



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 7-4930-00016/00277
Effective Date: 08/11/2014 Expiration Date: 08/10/2024

Permit Issued To: LOCKHEED MARTIN CORPORATION
6801 ROCKLEDGE DR
BETHESDA, MD 20817-1836

Facility: LOCKHEED MARTIN MISSION SYSTEMS AND TRAINING
1801 ST RTE 17C
OWEGO, NY 13827-3998

Contact: MARK DIXON
LOCKHEED MARTIN - MS2
1801 ST RTE 17C
OWEGO, NY 13827-3998
(607) 751-5478

Description:
State Facility Renewal.

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 SPECIAL CONDITIONS

- PM 2.5 Requirements



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) 42



DEC SPECIAL CONDITIONS

6-7400

Condition 6: PM 2.5 Requirements

Applicable State Requirement:

6 NYCRR Part 617

Item 6.1: The owner or operator shall not cause or allow the combined emissions of fine particulate matter (PM_{2.5}; particulate matter with an aerodynamic diameter less than or equal to 2.5 micrometers) from the two wood fired boilers to exceed 14.9 tons per year, based on a 12 month rolling average.

Emissions shall be computed as the product of the tons of wood fed to the boilers in each 12 month rolling period and a fine particulate matter emissions factor, in units of pounds of PM_{2.5} per ton of wood, determined from stack testing, as follows:

Amount of fine particulate matter emitted = (tons of wood fed to the boilers each 12 month rolling period) x (emissions factor, pounds of PM_{2.5}/ton of wood)/2000.

The PM_{2.5} emission factor for each boiler shall be determined using Conditional Test Method 040 and EPA Method 202 conducted in accordance with a protocol approved by the DEC. Testing shall be conducted no later than 60 days after achieving maximum production, not to exceed 180 days after first firing fuel, and at any other time specified in writing by the DEC. The owner or operator shall submit to the DEC a protocol no later than 30 days prior to conducting the test, and submit to the DEC a report of the testing, in triplicate, no later than 60 days after completion of the tests.

The owner or operator shall use the results of the most recent stack test to compute fine particulate matter emissions. If multiple tests are conducted, the owner or operator shall use the results of the most recent stack test upon written approval of the factor from the DEC. The emissions factor shall be the average of at least three test runs.

2. The owner shall maintain records of the amount of wood fired to the boiler on a daily basis. The amount of wood fired shall be determined using weigh hoppers, calibrated belt scales or any other device that provides an accurate record of the quantity of wood fired as approved by the DEC.
3. If emissions of fine particulate matter exceed 14.9 tons during any 12-month rolling period, the owner or operator shall submit to the DEC written notification of such exceedance no later than 30 days after such occurrence and shall commence installation of an electrostatic precipitator no later than 30 days after such notification.
4. Not later than 60 days after the effective date of this permit, the owner or operator shall submit to the DEC design specifications for an electrostatic precipitator (or, at the owner's choice, two ESPs, one for each unit) capable of achieving an outlet emission rate of 0.10 pounds PM/mmBtu.
5. On an annual basis, the owner or operator shall submit to the DEC a report stating (1) whether he or she has complied with this requirement; (2) the amount of wood fed to each boiler for each 12 month rolling period; and (3) the amount of fine particulate matter emitted, in tons per year.



New York State Department of Environmental Conservation

Permit ID: 7-4930-00016/00277

Facility DEC ID: 7493000016



Permit Under the Environmental Conservation Law (ECL)

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

IDENTIFICATION INFORMATION

Permit Issued To: LOCKHEED MARTIN CORPORATION
6801 ROCKLEDGE DR
BETHESDA, MD 20817-1836

Facility: LOCKHEED MARTIN MISSION SYSTEMS AND TRAINING
1801 ST RTE 17C
OWEGO, NY 13827-3998

Authorized Activity By Standard Industrial Classification Code:
3471 - ELECTROPLATING, POLISHING, ANODIZING, AND COLORING
3571 - ELECTRONIC COMPUTERS
3579 - OFFICE MACHINES, NEC
3669 - COMMUNICATIONS EQUIPMENT, NEC
3679 - ELECTRONIC COMPONENTS, NEC
3812 - SEARCH AND NAVIGATION EQUIPMENT
7373 - COMPUTER INTEGRATED SYSTEMS DESIGN

Permit Effective Date: 08/11/2014

Permit Expiration Date: 08/10/2024



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 200.7: Maintenance of Equipment
- 3 6 NYCRR 200.7: Compliance Demonstration
- 4 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- *5 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *6 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *7 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *8 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *9 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 10 6 NYCRR 211.1: Air pollution prohibited
- 11 6 NYCRR 212.4 (a): Compliance Demonstration
- 12 6 NYCRR 212.4 (a): Compliance Demonstration
- 13 6 NYCRR 212.4 (c): Compliance Demonstration
- 14 6 NYCRR 212.6: Compliance Demonstration
- 15 6 NYCRR 225-1.2: Compliance Demonstration
- 16 6 NYCRR 228-1.3 (a): Compliance Demonstration
- 17 6 NYCRR 228-1.3 (b): Compliance Demonstration
- 18 6 NYCRR 228-1.3 (c): Surface Coating- Prohibitions
- 19 6 NYCRR 228-1.3 (d): Compliance Demonstration
- 20 6 NYCRR 228-1.4: Compliance Demonstration
- 21 40CFR 60, NSPS Subpart IIII: Applicability
- 22 40CFR 60, NSPS Subpart JJJJ: Applicability
- 23 40CFR 63, Subpart HHHHHH: Compliance Demonstration
- 24 40CFR 63.11176(a), Subpart HHHHHH: Compliance Demonstration
- 25 40CFR 63.11177, Subpart HHHHHH: Compliance Demonstration
- 26 40CFR 63.11201(b), Subpart JJJJJJ: Compliance Demonstration
- 27 40CFR 63.11201(b), Subpart JJJJJJ: Compliance Demonstration
- 28 40CFR 63.11205(a), Subpart JJJJJJ: Good air pollution control practices
- 29 40CFR 63.11225(a), Subpart JJJJJJ: Compliance Demonstration
- 30 40CFR 63.11225(b), Subpart JJJJJJ: Compliance Demonstration
- 31 40CFR 63.11225(c), Subpart JJJJJJ: Compliance Demonstration
- 32 40CFR 63.11225(d), Subpart JJJJJJ: Compliance Demonstration
- 33 40CFR 63, Subpart WWWW: Compliance Demonstration
- 34 40CFR 63, Subpart ZZZZ: Applicability
- 35 40CFR 63, Subpart ZZZZ: Engines at Area sources of HAP
- 36 40CFR 63.6590(c), Subpart ZZZZ: Compliance Demonstration

Emission Unit Level

EU=1-00804

- 37 6 NYCRR 227-1.2 (a) (4): Compliance Demonstration
- 38 6 NYCRR 227-1.3 (a): Compliance Demonstration
- 39 40CFR 60.7(b), NSPS Subpart A: Compliance Demonstration
- 40 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Demonstration

EU=1-ABU00

- 41 6 NYCRR 228-1.3 (e): Surface Coating- application requirements



EU=3-72400

42 6 NYCRR 227-1.3: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

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- 44 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 45 6 NYCRR Subpart 201-5: Emission Unit Definition
- 46 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 47 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 48 6 NYCRR 211.2: Visible Emissions Limited
- 49 6 NYCRR 212.4 (a): Compliance Demonstration
- 50 6 NYCRR 212.4 (a): Compliance Demonstration

Emission Unit Level

- 51 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 52 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

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: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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



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

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

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

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

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

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

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

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

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

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



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

Item K: Open Fires Prohibitions - 6 NYCRR 215.2
Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item L: Permit Exclusion - ECL 19-0305
The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: Acceptable Ambient Air Quality



Effective between the dates of 08/11/2014 and 08/10/2024

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: Maintenance of Equipment
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:6 NYCRR 200.7

Item 2.1:

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 3: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:6 NYCRR 200.7

Item 3.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 3.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Section 200.7 requires that any person who owns or operates an air contamination source shall keep the device in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications.

Within 120 days of the effective date of this permit, the owner or operator shall submit to the DEC a plan for maintaining the efficiency of the control devices at the facility.

Upon submission of such a plan, and continuing after DEC approval, the owner or operator shall operate the control devices in accordance with the plan.

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On an annual basis, beginning one year after receipt of this permit, and on a calendar year basis ending December 31 thereafter, the owner or operator shall submit to the DEC a report stating whether the control devices have been operated and maintained in accordance with the DEC-approved plan.

The first report shall be due 60 days after the end of the first 12 month rolling period, commencing with the receipt of this permit. Thereafter, reports shall be due March 1.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2015.

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

Condition 4: Facility Permissible Emissions
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 4.1:

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	
CAS No: 0NY998-00-0	PTE: 90,000 pounds per year
Name: VOC	

Condition 5: Capping Monitoring Condition
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 5.1:

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 201-6



Item 5.2:

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

Item 5.3:

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 5.4:

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 5.5:

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 5.6:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 5.7:

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 24.5 tons of hazardous air pollutants (HAP), combined, per rolling annual period, facility-wide. Each rolling annual period shall consist of twelve (12) consecutive calendar months. Emissions shall be computed from solvent and coating use and the use of all other materials that contain HAPs. The owner or operator shall keep a list of solvents and coatings used that includes the following information: information on the manufacturer, product name or code, HAP content (percent by weight), and the amount used per consecutive calendar month period. The owner or operator shall keep a log of the consumption of all solvents (including solvents used in cleanup), coatings, any other HAP containing raw materials and calculations showing that emissions are less than 24.5 tons per annual period for



each individual HAP. The owner or operator shall keep records of all purchase orders, invoices, and other documents to support information in the logs.

