of Eligibility for Sources Defined as Trivial



Activities - 6 NYCRR 201-3.3 (a)

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

Item I: Required Emission Tests - 6 NYCRR 202-1.1

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

Item J: Open Fires Prohibitions - 6 NYCRR 215.2

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

Item K: 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 L: Federally Enforceable Requirements - 40 CFR 70.6 (b)



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

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 08/01/2013 and 07/31/2023

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: Open Fires - Prohibitions
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement:6 NYCRR 215.2

Item 2.1:

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 2.2

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.

Condition 3: Maintenance of Equipment
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement:6 NYCRR 200.7

Item 3.1:

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

Condition 4: Recycling and Salvage
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 4.1:

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 5: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 08/01/2013 and 07/31/2023



Applicable Federal Requirement:6 NYCRR 201-1.8

Item 5.1:

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 6: Exempt Sources - Proof of Eligibility
Effective between the dates of 08/01/2013 and 07/31/2023

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

Item 6.1:

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 7: Trivial Sources - Proof of Eligibility
Effective between the dates of 08/01/2013 and 07/31/2023

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

Item 7.1:

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 8: Required Emissions Tests
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 8.1:

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 9: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement:6 NYCRR 200.7

Item 9.1:

The Compliance Demonstration activity will be performed for the Facility.

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Item 9.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility employs numerous air pollution control devices. This condition requires that the owner or operator develop an operation and maintenance plan for the control devices at the facility.

The owner or operator shall develop a plan to properly maintain and operate the air pollution control equipment. Such plan shall include a description of such equipment; regularly scheduled inspections; routine preventive maintenance; and a means for documenting inspections, breakdowns and repairs. The owner or operator shall implement such plan.

Monitoring Frequency: QUARTERLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 10: Facility Permissible Emissions

Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 10.1:

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

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

CAS No: 000630-08-0 PTE: 190,000 pounds per year
Name: CARBON MONOXIDE

CAS No: 0NY210-00-0 PTE: 190,000 pounds per year
Name: OXIDES OF NITROGEN

Condition 11: Capping Monitoring Condition

Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 11.1:

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

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otherwise be subject to:

40 CFR 52.21

Item 11.2:

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

Item 11.3:

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 11.4:

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 11.5:

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 11.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 11.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility shall not emit in excess of 95 tons of CO
per 12 month rolling period.

Emissions shall be calculated, facility-wide, for gasoline use in test engines, for diesel use in test engines, for natural gas combustion in stationary combustion installations, for natural gas in emergency generators, and for propane use in stationary combustion installations. Emissions shall be computed using emission factors from the EPA's Compilation of Air Pollutant Emission Factors, AP-42, or using site-specific emission



factors from the most recent testing, if conducted.

If CO emissions exceed 75 tons in any 12 month rolling period, the DEC may require the owner to develop site-specific emission factors.

The owner or operator shall submit to the DEC annually, on a calendar basis, a report stating the quantity of carbon monoxide emitted calculated using these factors for each prior 12 month rolling period since the previous report. If CO emissions exceed 95 tons per 12 month period at any time, the owner or operator shall submit to the DEC a notice of such excess emissions within 30 days of such excess emission.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 95 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 12: Capping Monitoring Condition
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 12.1:

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 227-2

Item 12.2:

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

Item 12.3:

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 12.4:

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

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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 12.5:

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 12.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 12.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility is capping emissions to avoid applicability to NOx RACT.

Facility wide emissions of NOx shall not exceed 95 tons per year on a 12 month rolling average. Provided that actual annual emissions are less than 50 tons per year for each 12 month rolling period, emissions shall be calculated for gasoline use in test engines, for diesel use in test engines, for natural gas combustion in stationary combustion installations, for natural gas in emergency generators, and for propane use in stationary combustion installations. Emissions shall be computed using emission factors from the EPA's Compilation of Air Pollutant Emission Factors, AP-42, or using site-specific emission factors from the most recent testing, if conducted.

