

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2610700159**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 2-6107-00159/00006  
Mod 0 Effective Date: 07/23/2002 Expiration Date: No expiration date.  
Mod 1 Effective Date: 05/23/2005 Expiration Date: No expiration date.

Permit Issued To: CITY UNIVERSITY OF NEW YORK  
535 EAST 80TH ST  
NEW YORK, NY 10021

DORMITORY AUTHORITY OF THE STATE OF NEW YORK  
515 BROADWAY  
ALBANY, NY 12207

HOWARD N APSAN

CUNY DIRECTOR OF ENVIRONM HEALTH & SAFETY  
535 EAST 80TH ST  
NEW YORK, NY 10021  
(212) 794-5571

Facility: KINGSBOROUGH COMMUNITY COLLEGE  
2001 ORIENTAL BLVD  
BROOKLYN, NY 11235

FRED EINERMAN

KINGSBOROUGH COMMUNITY COLLEGE  
2001 ORIENTAL BOULEVARD  
BROOKLYN, NY 11235  
(718) 368-4778

**Description:**

The Kingsborough Community College is located at 2001 Oriental Blvd, Brooklyn, New York.

This project is a modification to the State Facility Permit issued on 07/23/02. The facility operates two boilers that provide heat and steam to the campus. The boilers are equipped with dual fuel burners capable of firing natural gas or #6 fuel oil. Kingsborough Community College also operates a graphic arts printing shop and a gasoline dispensing site which are subject to air permitting requirements and are included in this permit modification.

The facility consists of numerous buildings and structures serving academic, administrative, and support functions. Non-exempt emission sources include steam boilers located in the Heating Plant, vehicle



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fueling operations, and graphic arts processes. Vehicle fueling operations include dispensing. The gasoline dispensing site is equipped with State I and Stage II vapor controls.

The graphic arts processes include four offset lithographic printing presses. Emissions consist of volatile organic compounds from inks, fountain solutions, and cleanup materials. Control requirements are achieved through the use of compliant fountain solutions and proper handling, storage, and disposal practices.

Exempt and trivial sources include boilers less than 10 mmBtu/hr, emergency power generators, aboveground and underground storage tanks, parts washers, printmaking and photography activities, laboratory fume hoods, and woodworking shop.

The applicant proposes to cap NOx emission at 22.5 tons per year. Records demonstrating compliance with this cap will be kept in accordance with the permit special conditions.

The facility is subject to the provisions of Air State Facility specified under 6NYCRR Part 201-7.2.

The Air State facility permit contains a listing of the applicable federal, state, and compliance monitoring requirements for the facility.

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 F CRYAN  
   DIVISION OF ENVIRONMENTAL PERMITS  
   ONE HUNTERS POINT PLAZA, 47-40 21ST STREET  
   LONG ISLAND CITY, NY 11101-5407

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 and Modifications

Permit Modifications, Suspensions and Revocations by the Department

**Facility Level**

Submission of Applications for Permit Modification or Renewal-REGION 2

HEADQUARTERS



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

**Condition 1: Facility Inspection by the Department**  
**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**  
**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 2.1:**

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

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

**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

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transfer of ownership.

**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;
- 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 2 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.5(a)**

**Item 5.1:**

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

NYSDEC Regional Permit Administrator  
Region 2 Headquarters  
Division of Environmental Permits  
1 Hunters Point Plaza, 4740 21st Street  
Long Island City, NY 11101-5407  
(718) 482-4997

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

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

**IDENTIFICATION INFORMATION**

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535 EAST 80TH ST  
NEW YORK, NY 10021

DORMITORY AUTHORITY OF THE STATE OF NEW YORK  
515 BROADWAY  
ALBANY, NY 12207

Facility: KINGSBOROUGH COMMUNITY COLLEGE  
2001 ORIENTAL BLVD  
BROOKLYN, NY 11235

Authorized Activity By Standard Industrial Classification Code:  
8221 - COLLEGES AND UNIVERSITIES,