On a calendar year basis ending December 31, the owner or operator shall provide a certification to the Department that the facility has operated within the limits imposed by this emission cap. This certification shall include a report of the emissions for each rolling annual period and a comparison to the allowable emissions. Certifications shall be submitted annually on a calendar year basis and contain information for the previous calendar year. Additionally, if the owner or operator exceeds the rolling annual emissions limit for any period, the owner or operator shall submit to the DEC a notice of such excess emissions no later than 30 days after the last day in that annual period.

Parameter Monitored: TOTAL HAP
Upper Permit Limit: 24.5 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 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

Condition 6: Capping Monitoring Condition
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 6.1:

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 201-6

Item 6.2:

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

Item 6.3:

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 6.4:



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 6.5:

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 6.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 6.7:

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 9.5 tons of any single hazardous air pollutant (HAP), per rolling annual period, facility-wide. Each rolling annual period shall consist of twelve (12) consecutive calendar months. Emissions shall be computed from solvent and coating use and the use of all other materials that contain HAPs. The owner or operator shall keep a list of solvents and coatings used that includes the following information: information on the manufacturer, product name or code, HAP content (percent by weight), and the amount used per consecutive calendar month period. The owner or operator shall keep a log of the consumption of all solvents (including solvents used in cleanup), coatings, any other HAP containing raw materials and calculations showing that emissions are less than 9.5 tons per annual period for each individual HAP. The owner or operator shall keep records of all purchase orders, invoices, and other documents to support information in the logs.

On a calendar year basis ending December 31, the owner or operator shall provide a certification to the Department that the facility has operated within the limits imposed by this emission cap. This certification shall include a report of the emissions for each rolling annual period and a comparison to the allowable emissions. Certifications shall be submitted annually on a calendar year basis and contain information for the previous calendar year.



Additionally, if the owner or operator exceeds the rolling annual emissions limit for any period, the owner or operator shall submit to the DEC a notice of such excess emissions no later than 30 days after the last day in that annual period.

Parameter Monitored: TOTAL HAP
Upper Permit Limit: 9.5 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 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

Condition 7: Capping Monitoring Condition
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 7.1:

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 201-6

Item 7.2:

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

Item 7.3:

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 7.4:

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 7.5:

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.

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Item 7.6:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 7.7:

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 49 tons of volatile organic compounds (VOCs) per rolling annual period, facility-wide. Each rolling annual period shall consist of twelve (12) consecutive calendar months. Emissions shall be computed from solvent and coating use and the use of all other materials that contain VOCs. The owner or operator shall keep a list of solvents and coatings used that includes the following information: information on the manufacturer, product name or code, VOC content (percent by weight), and the amount used per consecutive calendar month period. The owner or operator shall keep a log of the consumption of all solvents (including solvents used in cleanup), coatings, any other VOC containing raw materials and calculations showing that emissions are less than 49 tons per annual period. The owner or operator shall keep records of all purchase orders, invoices, and other documents to support information in the logs.

On a calendar year basis ending December 31, the owner or operator shall provide a certification to the Department that the facility has operated within the limits imposed by this emission cap. This certification shall include a report of the emissions for each rolling annual period and a comparison to the allowable emissions. Certifications shall be submitted annually on a calendar year basis and contain information for the previous calendar year. Additionally, if the owner or operator exceeds the rolling annual emissions limit for any period, the owner or operator shall submit to the DEC a notice of such excess emissions no later than 30 days after the last day in that annual period.

Parameter Monitored: VOC

Upper Permit Limit: 49 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.

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The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

Condition 8: Capping Monitoring Condition
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 8.1:

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 201-6
6 NYCRR Subpart 227-2

Item 8.2:

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

Item 8.3:

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 8.4:

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 8.5:

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 8.6:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 8.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL



DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Facility-wide emissions of NO_x shall not exceed 95 tons per 12 month rolling period. Emissions shall be computed as the product of the fuel combusted and either an EPA emissions factor or a site-specific emissions factor developed through testing.

NO_x emissions, tons = [(0.020 lb NO_x/gal No. 2 oil burned)*(gallons of No. 2 oil or diesel oil burned) + (0.0001 lb NO_x/scf natural gas)*(scf natural gas burned) + (2.28 pounds NO_x/ton wood fired) * (ton of wood fired) + (0.031 lb NO_x/bhp-hr)*(capacity of the generator or fire pump, bhp)*(operating hours of the diesel engine and fire pump)]/2000.

Alternative emission factors must be approved by the DEC.

1. The amount of fuel oil used shall be determined using fuel flow meters or tank level readings.
2. The amount of wood fired shall be determined using weigh hoppers, calibrated belt scales or any other device that provides an accurate record of the quantity of wood fired. The amount of wood fired shall be on a wet, as-fired basis.
3. The owner or operator shall compute NO_x emissions for each month, as well as the annual NO_x emissions for each prior 12 month rolling period. The owner or operator shall maintain records of fuel use and the hours of operation of each engine and fire pump.
4. If, during any 12 month rolling period, NO_x emissions exceed 75 tons per 12 month period, or at any other time as directed by the DEC, the owner or operator shall submit to the DEC, no later than 30 days after that period, a protocol to test emissions from the wood and/or oil fired boilers, and any other device that DEC specifies, in order to determine site-specific NO_x emissions factors. The owner shall test such devices for NO_x within 30 days of DEC's approval of the test protocol. The owner or operator shall submit to the DEC an emissions test report, in triplicate, within 60 days of completion of such tests. Upon completion of such tests, the owner or operator shall use the results of those tests to compute facility-wide emissions. If multiple tests are conducted, the owner or operator shall use the results of the most recent stack test upon written approval of the factor from the DEC.



5. The owner shall use site specific emissions factors for wood and/or oil firing upon DEC approval of such site specific factors.

6. On a calendar year basis ending December 31, the owner or operator shall provide to the DEC a certification that the facility has operated within the 95 ton/yr limit for each 12 calendar month rolling period. This certification shall include a summary of the emissions that occurred that period. Additionally, if the owner or operator exceeds the rolling annual emissions limit for any period, the owner or operator shall submit to the DEC a notice of such excess emissions no later than 30 days after the last day in that annual period. The owner or operator must maintain records of emissions calculations on-site for a period of five years and make them available to representatives of the DEC upon request.

Additionally, if the owner or operator exceeds the rolling annual emissions limit for any period, the owner or operator shall submit to the DEC a notice of such excess emissions no later than 30 days after the last day in that annual period.

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 1/30/2015.

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

Condition 9: Capping Monitoring Condition
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 9.1:

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 201-6

Item 9.2:

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



Item 9.3:

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 9.4:

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 9.5:

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 9.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 9.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Facility-wide emissions of CO shall not exceed 95 tons per 12 month rolling period. Emissions shall be computed as the product of the fuel combusted and either an EPA emissions factor or a site-specific emissions factor developed through testing.

$$\text{CO emissions, tons} = [(0.005 \text{ lb COx/gal oil}) * (\text{gallons of oil burned}) + (0.000084 \text{ lb CO/scf natural gas}) * (\text{scf natural gas burned}) + (6.21 \text{ pounds CO/ton wood fired}) * (\text{ton of wood fired}) + (0.0067 \text{ lb CO/bhp-hr}) * (\text{capacity of the generator or fire pump, bhp}) * (\text{operating hours of the diesel engine and fire pump})] / 2000$$

Alternative emission factors must be approved by the DEC.

1. The amount of fuel oil used shall be determined using fuel flow meters or tank level readings.



2. The amount of wood fired shall be determined using weigh hoppers, calibrated belt scales or any other device that provides an accurate record of the quantity of wood fired. The amount of wood fired shall be on a wet, as-fired basis.
3. The owner or operator shall compute CO emissions for each month, as well as the annual CO emissions for each prior 12 month rolling period. The owner or operator shall maintain records of fuel use and the hours of operation of each engine and fire pump.
4. If, during any 12 month rolling period, CO emissions exceed 75 tons per 12 month period, or at any other time as directed by the DEC, the owner or operator shall submit to the DEC, no later than 30 days after that period, a protocol to test emissions from the wood and/or oil fired boilers, and any other device that DEC specifies, in order to determine site-specific CO emissions factors. The owner shall test such devices for CO within 30 days of DEC's approval of the test protocol. The owner or operator shall submit to the DEC an emissions test report, in triplicate, within 60 days of completion of such tests. Upon completion of such tests, the owner or operator shall use the results of those tests to compute facility-wide emissions. If multiple tests are conducted, the owner or operator shall use the results of the most recent stack test upon written approval of the factor from the DEC.
5. The owner shall use site specific emissions factors for wood and/or oil firing upon DEC approval of such site specific factors.
6. On a calendar year basis ending December 31, the owner or operator shall provide to the DEC a certification that the facility has operated within the 95 ton/yr limit for each 12 calendar month rolling period. This certification shall include a summary of the emissions that occurred that period. Additionally, if the owner or operator exceeds the rolling annual emissions limit for any period, the owner or operator shall submit to the DEC a notice of such excess emissions no later than 30 days after the last day in that annual period. The owner or operator must maintain records of emissions calculations on-site for a period of five years and make them available to representatives of the DEC upon request.

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 95 tons per year
Monitoring Frequency: MONTHLY

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Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 10: Air pollution prohibited
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:6 NYCRR 211.1

Item 10.1:

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 11: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:6 NYCRR 212.4 (a)

Item 11.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 11.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emissions of A and B - rated contaminants - Ambient
Guideline Concentration Limits

Several emission sources at this facility emit A-rated contaminants, non-A-rated contaminants or both. This condition is applicable to all such devices. This condition applies to criteria pollutants (such as pollutants that are VOCs) and is federally-enforceable.

