

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 7493000016**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 7-4930-00016/00277  
Mod 0 Effective Date: 02/25/2005 Expiration Date: 02/25/2010  
Mod 1 Effective Date: 10/02/2007 Expiration Date: 10/02/2012

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

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

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

Description:  
Lockheed Martin intends to install two new wood fired boilers. This permit authorized such construction.

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.

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

**Item B: Permittee's Contractors to Comply with Permit**

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

**Item C: Permittee Responsible for Obtaining Other Required Permits**

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

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

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a 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  
Applications for Permit Renewals and Modifications  
Permit modifications, suspensions or revocations by the Department  
Permit Modifications, Suspensions and Revocations by the Department

**Facility Level**

Submission of Applications for Permit Modification or Renewal -REGION 7  
HEADQUARTERS  
Submission of application for permit modification or renewal-REGION 7  
SUBOFFICE - CORTLAND

**DEC SPECIAL CONDITIONS**

PM2.5 condition



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

**Condition 2: Facility Inspection by the Department**  
**Applicable State Requirement: ECL 19-0305**

**Item 2.1:**

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 2.2:**

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 2.3:**

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 1: Relationship of this Permit to Other Department Orders and Determinations**  
**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 1.1:**

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 1-3: Applications for permit renewals, modifications and transfers**  
**Applicable State Requirement: 6NYCRR 621.11**

**Item 1-3.1:**

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 1-3.2:**

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 1-3.3:**

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



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actual transfer of ownership.

**Condition 3: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13**

**Expired by Mod No: 1**

**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 1-6: Permit modifications, suspensions or revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 1-6.1:**

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

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

**Condition 4: Permit Modifications, Suspensions and Revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.14**

**Item 4.1:**

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

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;

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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 Applications for Permit Modification or Renewal -REGION 7 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.5(a)**

**Expired by Mod No: 1**

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 7 Headquarters  
Division of Environmental Permits  
615 Erie Blvd West  
Syracuse, NY 13204-2400  
(315) 426-7400

**Condition 1-7: Submission of application for permit modification or renewal-REGION 7 SUBOFFICE - CORTLAND**  
**Applicable State Requirement: 6NYCRR 621.6(a)**

**Item 1-7.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 7 Sub-office  
Division of Environmental Permits  
1285 Fisher Avenue  
Cortland, NY 13045-1090  
(607) 753-3095



**DEC SPECIAL CONDITIONS**

**Condition 1-8: PM2.5 condition**

**Applicable State Requirement: 6NYCRR 617.7**

**Item 1-8.1:**

1. The owner or operator shall not cause or allow the combined emissions of fine particulate matter (PM2.5; 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 PM2.5 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 PM2.5/ton of wood)/2000.

The PM2.5 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.



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

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

**IDENTIFICATION INFORMATION**

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

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

Authorized Activity By Standard Industrial Classification Code:  
3679 - ELECTRONIC COMPONENTS, NEC  
3812 - SEARCH AND NAVIGATION EQUIPMENT  
7373 - COMPUTER INTEGRATED SYSTEMS DESIGN

Mod 0 Permit Effective Date: 02/25/2005

Permit Expiration Date: 02/25/2010

Mod 1 Permit Effective Date: 10/02/2007

Permit Expiration Date: 10/02/2012



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1-1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 1 6NYCRR 200.7: Maintenance of Equipment
- 2 6NYCRR 200.7: Compliance Demonstration
- 1-2 6NYCRR 201-7.2: Facility Permissible Emissions
- \*1-3 6NYCRR 201-7.2: Capping Monitoring Condition
- \*1-4 6NYCRR 201-7.2: Capping Monitoring Condition
- 3 6NYCRR 212.4(a): Compliance Demonstration
- 4 6NYCRR 212.4(a): Compliance Demonstration
- 5 6NYCRR 212.4(c): Compliance Demonstration
- 6 6NYCRR 212.6: Compliance Demonstration
- 7 6NYCRR 225-1.2(a)(2): Compliance Demonstration
- 8 6NYCRR 228.1(e)(13): Compliance Demonstration
- 9 6NYCRR 228.1(e)(13): Compliance Demonstration
- 10 40CFR 52.21, Subpart A: Compliance Demonstration

**Emission Unit Level**

**EU=1-00804**

- 1-5 6NYCRR 227-1.2(a)(4): Compliance Demonstration
- 1-6 6NYCRR 227-1.3(a): Compliance Demonstration
- 1-7 40CFR 60.7(b), NSPS Subpart A: Compliance Demonstration
- 1-8 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Demonstration
- 1-9 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Demonstration

**EU=1-ABU00**

- 11 6NYCRR 228.3(a): Compliance Demonstration
- 12 6NYCRR 228.4: Compliance Demonstration
- 13 6NYCRR 228.5(d): Department access to obtain samples.