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

2 6NYCRR 225-1.2(a)(2): Compliance Demonstration

3 6NYCRR 227-1.3(a): Compliance Demonstration

**Emission Unit Level**

**EU=U-00001**

4 6NYCRR 227-1.3: Compliance Demonstration

**EU=U-00002**

5 6NYCRR 227-1.3: Compliance Demonstration

**EU=U-00003**

1-1 6NYCRR 230.2(b): Gasoline Tanks  $\geq$  250 Gallons Installed after  
1/1/79 Required Stage 1 in NYCMA

1-2 6NYCRR 230.2(d)(1): Stage I and II requirements for tanks  
constructed, replaced, or substantially modified after June 27, 1987

1-3 6NYCRR 230.2(f): Requirements for gasoline transport vehicles  
delivering to Stage I controlled dispensing sites.

1-4 6NYCRR 230.2(f)(6): Compliance Demonstration

1-5 6NYCRR 230.2(g): Compliance Demonstration

1-6 6NYCRR 230.2(k): Compliance Demonstration

1-7 6NYCRR 230.2(k): Compliance Demonstration

1-8 6NYCRR 230.2(k): Compliance Demonstration

1-9 6NYCRR 230.2(k): Compliance Demonstration

1-10 6NYCRR 230.5(a): Compliance Demonstration

**EU=U-00004**

1-11 6NYCRR 234.3(b)(3): Compliance Demonstration

1-12 6NYCRR 234.3(e): Compliance Demonstration

1-13 6NYCRR 234.4(b)(2): control requirement

1-14 6NYCRR 234.4(b)(5): Recordkeeping requirements.

1-15 6NYCRR 234.5(a): prohibition of sale or specification

1-20 6NYCRR 234.6: Compliance Demonstration

**EU=U-00004,Proc=FU3,ES=OFLG1**

1-16 6NYCRR 234.3(b)(1): Compliance Demonstration

**EU=U-00004,Proc=FU3,ES=OFLG2**

1-17 6NYCRR 234.3(b)(1): Compliance Demonstration

**EU=U-00004,Proc=FU3,ES=OFLG4**

1-18 6NYCRR 234.3(b)(2): Compliance Demonstration



**EU=U-00004,Proc=FU3,ES=OGLG3**  
1-19 6NYCRR 234.3(b)(2): Compliance Demonstration

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 6 ECL 19-0301: Contaminant List
- 7 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 8 6NYCRR 201-5: Emission Unit Definition
- 1-21 6NYCRR 201-7.2: Facility Permissible Emissions
- \*1-22 6NYCRR 201-7.2: Capping Monitoring Condition
- 9 6NYCRR 211.2: Air pollution prohibited

**Emission Unit Level**

- 10 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 11 6NYCRR 201-5: Process Definition By Emission Unit

**EU=U-00001**  
12 6NYCRR 227-1.2(a)(2): Compliance Demonstration

**EU=U-00002**  
13 6NYCRR 227-1.2(a)(2): Compliance Demonstration

NOTE: \* preceding the condition number indicates capping.NEC

Mod 0 Permit Effective Date: 07/23/2002

Permit Expiration Date: No expiration date.

Mod 1 Permit Effective Date: 05/23/2005

Permit Expiration Date: No expiration date.



**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 2: Compliance Demonstration**  
**Effective between the dates of 07/23/2002 and Permit Expiration Date**

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

**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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person will sell, offer for sale, purchase or use any residual oil fuel which contains sulfur in a quantity exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)  
Parameter Monitored: SULFUR CONTENT



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Upper Permit Limit: 0.3 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 3: Compliance Demonstration**

**Effective between the dates of 07/23/2002 and Permit Expiration Date**

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

**Item 3.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 3.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall  
emit greater than 20 percent opacity except for one six  
minute period per hour, not to exceed 27 percent, based  
upon the six minute average in reference test method 9 in  
Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

**Condition 4: Compliance Demonstration**

**Effective between the dates of 07/23/2002 and Permit Expiration Date**

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

**Item 4.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

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**Item 4.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired boilers which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack for each boiler which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- date and time of day
- observer's name
- identity of emission point
- weather condition
- was a plume observed?