If annual emissions calculated using these factors exceeds 50 tons/year, the owner or operator must conduct emissions testing to document unit-specific emissions factors. Such testing must be conducted in accordance with a protocol approved by the DEC. Upon DEC approval, the owner or operator must calculate emissions based on the site-specific factors.

On an annual calendar year basis, the owner or operator must submit to the DEC emissions information showing that NOx emissions have not exceeded the emissions cap for each prior 12 month rolling annual period. If NOx emissions exceed 100 tpy at any time, the owner or operator must

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submit to the DEC a notice of such excess emissions. If emissions exceed 50 tons per year for any 12 month period, the owners or operators must submit to the DEC a notice of such emissions and a protocol for developing unit-specific emissions factors through testing.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 95 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2014.
Subsequent reports are due every 12 calendar month(s).

Condition 13: Air pollution prohibited
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement:6 NYCRR 211.1

Item 13.1:

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 14: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement:6 NYCRR 212.4 (a)

Item 14.1:

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

Emission Unit: 5-00000

Emission Unit: 5-10000

Emission Unit: 5-20000

Emission Unit: 5-80000

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

Item 14.2:

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Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Several devices at this facility have the potential to emit liquid, or condensible, particulate matter.

No person shall cause or allow the emission of liquid particulate in excess of the emission limits specified in 6 NYCRR 212.4(a) and 212.9, Table 2. Table 2 specifies that the degree of air cleaning required shall be specified by the DEC for each process emission source with an emission rate potential less than 10.0 pounds per hour.

The process emission sources associated with these emissions units all have emission rate potentials less than 10.0 pounds per hour, and the facility is a natural minor for particulate matter emissions, including condensible particulate emissions. The facility is required to operate the emissions control devices at all times that the process sources are operated, and to maintain those emission sources (including the air pollution control devices) in good operating order in accordance with the operation and maintenance plan required elsewhere in this permit.

Compliance shall be determined using EPA Method 202, or another method suitable to measure condensible particulate matter, upon written notice from the DEC and in accordance with a protocol approved by the DEC and the time frames specified in 6 NYCRR Part 202-1. The facility may not make physical or operational changes that would result in an increase in the emission rate potential or the actual emissions rate.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 15: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 15.1:

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

Emission Unit: 5-00000

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Emission Unit: 5-10000

Emission Unit: 5-20000

Emission Unit: 5-70000

Emission Unit: 5-80000

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 15.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No person shall cause or allow emissions of solid particulate that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry basis.

Compliance shall be determined by conducting particulate emissions tests. Such tests shall be conducted upon written request by the DEC and in accordance with a protocol approved by the DEC and the time frames specified in 6 NYCRR 202-1.

Emissions control equipment shall be maintained in accordance with an operation and maintenance manual required elsewhere in this permit. The owner or operator shall make no changes to the emission sources (including air pollution control equipment) that would result in an increase in the emission rate potential or the actual emission rate.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5, 40 CFR Part 60

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 16: Compliance Demonstration

Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement: 6 NYCRR 212.6 (a)

Item 16.1:

The Compliance Demonstration activity will be performed for the facility:

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Facility DEC ID: 7503200017



The Compliance Demonstration applies to:

Emission Unit: 5-00000

Emission Unit: 5-10000

Emission Unit: 5-20000

Emission Unit: 5-70000

Emission Unit: 5-80000

Item 16.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission sources associated with the listed emissions units have the potential to cause the emission of opacity.

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance shall be determined using 40 CFR part 60, Appendix A-4, Method 9.

All records of observations must be maintained at the facility for a period of five years.

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: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 17: Compliance Demonstration

Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement:6 NYCRR 225-1.2

Item 17.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 17.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC



OPERATIONS

Monitoring Description:

1. Owners and/or operators of commercial, industrial, or residential emission sources that fire number two heating oil on or after July 1, 2012 are limited to the purchase of number two heating oil with 0.0015 percent sulfur by weight or less.
2. Owners and/or operators of a stationary combustion installation that fires distillate oil other than number two heating oil are limited to the purchase of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2014.
3. Owners and/or operators of any stationary combustion installation that fires distillate oil including number two heating oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016.