**EU=3-72400**

- 16 6NYCRR 225-1.8(a): Compliance Demonstration
- 14 6NYCRR 227-1.3: Compliance Demonstration
- 15 6NYCRR 227.2(b)(1): Compliance Demonstration

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 17 ECL 19-0301: Contaminant List
- 18 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 19 6NYCRR 201-5: Emission Unit Definition
- 20 6NYCRR 201-5.4(b): Compliance Demonstration
- 21 6NYCRR 201-7.2: Facility Permissible Emissions
- \*22 6NYCRR 201-7.2: Capping Monitoring Condition



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- \*23 6NYCRR 201-7.2: Capping Monitoring Condition
- \*24 6NYCRR 201-7.2: Capping Monitoring Condition
- \*25 6NYCRR 201-7.2: Capping Monitoring Condition
- \*26 6NYCRR 201-7.2: Capping Monitoring Condition
- 27 6NYCRR 211.2: Air pollution prohibited
- 28 6NYCRR 212.4(a): Compliance Demonstration
- 29 6NYCRR 212.4(a): Compliance Demonstration
- 30 6NYCRR 225-1.2(a)(2): Compliance Demonstration

**Emission Unit Level**

- 31 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 32 6NYCRR 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 - 6NYCRR Part 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 - 6NYCRR Part 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 - 6NYCRR Part 200.7**

Any person who owns or operates an air contamination

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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 - 6NYCRR Part 201-1.2**

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

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

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

**Item E: Emergency Defense - 6NYCRR Part 201-1.5**

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

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

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;

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

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

(4) The facility owner and/or operator notified the Department within two working days after the event



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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 - 6NYCRR Part 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 - 6NYCRR Part 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 Part 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 Part 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



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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 Part 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 6NYCRR Part 202-1.

**Item K: Visible Emissions Limited - 6 NYCRR Part 211.3**

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.

**Item L: Open Fires - 6 NYCRR Part 215**

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

**Item M: 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

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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 N:** **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 1-1: Acceptable Ambient Air Quality**  
**Effective between the dates of 10/02/2007 and 10/02/2012**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 1-1.1:**  
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 1: Maintenance of Equipment**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 1.1:**  
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



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specifications, required to operate such device effectively.

**Condition 2: Compliance Demonstration**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 2.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2.2:**

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.

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.



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The initial report is due 3/1/2006.

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

**Condition 1-2: Facility Permissible Emissions**

**Effective between the dates of 10/02/2007 and 10/02/2012**

**Applicable Federal Requirement: 6NYCRR 201-7.2**

**Item 1-2.1:**

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 (From Mod 1) PTE: 190,000 pounds per year  
Name: CARBON MONOXIDE

CAS No: 0NY210-00-0 (From Mod 1) PTE: 190,000 pounds per year  
Name: OXIDES OF NITROGEN

**Condition 1-3: Capping Monitoring Condition**

**Effective between the dates of 10/02/2007 and 10/02/2012**

**Applicable Federal Requirement: 6NYCRR 201-7.2**

**Item 1-3.1:**

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

6NYCRR 201-6

**Item 1-3.2:**

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

**Item 1-3.3:**

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 1-3.4:**

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



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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 1-3.5:**

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 1-3.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 1-3.7:**

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.

$$\text{CO emissions, tons} = [(0.005 \text{ lb CO}_x/\text{gal oil}) * (\text{gallons of oil burned}) + (0.000081 \text{ lb CO}/\text{scf natural gas}) * (\text{scf natural gas burned}) + (6.21 \text{ pounds CO}/\text{ton wood fired}) * (\text{ton of wood fired}) + (0.0067 \text{ lb CO}/\text{bhp-hr}) * (\text{capacity of the generator or fire pump, bhp}) * (\text{operating hours of the diesel engine and fire pump})] / 2000$$

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.

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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 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 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. 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.

The reports shall be due March 1 of each 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.

Process Material: FUEL

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 95 tons per year

Monitoring Frequency: ANNUALLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)



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Reports due 60 days after the reporting period.  
The initial report is due 2/29/2008.  
Subsequent reports are due every 12 calendar month(s).

**Condition 1-4: Capping Monitoring Condition**  
**Effective between the dates of 10/02/2007 and 10/02/2012**

**Applicable Federal Requirement: 6NYCRR 201-7.2**

**Item 1-4.1:**

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

6NYCRR 227-2

**Item 1-4.2:**

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

**Item 1-4.3:**

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 1-4.4:**

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 1-4.5:**

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 1-4.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 1-4.7:**

Compliance Demonstration shall include the following monitoring:

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Capping: Yes

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

Monitoring Description:

Facility-wide emissions of NO<sub>x</sub> 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<sub>x</sub> emissions, tons = [(0.055 lb NO<sub>x</sub>/gal No. 6 oil)\*(gallons of No. 6 oil burned) + (0.020 lb NO<sub>x</sub>/gal No. 2 oil burned)\*(gallons of No. 2 oil or diesel oil burned) + (0.0001 lb NO<sub>x</sub>/scf natural gas)\*(scf natural gas burned) + (2.28 pounds NO<sub>x</sub>/ton wood fired) \* (ton of wood fired) + (0.031 lb NO<sub>x</sub>/bhp-hr)\*(capacity of the generator or fire pump, bhp)\*(operating hours of the diesel engine and fire pump)]/2000

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<sub>x</sub> emissions for each month, as well as the annual NO<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> emissions factors. The owner shall test such devices for NO<sub>x</sub> 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

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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 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 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. 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.