Inclement weather conditions shall be recorded for those days when observations are prohibited. This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence.

The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**\*\* NOTE \*\*** Steam plumes generally form after leaving the

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top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 5: Compliance Demonstration**  
**Effective between the dates of 07/23/2002 and Permit Expiration Date**

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

**Item 5.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002

**Item 5.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired boilers which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack for each boiler which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- date and time of day
- observer's name
- identity of emission point

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- weather condition
- was a plume observed?

Inclement weather conditions shall be recorded for those days when observations are prohibited. This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence.

The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**\*\* NOTE \*\*** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-1: Gasoline Tanks  $\geq$  250 Gallons Installed after 1/1/79  
Required Stage 1 in NYCMA  
Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 230.2(b)**

**Item 1-1.1:**

This Condition applies to Emission Unit: U-00003



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**Item 1-1.2:**

Gasoline tanks greater than or equal to 250 gallons and installed after January 1, 1979 are required to install Stage I vapor collection systems in NYCMA.

**Condition 1-2: Stage I and II requirements for tanks constructed, replaced, or substantially modified after June 27, 1987  
Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 230.2(d)(1)**

**Item 1-2.1:**

This Condition applies to Emission Unit: U-00003

**Item 1-2.2:**

Stage I and Stage II vapor collection systems are required at any gasoline dispensing site located in the New York City Metropolitan Area which is constructed, replaced, or substantially modified after June 27, 1987, regardless of the annual gasoline throughput at the site.

This requirement does not apply for gasoline tanks with a capacity less than 550 gallons which are used exclusively for farm tractors used for agricultural purposes or for snowplowing.

**Condition 1-3: Requirements for gasoline transport vehicles delivering to Stage I controlled dispensing sites.  
Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 230.2(f)**

**Item 1-3.1:**

This Condition applies to Emission Unit: U-00003

**Item 1-3.2:**

Owners and/or operators of gasoline transport vehicles and gasoline dispensing sites subject to stage I vapor collection or vapor control requirements must:

1. install all necessary stage I vapor collection and control systems, and make any modifications necessary to comply with the requirements;
2. provide adequate training and written instructions to the operator of the affected gasoline transport vehicle;
3. replace, repair, or modify any worn or ineffective component or design element to ensure the vapor-tight integrity of the stage I vapor collection and vapor control systems;
4. connect and ensure proper operation of the stage I vapor collection and control systems whenever gasoline is being loaded, unloaded or dispensed; and
5. connect the Stage I vapor collection hose before connecting the gasoline delivery hose to the gasoline



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transport vehicle, and disconnect the gasoline delivery hose before disconnecting the Stage I vapor collection hose from the gasoline transport vehicle.

**Condition 1-4: Compliance Demonstration**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 230.2(f)(6)**

**Item 1-4.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

**Item 1-4.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and/or operators of gasoline storage tanks, gasoline transport vehicles and gasoline dispensing sites subject to stage I and/or stage II vapor collection or vapor control system requirements must:

with respect to stage II vapor collection systems, conspicuously post operating instructions for the system on each dispenser which include:

(i) a clear description of how to correctly dispense gasoline with the vapor recovery nozzles utilized at the site;

(ii) a warning that continued attempts at dispensing gasoline after the system indicates that the vehicle tank is full may result in spillage or recirculation of gasoline; and

(iii) the telephone number established by the department for use by the public to report problems experienced with the Stage II vapor recovery systems in that county.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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**Condition 1-5: Compliance Demonstration**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 230.2(g)**