Compliance shall be determined from fuel supplier certifications.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Monitoring Frequency: ANNUALLY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2014.
Subsequent reports are due every 12 calendar month(s).

Condition 18: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement:6 NYCRR Part 226

Item 18.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 18.2:

Compliance Demonstration 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 1/30/2014.

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

Condition 19: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2023

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

Item 19.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 19.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The facility owns and operates many combustion installations at this facility that meet the criteria under 6 NYCRR 201-3.2. These devices are subject to the opacity limits of 6 NYCRR 227-1.3(a). No owner or operator of a combustion installation shall emit greater than 20 percent opacity (based on a six minute average) except for one six minute period per hour, not to exceed 27 percent. Compliance shall be determined using the

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procedures in 40 CFR Part 60, Appendix A, Method 9.

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: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 20: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2023

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

Item 20.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 5-40000

Item 20.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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 Subpart 228-1, "Surface Coating Process."

Compliance shall be determined using 40 CFR Part 60, App A-4, Method 9. The owner or operator shall conduct such tests upon the request of the DEC.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Part 60 App A-4, Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 21: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2023

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

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Item 21.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 21.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Conditions Summary Detail for 6 NYCRR 228-1.3

(b)

Owners and operators of emission sources not subject to Subpart 228-1 as set forth in Subpart 228-1.1(b)(9) must maintain records on an as used basis. The records must include the relevant regulatory citation of each exemption and quantity of coating used. If the exemption criteria are based on VOC usage, the records must contain calculations and supplier/manufacturer material data sheets for verification of VOC usage. All records required by this Paragraph must be maintained at the facility for a period of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 22: Surface Coating- Prohibitions
Effective between the dates of 08/01/2013 and 07/31/2023

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

Item 22.1:

(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).

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(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 23: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement:6 NYCRR Part 228

Item 23.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 23.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility operates a Dow Product coating line that applies a rust inhibitor and paint. This is considered miscellaneous metal parts and products surface coating. Part 228 does not apply to coating lines where the facility-wide total usage of all coatings does not exceed 55 gallons (or 400 pounds of actual VOC usage) on a 12 month rolling total.

The owner or operator shall maintain records of the facility-wide coating use to document that the facility meets these requirements. If the facility ceases coating operations permanently, such recordkeeping is no longer required.

The facility also must maintain compliance with 6 NYCRR 228-1.3.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 24: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement:40CFR 60, NSPS Subpart III

Item 24.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 24.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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The facility owns and operates numerous reciprocating internal combustion engines. The EPA has promulgated Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, found at 40 CFR Part 60, Subpart III. The owner and operator must comply with this standard.

1. Permit modifications or preconstruction permits are not required for changes (new engine installations, engine modifications, and engine reconstructions) to emergency stationary internal combustion engines, at this facility, as long as the following conditions are met:

- i. the engine(s) involved in the change meet the definition of “emergency stationary internal combustion engine” in section 60.4219,
- ii. the change will not cause the facility to be out of compliance with this permit condition, the terms of this permit, and/or the provisions of 40 CFR Part 60, Subpart III;
- iii. the change will not cause the facility to become subject to any additional applicable requirement;
- iv. the change will not cause the facility to be out of compliance with any applicable requirement;
- v. the change will not cause the facility to exceed any emission cap or limit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 25: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement: 40CFR 60, NSPS Subpart JJJJ

Item 25.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 25.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owns and operates numerous reciprocating internal combustion engines. The EPA has promulgated Standards of Performance for Stationary Spark Ignition



Internal Combustion Engines, found at 40 CFR Part 60, Subpart JJJJ. The owner or operator