The reports shall be due March 1 of each 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.

Process Material: FUEL

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 95 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

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

**Condition 3: Compliance Demonstration**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable Federal Requirement: 6NYCRR 212.4(a)**

**Item 3.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 3.2:**

Compliance Demonstration shall include the following monitoring:

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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.



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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 3/1/2006.

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

**Condition 4: Compliance Demonstration**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable Federal Requirement: 6NYCRR 212.4(a)**

**Item 4.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 4.2:**

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.

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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.

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 3/1/2006.

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

**Condition 5: Compliance Demonstration**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable Federal Requirement: 6NYCRR 212.4(c)**



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**Item 5.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 5.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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.

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.

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



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**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 3/1/2006.

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

**Condition 6: Compliance Demonstration**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable Federal Requirement: 6NYCRR 212.6**

**Item 6.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 6.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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



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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 3/1/2006.

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

**Condition 7: Compliance Demonstration**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

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

**Item 7.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 7.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Fuel oil is used at various sites throughout the facility, and is subject to 6 NYCRR 225-1.2(a)(2), limiting the sulfur content in fuel.

The owner or operator shall not sell, offer for sale, purchase or use any fuel oil which contains sulfur in a quantity exceeding 2.0 % sulfur, by weight. This limit is federally-enforceable. The state-enforceable limit is 1.5% sulfur by weight.

Diesel fuel, by specification, must contain no more than 0.05% sulfur, and No. 2 oil, by specification, must contain no more than 0.5% sulfur.

Compliance shall be determined by sampling and analysis,

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upon the request of the DEC.

On an annual calendar basis, the owner or operator shall submit to the DEC a report stating whether any fuel oil has been received, and state the results of any fuel oil analyses (if any were conducted). 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. Additionally, if any fuel oil analysis is shown to exceed 1.5 percent sulfur by weight, the owner or operator must submit a report to the DEC within 30 days of receipt of such analysis.

Process Material: FUEL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 2.0 percent by weight

Reference Test Method: EPA Method 19

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2006.

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

**Condition 8: Compliance Demonstration**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable Federal Requirement: 6NYCRR 228.1(e)(13)**

**Item 8.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 8.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Part 228 does not apply to low-use specialty coatings where plant-wide annual use of all low-use specialty coatings is equal to or less than 55 gallons, provided that:



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1. A particular specialty coating may be used without prior Department approval if (1) the coating does not contain any A-rated contaminant(s); or (2) the coating contains A-rated contaminants, and the emission rate potential of such contaminants is less than the emission rate potential of that contaminant in other coatings for which DEC has granted approval to use; and (3) a record of all Hazardous Air Pollutants (HAPs) contained in the specialty coating is maintained. An A-rated contaminant is a contaminant listed as a "High Toxicity Contaminant" in the most recent DAR-1 Annual Guideline Concentration (AGC)/Short-term Guideline Concentration (SGC) list, and any other contaminant that is assigned an A-rating by the Department;
2. Any specialty coating containing an A-rated contaminant must receive Department approval prior to use, except as noted in item 1 above;
3. Accurate records verifying actual usage of each specialty coating must be maintained; and
4. specialty coating use, HAP content and VOC content must be reported to the Department annually.

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 3/1/2006.

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

**Condition 9: Compliance Demonstration**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable Federal Requirement: 6NYCRR 228.1(e)(13)**

**Item 9.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 9.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



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**Monitoring Description:**

Low-use surface coatings used for intermittent or specialty-type operations, where the combined facility-wide total usage is 55 gallons or less on a twelve month rolling basis are not subject to the requirements of 6 NYCRR 228. Records of low-use surface coatings usage must be maintained on an as used basis in a format acceptable to the department in accordance with the recordkeeping provisions of section 228.5. Beginning January 1, 2005, mobile equipment repair and refinishing or color matched coating lines will not qualify for this exemption.

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 10: Compliance Demonstration**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Item 10.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 10.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE SITE SHALL COMPLY WITH ALL  
RECORDKEEPING AND REPORTING REQUIREMENTS  
CONTAINED IN THE PREVENTION OF  
SIGNIFICANT DETERIORATION PERMIT ISSUED  
TO IBM ON JUNE 8, 1983 FOR ALL PSD  
AFFECTED SOURCES.

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 3/1/2006.