**Item 1-5.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

**Item 1-5.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Daily visual inspections of components of stage II vapor collection systems must be performed to ensure the integrity and efficiency of the system. Dispensers with defective stage II components must be removed from service, locked and sealed to prevent vapor loss from operational dispensers until approved replacement parts are installed. A log will be kept recording the results of the inspections. The following information will be recorded at a minimum:

1. Date of the inspection
2. Person performing the inspection
3. Whether any deficiencies were observed and the nature of those deficiencies
4. Corrective action taken if any

Monitoring Frequency: DAILY

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-6: Compliance Demonstration**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 230.2(k)**

**Item 1-6.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

**Item 1-6.2:**

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Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Owners and/or operators of stage II systems must perform dynamic pressure tests at 5 year intervals after commencing operations. The back pressure during the dynamic back pressure tests must not exceed 0.45 inches of water column gauge at a flow rate of 60 cubic feet per hour.

Parameter Monitored: PRESSURE

Upper Permit Limit: 0.45 inches of water

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-7: Compliance Demonstration**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 230.2(k)**

**Item 1-7.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

**Item 1-7.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Owners and/or operators of stage II systems must perform dynamic pressure tests at 5 year intervals after commencing operations. The back pressure during the dynamic back pressure tests must not exceed 0.95 inches of water column gauge at a flow rate of 100 cubic feet per hour.

Parameter Monitored: PRESSURE

Upper Permit Limit: 0.95 inches of water

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION



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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-8: Compliance Demonstration**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 230.2(k)**

**Item 1-8.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

**Item 1-8.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and/or operators of stage II systems must perform leak tests at 5 year intervals after commencing operations. The pressure in gasoline storage tanks must not fall below the values in Table 1 of Part 230.2(k)(2)(iii) after 5 minutes from an initial pressure of 10.0 inches of water column during a leak test.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-9: Compliance Demonstration**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 230.2(k)**

**Item 1-9.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

**Item 1-9.2:**

Compliance Demonstration shall include the following monitoring:

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



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**Monitoring Description:**

Owners and/or operators of stage II systems must perform liquid blockage tests at 5 year intervals after commencing operations. The back pressure during the liquid blockage tests must not exceed 0.03 inches of water column gauge above the dynamic back pressure test results for the system for flow rates of 60 and 100 cubic feet per hour.

Parameter Monitored: PRESSURE

Upper Permit Limit: 0.03 inches of water

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-10: Compliance Demonstration**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 230.5(a)**

**Item 1-10.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

CAS No: 008006-61-9 GASOLINE

**Item 1-10.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any gasoline dispensing site must maintain records showing the quantity of all gasoline delivered to the site. These records must be retained at the gasoline dispensing site for at least two years, and must be made readily available to the commissioner or the commissioner's representative at any reasonable time.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-11: Compliance Demonstration**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

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**Applicable Federal Requirement: 6NYCRR 234.3(b)(3)**

**Item 1-11.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

**Item 1-11.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Purchase, usage and/or production records of inks, VOC and solvents must be maintained in a format acceptable to the commissioner's representative, and upon request, these records must be submitted to the department's representative. In addition, any other information required to determine compliance with 6NYCRR Part 234 must be provided to the commissioner's representative in a format acceptable to him or her. Records must be maintained at the facility of a period of five years.

The facility shall maintain the following records for each ink, cleaning solvent, and other VOC used in the printing process, on a monthly basis:

1. The brand and product name or code for the material.
2. The quantity of material used during the calendar month.
3. The VOC content of the material.