1. Permit modifications or preconstruction permits are not required for changes (new engine installations, engine modifications, and engine reconstructions) to emergency stationary internal combustion engines, at this facility, as long as the following conditions are met:

- i. the engine(s) involved in the change meet the definition of "emergency stationary internal combustion engine" in section 60.4248,
- ii. the change will not cause the facility to be out of compliance with this permit condition, the terms of this permit, and/or the provisions of 40 CFR Part 60, Subpart JJJJ;
- iii. the change will not cause the facility to become subject to any additional applicable requirement;
- iv. the change will not cause the facility to be out of compliance with any applicable requirement;
- v. the change will not cause the facility to exceed any emission cap or limit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 26: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement:40CFR 63, Subpart CCCCCC

Item 26.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 26.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility operates a gasoline dispensing facility with a throughput of less than 10,000 gallons per month. The gasoline dispensing facility is subject to 40 CFR Part 63, Subpart CCCCCC.

1. Pursuant to 40 CFR 63.11115(a), the owner or operator must, at all times, operate and maintain any affected source, including associated air pollution control



equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

2. Pursuant to 40 CFR 63.11125(d), each owner or operator of an affected source under this subpart shall keep records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment, and of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR §63.11115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

3. Pursuant to § 63.11116(a), the owner or operator must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following: (1) Minimize gasoline spills; (2) Clean up spills as expeditiously as practicable; (3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use; and (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

4. The owner or operator shall keep records to demonstrate that the monthly throughput is less than 10,000 gallons. Pursuant to 40 CFR 63.1111(e), an affected source shall, upon request by the DEC or the EPA, demonstrate that the monthly throughput is less than the 10,000 gallons threshold. The monthly throughput is the total volume of gasoline loaded into, or dispensed from, all the gasoline storage tanks located at a single affected gasoline dispensing facility during the current day, plus the total volume of gasoline loaded into, or dispensed from, all gasoline storage tanks at each GDF during the previous 364 days, then dividing that sum by 12. If BU has two or more gasoline dispensing facilities at separate locations within the area source, each gasoline dispensing facility is treated as a separate affected source.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 27: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 27.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 27.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Pursuant to 40 CFR 63.6655:

The owner or operator must keep the following records:

- (1) A copy of each notification and report that you submitted to comply with this subpart.
- (2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.
- (3) Records of all required maintenance performed on the air pollution control and monitoring equipment.
- (4) Records of actions taken during periods of malfunction to minimize emissions.
- (5) The owner or operator must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan.
6. The general provisions of 40 CFR Part 63, Subpart A apply, except 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g) and (h).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 28: Compliance Demonstration



Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 28.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 28.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Pursuant to 40 CFR 63.6640:

If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this condition. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (1) through (4) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (1) through (4) of this condition, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of



emergency RICE beyond 100 hours per calendar year.

(ii) Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see § 63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(3) Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (2) of this condition. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(4) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. Except as provided in paragraphs (f)(4)(i) and (ii) of this condition, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) Prior to May 3, 2014, the 50 hours per year for non-emergency situations can be used for peak shaving or non-emergency demand response to generate income for a facility, or to otherwise supply power as part of a financial arrangement with another entity if the engine is operated as part of a peak shaving (load management program) with the local distribution system operator and the power is provided only to the facility itself or to



support the local distribution system.

(ii) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 29: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable Federal Requirement: 40CFR 63, Subpart ZZZZ

Item 29.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 29.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



Subpart ZZZZ Requirements for Existing Stationary Rice
Located at an Area Source

1. 40 CFR 63.6603: If you own or operate a stationary RICE located at an area source of HAP emissions, you must comply with the requirements in 40 CFR Part 63, Subpart ZZZZ, Table 2d.

Change oil and filter every 500 hours of operation of annually, whichever comes first, unless you utilize an oil analysis program as described in 40 CFR 63.6625(i).

Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

For compression ignition engines, inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first.