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

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

**Condition 1-5: Compliance Demonstration**

**Effective between the dates of 10/02/2007 and 10/02/2012**

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

**Item 1-5.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-00804

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-5.2:**

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 1-6: Compliance Demonstration**

**Effective between the dates of 10/02/2007 and 10/02/2012**

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

**Item 1-6.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-00804

**Item 1-6.2:**

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

Monitoring Frequency: CONTINUOUS

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due every 12 calendar month(s).

**Condition 1-7: Compliance Demonstration**  
**Effective between the dates of 10/02/2007 and 10/02/2012**

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

**Item 1-7.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-00804

**Item 1-7.2:**

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 1-8: Compliance Demonstration**  
**Effective between the dates of 10/02/2007 and 10/02/2012**

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

**Item 1-8.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-00804

**Item 1-8.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



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The owner and operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7 of this part. This notification shall include:

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
- (2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR 60.42c., or 40 CFR 60.43c.
- (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-9: Compliance Demonstration**  
**Effective between the dates of 10/02/2007 and 10/02/2012**

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

**Item 1-9.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-00804

**Item 1-9.2:**

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

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records.

Monitoring Frequency: MONTHLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due every 12 calendar month(s).

**Condition 11: Compliance Demonstration**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable Federal Requirement: 6NYCRR 228.3(a)**

**Item 11.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-ABU00

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

**Item 11.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Pursuant to 6 NYCRR Part 228.3 and 228.7, the owner or operator shall not cause or allow the use of coatings, except low use specialty coatings, that contain VOC in excess of 3.5 pounds VOC per gallon of coating, minus water and excluded, on an as-applied basis as defined in 6 NYCRR 228.2(b)(11). The owner or operator shall maintain records of coating formulations and, for each coating, records of the pounds of VOC per gallon of coating, minus water and excluded VOC. Acceptable test methods for determining the volatile content, water content, density, volume of solids and weight of solids of surface coatings are presented in 40 CFR Part 60, Appendix A, Method 24. Where Method 24 is not applicable, coating formulation data shall be used to demonstrate compliance.

Pursuant to 6 NYCRR 228.5(d), representatives of the Department shall be permitted, during reasonable business hours, to obtain coating samples for the purpose of determining compliance.



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The owner or operator shall submit to the Department, on an annual calendar year basis, a statement whether all coatings used comply with this emission limit. 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

Process Material: COATING

Parameter Monitored: VOC CONTENT

Upper Permit Limit: 3.5 pounds per gallon

Reference Test Method: 40 CFR 60, Appendix A, Method 24

Monitoring Frequency: SINGLE OCCURRENCE

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

Reporting Requirements: ANNUALLY (ANNIVERSARY)

Initial Report Due: 04/25/2006 for the period 02/25/2005 through 02/24/2006

**Condition 12: Compliance Demonstration**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable Federal Requirement: 6NYCRR 228.4**

**Item 12.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-ABU00

**Item 12.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Upon request from the DEC, the owner or operator shall determine compliance in accordance with 40 CFR Part 60, Appendix A, EPA Method 9, and shall submit to the DEC the results within 30 days of such testing.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



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**Condition 13: Department access to obtain samples.**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable Federal Requirement: 6NYCRR 228.5(d)**

**Item 13.1:**

This Condition applies to Emission Unit: 1-ABU00

**Item 13.2:**

Representatives of the Department must be permitted during reasonable business hours, to obtain coating samples for the purpose of determining compliance with 6NYCRR Part 228.

**Condition 16: Compliance Demonstration**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable Federal Requirement: 6NYCRR 225-1.8(a)**

**Item 16.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 3-72400

**Item 16.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall retain fuel oil supplier certifications for each shipment of oil received. Such certifications shall contain, as a minimum: supplier name, date of shipment, quantity shipped, oil sulfur content, and the method used to determine the sulfur content. Such certifications shall be available for inspection by, or submittal to, NYSDEC upon request.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 14: Compliance Demonstration**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable Federal Requirement: 6NYCRR 227-1.3**

**Item 14.1:**



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The Compliance Demonstration activity will be performed for:

Emission Unit: 3-72400

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 14.2:**

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.

At least once per permit term, the owner or operator shall observe the emission points while the device is in operation. A report of such observations must be submitted to the Department within 30 days of conducting such observations. Such testing 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 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

**Condition 15: Compliance Demonstration**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable Federal Requirement: 6NYCRR 227.2(b)(1)**

**Item 15.1:**

The Compliance Demonstration activity will be performed for:

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**Facility DEC ID: 7493000016**



Emission Unit: 3-72400

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 15.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Pursuant to Section 110 of the Federal Clean Air Act, the EPA approved, as part of New York's State Implementation Plan, a regulation for the control of particulate matter. The Department has since revised this rule, changing the applicability criteria and the numerical limits. The revisions, however, have not been approved by the EPA. This condition requires compliance with the rule as it is contained in the federally-approved SIP. This requirement was previously cited as 6 NYCRR Part 227.2(b)(1) and is listed in the table of EPA-approved New York State regulations cited under 40 CFR 52.1679 Subpart HH.