In addition, copies of all purchase orders, invoices, and other documents for supplies and equipment that are used to support the monthly log are to be kept on site.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-12: Compliance Demonstration**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 234.3(e)**

**Item 1-12.1:**

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The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

**Item 1-12.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person shall cause or allow emissions to the outdoor atmosphere having an average opacity of 10 percent or greater for any consecutive six-minute period from any emission source subject to 6NYCRR Part 234.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-13: control requirement**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 234.4(b)(2)**

**Item 1-13.1:**

This Condition applies to Emission Unit: U-00004

**Item 1-13.2:**

Acceptable analytical methods for determining the volatile content, water content, density, volume of solids and weight of solids of surface coatings and printing inks are presented in Appendix A, methods 24 and 24A respectively, of 40 CFR 60. Alternate analytical methods for surface coating and printing ink analysis must be approved by the commissioner and the USEPA. Instead of an ink solvent/volatile analysis, the commissioner may accept certification from the ink manufacturer of the composition of the ink solvent/volatiles, if supported by actual batch records.

**Condition 1-14: Recordkeeping requirements.**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 234.4(b)(5)**

**Item 1-14.1:**

This Condition applies to Emission Unit: U-00004

**Item 1-14.2:**



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Any graphic arts facility which is not subject to the control requirements of Part 234 because its annual potential to emit volatile organic compounds (VOC) are below the applicability criteria, must maintain records in a format acceptable to the commissioner's representative that verify the facility's annual potential to emit VOC. Upon request, these records must be submitted to the department.

**Condition 1-15: prohibition of sale or specification**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 234.5(a)**

**Item 1-15.1:**

This Condition applies to Emission Unit: U-00004

**Item 1-15.2:**

No person shall sell, specify, or require for use, the application of a coating or ink on a substrate at a facility with a printing process subject to the volatile organic compound control requirements of 6 NYCRR Part 234 if such use is prohibited by any of the provisions of this Part. The prohibition of this section shall apply to all written or oral contracts under the terms of which any coating or ink is to be applied to any substrate at any affected facility. This prohibition shall not apply to the following:

(1) coatings and/or inks utilized at printing processes where control equipment has been installed to achieve compliance;

(2) coatings and/or inks utilized at printing processes that have been granted variances for reasons of technological and economic feasibility.

**Condition 1-20: Compliance Demonstration**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 234.6**

**Item 1-20.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

**Item 1-20.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following work practices are prohibited:

- (a) using open containers to store or dispose of cloth or paper impregnated with VOC and/or solvents that are used for surface preparation, cleanup or ink/coating removal;

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(b) storage in open containers of spent or fresh VOC and/or solvents to be used for surface preparation, cleanup or ink/coating removal;

(c) use of open containers to store or dispose of inks and/or surface coatings; or

(d) use of open containers to store or dispense inks and/or surface coatings unless production, sampling, maintenance or inspection procedures require operational access. This provision does not apply to the actual device or equipment designed for the purposes of applying an ink or coating to a substrate.

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-16: Compliance Demonstration**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 234.3(b)(1)**

**Item 1-16.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Process: FU3

Emission Source: OFLG1

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 1-16.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

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**Monitoring Description:**

Any owner or operator of an offset lithographic printing process subject to 6NYCRR Part 234 and employing fountain solutions containing volatile organic compounds shall not operate, cause, allow, or permit the operation of such process unless one of the control strategies specified in Part 234.3(b) are employed. Continuing compliance shall be verified by maintaining records of formulation data as specified in 6 NYCRR §234.4(b)(2) and (3). These records shall contain the following information:

1. Certification from the fountain solution supplier/manufacture which verifies the composition of the fountain solution solvent/volatiles, if supported by actual batch records,
2. Purchase, usage, and/or production records of the fountain solutions and solvents.
3. Any other parameters used to verify compliance.

Upon request by DEC, the permittee shall perform Method 24 analyses (or supply samples to DEC for analysis) to verify the VOC content and volatile fraction of the fountain solutions. When there is any discrepancy between the calculated formulation and the Method 24 results, the Method 24 results shall be used for compliance purposes.