A facility-wide ambient impact analysis must be completed using DEC approved ambient modeling procedures for all pollutants for which an environmental rating is assigned by the DEC. For this facility, A-rated contaminants are those contaminants listed with a "high" toxicity in the Department's most recent DAR-1 (Air Guide 1) guidance document, and any other contaminant that may be A-rated by the Department. This analysis must show that there are no predicted off-site ambient concentrations in excess of the



Annual Guideline Concentration or Short term Guideline Concentration for each contaminant. This analysis shall include all emissions of such pollutant, facility-wide, so that cumulative impacts are modeled. Within 90 days of the effective date of this permit, the owner or operator must submit to the DEC a modeling protocol for the ambient impact analysis. Within 90 days of DEC's approval of the protocol, the owner or operator shall submit to the DEC a report describing the results of ambient impact analysis.

The owner or operator must not make any changes to the stack characteristics (height or exit velocity) that would result in a predicted or actual ambient concentration in excess of the AGC or SGC.

On an annual basis, beginning one year after receipt of this permit, and on a calendar year basis ending December 31 thereafter, the owner or operator shall submit to the DEC a report stating whether any changes were made to the operation of these emissions sources, or the air pollution control equipment, that could result in increases in predicted ambient emissions. The first report shall be due 60 days after the end of the first 12 month rolling period, commencing with the receipt of this permit. Thereafter, reports shall be due March 1.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2015.

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

Condition 12: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:6 NYCRR 212.4 (a)

Item 12.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emissions of contaminants assigned an environmental rating and emission rate limits under Part 212.9.

Several emission sources at this facility emit A-rated



contaminants, non-A-rated contaminants or both. This condition is applicable to all such devices. This condition applies to criteria pollutants (such as pollutants that are VOCs) and is federally-enforceable.

1. The emission rate potential of any A-rated pollutant shall not exceed 1.0 pound per hour.
2. The emission rate potential of any B or C rated pollutant, excluding pollutants that are also defined to be volatile organic compounds, shall not exceed 10.0 pounds per hour.

For this facility, A-rated contaminants are those contaminants listed with a "high" toxicity in the Department's most recent DAR-1 (Air Guide 1) guidance document, and any other contaminant that may be A-rated by the Department. All other pollutants are B-rated, unless otherwise rated by the Department.

3. The following shall not have an emissions rate that results in predicted ambient concentrations in excess of the Annual Guideline Concentration or the Short term Guideline Concentration for each contaminant, as determined in accordance with DAR-1 as specified elsewhere in this permit:

(A) contaminants rated A with an emission rate potential less than one pound per hour and

(B) contaminants rated B or C with an emission rate potential less than 10 pounds per hour.

Compliance will be determined using a stack emission test, conducted upon request from the DEC, according to methods promulgated by EPA, as approved by the DEC.

4. If the emissions source is equipped with an emissions control device, such device must be operated and maintained in a satisfactory state of maintenance and repair.

5. On an annual basis, beginning one year after receipt of this permit, and on a calendar year basis ending December 31 thereafter, the owner or operator shall submit to the DEC a report stating whether any changes were made to the operation of these emissions sources, or the air pollution control equipment.

Reports shall be due March 1.



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2015.

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

Condition 13: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

Item 13.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 2-11001

Emission Unit: 3-MTU00

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of Solid Particulate Matter

Several process devices at this facility emit solid particulates. This condition is applicable to all such process devices.

Solid particulate emissions are governed by 6 NYCRR 212.4(c). No person shall cause or allow emissions of solid particulate in excess of 0.05 grains per dry standard cubic foot.

Compliance will be determined using a stack emission test, conducted upon request from the DEC, according to methods promulgated by EPA or approved by the DEC.

If the emissions source is equipped with an emissions control device, such device must be operated and maintained in a satisfactory state of maintenance and repair. The owner or operator shall inspect, on a weekly basis (or at any other frequency that is consistent with the maintenance plan submitted to the DEC as required under this permit), the operation of the control devices.

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On an annual basis, beginning one year after receipt of this permit, and on a calendar year basis ending December 31 thereafter, the owner or operator shall submit to the DEC a report stating whether any changes were made to the operation of the air pollution control equipment. The first report shall be due 60 days after the end of the first 12 month rolling period, commencing with the receipt of this permit. Thereafter, reports shall be due March 1.

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2015.

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

Condition 14: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:6 NYCRR 212.6

Item 14.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 14.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Visible Emissions (Opacity)

Emissions from several devices at Lockheed cause opacity. This condition is applicable to all such devices.

Opacity from emissions are governed by 6 NYCRR 212.6(a). 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 for the emission of uncombined water.

Compliance will be determined using EPA Method 9,



conducted upon request from the DEC.

If the emissions source is equipped with an emissions control device, such device must be operated and maintained in a satisfactory state of maintenance and repair.

On an annual basis, beginning one year after receipt of this permit, and on a calendar year basis ending December 31 thereafter, the owner or operator shall submit to the DEC a report stating whether any changes were made to the operation of these emissions sources, or the air pollution control equipment. The first report shall be due 60 days after the end of the first 12 month rolling period, commencing with the receipt of this permit. Thereafter, reports shall be due March 1.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
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: ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 3/1/2015.
Subsequent reports are due every 12 calendar month(s).

Condition 15: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:6 NYCRR 225-1.2

Item 15.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 15.2:
Compliance Demonstration shall include the following monitoring:

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

1. 6 NYCRR 225-1.2(f)
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. Compliance with this limit will be based on vendor certifications.



2. 6 NYCRR 225-1.2(g)
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. Compliance with this limit will be based on vendor certifications.
3. 6 NYCRR 225-1.2(h)
Owners and/or operators of a stationary combustion installations that fire distillate 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 with this limit will be based on vendor certifications.
4. Data collected pursuant to 6 NYCRR 225 must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years.
5. The owners and/or operators must make such records available for inspection by the Department or the EPA.
6. If the fuel sulfur content exceeds the allowable limit, the owners and/or operators must submit a written report of the fuel sulfur content, and the nature and cause of such excess emission, within 30 days after the end of any quarterly period in which fuel oil containing sulfur in excess of this limit is combusted.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 16: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

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

Item 16.1:

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

Emission Unit: 1-ABU00

Emission Point: 00122

Emission Unit: 1-ABU00

Emission Point: 00410

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Emission Unit: 1-ABU00

Emission Point: 00842

Emission Unit: 1-ABU00

Emission Point: 00948

Item 16.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

This condition is applicable to each paint spray booth discharge.

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 paint spray booth.

Compliance shall be determined using Method 9 of 40 CFR Part 60, Appendix A. A Method 9 determination shall be conducted upon request from the Department. A report of such emissions shall be submitted to the DEC no later than 60 days following the completion of such tests.

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: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 17: Compliance Demonstration

Effective between the dates of 08/11/2014 and 08/10/2024

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

Item 17.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 17.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Recordkeeping. This condition is applicable to the Part 228 surface coating operations at this facility.

1. Except as provided for in Paragraph 2 of this condition, the owner or operator of any emission source subject to this Subpart must maintain and, upon request,



provide the department with a certification from the coating supplier/manufacturer which lists the parameters used to determine the actual VOC content of each as applied coating used at the facility. In addition, purchase, usage and/or production records of the coating material, including solvents, must be maintained in a format acceptable to the department and, upon request, these records must be submitted to the department within 90 days of receiving the request. All records required by this paragraph must be maintained at the facility for a period of five years.

2. Owners and operators of emission sources not subject to this Subpart as set forth in 6 NYCRR 228-1.1(b)(9) or (13), or those sources that are using coatings not subject to specific requirements as set forth in 6 NYCRR 228-1.3(e)(2), or 6 NYCRR 228-1.4(b)(5)(iii)(e), 228-1.4(b)(5)(iii)(i) or 228-1.4(b)(5)(iv), 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 18: Surface Coating- Prohibitions
Effective between the dates of 08/11/2014 and 08/10/2024

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

Item 18.1:

(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).

(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 19: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

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

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: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Handling, storage and disposal of volatile organic compounds.

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 20: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:6 NYCRR 228-1.4

Item 20.1:

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

Emission Unit: 1-ABU00	Emission Point: 00122
Emission Unit: 1-ABU00	Emission Point: 00410
Emission Unit: 1-ABU00	Emission Point: 00842
Emission Unit: 1-ABU00	Emission Point: 00948

Item 20.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility operates two small paint booths and a third large paint booth.

Miscellaneous Metal Parts Coatings

1. A facility applying miscellaneous metal parts coatings must use application techniques as specified in 6 NYCRR



228-1.3(e)(3).

2. Unless the appropriate emission control requirements of 6 NYCRR 228-1.5 have been met or a process-specific RACT variance has been granted, a facility applying miscellaneous metal parts coatings may not use coatings with VOC contents, as applied, which equal or exceed the limits in 6 NYCRR 228, Table B-4.

Conformal coatings are exempt pursuant to 228-1.4(b)(4)(iii)(d).

Miscellaneous Plastic Parts Coatings

3. A facility applying miscellaneous plastic parts coatings must use application techniques as specified in 6 NYCRR 228-1.3(e)(3).