The requirement is stated as follows:

No person shall cause, permit or allow a two hour average emission into the outdoor atmosphere of particulates in excess of 0.10 pound per million Btu heat input from any oil fired stationary combustion installation. Upon written application, the commissioner may exempt a person from the provisions of this section, when in view of the properties of the emissions, isolated conditions, stack height and other factors, it is clearly demonstrated that the emissions thus permitted will not cause a contravention of established ambient air quality standards.

Compliance testing must be performed once per permit term and other times at the discretion of the Department.

Compliance testing is not required if the boilers fire No. 6 fuel oil less than 168 hours per calendar year for each year. If, during any single calendar year the facility combusts fueloil for more than 168 hours, the facility is required to test at least once in that permit term.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

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Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



**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 - 6NYCRR Part 201-1.10(a)**

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1) , and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

**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

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law.

**STATE ONLY APPLICABLE REQUIREMENTS**

**The following conditions are state only enforceable.**

**Condition 17: Contaminant List**

**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable State Requirement: ECL 19-0301**

**Item 17.1:**

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: 0NY100-00-0  
Name: HAP

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

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

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

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

**Condition 18: Unavoidable noncompliance and violations**

**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable State Requirement: 6NYCRR 201-1.4**

**Item 18.1:**

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

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any



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

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

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

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

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

**Condition 19: Emission Unit Definition**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 19.1(From Mod 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

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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 19.2(From Mod 0):**

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 19.3(From Mod 0):**

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 19.4(From Mod 0):**

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

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DUST COLLECTORS AND IS LOCATED IN MANUFACTURING BUILDING 002. THE UNIT CONTAINS TWO EMISSIONS POINTS.

Building(s): 002

**Item 19.5(From Mod 0):**

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 19.6(From Mod 0):**

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 19.7(From Mod 0):**

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

Emission Unit: 2-11102

Emission Unit Description:

EMISSION UNIT 2-11102 IS A CIRCUIT BOARD SOLDER PROCESS CONSISTING OF PREHEATING OVEN, SOLDER COAT MACHINE, AND OTHER OPERATIONS WHICH ARE EXEMPT PER PART 201. THE UNIT IS LOCATED IN MANUFACTURING

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BUILDING 002.

Building(s): 002

**Item 19.8(From Mod 0):**

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 19.9(From Mod 0):**

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 19.10(From Mod 0):**

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 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 AND #6 FUEL OIL. ALL OTHER COMBUSTION SOURCES BURN EITHER NATURAL GAS OR #2 FUEL OIL.

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EMISSIONS OF NO<sub>x</sub> AND SO<sub>2</sub> 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.

Building(s): 003  
301

**Item 19.11(From Mod 0):**

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. THE UNIT ALSO CONTAINS A SODIUM PERSULFATE MIX AND STORAGE TANK.

Building(s): 002  
352

**Item 19.12(From Mod 0):**

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 20: Compliance Demonstration**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

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**Applicable State Requirement: 6NYCRR 201-5.4(b)**

**Item 20.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 20.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Protocol - New Construction of general process sources; modifications to existing sources (not otherwise exempt or trivial)

The owner or operator may install a new air contamination source or modify an existing emission source provided that criteria pollutants, hazardous air pollutants, and pollutants emitted from such device for which an annual guideline concentration (AGC) and/or short term guideline concentration (SGC) exist, meet all of the following conditions:

1. The device will not result in the emission of any A-rated contaminant with an emission rate potential equal to or greater than 1.0 pound/hr. A-rated contaminants are those contaminants listed with a "high" toxicity in the Department's most recent Air Guide 1 guidance document, and any other contaminants that may be A-rated by the Department. The owner or operator shall conduct emissions testing upon written request of the DEC in accordance with 6 NYCRR 202.
2. The device will not result in the emission of any non-VOC contaminant, not given an A-rating, with an emission rate potential equal to or greater than 10 pounds/hr. The owner or operator shall conduct emissions testing upon written request of the DEC in accordance with 6 NYCRR 202.
3. The device shall not emit particulate matter in excess of 0.05 gr/dscf. The owner or operator shall conduct emissions testing upon written request of the DEC in accordance with 6 NYCRR 202. The owner or operator shall conduct emissions testing upon written request of the DEC in accordance with 6 NYCRR 202.