For presses in operation before September 1, 1988, where the control strategy is to use low-VOC fountain solution, the fountain solution must contain 15 percent by weight or less of VOC.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FOUNTAIN SOLUTION

Parameter Monitored: VOC CONTENT

Upper Permit Limit: 15 percent by weight

Reference Test Method: Method 24

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-17: Compliance Demonstration**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 234.3(b)(1)**

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**Item 1-17.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Process: FU3

Emission Source: OFLG2

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 1-17.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Any owner or operator of an offset lithographic printing process subject to 6NYCRR Part 234 and employing fountain solutions containing volatile organic compounds shall not operate, cause, allow, or permit the operation of such process unless one of the control strategies specified in Part 234.3(b) are employed. Continuing compliance shall be verified by maintaining records of formulation data as specified in 6 NYCRR §234.4(b)(2) and (3). These records shall contain the following information:

1. Certification from the fountain solution supplier/manufacturer which verifies the composition of the fountain solution solvent/volatiles, if supported by actual batch records,
2. Purchase, usage, and/or production records of the fountain solutions and solvents.
3. Any other parameters used to verify compliance.

Upon request by DEC, the permittee shall perform Method 24 analyses (or supply samples to DEC for analysis) to verify the VOC content and volatile fraction of the fountain solutions. When there is any discrepancy between the calculated formulation and the Method 24 results, the Method 24 results shall be used for compliance purposes.

For presses in operation before September 1, 1988, where the control strategy is to use low-VOC fountain solution, the fountain solution must contain 15 percent by weight or less of VOC.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FOUNTAIN SOLUTION



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Parameter Monitored: VOC CONTENT

Upper Permit Limit: 15 percent by weight

Reference Test Method: Method 24

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL  
CHANGE

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-18: Compliance Demonstration**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 234.3(b)(2)**

**Item 1-18.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Process: FU3                      Emission Source: OFLG4

Regulated Contaminant(s):

CAS No: 0NY998-00-0    VOC

**Item 1-18.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

Any owner or operator of an offset lithographic printing process subject to 6NYCRR Part 234 and employing fountain solutions containing volatile organic compounds shall not operate, cause, allow, or permit the operation of such process unless one of the control strategies specified in Part 234.3(b) are employed. Continuing compliance shall be verified by maintaining records of formulation data as specified in 6 NYCRR §234.4(b)(2) and (3). These records shall contain the following information:

1. Certification from the fountain solution supplier/manufacturer which verifies the composition of the fountain solution solvent/volatiles, if supported by actual batch records,
2. Purchase, usage, and/or production records of the fountain solutions and solvents.
3. Any other parameters used to verify compliance.

Upon request by DEC, the permittee shall perform Method 24



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analyses (or supply samples to DEC for analysis) to verify the VOC content and volatile fraction of the fountain solutions. When there is any discrepancy between the calculated formulation and the Method 24 results, the Method 24 results shall be used for compliance purposes.

For presses in operation on or after September 1, 1988, where the control strategy is to use low-VOC fountain solution, the fountain solution must contain 10 percent by weight or less of VOC.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FOUNTAIN SOLUTION

Parameter Monitored: VOC CONTENT

Upper Permit Limit: 10 percent by weight

Reference Test Method: Method 24

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-19: Compliance Demonstration**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 234.3(b)(2)**

**Item 1-19.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Process: FU3

Emission Source: OGLG3

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 1-19.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Any owner or operator of an offset lithographic printing process subject to 6NYCRR Part 234 and employing fountain solutions containing volatile organic compounds shall not operate, cause, allow, or permit the operation of such

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process unless one of the control strategies specified in Part 234.3(b) are employed. Continuing compliance shall be verified by maintaining records of formulation data as specified in 6 NYCRR §234.4(b)(2) and (3). These records shall contain the following information:

1. Certification from the fountain solution supplier/manufacturer which verifies the composition of the fountain solution solvent/volatiles, if supported by actual batch records,
2. Purchase, usage, and/or production records of the fountain solutions and solvents.
3. Any other parameters used to verify compliance.