For spark ignition engines, inspect the spark plugs every 1,000 hours of operation or annually, whichever comes first.

You must report each instance in which you did not comply with this requirement.

2. For both CI and SI engines:

You must operate and maintain each stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

You must install a non-resettable hour meter if one is not already installed.

You must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

If you use the oil analysis program to extend the specified oil change requirements, you must comply with 40 CFR 63.6625(i).



3. Pursuant to 40 CFR 66.6605:

You must be in compliance with the emission limitations and operating limitations in 40 CFR Part 63, Subpart ZZZZ that apply to you at all times.

At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by 40 SCR Part 60, Subpart ZZZZ have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

**Condition 30: Surface Coating - Handling, storage and disposal
Effective between the dates of 08/01/2013 and 07/31/2023**

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

Item 30.1:

This Condition applies to Emission Unit: 5-40000

Item 30.2:

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.



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: 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 Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records.



Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 31: Contaminant List
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable State Requirement:ECL 19-0301

Item 31.1:

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

CAS No: 000630-08-0
Name: CARBON MONOXIDE

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

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0



Name: VOC

Condition 32: Malfunctions and start-up/shutdown activities
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable State Requirement:6 NYCRR 201-1.4

Item 32.1:

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

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

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

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

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

Condition 33: Emission Unit Definition
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 33.1:

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

New York State Department of Environmental Conservation

Permit ID: 7-5032-00017/00065

Facility DEC ID: 7503200017



Emission Unit: 5-00000

Emission Unit Description:

THIS EMISSION UNIT IS ASSOCIATED WITH TEMPER DRAWS WHICH ARE MANIFOLDED TOGETHER WITH EXEMPT WASH OPERATIONS PURSUANT TO 6 NYCRR PART 201-3.2(c)(39)(3). TEMPER DRAWS WOULD NORMALLY ONLY EMIT PRODUCTS OF COMBUSTION AND THEREFORE WOULD BE EXEMPT PURSUANT TO 6 NYCRR PART 201-3.2(c)(1). HOWEVER, WHEN THEY ARE MANIFOLDED WITH A WASH OPERATION THEY MAY CREATE AN EMISSION OF OIL MIST RESULTING FROM QUENCH OIL WHICH IS NOT COMPLETELY CLEANED OFF IN THE WASH PROCESS AND WHICH VOLATILIZES IN THE TEMPER OPERATION, CONDENSES IN THE STACK AND IS THEN EMITTED. THE ASSOCIATED PROCESS IS IDENTIFIED AS 500.

Building(s): 02

Item 33.2:

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

Emission Unit: 5-10000

Emission Unit Description:

THIS EMISSION UNIT IS ASSOCIATED WITH THE ROTARY BATCH PIN LINE QUENCH CONVEYOR EXHAUSTS FROM BOTH NO. 31 & NO. 32. THIS UNIT IS COMPRISED OF EMISSION POINT 51000, WHICH IS LOCATED IN THE HEAT TREAT AREA OF PLANT NO. 2. THE ASSOCIATED PROCESS IS IDENTIFIED AS 510.

Building(s): 02

Item 33.3:

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

Emission Unit: 5-20000

Emission Unit Description:

THIS EMISSION UNIT IS ASSOCIATED WITH THE QUENCHING OPERATIONS ON THE AGF LINES LOCATED IN PLANT NO. 2. THE ASSOCIATED PROCESS IS IDENTIFIED AS 520.

Building(s): 02

Item 33.4:

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

Emission Unit: 5-40000

Emission Unit Description:

THIS EMISSIONS UNIT CONSISTS OF A DOW PRODUCT COATING LINE. THERE ARE TWO PROCESSES ASSOCIATED WITH THIS COATING

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LINE, RUST PREVENTATIVE APPLICATION (540), AND DOT APPLICATION (541). THESE TWO PROCESSES ARE DESCRIBED IN THE PROCESS DESCRIPTION SECTION OF THIS PERMIT. THERE IS ONE EMISSIONS SOURCE (THE DOW COATING LINE) AND TWO EMISSION POINTS. Located in Plant 1.