4. Unless the appropriate emission control requirements of 6 NYCRR 228-1.5 have been met or a process-specific RACT variance has been granted, a facility applying miscellaneous plastic parts coatings may not use coatings with VOC contents, as applied, which exceed the limits specified in 6 NYCRR 228 Table B5. Clear coatings are exempt from the VOC content limits in Table B5. Any miscellaneous plastic parts individual coating category used in volumes less than 50 gallons in any 12 month period is exempt from the VOC content limits of Table B5, if substitute compliant coatings are not available, provided that the total usage of all such coatings does not exceed 200 gallons in a 12 month period. Records of such coatings must be maintained in accordance with 6 NYCRR 228-1.3(b)(2). A facility claiming an exemption under this provision, that uses more than 55 gallons or more of non-complying coating, can not also claim an exemption under 6 NYCRR 228-1.3(e)(2).

Reports, Sampling and Analysis

5. Pursuant to 6 NYCRR 228-1.6, the owner or operator of any emission source subject to the VOC emission control requirements of this subpart must, upon request of the Department, use Method 311 or Method 24, included in Appendix A of 40 CFR Parts 60 and 63, respectively, to measure the volatile content, water content, density, volume of solids and weight of solids in order to determine the actual VOC content of an as-applied coating during a compliance demonstration.

6. Any information or record showing noncompliance with the requirements of this part must be reported to the Department within 30 days following notice or generation



of the information or record.

7. All records pertaining to this condition must be maintained at the facility for a period of 5 years,

Reference Test Method: Method 24 or certification
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 21: Applicability
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII

Item 21.1:
Facilities that have stationary compression ignition internal combustion engines must comply with applicable portions of 40 CFR 60 Subpart IIII.

Condition 22: Applicability
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ

Item 22.1:
Facilities that have stationary spark ignition internal combustion engines must comply with applicable portions of 40 CFR 60 subpart JJJJ.

Condition 23: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:40CFR 63, Subpart HHHHHH

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:

Pursuant to 40 CFR 63.11173(e), each miscellaneous surface coating operation must meet the requirements in paragraphs (1) through (5) of this condition.



(1) All painters must be certified that they have completed training in the proper spray application of surface coatings and the proper setup and maintenance of spray equipment. The minimum requirements for training and certification are described in 40 CFR 63.11173(f). The spray application of surface coatings is prohibited by persons who are not certified as having completed the training described in 40 CFR 63.11173(f). The requirements of this paragraph do not apply to the students of an accredited surface coating training program who are under the direct supervision of an instructor who meets the requirements of this paragraph.

(2) All spray-applied coatings must be applied in a spray booth, preparation station, or mobile enclosure that meets the requirements of paragraph 40 CFR 63.11173(e)(2)(i) and either paragraph 40 CFR 63.11173(e)(2)(ii), (e)(2)(iii), or (e)(2)(iv).

40 CFR 63.11173(e)(2)(i): All spray booths, preparation stations, and mobile enclosures must be fitted with a type of filter technology that is demonstrated to achieve at least 98-percent capture of paint overspray. The procedure used to demonstrate filter efficiency must be consistent with the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) Method 52.1, "Gravimetric and Dust-Spot Procedures for Testing Air-Cleaning Devices Used in General Ventilation for Removing Particulate Matter, June 4, 1992" (incorporated by reference, see § 63.14 of subpart A of this part). The test coating for measuring filter efficiency shall be a high solids bake enamel delivered at a rate of at least 135 grams per minute from a conventional (non-HVLP) air-atomized spray gun operating at 40 pounds per square inch (psi) air pressure; the air flow rate across the filter shall be 150 feet per minute. Owners and operators may use published filter efficiency data provided by filter vendors to demonstrate compliance with this requirement and are not required to perform this measurement. The requirements of this paragraph do not apply to waterwash spray booths that are operated and maintained according to the manufacturer's specifications.

40 CFR 63.11173(e)(2)(ii) Spray booths and preparation stations used to refinish complete motor vehicles or mobile equipment must be fully enclosed with a full roof, and four complete walls or complete side curtains, and must be ventilated at negative pressure so that air is drawn into any openings in the booth walls or preparation station curtains. However, if a spray booth is fully



enclosed and has seals on all doors and other openings and has an automatic pressure balancing system, it may be operated at up to, but not more than, 0.05 inches water gauge positive pressure.

40 CFR 63.11173(e)(2)(iii) Spray booths and preparation stations that are used to coat miscellaneous parts and products or vehicle subassemblies must have a full roof, at least three complete walls or complete side curtains, and must be ventilated so that air is drawn into the booth. The walls and roof of a booth may have openings, if needed, to allow for conveyors and parts to pass through the booth during the coating process.

40 CFR 63.11173(e)(2)(iv) Mobile ventilated enclosures that are used to perform spot repairs must enclose and, if necessary, seal against the surface around the area being coated such that paint overspray is retained within the enclosure and directed to a filter to capture paint overspray.

(3) All spray-applied coatings must be applied with a high volume, low pressure (HVLP) spray gun, electrostatic application, airless spray gun, air-assisted airless spray gun, or an equivalent technology that is demonstrated by the spray gun manufacturer to achieve transfer efficiency comparable to one of the spray gun technologies listed above for a comparable operation, and for which written approval has been obtained from the Administrator. The procedure used to demonstrate that spray gun transfer efficiency is equivalent to that of an HVLP spray gun must be equivalent to the California South Coast Air Quality Management District's "Spray Equipment Transfer Efficiency Test Procedure for Equipment User, May 24, 1989" and "Guidelines for Demonstrating Equivalency with District Approved Transfer Efficient Spray Guns, September 26, 2002" (incorporated by reference, see § 63.14 of subpart A of this part). The requirements of this paragraph do not apply to painting performed by students and instructors at paint training centers. The requirements of this paragraph do not apply to the surface coating of aerospace vehicles that involves the coating of components that normally require the use of an airbrush or an extension on the spray gun to properly reach limited access spaces; to the application of coatings on aerospace vehicles that contain fillers that adversely affect atomization with HVLP spray guns; or to the application of coatings on aerospace vehicles that normally have a dried film thickness of less than 0.0013 centimeter (0.0005 in.).

(4) All paint spray gun cleaning must be done so that an atomized mist or spray of gun cleaning solvent and paint



residue is not created outside of a container that collects used gun cleaning solvent. Spray gun cleaning may be done with, for example, hand cleaning of parts of the disassembled gun in a container of solvent, by flushing solvent through the gun without atomizing the solvent and paint residue, or by using a fully enclosed spray gun washer. A combination of non-atomizing methods may also be used.

(5) As provided in 40 CFR § 63.6(g), the U.S. Environmental Protection Agency may choose to grant permission to use an alternative to the emission standards in this section after you have requested approval to do so according to 40 CFR§ 63.6(g)(2).

40 CFR 63.11173(f): Each owner or operator of an affected miscellaneous surface coating source must ensure and certify that all new and existing personnel, including contract personnel, who spray apply surface coatings, as defined in § 63.11180, are trained in the proper application of surface coatings as required by 40 CFR 63.11173 (e)(1) of this section. The training program must include, at a minimum, the items listed in paragraphs 40 CFR 63.11173(f)(1) through (f)(3).

40 CFR 63.11173(f)(1) A list of all current personnel by name and job description who are required to be trained;

40 CFR 63.11173(f)(2) Hands-on and classroom instruction that addresses, at a minimum, initial and refresher training in the topics listed in paragraphs 40 CFR 63.11173(f)(2)(i) through (2)(iv).

(i) Spray gun equipment selection, set up, and operation, including measuring coating viscosity, selecting the proper fluid tip or nozzle, and achieving the proper spray pattern, air pressure and volume, and fluid delivery rate.

(ii) Spray technique for different types of coatings to improve transfer efficiency and minimize coating usage and overspray, including maintaining the correct spray gun distance and angle to the part, using proper banding and overlap, and reducing lead and lag spraying at the beginning and end of each stroke.

(iii) Routine spray booth and filter maintenance, including filter selection and installation.

(iv) Environmental compliance with the requirements of this subpart.



40 CFR 63.11173(f)(3) A description of the methods to be used at the completion of initial or refresher training to demonstrate, document, and provide certification of successful completion of the required training. Owners and operators who can show by documentation or certification that a painter's work experience and/or training has resulted in training equivalent to the training required in 40 CFR 63.11173(f)(2) are not required to provide the initial training required by that paragraph to these painters.

On an annual basis, the owner or operator must certify if he or she has complied with this requirement.

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 1/30/2015.

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

Condition 24: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:40CFR 63.11176(a), Subpart

HHHHHH

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:

Annual Notification of Changes Report. You are required to submit a report in each calendar year in which information previously submitted in either the initial notification required by 40 § 63.11175(a), Notification of Compliance, or a previous annual notification of changes report submitted under this paragraph, has changed. Deviations from the relevant requirements in 40 CFR § 63.11173(a) through (d) or 40 CFR § 63.11173(e) through (g) on the date of the report will be deemed to be a change. The annual notification of changes report must be submitted prior to March 1 of each calendar year when reportable changes have occurred and must include the information specified in paragraphs (a)(1) through (2) of this section.

(1) Your company's name and the street address (physical



location) of the affected source and the street address where compliance records are maintained, if different.

(2) The name, title, address, telephone, e-mail address (if available) and signature of the owner and operator, or other certifying company official, certifying the truth, accuracy, and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart or an explanation of any noncompliance and a description of corrective actions being taken to achieve compliance.

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 1/30/2015.

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

Condition 25: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:40CFR 63.11177, Subpart HHHHHH

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:

1. You must keep the records specified in 40 CFR 63.1117(a) through (d), (g) and (h).

(a) Certification that each painter has completed the training specified in 40 CFR § 63.11173(f) with the date the initial training and the most recent refresher training was completed.

(b) Documentation of the filter efficiency of any spray booth exhaust filter material, according to the procedure in 40 CFR § 63.11173(e)(3)(i).