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4. The device shall not cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater, except only the emission of uncombined water. The owner or operator shall conduct emissions testing upon written request of the DEC in accordance with 6 NYCRR 202.
5. The owner or operator must identify all potential pollutants that could be emitted, including A-rated contaminants, hazardous air pollutants, VOCs, and non-VOC pollutants.
6. A facility-wide DAR-1 (formerly Air Guide 1) analysis must be completed using the DEC's DAR -1 (Air Guide 1) screening software showing that there are no predicted off-site ambient concentrations in excess of the AGC or SGC for each contaminant. This analysis shall include all emissions of such pollutant, facility-wide.
7. If the installation, not otherwise exempt or trivial, results in the emission of any pollutant not previously authorized or emitted in accordance with this permit, or if the installation results in an increase in the emission rate potential of a pollutant emitted at the facility, the owner or operator shall submit to the DEC a notice of the intention to install the new air contamination source. Such notice shall be submitted no later than 30 days prior to the proposed installation.
8. The DEC reserves the right to require a permit modification to impose special conditions if DEC determines the proposed change may have a significant air quality impact. In such cases, upon receipt of any notice submitted by the owner or operator to the DEC as required in this permit, the DEC will respond within 15 days of receipt of such notice, and may require that the owner not undertake the proposed change without a permit modification.
9. No facility-wide emissions cap, stated in this permit, shall be exceeded.
10. The installation does not render the facility subject to any additional regulations or requirements;
11. The owner or operator must physically label all

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emissions points; and

12. A summary of all activities conducted under this operational flexibility condition shall be reported to the DEC once per year.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2006.

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

**Condition 21: Facility Permissible Emissions**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable State Requirement: 6NYCRR 201-7.2**

**Item 21.1:**

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: 0NY210-00-0 (From Mod 1) PTE: 190,000 pounds per year

Name: OXIDES OF NITROGEN

**Condition 22: Capping Monitoring Condition**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable State Requirement: 6NYCRR 201-7.2**

**Item 22.1:**

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

6NYCRR 201-6.1(a)

**Item 22.2:**

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

**Item 22.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a period of



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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 22.4:**

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 22.5:**

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 22.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 22.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide emissions of sulfur dioxide shall not exceed 99 tons per 12 calendar month rolling period. Emissions shall be computed as the product of (0.157)(%S) lb SO<sub>2</sub>/gallon of No. 6 oil) and the number of gallons of number 6 oil fired, where %S is the percent sulfur in the fuel oil, plus the product of 0.213 lb SO<sub>2</sub>/gallon of No. 2 oil burned and the number of gallons of No. 2 oil burned, plus the product of 0.071 lb SO<sub>2</sub>/gallon of diesel and the number of gallons of diesel burned, all divided by 2000 lb/ton.

Tons SO<sub>2</sub> = [(0.157x%S lb SO<sub>2</sub>/gal No. 6)\*(number of gallons of No. 6 burned) + (0.213 lb SO<sub>2</sub>/gal of No. 2 oil burned) \* (number of gallons of No. 2 oil burned) + (0.071 lb SO<sub>2</sub>/gal of diesel)\*(number of gallons of diesel burned)]/2000 lb SO<sub>2</sub>/ton SO<sub>2</sub>.

1. The amount of No. 6 fuel used shall be determined using fuel flow meters or tank level readings. When

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multiple fuel oil deliveries are added to the fuel oil storage tanks, the owner or operator shall compute SO<sub>2</sub> emissions based on the sulfur content and fuel oil quantities in order of receipt (i.e., the oil first in shall be assumed to be the first oil out).

2. The amount of No. 2 oil and diesel oil burned shall be determined as the product of the hours of operation of emergency generators and fire pumps and the maximum firing rate.

3. The owner or operator shall compute SO<sub>2</sub> emissions for each month, as well as the annual SO<sub>2</sub> emissions for each prior 12 month rolling period.

4. 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 provide a certification to the DEC that the facility has operated within the 99 ton/year limit for each 12 calendar month rolling period. This certification shall include a summary of the emissions that occurred for this 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.

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.

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.

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2006.

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

**Condition 23: Capping Monitoring Condition**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable State Requirement: 6NYCRR 201-7.2**



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**Item 23.1:**

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

6NYCRR 201-6.1(a)

**Item 23.2:**

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

**Item 23.3:**

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 23.4:**

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 23.5:**

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 23.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 23.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide emissions of volatile organic compounds shall not exceed 49 tons per 12 calendar month rolling period. Emissions shall be computed based on material usage and, where applicable, measured control equipment efficiencies. Where a VOC control device is used, the control equipment VOC reduction efficiency shall be based

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on the results of the most recent stack emissions test, emission factors or engineering calculations, as approved by DEC.

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 provide a certification to the DEC that the facility has operated within the 49 ton/year limit for each 12 calendar month rolling period. This certification shall include a summary of the emissions that occurred for this period. The owner or operator must maintain records of the emissions calculations that form the basis of this certification on-site for a period of five years and make them available to representatives of the DEC upon request.

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.

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.

Monitoring Frequency: MONTHLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 60 days after the reporting period.  
The initial report is due 3/1/2006.  
Subsequent reports are due every 12 calendar month(s).

**Condition 24: Capping Monitoring Condition**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable State Requirement: 6NYCRR 201-7.2**

**Item 24.1:**

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

6NYCRR 201-6.1(a)

**Item 24.2:**

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms,

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conditions and standards in this permit.

**Item 24.3:**

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 24.4:**

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 24.5:**

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 24.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 24.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide emissions of NO<sub>x</sub> shall not exceed 90 tons per 12 month rolling period. Emissions shall be computed as the product of the fuel combusted and an EPA emission factor.