Building(s): 01

Item 33.5:

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

Emission Unit: 5-70000

Emission Unit Description:

THIS UNIT CONSISTS OF PROGRAMMABLE TOOL ROOM GRINDERS AND IS ASSOCIATED WITH PROCESS 570 WHICH IS DESCRIBED IN DETAIL IN THE PROCESS INFORMATION SECTION OF THIS PERMIT. THERE ARE VARIOUS OTHER MACHINING OPERATIONS ASSOCIATED WITH THIS AREA THAT ARE CLASSIFIED AS EITHER EXEMPT OR TRIVIAL PURSUANT TO 6 NYCRR PART 201-3.

Building(s): 02

Item 33.6:

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

Emission Unit: 5-80000

Emission Unit Description:

The N2 Process is a heat treatment operation that uses Nitrogen and Argon gas to dry metal powder and pins. The exhaust passes through a particulate filter and an oil bath. Emissions will consist of liquid particulates and solid particulates. The process also includes an exempt combustion source that exhausts through a dedicated, separate emission point.

Building(s): 02

Item 33.7:

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

Emission Unit: 5-90000

Emission Unit Description:

This emissions unit consists of a 1200 hp engine test facility used in research and development.

Building(s): 02

**Condition 34: Renewal deadlines for state facility permits
Effective between the dates of 08/01/2013 and 07/31/2023**

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

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Facility DEC ID: 7503200017



Item 34.1:

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

Condition 35: Compliance Demonstration
Effective between the dates of 08/01/2013 and 07/31/2023

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

Item 35.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 35.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Division of Air Resources
NYS Dept. of Environmental Conservation
Region 7
615 Erie Blvd West
Syracuse, NY 13204

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 36: Visible Emissions Limited
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable State Requirement:6 NYCRR 211.2

Item 36.1:

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 37: Emission Point Definition By Emission Unit
Effective between the dates of 08/01/2013 and 07/31/2023



Applicable State Requirement:6 NYCRR Subpart 201-5

Item 37.1:

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

Emission Unit: 5-00000			
Emission Point: 00003	Height (ft.): 33	Length (in.): 30	Width (in.): 24
	NYTMN (km.): 4706.	NYTME (km.): 379.1	Building: 02
Emission Point: 00004	Height (ft.): 33	Length (in.): 42	Width (in.): 46
	NYTMN (km.): 4706.	NYTME (km.): 379.1	Building: 02
Emission Point: 00005	Height (ft.): 33	Length (in.): 42	Width (in.): 46
	NYTMN (km.): 4706.	NYTME (km.): 379.1	Building: 02
Emission Point: 00010	Height (ft.): 38	Diameter (in.): 14	
	NYTMN (km.): 4706.	NYTME (km.): 379.1	Building: 02
Emission Point: 00015	Height (ft.): 32	Diameter (in.): 16	
	NYTMN (km.): 4706.	NYTME (km.): 379.1	Building: 02
Emission Point: 00016	Height (ft.): 32	Diameter (in.): 16	
	NYTMN (km.): 4706.	NYTME (km.): 379.1	Building: 02
Emission Point: 00036	Height (ft.): 33	Length (in.): 30	Width (in.): 24
	NYTMN (km.): 4706.	NYTME (km.): 379.1	Building: 02

Item 37.2:

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

Emission Unit: 5-10000			
Emission Point: 51000	Height (ft.): 39	Length (in.): 26	Width (in.): 19
	NYTMN (km.): 4706.	NYTME (km.): 379.1	Building: 02

Item 37.3:

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

Emission Unit: 5-20000			
Emission Point: 00031	Height (ft.): 21	Length (in.): 15	Width (in.): 11