(c) Documentation from the spray gun manufacturer that each spray gun with a cup capacity equal to or greater than 3.0 fluid ounces (89 cc) that does not meet the definition of an HVLP spray gun, electrostatic application, airless spray gun, or air assisted airless spray gun, has been determined by the Administrator to



achieve a transfer efficiency equivalent to that of an HVLP spray gun, according to the procedure in 40 CFR § 63.11173(e)(4).

(d) Copies of any notification submitted as required by 40 CFR § 63.11175 and copies of any report submitted as required by § 63.11176.

(g) Records of any deviation from the requirements in § 63.11173, § 63.11174, § 63.11175, or § 63.11176. These records must include the date and time period of the deviation, and a description of the nature of the deviation and the actions taken to correct the deviation.

(h) Records of any assessments of source compliance performed in support of the initial notification, notification of compliance status, or annual notification of changes report.

2. Pursuant to 40 CFR 63.11178, you must maintain copies of the records specified in 40 CFR § 63.11177 for a period of at least five years after the date of each record. Copies of records must be kept on site and in a printed or electronic form that is readily accessible for inspection for at least the first two years after their date, and may be kept off-site after that two year period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 26: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement: 40CFR 63.11201(b), Subpart JJJJJ

Item 26.1:

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

Emission Unit: 1-00804

Item 26.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The heating plant wood-fired boilers are subject to 40 CFR Part 63, Subpart JJJJJ.

1. Initial Tune ups: for existing boilers, the owner or



operator must conduct an initial tune-up as specified in § 63.11214 by March 21, 2014, and submit a signed statement in the Notification of Compliance Status report that indicates that the owner or operator conducted a tune-up of the boiler.

2. Biennial or five year tune up: pursuant to 40 CFR § 63.11205(a), the owner or operator must conduct a tune-up of the boiler biennially as specified in § 63.11223 unless the boiler is equipped with an O2 trim system that maintains an optimum air-to-fuel ratio, in which case a tune up is required every five years. Each biennial tune-up must be conducted no more than 25 months after the previous tune-up. For a new or reconstructed boiler, the first biennial tune-up must be no later than 25 months after the initial startup of the new or reconstructed boiler.

Each 5-year tune-up must be conducted no more than 61 months after the previous tune-up. For a new or reconstructed boiler with an oxygen trim system, the first 5-year tune-up must be no later than 61 months after the initial startup. The owner or operator may delay the burner inspection specified in 40 CFR § 63.11205(b)(1) and inspection of the system controlling the air-to-fuel ratio specified in paragraph 40 CFR § 63.11205(b)(3) until the next scheduled unit shutdown, but the owner or operator must inspect each burner and system controlling the air-to-fuel ratio at least once every 72 months.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 27: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement: 40CFR 63.11201(b), Subpart JJJJJ

Item 27.1:

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

Emission Unit: 1-00804

Item 27.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Energy Assessment



The owner or operator must conduct a one-time energy assessment as described in 40 CFR Part 63, Subpart 6J, Table 2.

1. The energy assessment must be conducted by a qualified energy assessor as defined in 40 CFR Part 63, Subpart JJJJJ unless waived by the EPA or the DEC.
2. The energy assessment must be completed no later than March 21, 2014.
3. The energy assessment must satisfy 40 CFR Part 63, Table 2.
4. The extent of the energy assessment shall follow the extent and duration as defined under "energy assessment" in 40 CFR Part 63, Section 11237.
5. No later than July 19, 2014, the owner or operator must submit a signed certification in the Notification of Compliance Status. In addition to the information required in 40 CFR 63.9(h)(2), the notification must include the following certification of compliance, signed by a responsible official: "This facility has had an energy assessment performed according to 40 CFR 63.11214(c)."

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 28: Good air pollution control practices
Effective between the dates of 08/11/2014 and 08/10/2024**

Applicable Federal Requirement:40CFR 63.11205(a), Subpart JJJJJ

Item 28.1:

At all times the owner or operator 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 any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that 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.

**Condition 29: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024**



Applicable Federal Requirement: 40CFR 63.11225(a), Subpart JJJJJ

Item 29.1:

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

Emission Unit: 1-00804

Item 29.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator must submit the notifications specified in 40 CFR 63 Subpart JJJJJ to the DEC and the EPA administrator.

The owner or operator must submit the Notification of Compliance Status no later than 120 days after the applicable compliance date specified in 40 CFR 63.11196. The owner or operator must submit the Notification of Compliance Status in accordance with paragraph (a)(4)(i) and (vi) of 40 CFR 63.11225. The Notification Status must include the information and certification of compliance in paragraphs (a)(4)(i) through (v) of 40 CFR 63.11225, as applicable, and signed by a responsible official.

(i) The owner or operator must submit the information required in 40 CFR 63.9(h)(2), except the information listed in 40 CFR 63.9(h)(2)(i)(B), (D), (E) and (f).

(ii) "This facility complies with the requirements in § 63.11214 to conduct an initial tune-up of the boiler."

(iii) "This facility has had an energy assessment performed according to § 63.11214(c)."

(iv) "No secondary materials that are solid waste were combusted in any affected unit."

(v) The notification must be submitted electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to 40 CFR Part 63, Subpart JJJJJ is not available in CEDRI at the time the report is due, the written Notification of Compliance Status must be submitted to the Administrator at the appropriate address listed in 40 CFR 63.13.



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 30: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:40CFR 63.11225(b), Subpart JJJJJ

Item 30.1:

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

Emission Unit: 1-00804

Item 30.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must prepare, by March 1 of each year in which a tune-up was conducted, and submit to the delegated authority upon request, a compliance certification report for the previous calendar year containing the information specified in paragraphs (1) and (2). For boilers that are subject only to a requirement to conduct a biennial or 5-year tune-up according to 40 CFR 63.11223(a) and not subject to emission limits or operating limits, the owner or operator may prepare only a biennial or 5-year compliance report.

(1) Company name and address.

(2) Statement by a responsible official, with the official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart. The notification must include the following certifications of compliance, as applicable, and signed by a responsible official:

(i) "This facility complies with the requirements in 40 CFR 63.11223 to conduct a biennial or 5-year tune-up, as applicable, of each boiler."

(ii) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit."



(iii) "This facility complies with the requirement in 40 CFR 63.11214(d) and 40 CFR 63.11223(a) to minimize the boiler's time spent during startup and shutdown and to conduct startups and shutdowns according to the manufacturer's recommended procedures or procedures specified for a boiler of similar design if manufacturer's recommended procedures are unavailable."

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 31: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement: 40CFR 63.11225(c), Subpart JJJJJ

Item 31.1:

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

Emission Unit: 1-00804

Item 31.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must maintain the records specified as follows:

(1) As required in 40 CFR 63.10(b)(2)(xiv), the owner or operator must keep a copy of each notification and report that he/she submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status that he/she submitted.

(2) The owner or operator must keep records to document conformance with the work practices, emission reduction measures, and management practices required by 40 CFR 63.11214 and 63.11223 as specified in 40 CFR 63.11225(c)(2)(i) through (vi), below.

(i) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.

(ii) For each boiler required to conduct an energy

New York State Department of Environmental Conservation

Permit ID: 7-4930-00016/00277

Facility DEC ID: 7493000016



assessment, you must keep a copy of the energy assessment report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 32: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:40CFR 63.11225(d), Subpart JJJJJJ

Item 32.1:

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

Emission Unit: 1-00804

Item 32.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator must maintain records in a form suitable and readily available for expeditious review. Each record must be kept for 5 years following the date of each recorded action. You must keep each record on-site or be accessible from a central location by computer or other means that instantly provides access at the site for 2 years after the date of each recorded action. The records may be kept off-site for the remaining 3 years.

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 1/30/2015.

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

Condition 33: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:40CFR 63, Subpart WWWWWW

Item 33.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 33.2:

Compliance Demonstration shall include the following monitoring:

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Permit ID: 7-4930-00016/00277

Facility DEC ID: 7493000016



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility operates an electrolytic plating process (tin-lead plating), a non-electrolytic conversion coating process that uses chromate (chrome +6), and a non-electrolytic sodium dichromate passivation bath, all of which are subject to 40 CFR Part 63, Subpart WWWWWW, Area Source Standards for Plating and Polishing.

1. Standards and Management Practices: The facility must comply with the control requirements of 40 CFR 63.11507, as applicable. Electrolytic plating must comply with 40 CFR 63.11507(a), and all plating and polishing must comply with 40 CFR 63.1105(g).

2. Compliance Requirements: The facility must comply with 40 CFR 63.11508, as applicable.

3. Notification, Reporting, and Recordkeeping Requirements: The facility must comply with 40 CFR 63.11509, as applicable, including the need to submit a revised Notification of Compliance Status if changes are made, to submit annual certifications, to submit a report of deviations if necessary, and to maintain records as specified in 40 CFR 63.11509(e) and (f).

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 1/30/2015.

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

Condition 34: Applicability
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 34.1:

Facilities that have reciprocating internal combustion engines must comply with applicable portions of 40 CFR 63 subpart ZZZZ.

Condition 35: Engines at Area sources of HAP
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 35.1:

Internal combustion engines, constructed or re-constructed on or after June 12, 2006, that meet

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the requirements of 40 CFR 60 Subpart IIII or Subpart JJJJ meet the requirements of 40 CFR 63 Subpart ZZZZ.

Condition 36: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:40CFR 63.6590(c), Subpart ZZZZ

Item 36.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 36.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Pursuant to 40 CFR 63.6590(c), a new or reconstructed stationary RICE located at an area source must meet the requirements of 40 CFR Part 63, Subpart ZZZZ by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR Part 63, Subpart ZZZZ.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Condition 37: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:6 NYCRR 227-1.2 (a) (4)

Item 37.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-00804

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 37.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING



Monitoring Description:

No person shall cause or allow an emission into the outdoor atmosphere of particulates in excess of the permissible emission rates specified in 6 NYCRR 227-1, Table 1.

For these wood fired boilers, the maximum heat input is 29 million Btu/hr; the allowable emission limit is 0.48 pounds per million Btu.

Compliance shall be determined through emissions testing in accordance with a protocol approved by the DEC, in accordance with the time frames specified in 6 NYCRR 202-1.

Testing shall be conducted upon the request of the DEC.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.48 pounds per million Btus

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 38: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

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

Item 38.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-00804

Item 38.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

1. The owner or operator shall not cause or allow the operation of either wood fired boiler such that it exhibits greater than 20 percent opacity (six minute average), except for one six-minute period per hour of not more than 27 percent opacity.

2. Compliance shall be determined using a continuous opacity monitor installed in the stack or breeching of each boiler, or in a combined stack. The opacity monitoring system shall record each six minute block period average opacity.



3. For each period where opacity is exhibited in excess of the limits in Item 1 of this condition, the owner or operator shall (1) maintain a record of the time of the excess opacity, its duration, cause and any corrective action taken to abate such emissions, and (2) submit to the DEC in writing no later than one week after such occurrence the information specified in Item (3)(1) of this condition.

4. On an annual basis, the owner or operator shall submit to the DEC a report stating (1) whether he or she has complied with this requirement, and (2) a list of all periods of operation in excess of the opacity limit stated in Item 1 above.

Manufacturer Name/Model Number: Continuous opacity monitor

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9 or COMs

Monitoring Frequency: CONTINUOUS

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 39: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:40CFR 60.7(b), NSPS Subpart A

Item 39.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-00804

Item 39.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator subject to the provisions of this part shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 40: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:40CFR 60.48c(g), NSPS Subpart Dc

Item 40.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-00804

Item 40.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Pursuant to the provisions of 40 CFR 60.48c(g), the owner or operator must record and maintain records of the amounts of fuel combusted each month. (Elsewhere in this permit, the owner or operator is required to measure and record the amount of wood fed to the boiler on a daily basis.)

On an annual basis, the owner or operator shall submit to the DEC a statement whether he or she has maintained such records.

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 41: Surface Coating- application requirements
Effective between the dates of 08/11/2014 and 08/10/2024

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

Item 41.1:

This Condition applies to Emission Unit: 1-ABU00

Item 41.2:

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

(i) flow/curtain coating;

(ii) dip coating;

(iii) cotton-tipped swab application;



- (iv) electro-deposition coating;
- (v) high volume low pressure spraying;
- (vi) electrostatic spray;
- (vii) airless spray, (including air assisted);
- (viii) airbrush application methods for stenciling, lettering, and other identification markings; or
- (ix) other coating application methods approved by the department which can demonstrate transfer efficiencies equivalent to or greater than high volume low pressure spray.

Condition 42: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 42.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 3-72400

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 42.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one six-minute period per hour of not more than 27 percent opacity.

The owner or operator shall conduct opacity observations according to 40 CFR Part 60, Appendix A, Method 9.

Upon the request of the DEC, the owner or operator shall observe the emission points while the device(s) is in operation. A report of such observations must be submitted to the Department within 30 days of conducting such observations. Such testing of a device is not required if fuel oil is combusted for less than 168 hours during the permit term.

All records of observations must be maintained at the

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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: ONCE / BATCH OR MONITORING OCCURRENCE



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

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

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

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 43: Contaminant List
Effective between the dates of 08/11/2014 and 08/10/2024



Applicable State Requirement:ECL 19-0301

Item 43.1:

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: 0NY100-00-0
Name: TOTAL HAP

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

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

Condition 44: Malfunctions and start-up/shutdown activities
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable State Requirement:6 NYCRR 201-1.4

Item 44.1:

(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 45: Emission Unit Definition
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable State Requirement: 6 NYCRR Subpart 201-5

Item 45.1:

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

Emission Unit: 1-00804

Emission Unit Description:

This emission unit consists of two 600 horsepower wood fired boilers for steam generation. The maximum heat input to each boiler is 29.9 mmBtu/hr.

Lockheed Martin, in its permit application, agreed to limit combined emissions of fine particulate from the two wood fired boilers to less than 15 tpy. Please refer to the DEC condition, 6 NYCRR 617.7.

Building(s): 302

Item 45.2:

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

Emission Unit: 1-ABU00

Emission Unit Description:

ASSEMBLY / SOLDERING / CLEANING OF ELECTRONIC CIRCUIT BOARDS AND ASSEMBLIES. INCLUDES OVENS, MANUAL OPERATIONS, PARTMARKING, BONDING, FLUX APPLICATION, AND WAVE SOLDERING, CENTRAL VACUUM SYSTEM FOR GENERAL CLEAN-UP. THE UNIT IS LOCATED IN BUILDING 001.

Building(s): 001

Item 45.3:

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

Emission Unit: 2-11000

Emission Unit Description:

CONTAINS OPERATIONS FOR MANUFACTURING PRINTED CIRCUIT BOARDS. THE UNIT IS LOCATED IN MANUFACTURING BUILDING 002.



OPERATIONS ARE LAMINATION OF CIRCUIT BOARD LAYERS, SURFACE PREPARATION/CLEANING OF PRINTED CIRCUIT BOARDS, COPPER PLATING, AND A SMALL TIN/LEAD PLATING OPERATION. THE UNIT CONTAINS TRIVIAL AND EXEMPT SOURCES IN ADDITION TO THE SOURCES LISTED IN THIS APPLICATION.

Building(s): 002

Item 45.4:

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

Emission Unit: 2-11001

Emission Unit Description:

AUTOMATIC DRILLING OPERATIONS FOR DRILLING THROUGH HOLES IN PRINTED CIRCUIT BOARDS PRIOR TO COPPER PLATING. THE UNIT CONTAINS AUTOMATIC DRILL MACHINES CONNECTED TO TWO DUST COLLECTORS AND IS LOCATED IN MANUFACTURING BUILDING 002. THE UNIT CONTAINS TWO EMISSIONS POINTS.

Building(s): 002

Item 45.5:

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

Emission Unit: 2-11100

Emission Unit Description:

EMISSION UNIT 2-11100 CONTAINS CHEMICAL PROCESSES FOR INSTALLATION OF CIRCUIT PATTERNS (CIRCUITIZING) ON PRINTED CIRCUIT BOARDS AND CIRCUIT BOARD LAYERS. THE PROCESS CONSISTS OF PHOTORESIST DEVELOPMENT, COPPER ETCHING, AND PHOTORESIST STRIP. ALSO INCLUDED IS A SOLDER STRIP AND BRIGHTENER PROCESS. THE UNIT IS LOCATED IN MANUFACTURING BUILDING 002.

Building(s): 002

Item 45.6:

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

Emission Unit: 2-11101

Emission Unit Description:

EMISSION UNIT 2-11101 CONSISTS OF A PROCESS WHERE CIRCUIT PANELS ARE CUT INTO INDIVIDUAL CIRCUIT BOARDS. EQUIPMENT SCORES PANELS AND PROFILES (CUTS) THEM TO SIZE. THE OPERATION IS CONNECTED TO ONE EMISSION POINT EQUIPPED WITH A DUST COLLECTOR. THE UNIT IS LOCATED IN



MANUFACTURING BUILDING 002.

Building(s): 002

Item 45.7:

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

Emission Unit: 2-14000

Emission Unit Description:

EMISSION UNIT 2-14000 IS A DRY FILM PHOTORESIST LAMINATION PROCESS. PHOTORESIST IS LAMINATED TO PRINTED CIRCUIT BOARDS USING HEAT AND PRESSURE. THE UNIT IS LOCATED IN MANUFACTURING BUILDING 002.

Building(s): 002

Item 45.8:

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

Emission Unit: 3-72000

Emission Unit Description:

EMISSION UNIT 3-72000 INCLUDES ALL REFRIGERATION EQUIPMENT AT THE SITE. SOURCES INCLUDE THE MAIN CHILLERS, COMPUTER ASSEMBLY TEST EQUIPMENT, AIR CONDITIONING EQUIPMENT, AND OTHER TYPES OF SOURCES SUCH AS REFRIGERATORS, FREEZERS, ALTHOUGH NO DIRECT EMISSIONS, LOSSES OCCUR DUE TO EQUIPMENT FAILURES OR DURING NORMAL MAINTENANCE OPERATIONS.

Building(s): 001
003

Item 45.9:

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

Emission Unit: 3-72400

Emission Unit Description:

EMISSION UNIT 3-72400 CONTAINS FACILITY'S FOSSIL FUEL COMBUSTION PROCESSES AT THE SITE AND INCLUDES ONE SMALL AND TWO MID-SIZE INDUSTRIAL BOILERS LOCATED IN BUILDING 301 AND ALL EMERGENCY GENERATORS AND OTHER EXEMPT COMBUSTION EQUIPMENT LOCATED THROUGHOUT THE SITE. THE SMALL AND MID-SIZE BOILERS BURN NATURAL GAS. ALL OTHER COMBUSTION SOURCES BURN EITHER NATURAL GAS OR #2 FUEL OIL. EMISSIONS OF NO_x AND SO₂ ARE EACH CAPPED AT 100 TONS/YEAR. THE THREE MAIN SITE BOILERS WERE INSTALLED PRIOR TO JUNE 9, 1989 AND ARE NOT SUBJECT TO 40 CFR PART 60 SUBPART Dc.

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Building(s): 003
301

Item 45.10:

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

Emission Unit: 3-72401

Emission Unit Description:

EMISSION UNIT 3-72041 CONTAINS CHEMICAL WASTE TREATMENT AND STORAGE OPERATIONS. EMISSION POINTS ARE LOCATED IN MANUFACTURING BUILDING 002 AND THE INDUSTRIAL WASTE TREATMENT FACILITY-BUILDING 352. WASTES TREATED OR STORED IN EMISSION UNIT 3-72401 ARE PRIMARILY INORGANICS GENERATED IN THE MANUFACTURE OF PRINTED CIRCUIT BOARDS.

Building(s): 002
352

Item 45.11:

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

Emission Unit: 3-MTU00

Emission Unit Description:

EMISSION UNIT 3-MTU00 IS A TOOL AND MODEL / METAL FABRICATION AREA INCLUDING A MACHINE SHOP IN MANUFACTURING BUILDING 001 AND A METAL SURFACE TREATMENT PROCESS IN MANUFACTURING BUILDING 002. THREE OPERATIONS ARE INCLUDED IN THE APPLICATION AND THE REMAINING PROCESSES ARE EXEMPT OR TRIVIAL.

Building(s): 001
002

Condition 46: Renewal deadlines for state facility permits
Effective between the dates of 08/11/2014 and 08/10/2024

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

Item 46.1:

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 47: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

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

New York State Department of Environmental Conservation

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Facility DEC ID: 7493000016



Item 47.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 47.2:

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 1/30/2015.

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

Condition 48: Visible Emissions Limited
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable State Requirement:6 NYCRR 211.2

Item 48.1:

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

Condition 49: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 49.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 49.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emissions of A and B - rated contaminants - Ambient
Guideline Concentration Limits

Several emission sources at this facility emit A-rated



contaminants, non-A-rated contaminants or both. This condition is applicable to all such devices. This condition is state-enforceable, and applies to non-criteria pollutants.

A facility-wide ambient impact analysis must be completed using DEC approved ambient modeling procedures for all pollutants for which an environmental rating is assigned by the DEC. This analysis must show that there are no predicted off-site ambient concentrations in excess of the Annual Guideline Concentration or Short term Guideline Concentration for each contaminant. This analysis shall include all emissions of such pollutant, facility-wide, so that cumulative impacts are modeled. Within 90 days of the effective date of this permit, the owner or operator must submit to the DEC a modeling protocol for the ambient impact analysis. Within 90 days of DEC's approval of the protocol, the owner or operator shall submit to the DEC a report describing the results of ambient impact analysis.

The owner or operator must not make any changes to the stack characteristics (height or exit velocity) that would result in a predicted or actual increase in ambient concentrations.

On an annual basis, beginning one year after receipt of this permit, and on a calendar year basis ending December 31 thereafter, the owner or operator shall submit to the DEC a report stating whether any changes were made to the operation of these emissions sources, or the air pollution control equipment, that could result in increases in predicted emissions. The first report shall be due 30 days after the end of the first 12 month rolling period, commencing with the receipt of this permit. Thereafter, reports shall be due March 1.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2015.

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

Condition 50: Compliance Demonstration
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 50.1:

The Compliance Demonstration activity will be performed for the Facility.



Item 50.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emissions of contaminants assigned an environmental rating and emission rate limits under Part 212.9.

Several emission sources at this facility emit A-rated contaminants, non-A-rated contaminants or both. This condition is applicable to all such devices. This condition is state-enforceable, and applies to non-criteria pollutants.

1. The emission rate potential of any A-rated pollutant shall not exceed 1.0 pound per hour.
2. The emission rate potential of any B or C rated pollutant, excluding pollutants that are also defined to be volatile organic compounds, shall not exceed 10.0 pounds per hour.

For this facility, A-rated contaminants are those contaminants listed with a "high" toxicity in the Department's most recent DAR-1 (Air Guide 1) guidance document, and any other contaminant that may be A-rated by the Department. All other pollutants are B-rated, unless otherwise rated by the Department.

3. The following shall not have an emissions rate that results in predicted ambient concentrations in excess of the Annual Guideline Concentration or the Short term Guideline Concentration for each contaminant, as determined in accordance with DAR-1 as specified elsewhere in this permit:

(A) contaminants rated A with an emission rate potential less than one pound per hour and

(B) contaminants rated B or C with an emission rate potential less than 10 pounds per hour.

Compliance will be determined using a stack emission test, conducted upon request from the DEC, according to methods promulgated by EPA, as approved by the DEC.

4. If the emissions source is equipped with an emissions control device, such device must be operated and maintained in a satisfactory state of maintenance and repair.



5. On an annual basis, on a calendar year basis ending December 31 thereafter, the owner or operator shall submit to the DEC a report stating whether any changes were made to the operation of these emissions sources, or the air pollution control equipment.

The first report shall be due 60 days after the end of the first 12 month rolling period, commencing with the receipt of this permit. Thereafter, reports shall be due March 1.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2015.

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

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

**Condition 51: Emission Point Definition By Emission Unit
Effective between the dates of 08/11/2014 and 08/10/2024**

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 51.1:

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

Emission Unit: 1-00804

Emission Point: 02000

Height (ft.): 55 Diameter (in.): 32
NYTMN (km.): 4661.982 NYTME (km.): 399.18 Building: 302

Emission Point: 02001 Removal Date: 10/15/2012

Height (ft.): 55 Diameter (in.): 32
NYTMN (km.): 4661.982 NYTME (km.): 399.18 Building: 302

Item 51.2:

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

Emission Unit: 1-ABU00

Emission Point: 00047

Height (ft.): 16 Diameter (in.): 10
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 001

Emission Point: 00122

Height (ft.): 33 Diameter (in.): 24

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NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 001
Emission Point: 00222		
Height (ft.): 36	Diameter (in.): 9	
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 001
Emission Point: 00226		
Height (ft.): 36	Diameter (in.): 14	
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 001
Emission Point: 00235		
Height (ft.): 36	Diameter (in.): 10	
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 001
Emission Point: 00410		
Height (ft.): 44	Diameter (in.): 42	
NYTMN (km.): 4661.9	NYTME (km.): 399.2	
Emission Point: 00458		
Height (ft.): 36	Length (in.): 17	Width (in.): 11
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 001
Emission Point: 00842		
Height (ft.): 28	Length (in.): 20	Width (in.): 14
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 001
Emission Point: 00948		
Height (ft.): 31	Length (in.): 52	Width (in.): 12
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 001

Item 51.3:

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

Emission Unit: 2-11000		
Emission Point: 00251		
Height (ft.): 26	Diameter (in.): 2	
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002
Emission Point: 00298		
Height (ft.): 36	Length (in.): 14	Removal Date: 10/15/2012
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Width (in.): 18
Emission Point: 00299		
Height (ft.): 26	Diameter (in.): 2	
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002
Emission Point: 00300		
Height (ft.): 26	Diameter (in.): 2	
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002
Emission Point: 00769		

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Height (ft.): 32	Length (in.): 6	Width (in.): 7
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002
Emission Point: 00913		
Height (ft.): 34	Diameter (in.): 8	
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002
Emission Point: 00921		
Height (ft.): 36	Diameter (in.): 26	Removal Date: 10/15/2012
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002
Emission Point: 00922		
Height (ft.): 36	Diameter (in.): 30	Removal Date: 10/15/2012
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002
Emission Point: 00923		
Height (ft.): 36	Diameter (in.): 26	Removal Date: 10/15/2012
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002
Emission Point: 00924		
Height (ft.): 36	Diameter (in.): 22	Removal Date: 10/15/2012
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002
Emission Point: 00925		
Height (ft.): 36	Diameter (in.): 18	Removal Date: 10/15/2012
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002
Emission Point: 00926		
Height (ft.): 36	Diameter (in.): 20	Removal Date: 10/15/2012
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002
Emission Point: 00951		
Height (ft.): 36	Length (in.): 25	Width (in.): 18
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002
Emission Point: 00961		
Height (ft.): 36	Diameter (in.): 7	
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002
Emission Point: 00962		
Height (ft.): 36	Diameter (in.): 16	
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002
Emission Point: 00964		
Height (ft.): 36	Diameter (in.): 16	
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002
Emission Point: 00970		
Height (ft.): 35	Diameter (in.): 4	
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002
Emission Point: 00979		



Height (ft.): 36 NYTMN (km.): 4661.9	Diameter (in.): 10 NYTME (km.): 399.2	Building: 002
Emission Point: 00980 Height (ft.): 36 NYTMN (km.): 4661.9	Diameter (in.): 17 NYTME (km.): 399.2	Building: 002
Emission Point: 00981 Height (ft.): 36 NYTMN (km.): 4661.9	Diameter (in.): 8 NYTME (km.): 349.2	Building: 002
Emission Point: 00989 Height (ft.): 36 NYTMN (km.): 4661.9	Diameter (in.): 12 NYTME (km.): 399.2	Building: 002
Emission Point: 00990 Height (ft.): 36 NYTMN (km.): 4661.9	Diameter (in.): 18 NYTME (km.): 399.2	Building: 002
Emission Point: 00991 Height (ft.): 36 NYTMN (km.): 4661.9	Diameter (in.): 10 NYTME (km.): 399.2	Building: 002

Item 51.4:

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

Emission Unit: 2-11001		
Emission Point: 00145 Height (ft.): 36 NYTMN (km.): 4661.9	Diameter (in.): 8 NYTME (km.): 399.2	Building: 002
Emission Point: 00183 Height (ft.): 30 NYTMN (km.): 4661.9	Diameter (in.): 8 NYTME (km.): 399.2	Building: 002

Item 51.5:

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

Emission Unit: 2-11100		
Emission Point: 00266 Height (ft.): 35 NYTMN (km.): 4661.9	Removal Date: 10/15/2012 Length (in.): 18 NYTME (km.): 399.2	Width (in.): 27 Building: 002
Emission Point: 00283 Height (ft.): 36 NYTMN (km.): 4661.9	Diameter (in.): 11 NYTME (km.): 399.2	Building: 002
Emission Point: 00292 Height (ft.): 36 NYTMN (km.): 4661.9	Diameter (in.): 14 NYTME (km.): 399.2	Building: 002



Emission Point: 00293
Height (ft.): 36 Diameter (in.): 11
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 002

Emission Point: 00294
Height (ft.): 36 Diameter (in.): 11
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 002

Emission Point: 00295
Height (ft.): 36 Diameter (in.): 11
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 002

Emission Point: 00470
Height (ft.): 34 Diameter (in.): 8
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 002

Emission Point: 00471
Height (ft.): 34 Diameter (in.): 6
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 002

Item 51.6:

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

Emission Unit: 2-11101

Emission Point: 00144
Height (ft.): 25 Diameter (in.): 8
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 002

Item 51.7:

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

Emission Unit: 2-14000

Emission Point: 00986
Height (ft.): 36 Length (in.): 12 Width (in.): 17
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 002

Item 51.8:

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

Emission Unit: 3-72400

Emission Point: 0001A
Height (ft.): 44 Diameter (in.): 48
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 301

Emission Point: 0002A
Height (ft.): 44 Diameter (in.): 36
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 301

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Emission Point: 0003A
Height (ft.): 44 Diameter (in.): 48
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 301

Item 51.9:

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

Emission Unit: 3-72401

Emission Point: 00137
Height (ft.): 36 Diameter (in.): 12
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 002

Emission Point: 00164 Removal Date: 10/15/2012
Height (ft.): 36 Diameter (in.): 8
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 002

Emission Point: 00904
Height (ft.): 36 Diameter (in.): 4
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 002

Emission Point: WT005
Height (ft.): 38 Diameter (in.): 6
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 352

Emission Point: WT009
Height (ft.): 44 Diameter (in.): 36
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 352

Item 51.10:

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

Emission Unit: 3-MTU00

Emission Point: 00143 Removal Date: 10/15/2012
Height (ft.): 34 Diameter (in.): 12
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 001

Emission Point: 00231
Height (ft.): 36 Diameter (in.): 10
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 002

Emission Point: 00232
Height (ft.): 36 Diameter (in.): 16
NYTMN (km.): 4661.9 NYTME (km.): 399.2 Building: 002

Condition 52: Process Definition By Emission Unit
Effective between the dates of 08/11/2014 and 08/10/2024

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 52.1:



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

Emission Unit: 1-00804
Process: 080 Source Classification Code: 1-01-009-02
Process Description:
Firing wet (35-50% moisture) wood and bark hogged fuel
from lumber mills.

Emission Source/Control: 08010 - Combustion

Emission Source/Control: 08011 - Combustion

Emission Source/Control: 01027 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: 8010C - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Emission Source/Control: 8011C - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 52.2:

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

Emission Unit: 1-ABU00
Process: 009 Source Classification Code: 3-13-030-01
Process Description:
ASSEMBLY / SOLDERING / CLEANING OF
ELECTRONIC CIRCUIT BOARDS AND ASSEMBLIES.
INCLUDES OVENS, MANUAL OPERATIONS,
PARTMARKING, BONDING, FLUX APPLICATION, AND
WAVE SOLDERING. CENTRAL VACUUM SYSTEM FOR
GENERAL CLEAN-UP.

Emission Source/Control: 01024 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 01007 - Process

Emission Source/Control: 01008 - Process

Emission Source/Control: 04660 - Process

Emission Source/Control: 05056 - Process

Emission Source/Control: 05894 - Process

Emission Source/Control: 08566 - Process

Emission Source/Control: 08688 - Process

Item 52.3:



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

Emission Unit: 1-ABU00
Process: PNT Source Classification Code: 4-02-025-01
Process Description: Spray coating of metal parts

Emission Source/Control: 01029 - Process

Emission Source/Control: PAINT - Process
Design Capacity: 25 gallons per month

Item 52.4:

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

Emission Unit: 2-11000
Process: 001 Source Classification Code: 3-13-030-01
Process Description:

COPPER PLATING PROCESS FOR PRINTED CIRCUIT
BOARDS, PROCESS INCLUDES CLEANING, SURFACE
PREPARATION OF PRINTED CIRCUIT BOARDS AND
PRINTED CIRCUIT BOARD LAYERS, FIBERGLASS
ETCH OF THRU HOLES, COPPER PLATING, SURFACE
TREATMENT FOLLOWING PLATING.

Emission Source/Control: 01011 - Process

Emission Source/Control: 01025 - Process

Emission Source/Control: 01026 - Process

Emission Source/Control: 08080 - Process

Emission Source/Control: 08152 - Process

Emission Source/Control: 08172 - Process

Item 52.5:

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

Emission Unit: 2-11000
Process: 002 Source Classification Code: 3-13-030-01
Process Description: TIN / LEAD PLATING OF PRINTED CIRCUIT BOARDS.

Emission Source/Control: 08081 - Process

Item 52.6:

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

Emission Unit: 2-11001
Process: 003 Source Classification Code: 3-13-030-01
Process Description:

DRILLING HOLES IN PRINTED CIRCUIT BOARDS.



OPERATION CONNECTED TO TWO DUST COLLECTORS.

Emission Source/Control: 01021 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 01022 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 01006 - Process

Item 52.7:

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

Emission Unit: 2-11100
Process: 005 Source Classification Code: 3-13-030-01
Process Description:
ACID AND ALKALINE DEVELOP / ETCH / STRIP
LINES FOR INSTALLING CIRCUIT CONNECTIONS ON
PRINTED CIRCUIT BOARDS. ALSO CONTAINS
ALKALINE DEVELOPER FOR DRY FILM SOLDER MASK
PROCESS.

Emission Source/Control: 01012 - Process

Emission Source/Control: 01013 - Process

Emission Source/Control: 05825 - Process

Emission Source/Control: 05826 - Process

Emission Source/Control: 05827 - Process

Emission Source/Control: 08235 - Process

Emission Source/Control: 08237 - Process

Item 52.8:

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

Emission Unit: 2-11101
Process: 006 Source Classification Code: 3-13-030-01
Process Description:
PROFILE (CUT TO SIZE) PRINTED CIRCUIT
BOARD PANELS INTO INDIVIDUAL CIRCUIT
BOARDS.

Emission Source/Control: 01023 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 08204 - Process



Emission Source/Control: 08347 - Process

Emission Source/Control: 08981 - Process

Item 52.9:

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

Emission Unit: 2-14000

Process: 008

Source Classification Code: 3-13-030-01

Process Description:

DRY FILM PHOTORESIST LAMINATION AREA FOR
APPLYING RESIST TO CIRCUIT BOARDS IN THE
CIRCUITIZING PROCESS.

Emission Source/Control: 01005 - Process

Item 52.10:

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

Emission Unit: 3-72000

Process: 013

Process Description:

REFRIGERATION EQUIPMENT INCLUDING
CHILLERS, AIR CONDITIONERS, REFRIGERATORS,
FREEZERS, ENVIRONMENTAL TEST CHAMBERS, AND
OTHER MISCELLANEOUS REFRIGERATION
EQUIPMENT.

Emission Source/Control: 01018 - Process

Emission Source/Control: 01019 - Process

Emission Source/Control: 01020 - Process

Item 52.11:

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

Emission Unit: 3-72400

Process: 011

Process Description:

THREE BOILERS - 57 MMBTU, 32 MMBTU/HR AND
57 MMBTU HEAT INPUT, BURNING NATURAL GAS.
(The boilers can also burn No. 2
oil.)

The larger boilers are Nebraska Boiler
Company model NS-C-55 and the smaller
boiler is a Nebraska Boiler Company
NS-B-37.

Emission Source/Control: 05551 - Combustion

Design Capacity: 57 million Btu per hour



Emission Source/Control: 05801 - Combustion
Design Capacity: 32 million Btu per hour

Emission Source/Control: 05802 - Combustion
Design Capacity: 57 million Btu per hour

Item 52.12:

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

Emission Unit: 3-72400
Process: 014 Source Classification Code: 1-02-004-02
Process Description: No. 2 fuel oil combustion in any of three boilers.

Emission Source/Control: 05551 - Combustion
Design Capacity: 57 million Btu per hour

Emission Source/Control: 05801 - Combustion
Design Capacity: 32 million Btu per hour

Emission Source/Control: 05802 - Combustion
Design Capacity: 57 million Btu per hour

Item 52.13:

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

Emission Unit: 3-72401
Process: 012
Process Description:
WASTE STORAGE AND TREATMENT PROCESS.
CONSISTS OF COLLECTION, STORAGE, AND
TREATMENT OPERATIONS IN BUILDING 002 AND
352. OPERATION INCLUDES VENTILATION OF THE
CHEMICAL FEED AREA AND A SLUDGE DRYER AT
THE TREATMENT FACILITY.

Emission Source/Control: 01017 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 01009 - Process

Emission Source/Control: 01014 - Process

Emission Source/Control: 05376 - Process

Item 52.14:

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

Emission Unit: 3-MTU00
Process: 010
Process Description:
METAL SURFACE TREATMENT PROCESS, MACHINING



OPERATIONS WITH DUST COLLECTOR.

Emission Source/Control: 01016 - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: 01015 - Process

Emission Source/Control: 08477 - Process