NO<sub>x</sub> emissions, tons, = [(0.055 lb NO<sub>x</sub>/gal No. 6 oil)\*(gallons of No. 6 oil burned) + (0.020 lb NO<sub>x</sub>/gal No. 2 oil)\*(gallons of No. 2 or diesel burned in boilers) + (0.0001 lb NO<sub>x</sub>/scf natural gas)\*(scf natural gas burned in boilers)]/2000 lb NO<sub>x</sub>/ton NO<sub>x</sub> + (0.031 lb NO<sub>x</sub>/bhp-hr)\*(capacity of generator or fire pump, bhp)(operating hours of generator or firepump)

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

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2. The owner or operator shall compute NO<sub>x</sub> emissions for each month, as well as the annual NO<sub>x</sub> 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.

3. If, during any 12 month rolling period, NO<sub>x</sub> emissions exceed 75 tons per 12 month period, the owner or operator shall submit to the DEC a protocol to test emissions from the boilers, and any other device that the DEC specifies, in order to determine site-specific NO<sub>x</sub> emission factors. The owner shall test such devices for NO<sub>x</sub> within 30 days of DEC's approval of the test protocol. The owner or operator shall submit to the DEC an emission test report, in triplicate, to the DEC within 60 days of completion of such tests. Upon completion of such tests, the owner shall use the results of those tests to compute facility-wide emissions. If multiple tests are conducted, the owner shall use the results of the most recent DEC-approved stack test.

4. 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 provide a certification to the DEC that the facility has operated within the 90 ton/year limit for each 12 calendar month rolling period. This certification shall include a summary of the emissions that occurred for this 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.

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.

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.

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)



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Reports due 60 days after the reporting period.  
The initial report is due 3/1/2006.  
Subsequent reports are due every 12 calendar month(s).

**Condition 25: Capping Monitoring Condition**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable State Requirement: 6NYCRR 201-7.2**

**Item 25.1:**

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

6NYCRR 201-6.1(a)

**Item 25.2:**

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

**Item 25.3:**

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

**Item 25.4:**

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

**Item 25.5:**

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

**Item 25.6:**

The Compliance Demonstration activity will be performed for the Facility.

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

**Item 25.7:**

Compliance Demonstration shall include the following monitoring:

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Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide emissions of hazardous air pollutants (HAP) shall not exceed 24.5 tons per 12 calendar month rolling period. Emissions shall be computed based on material usage and, where applicable, measured control equipment efficiencies. Where a HAP control device is used, the control equipment HAP reduction efficiency shall be based on the results of the most recent stack emissions test, emission factors or engineering calculations, as approved by DEC.

Where HAP emissions control equipment is used, the owner or operator must operate and maintain such equipment in a manner consistent with good engineering practices.

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 provide a certification to the DEC that the facility has operated within the 24.5 ton/year limit for each 12 calendar month rolling period. This certification shall include a summary of the emissions that occurred for this 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.

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.

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.

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2006.

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

**Condition 26: Capping Monitoring Condition**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

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**Applicable State Requirement: 6NYCRR 201-7.2**

**Item 26.1:**

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

6NYCRR 201-6.1(a)

**Item 26.2:**

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

**Item 26.3:**

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 26.4:**

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 26.5:**

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 26.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 26.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide emissions of any single hazardous air pollutants (HAP) shall not exceed 9.5 tons per 12 calendar month rolling period. Emissions shall be computed based

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on material usage and, where applicable, measured control equipment efficiencies. Where a HAP control device is used, the control equipment HAP reduction efficiency shall be based on the results of the most recent stack emissions test, emission factors or engineering calculations, as approved by DEC.

Where HAP emissions control equipment is used, the owner or operator must operate and maintain such equipment in a manner consistent with good engineering practices.

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 provide a certification to the DEC that the facility has operated within the 9.5 ton/year limit for each 12 calendar month rolling period. This certification shall include a summary of the emissions that occurred for this 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.

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.

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.

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2006.

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

**Condition 27: Air pollution prohibited**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 27.1:**

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



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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 28: Compliance Demonstration**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable State Requirement: 6NYCRR 212.4(a)**

**Item 28.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 28.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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.



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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 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 3/1/2006.

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

**Condition 29: Compliance Demonstration**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable State Requirement: 6NYCRR 212.4(a)**

**Item 29.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 29.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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



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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.

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



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Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 60 days after the reporting period.  
The initial report is due 3/1/2006.  
Subsequent reports are due every 12 calendar month(s).

**Condition 30: Compliance Demonstration**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

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

**Item 30.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):  
CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 30.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Fuel oil is used at various sites throughout the facility, and is subject to 6 NYCRR 225-1.2(a)(2), limiting the sulfur content in fuel. (Fuel oil burned in Boilers 1 - 3 is governed by a separate condition).

The owner or operator shall not sell, offer for sale, purchase or use any fuel oil which contains sulfur in a quantity exceeding 1.5 % sulfur, by weight. This limit is state-enforceable. The federally-enforceable limit is 1.5% sulfur by weight.

Diesel fuel, by specification, must contain no more than 0.05% sulfur, and No. 2 oil, by specification, must contain no more than 0.5% sulfur.

On an annual calendar basis, the owner or operator shall submit to the DEC a report stating whether any fuel oil has been received, and state the results of any fuel oil analyses (if any were conducted). 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. Additionally, if any fuel oil analysis is shown to exceed 1.5 percent sulfur by weight, the owner or operator must submit a report to the DEC within 30 days of receipt of such

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analysis.

Process Material: FUEL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent by weight

Reference Test Method: EPA Method 19

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2006.

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

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

**Condition 31: Emission Point Definition By Emission Unit**  
**Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 31.1(From Mod 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

Building: 302

Emission Point: 02001

Height (ft.): 55

Diameter (in.): 32

Building: 302

**Item 31.2(From Mod 0):**

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

Emission Unit: 1-ABU00

Emission Point: 00047

Height (ft.): 28

Diameter (in.): 10

NYTMN (km.): 4661.9

NYTME (km.): 399.2

Building: 001

Emission Point: 00222

Height (ft.): 36

Diameter (in.): 9



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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

**Item 31.3(From Mod 0):**

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	Width (in.): 18	
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002	
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			
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		
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002	
Emission Point: 00922			
Height (ft.): 36	Diameter (in.): 30		
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002	



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Emission Point: 00923			
Height (ft.): 36	Diameter (in.): 26		
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002	
Emission Point: 00924			
Height (ft.): 36	Diameter (in.): 22		
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002	
Emission Point: 00925			
Height (ft.): 36	Diameter (in.): 18		
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002	
Emission Point: 00926			
Height (ft.): 36	Diameter (in.): 20		
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	Diameter (in.): 10		
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002	
Emission Point: 00980			
Height (ft.): 36	Diameter (in.): 17		
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002	
Emission Point: 00989			
Height (ft.): 36	Diameter (in.): 12		
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002	
Emission Point: 00990			
Height (ft.): 36	Diameter (in.): 18		
NYTMN (km.): 4661.9	NYTME (km.): 399.2	Building: 002	



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Emission Point: 00991  
Height (ft.): 36                      Diameter (in.): 10  
NYTMN (km.): 4661.9      NYTME (km.): 399.2      Building: 002

**Item 31.4(From Mod 0):**

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

Emission Unit: 2-11001

Emission Point: 00145  
Height (ft.): 36                      Diameter (in.): 8  
NYTMN (km.): 4661.9      NYTME (km.): 399.2      Building: 002

Emission Point: 00183  
Height (ft.): 30                      Diameter (in.): 8  
NYTMN (km.): 4661.9      NYTME (km.): 399.2      Building: 002

**Item 31.5(From Mod 0):**

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 31.6(From Mod 0):**

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

Emission Unit: 2-11102

Emission Point: 00894  
Height (ft.): 36                      Diameter (in.): 20  
NYTMN (km.): 4661.9      NYTME (km.): 399.2      Building: 002

**Item 31.7(From Mod 0):**

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 31.8(From Mod 0):**

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



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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

Emission Point: 0003A

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

**Item 31.9(From Mod 0):**

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

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 31.10(From Mod 0):**

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

Emission Unit: 3-MTU00

Emission Point: 00143

Height (ft.): 34                      Diameter (in.): 12



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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 32: Process Definition By Emission Unit  
Effective between the dates of 02/25/2005 and 10/02/2012**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 32.1(From Mod 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: 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 32.2(From Mod 0):**

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.



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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: 05894 - Process

Emission Source/Control: 08566 - Process

Emission Source/Control: 08688 - Process

**Item 32.3(From Mod 0):**

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

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

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

**Item 32.4(From Mod 0):**

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

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

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

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Emission Source/Control: 08172 - Process

Emission Source/Control: 08210 - Process

Emission Source/Control: 08211 - Process

Emission Source/Control: 08896 - Process

**Item 32.5(From Mod 0):**

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 32.6(From Mod 0):**

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 32.7(From Mod 0):**

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.

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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 32.8(From Mod 0):**

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 32.9(From Mod 0):**

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

Emission Unit: 2-11102

Process: 007

Source Classification Code: 3-13-030-01

Process Description:

SOLDER APPLICATION PROCESS / PREHEAT OVEN,  
SOLDER COAT MACHINE FOR PRINTED CIRCUIT  
BOARDS.

Emission Source/Control: 08171 - Process

Emission Source/Control: 08255 - Process

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**Item 32.10(From Mod 0):**

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 32.11(From Mod 0):**

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 32.12(From Mod 0):**

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. 6  
oil.)

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



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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 32.13(From Mod 0):**

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. 6 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 32.14(From Mod 0):**

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



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**Item 32.15(From Mod 0):**

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