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NYTMN (km.): 4706.	NYTME (km.): 379.1	Building: 02
Emission Point: 00032		
Height (ft.): 21	Length (in.): 15	Width (in.): 11
NYTMN (km.): 4706.	NYTME (km.): 379.1	Building: 02
Emission Point: 00033		
Height (ft.): 21	Length (in.): 15	Width (in.): 11
NYTMN (km.): 4706.	NYTME (km.): 379.1	Building: 02
Emission Point: 00034		
Height (ft.): 21	Length (in.): 15	Width (in.): 11
NYTMN (km.): 4706.	NYTME (km.): 379.1	Building: 02
Emission Point: 00035		
Height (ft.): 21	Length (in.): 15	Width (in.): 11
NYTMN (km.): 4706.	NYTME (km.): 379.1	Building: 02

Item 37.4:

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

Emission Unit: 5-40000		
Emission Point: 5400A		
Height (ft.): 30	Diameter (in.): 6	
NYTMN (km.): 4706.	NYTME (km.): 379.1	Building: 01
Emission Point: 5400B		
Height (ft.): 33	Diameter (in.): 6	
NYTMN (km.): 4706.	NYTME (km.): 379.1	Building: 01

Item 37.5:

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

Emission Unit: 5-70000		
Emission Point: 00011		
Height (ft.): 39	Length (in.): 24	Width (in.): 36
NYTMN (km.): 4706.	NYTME (km.): 379.1	Building: 02

Item 37.6:

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

Emission Unit: 5-80000		
Emission Point: 58010		
Height (ft.): 37	Diameter (in.): 2	
NYTMN (km.): 4706.	NYTME (km.): 379.1	Building: 02
Emission Point: 58011		
Height (ft.): 39	Diameter (in.): 5	
NYTMN (km.): 4706.	NYTME (km.): 379.1	Building: 02



Item 37.7:

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

Emission Unit: 5-90000

Emission Point: 59000

Height (ft.): 26

Diameter (in.): 12

NYTMN (km.): 4706.

NYTME (km.): 379.1

Building: 02

Condition 38: Process Definition By Emission Unit
Effective between the dates of 08/01/2013 and 07/31/2023

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 38.1:

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

Emission Unit: 5-00000

Process: 500

Source Classification Code: 3-04-022-11

Process Description:

IN THIS PROCESS PARTS ARE HEAT TREATED
WITH AN INTERNAL OIL QUENCHING OPERATION,
WASHED AND THEN TEMPERED IN EITHER AN
ELECTRIC OR GAS FIRED TEMPER DRAW.

Emission Source/Control: 0050C - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 0050D - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 0050E - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 0050H - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 0070A - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 0050A - Process

Emission Source/Control: 0050B - Process

Emission Source/Control: 0050F - Process

Emission Source/Control: 0050G - Process

Emission Source/Control: 15000 - Process

Emission Source/Control: 30000 - Process



Emission Source/Control: 40000 - Process

Emission Source/Control: 50000 - Process

Emission Source/Control: 70000 - Process

Item 38.2:

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

Emission Unit: 5-10000

Process: 510

Source Classification Code: 3-04-022-11

Process Description:

IN THIS PROCESS PARTS ARE HEATED ON AN
INTERMITTENT BASIS WITH CYCLES RANGING UP
TO SIX HOURS, WITH ONE QUENCH PER CYCLE.
THE QUENCH TANK IS MAINTAINED AT
APPROXIMATELY 150 DEGREES FAHRENHEIT.

Emission Source/Control: 0051A - Process

Item 38.3:

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

Emission Unit: 5-20000

Process: 520

Source Classification Code: 3-04-022-11

Process Description:

IN THIS PROCESS PARTS ARE HEAT TREATED ON
AN INTERMITTENT BASIS WITH CYCLES RANGING
UP TO SIX HOURS WITH ONE QUENCH PER CYCLE.
THE QUENCH TANKS ARE MAINTAINED AT
APPROXIMATELY 150 DEGREES FAHRENHEIT.