Upon request by DEC, the permittee shall perform Method 24 analyses (or supply samples to DEC for analysis) to verify the VOC content and volatile fraction of the fountain solutions. When there is any discrepancy between the calculated formulation and the Method 24 results, the Method 24 results shall be used for compliance purposes.

For presses in operation on or after September 1, 1988, where the control strategy is to use low-VOC fountain solution, the fountain solution must contain 10 percent by weight or less of VOC.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FOUNTAIN SOLUTION

Parameter Monitored: VOC CONTENT

Upper Permit Limit: 10 percent by weight

Reference Test Method: Method 24

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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

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 6: Contaminant List**  
**Effective between the dates of 07/23/2002 and Permit Expiration Date**

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

**Item 6.1:**

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

CAS No: 008006-61-9

Name: GASOLINE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY998-00-0

Name: VOC

**Condition 7: Unavoidable noncompliance and violations**  
**Effective between the dates of 07/23/2002 and Permit Expiration Date**

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

**Item 7.1:**

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

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall



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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 8: Emission Unit Definition**  
**Effective between the dates of 07/23/2002 and Permit Expiration Date**

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

**Item 8.1(From Mod 1):**

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

Emission Unit: U-00003

Emission Unit Description:

This emission unit consists of the gasoline dispensing site, which is equipped with Stage I and II vapor controls. The site includes the gasoline dispenser and a 4,000 gallon underground storage tank. The storage tank is an exempt source. Throughput is less than 120,000 gallons per year.



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**Item 8.2(From Mod 1):**

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

Emission Unit: U-00004

Emission Unit Description:

This emission unit consists of four offset lithographic printing presses that utilize VOC-containing inks and fountain solutions for printing college materials such as letterhead, pamphlets, and booklets.

**Item 8.3(From Mod 0):**

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

Emission Unit: U-00001

Emission Unit Description:

CLEAVER BROOKS WATER TUBE BOILERS LOCATED  
IN BOILER ROOM BOILER #1 MODEL DL-DX86

Building(s): BOILER RM

**Item 8.4(From Mod 0):**

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

Emission Unit: U-00002

Emission Unit Description:

CLEAVER BROOKS WATER TUBE BOILERS LOCATED  
IN BOILER ROOM BOILER #2 MODEL DL-DX86

Building(s): BOILER RM

**Condition 1-21: Facility Permissible Emissions**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

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

**Item 1-21.1:**

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: 45,000 pounds per year

Name: OXIDES OF NITROGEN

**Condition 1-22: Capping Monitoring Condition**

**Effective between the dates of 05/23/2005 and Permit Expiration Date**

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

**Item 1-22.1:**



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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 1-22.2:**

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

**Item 1-22.3:**

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 1-22.4:**

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 1-22.5:**

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 1-22.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 1-22.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The NO<sub>x</sub> (oxides of nitrogen) emissions are capped at 22.5 tons per year.

The owner or operator shall maintain a record of the quantity of each fuel fired at the facility. Also, the owner or operator shall calculate (based on the fuel

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quantity) using the following formula:

$$R(0.075) + D(0.02) + G(100) + E(0.44) + N(3400) < 45,000$$

lbs/yr of Oxides of Nitrogen emissions.

Where:

R = 12-month rolling total of residual oil fired (from boilers) in gals/yr

D = 12-month rolling total of distillate oil fired (from boilers) in gals/yr

G = 12-month rolling total of natural gas fired (from boilers) in MMSCF/yr

E = 12-month rolling total of distillate oil fired (from engines) in gals/yr

N = 12-month rolling total of natural gas fired (from engines) in MMSCF/yr

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 22.5 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

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 9: Air pollution prohibited**  
**Effective between the dates of 07/23/2002 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 9.1:**

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

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

**Condition 10: Emission Point Definition By Emission Unit**  
**Effective between the dates of 07/23/2002 and Permit Expiration Date**