Emission Source/Control: 0052F - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: 0052H - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: 0052J - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: 0052N - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: 0052P - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: 0052E - Process

Emission Source/Control: 0052G - Process

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Emission Source/Control: 0052I - Process

Emission Source/Control: 0052M - Process

Emission Source/Control: 0052O - Process

Item 38.4:

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

Emission Unit: 5-40000

Process: 540

Source Classification Code: 4-02-025-99

Process Description:

THIS PROCESS IS THE SPRAY APPLICATION OF A RUST PREVENTATIVE ONTO A METAL PART. A ROBOTIC ARM PICKS UP THE PART, PLACES IT INTO AN ENCLOSURE WHERE THE SPRAY APPLICATION OCCURS AND THEN IMMEDIATELY REMOVES THE PART.

Emission Source/Control: 0054A - Process

Item 38.5:

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

Emission Unit: 5-40000

Process: 541

Source Classification Code: 4-02-025-99

Process Description:

THIS PROCESS IS THE APPLICATION OF SMALL PAINT DOTS ONTO A METAL PART. A ROBOTIC ARM ROTATES THE PART AS THE DOTS ARE APPLIED BY A FELT TIP LIKE PEN.

Emission Source/Control: 0054A - Process

Item 38.6:

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

Emission Unit: 5-70000

Process: 570

Source Classification Code: 3-09-002-01

Process Description:

METAL PARTS ARE GROUND TO SPECIFICATIONS USING PROGRAMMABLE GRINDERS, THERE ARE ALSO MISCELLANEOUS MANUALLY OPERATED MACHINING TOOLS WHICH ARE CLASSIFIED AS EITHER EXEMPT OR TRIVIAL PURSUANT TO 6 NYCRR PART 201-3.

Emission Source/Control: 0057A - Process

Item 38.7:

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

Emission Unit: 5-80000



Process: 580 Source Classification Code: 3-04-022-01

Process Description:

The N2 process is a heat treatment operation that uses a Nitrogen and Argon gas purge system to dry metal powder and pins. Emissions pass through a fabric filter and an oil bath.

Emission Source/Control: C58A2 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: C58A3 - Control
Control Type: WET SCRUBBER

Emission Source/Control: C58B2 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: C58B3 - Control
Control Type: WET SCRUBBER

Emission Source/Control: C58C2 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: C58C3 - Control
Control Type: WET SCRUBBER

Emission Source/Control: C58D1 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: C58D2 - Control
Control Type: WET SCRUBBER

Emission Source/Control: C58E2 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: C58E3 - Control
Control Type: WET SCRUBBER

Emission Source/Control: C58F2 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: C58F3 - Control
Control Type: WET SCRUBBER

Emission Source/Control: C58G2 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: C58G3 - Control
Control Type: WET SCRUBBER

Emission Source/Control: C58H2 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

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Emission Source/Control: C58H3 - Control
Control Type: WET SCRUBBER

Emission Source/Control: C58J2 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: C58J3 - Control
Control Type: WET SCRUBBER

Emission Source/Control: C58K1 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C58L2 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C58L3 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 0058A - Process

Emission Source/Control: 0058B - Process

Emission Source/Control: 0058C - Process

Emission Source/Control: 0058D - Process

Emission Source/Control: 0058E - Process

Emission Source/Control: 0058F - Process

Emission Source/Control: 0058G - Process

Emission Source/Control: 0058H - Process

Emission Source/Control: 0058J - Process

Emission Source/Control: 0058K - Process

Emission Source/Control: 0058L - Process

Item 38.8:

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

Emission Unit: 5-90000

Process: 590

Source Classification Code: 2-02-003-01

Process Description:

Internal combustion engines used to test engine components.

Emission Source/Control: 0059A - Combustion

Item 38.9:

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

Emission Unit: 5-90000

Process: 591

Source Classification Code: 2-02-001-02

Process Description:

Internal combustion engines used to test engine components.

Emission Source/Control: 0059A - Combustion