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

**Item 10.1(From Mod 0):**

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

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 44

Diameter (in.): 48

NYTMN (km.): 4492.523 NYTME (km.): 590.133 Building: BOILER RM

**Item 10.2(From Mod 0):**

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

Emission Unit: U-00002

Emission Point: 00002

Height (ft.): 44

Diameter (in.): 48

NYTMN (km.): 4492.523 NYTME (km.): 590.133 Building: BOILER RM

**Condition 11: Process Definition By Emission Unit**

**Effective between the dates of 07/23/2002 and Permit Expiration Date**

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

**Item 11.1(From Mod 1):**

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

Emission Unit: U-00003

Process: FU1

Source Classification Code: 4-06-003-06

Process Description:

Refilling the underground storage tank with resulting fugitive emissions due to vapor displacement. Emissions are controlled with a Stage I vapor collection system.

Emission Source/Control: STG01 - Control

Control Type: VAPOR COLLECTION (STAGE 1)

Emission Source/Control: GDS01 - Process

Design Capacity: 4,000 gallons

**Item 11.2(From Mod 1):**

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

Emission Unit: U-00003

Process: FU2

Source Classification Code: 4-06-004-99

Process Description:



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Vehicle refueling with resultant fugitive emissions.  
Emissions are controlled with a Stage II vapor collection system.

Emission Source/Control: STG02 - Control  
Control Type: VAPOR COLLECTION (STAGE 2)

Emission Source/Control: GDS01 - Process  
Design Capacity: 4,000 gallons

**Item 11.3(From Mod 1):**

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

Emission Unit: U-00004  
Process: FU3  
Source Classification Code: 4-05-004-12  
Process Description:  
Offset lithographic printing using VOC-compliant fountain solutions that result in fugitive emissions.

Emission Source/Control: OFLG1 - Process

Emission Source/Control: OFLG2 - Process

Emission Source/Control: OFLG4 - Process

Emission Source/Control: OGLG3 - Process

**Item 11.4(From Mod 0):**

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

Emission Unit: U-00001  
Process: 001  
Source Classification Code: 1-03-004-02  
Process Description: BURNING NUMBER 6 FUEL OIL.

Emission Source/Control: 00001 - Combustion  
Design Capacity: 77.8 million Btu per hour

**Item 11.5(From Mod 0):**

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

Emission Unit: U-00001  
Process: 002  
Source Classification Code: 1-03-006-02  
Process Description: BURNING NATURAL GAS.

Emission Source/Control: 00001 - Combustion  
Design Capacity: 77.8 million Btu per hour



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**Item 11.6(From Mod 0):**

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

Emission Unit: U-00002

Process: 003

Source Classification Code: 1-03-004-02

Process Description: BURNING #6 FUEL OIL.

Emission Source/Control: 00002 - Combustion

Design Capacity: 77.8 million Btu per hour

**Item 11.7(From Mod 0):**

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

Emission Unit: U-00002

Process: 004

Source Classification Code: 1-03-006-02

Process Description: BURNING NATURAL GAS.

Emission Source/Control: 00002 - Combustion

Design Capacity: 77.8 million Btu per hour

**Condition 12: Compliance Demonstration**

**Effective between the dates of 07/23/2002 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 227-1.2(a)(2)**

**Item 12.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 12.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a boiler or combination of boilers (connected to the same emission point) with a maximum heat input exceeding 50 mmBtu per hour but no greater than 250 mmBtu per hour firing oil, other than distillate oil.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: Method 5 / Method 17



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**Facility DEC ID: 2610700159**

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 13: Compliance Demonstration**

**Effective between the dates of 07/23/2002 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 227-1.2(a)(2)**

**Item 13.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 13.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a boiler or combination of  
boilers (connected to the same emission point) with a  
maximum heat input exceeding 50 mmBtu per hour but no  
greater than 250 mmBtu per hour firing oil, other than  
distillate oil.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: Method 5 / Method 17

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY