

**New York State Department of Environmental Conservation
Facility DEC ID: 4381400061**



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

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 4-3814-00061/00001
Mod 0 Effective Date: 03/01/2005 Expiration Date: No expiration date.
Mod 1 Effective Date: 06/24/2005 Expiration Date: No expiration date.
Mod 2 Effective Date: 12/08/2005 Expiration Date: No expiration date.

Permit Issued To: BESICORP-EMPIRE NEWSPRINT LLC
1151 FLATBUSH RD
KINGSTON, NY 12401

Contact: DICK CLARK
1151 FLATBUSH RD
KINGSTON, NY 12401
(845) 338-7700

Facility: BESICORP-EMPIRE RECYCLED NEWSPRINT FACILITY
36 RIVERSIDE AVE
RENSSELAER, NY 12144

Description:

As a result of design modifications at the Recycled Newsprint Facility the permittee requested a modification of the existing Air State Facility permit. The modifications include; 1) source reduction of VOC emissions through use of low-VOC chemicals; 2) reduced emissions of non-criteria pollutants; 3) elimination of the 213-foot stack as result of reducing non-criteria pollutants; 4) a modification of on-site truck operations due to a reduction in size of the receiving and shipping warehouses.

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: WILLIAM R ADRIANCE
DIVISION OF ENVIRONMENTAL PERMITS
625 BROADWAY
ALBANY, NY 12233-1750

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 4
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 4 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 4 Headquarters
Division of Environmental Permits
1150 North Westcott Rd.
Schenectady, NY 12306-2014
(518) 357-2069



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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: BESICORP-EMPIRE NEWSPRINT LLC
1151 FLATBUSH RD
KINGSTON, NY 12401

Facility: BESICORP-EMPIRE RECYCLED NEWSPRINT FACILITY
36 RIVERSIDE AVE
RENSSELAER, NY 12144

Authorized Activity By Standard Industrial Classification Code:
2621 - PAPER MILLS EXC BUILDING PAPER

Mod 0 Permit Effective Date: 03/01/2005

Permit Expiration Date: No expiration date.

Mod 1 Permit Effective Date: 06/24/2005

Permit Expiration Date: No expiration date.

Mod 2 Permit Effective Date: 12/08/2005

Permit Expiration Date: No expiration date.



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 201-6.5(e): Compliance Demonstration
- 1-1 6NYCRR 201-6.5(f): Compliance Demonstration
- 2-1 6NYCRR 201-6.5(f)(1): Compliance Demonstration
- 1-2 6NYCRR 201-6.5(f)(1): Compliance Demonstration
- 2-2 6NYCRR 201-6.5(f)(1): Compliance Demonstration
- 1-3 6NYCRR 201-6.5(f)(1): Compliance Demonstration
- 1-5 6NYCRR 201-6.5(f)(1): Compliance Demonstration
- 1-6 6NYCRR 201-6.5(f)(1): Compliance Demonstration
- 1-8 6NYCRR 201-6.5(f)(1): Compliance Demonstration
- 1-9 6NYCRR 201-6.5(f)(1): Compliance Demonstration
- 3 6NYCRR 231-2.4: Notification/Reporting requirements
- 1-10 6NYCRR 231-2.4: Emission offset requirements
- 2-3 6NYCRR 231-2.5(a): Compliance Demonstration
- 2-4 6NYCRR 231-2.5(a): Compliance Demonstration
- 2-5 6NYCRR 231-2.5(a): Compliance Demonstration
- 2-6 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-14 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-15 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-17 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-18 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-19 40CFR 52.21(j), Subpart A: Compliance Demonstration

Emission Unit Level

EU=1-AXBRLR

- 1-20 40CFR 52.21, Subpart A: Compliance Demonstration
- 1-21 40CFR 52.21, Subpart A: Compliance Demonstration
- 2-7 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 2-8 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-24 40CFR 60.43b(g), NSPS Subpart Db: Particulate matter and opacity exemption.
- 1-25 40CFR 60.46b, NSPS Subpart Db: Compliance and performance methods for oxides of nitrogen and particulate matter.
- 1-26 40CFR 60.46b, NSPS Subpart Db: Compliance methods for oxides of nitrogen.
- 1-27 40CFR 60.46b(d), NSPS Subpart Db: Compliance Determination - Particulate Matter and Opacity

EU=1-AXBRLR,Proc=C11

- 2-9 6NYCRR 231-2.5(a): Compliance Demonstration
- 2-10 6NYCRR 231-2.5(a): Compliance Demonstration
- 2-11 6NYCRR 231-2.5(a): Compliance Demonstration



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- 1-29 6NYCRR 231-2.5(a): Compliance Demonstration
- 2-12 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-30 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-31 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-32 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-33 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-34 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-35 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-36 40CFR 52.21(j), Subpart A: Compliance Demonstration

EU=1-AXBRLR,Proc=C12

- 1-37 6NYCRR 227-1.2(a)(1): Compliance Demonstration
- 2-13 6NYCRR 231-2.5(a): Compliance Demonstration
- 1-38 6NYCRR 231-2.5(a): Compliance Demonstration
- 1-39 6NYCRR 231-2.5(a): Compliance Demonstration
- 1-40 6NYCRR 231-2.5(a): Compliance Demonstration
- 1-41 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-42 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-43 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-44 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-45 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-46 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-47 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-48 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-49 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-50 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 1-51 40CFR 60.42b(j), NSPS Subpart Db: Demonstration criteria for low sulfur oil.

EU=1-AXBRLR,EP=0100C

- 2-14 40CFR 60.46b(e), NSPS Subpart Db: Compliance Demonstration

EU=1-MISCR,Proc=R31

- 2-15 6NYCRR 227-1.3(a): Compliance Demonstration
- 2-16 6NYCRR 231-2.5(a): Compliance Demonstration
- 2-17 6NYCRR 231-2.5(a): Compliance Demonstration
- 2-18 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 2-19 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 2-20 40CFR 52.21(j), Subpart A: Compliance Demonstration
- 2-21 40CFR 52.21(j), Subpart A: Compliance Demonstration

EU=1--RNMP

- 11 6NYCRR 212.6(a): Compliance Demonstration
- 2-22 6NYCRR 231-2.5(a): Compliance Demonstration
- 2-23 6NYCRR 231-2.5(a): Compliance Demonstration
- 2-24 6NYCRR 231-2.5(a): Compliance Demonstration



EU=1-WWTMP,Proc=R22
29 6NYCRR 231-2.5(a): Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 30 ECL 19-0301: Contaminant List
- 31 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 32 6NYCRR 201-5: Emission Unit Definition
- 33 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

- 34 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 35 6NYCRR 201-5: Process Definition By Emission Unit



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: Compliance Demonstration
Effective between the dates of 03/01/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6.5(e)

Item 1.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;

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- whether compliance was continuous or intermittent;
- the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
- and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:



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1150 North Westcott Road
Schenectady, NY 12306-2014

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after every calendar year.

Condition 1-1: Compliance Demonstration
Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6.5(f)

Item 1-1.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 1-1.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Plan

Plan Objective

The objective of this Plan is to maximize operational flexibility by building capability into the Recycled Newsprint Facility State Facility Permit for the facility to make administrative and/or minor changes following a preestablished protocol as allowed for in 6 NYCRR, Part 201-6.5(f).

This plan does not address those types of changes that would invoke the Part 201-6.7(d) "Significant Permit Modification". Rather, it addresses changes that qualify, as minor modifications pursuant to the criteria specified by 6 NYCRR, Part 201-6.7(c)(1)(i) and (ii):

(1) Do not violate any applicable requirement;



(2) Do not involve significant changes to existing monitoring, reporting, or record keeping requirements in the permit and are not otherwise a significant change in the permit.

Protocol for Changes

(1) Certain changes which meet the criteria under (i) - (iii) below may be conducted without prior approval of the Department and shall not require modification of the permit. The facility owner and/or operator must however maintain records of the date and description of such changes and make such records available for review by Department representatives upon request.

(i) changes that do not cause emissions to exceed any emission limitation contained in regulations or applicable requirements under 6NYCRR;

(ii) changes which do not cause the subject emission unit, emission source, process, or emission point to become subject to any additional regulations or requirements under 6NYCRR;

(iii) changes that do not seek to establish or modify a federally-enforceable emission cap or limit.

(2) In addition to the record keeping required under (b)(1) above, the permittee must notify the Department in writing at least 30 calendar days in advance of making changes involving:

(i) the installation or relocation of any emission source, process, or emission point within a facility;

(ii) the emission of any air pollutant not previously authorized or emitted in accordance with a permit issued by the Department;

(iii) the installation or alteration of any air cleaning installation, device or control equipment.

(3) The Department may require a permit modification, in order to impose new applicable requirements or special

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permit conditions if it determines that changes proposed pursuant to notification under (2) above do not meet the criteria under (1) or the change may have a significant air quality impact. In such cases the Department may require that the permittee not undertake the proposed change until it completes a more detailed review of the potential air quality impacts and/or applicable requirements. The Department shall respond to the permittee in writing with such a determination within 15 days of receipt of the 30 day advance notification from the permittee. The Department's determination shall include a listing of information necessary to further review the proposed change.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 2-1: Compliance Demonstration
Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6.5(f)(1)

Replaces Condition(s) 1-4

Item 2-1.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 2-1.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If or when the the Besicorp-Empire Power Company, LLC Power Generating Facility (PGF) is built and operating, then the auxiliary boiler will only be allowed to operate under the Alternative Operating Scenario, which reflects part-time simultaneous operation of the auxiliary boiler and PGF, or operation of the auxiliary boiler in the event that a single combustion turbine, both combustion turbines, and/or a single steam turbine is unavailable.

Under this scenario, the facility would be subject to a 40.4 tons/year limit on the total VOC emissions.



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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-2: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6.5(f)(1)

Item 1-2.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 1-2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If or when the the Besicorp-Empire Power Company, LLC Power Generating Facility (PGF) is built and operating, then the auxiliary boiler will only be allowed to operate under the Alternative Operating Scenario, which reflects part-time simultaneous operation of the auxiliary boiler and PGF, or operation of the auxiliary boiler in the event that a single combustion turbine, both combustion turbines, and/or a single steam turbine is unavailable.

Under this scenario, the facility would be subject to a 2.40 tons/year limit on the total PM-10 emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 2-2: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6.5(f)(1)

Replaces Condition(s) 1-7

Item 2-2.1:

The Compliance Demonstration activity will be performed for the Facility.



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Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 2-2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If or when the the Besicorp-Empire Power Company, LLC Power Generating Facility (PGF) is built and operating, then the auxiliary boiler will only be allowed to operate under the Alternative Operating Scenario, which reflects part-time simultaneous operation of the auxiliary boiler and PGF, or operation of the auxiliary boiler in the event that a single combustion turbine, both combustion turbines, and/or a single steam turbine is unavailable.

Under this scenario, the facility would be subject to a 2.40 tons/year limit on the total particulate matter emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-3: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6.5(f)(1)

Item 1-3.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 1-3.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If or when the the Besicorp-Empire Power Company, LLC Power Generating Facility (PGF) is built and operating, then the auxiliary boiler will only be allowed to operate under the Alternative Operating Scenario, which reflects part-time simultaneous operation of the auxiliary boiler



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and PGF, or operation of the auxiliary boiler in the event that a single combustion turbine, both combustion turbines, and/or a single steam turbine is unavailable.

Under this scenario, the facility would be subject to a 3.65 tons/year limit on the total NOx emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-5: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6.5(f)(1)

Item 1-5.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-5.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If or when the the Besicorp-Empire Power Company, LLC Power Generating Facility (PGF) is built and operating, then the auxiliary boiler will only be allowed to operate under the Alternative Operating Scenario, which reflects part-time simultaneous operation of the auxiliary boiler and PGF, or operation of the auxiliary boiler in the event that a single combustion turbine, both combustion turbines, and/or a single steam turbine is unavailable.

Under this scenario, the facility would be subject to a 17.4 tons/year limit for total carbon monoxide emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-6: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

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Applicable Federal Requirement: 6NYCRR 201-6.5(f)(1)

Item 1-6.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-6.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If or when the the Besicorp-Empire Power Company, LLC Power Generating Facility (PGF) is built and operating, then the auxiliary boiler will only be allowed to operate under the Alternative Operating Scenario, which reflects part-time simultaneous operation of the auxiliary boiler and PGF, or operation of the auxiliary boiler in the event that a single combustion turbine, both combustion turbines, and/or a single steam turbine is unavailable.

Under this scenario, the facility would be subject to a 2.65 tons/year limit on the total sulfur dioxide emissions.

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 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6.5(f)(1)

Item 1-8.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 1-8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



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Monitoring Description:

If or when the the Besicorp-Empire Power Company, LLC Power Generating Facility (PGF) is built and operating, then the auxiliary boiler will only be allowed to operate under the Alternative Operating Scenario, which reflects part-time simultaneous operation of the auxiliary boiler and PGF, or operation of the auxiliary boiler in the event that a single combustion turbine, both combustion turbines, and/or a single steam turbine is unavailable.

Under this scenario, the facility would be subject to a 0.4 tons/year limit on the total sulfuric acid emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-9: Compliance Demonstration
Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6.5(f)(1)

Item 1-9.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 1-9.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If or when the the Besicorp-Empire Power Company, LLC Power Generating Facility (PGF) is built and operating, then the auxiliary boiler will only be allowed to operate under the Alternative Operating Scenario, which reflects part-time simultaneous operation of the auxiliary boiler and PGF, or operation of the auxiliary boiler in the event that a single combustion turbine, both combustion turbines, and/or a single steam turbine is unavailable.

Under this scenario, the facility would be subject to a 1.05 tons/year limit on the total ammonia emissions.



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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 3: Notification/Reporting requirements
Effective between the dates of 03/01/2005 and Permit Expiration Date**

Applicable Federal Requirement: 6NYCRR 231-2.4

Item 3.1:

At least sixty (60) days prior to the scheduled commence operation date of the proposed source project or proposed major facility, the permittee shall submit any changes to the list of offset sources included in this permit. For each such change, the applicant must submit another "Use of Emission Reduction Credits Form" signed by the applicant and an authorized representative of the new offset source.

Item 3. 2:

The facility shall submit to the DEC Regional office a letter of confirmation that each future emission reduction, if any, used to provide emission offsets for this facility has physically occurred. This letter should be submitted, not less than 10 working days, prior to the facility's scheduled start-up date.

Item 3.3:

This permit shall be subject to revocation if construction is not commenced within 18 months from the date of issuance of such permit or if construction is discontinued for a period of 18 months or more (excluding any period of time that the permit is subject to challenge in State or Federal court), or if construction is not completed within a reasonable time acceptable to the Department.

**Condition 1-10: Emission offset requirements
Effective between the dates of 06/24/2005 and Permit Expiration Date**

Applicable Federal Requirement: 6NYCRR 231-2.4

Replaces Condition(s) 2

Item 1-10.1:

To satisfy the emission offset requirements of Part 231, the facility has obtained 103 tons of VOC Emission Reduction Credits (ERCs) and 14 tons of NOx ERCs from the following sources:

Facility Name	DEC ID	ERCs (tpy)
Universal Packaging Corporation	5-1445-00004	103
Rochester Gas & Electric, Beebee Station	8-2614-00448	14

**Condition 2-3: Compliance Demonstration
Effective between the dates of 12/08/2005 and Permit Expiration Date**

Applicable Federal Requirement: 6NYCRR 231-2.5(a)

Replaces Condition(s) 1-11

Item 2-3.1:



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The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 2-3.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IN THE BASE CASE WITH THE AUXILIARY BOILER OPERATING FULL TIME, TOTAL EMISSIONS OF VOC FROM THE RECYCLED NEWSPRINT FACILITY (RNF) SHALL NOT EXCEED 43.5 TONS/YR, ROLLED DAILY. EMISSIONS SHALL BE DETERMINED USING FUEL USE AND EMISSION FACTORS APPROVED BY NYSDEC. RECORDS SHALL INCLUDE THE CALCULATIONS AND SUPPORTING DATA.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 2-4: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2.5(a)

Replaces Condition(s) 1-13

Item 2-4.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 2-4.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE BESICORP-EMPIRE RECYCLED NEWSPRINT FACILITY WAS PERMITTED IN CONJUNCTION WITH AN ADJACENT BESICORP-EMPIRE POWER GENERATING FACILITY AS ONE MAJOR SOURCE

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UNDER AN ORIGINAL PSD PERMIT (PERMIT ID# 4-3814-00052). FOR FUTURE PSD MODIFICATION PURPOSES, THE TOTAL POTENTIAL EMISSIONS FROM BOTH FACILITIES (POWER AND NEWSPRINT) FROM THE ORIGINAL PSD PERMIT AS SHOWN BELOW SHALL BE USED TO DEFINE THE SOURCE.

THE TOTAL PSD POTENTIAL TO EMIT FOR BOTH FACILITIES WAS ORIGINALLY DEFINED AS FOLLOWS AND SHALL BE USED TO EVALUATE FUTURE MODIFICATIONS TO THE FACILITY:

SO₂ - 151.4 TONS/YR
SULFURIC ACID - 59.0 TONS/YR
CO - 151.4 TONS/YR
AMMONIA - 115.4 TONS/YR
PM - 250.9 TONS/YR
PM-10 - 250.9 TONS/YR
VOC - 160.1 TONS/YR
NO_x - 221.8 TONS/YR

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 2-5: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2.5(a)

Replaces Condition(s) 1-12

Item 2-5.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-AXBLR

Emission Unit: 1-MISCR

Emission Unit: 1--RNMP

Emission Unit: 1-WWTMP

Regulated Contaminant(s):

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



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Item 2-5.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

IN THE BASE CASE WITH THE AUXILIARY BOILER OPERATING FULL TIME, TOTAL EMISSIONS OF NO_x FROM THE RECYCLED NEWSPRINT FACILITY (RNF) SHALL NOT EXCEED 11.9 TONS/YR, ROLLED DAILY. EMISSIONS SHALL BE DETERMINED USING CONTINUOUS EMISSIONS MONITORS.

Manufacturer Name/Model Number: TBD

Upper Permit Limit: 11.9 tons per year

Reference Test Method: EPA METHOD 19

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL TOTAL ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 2-6: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Replaces Condition(s) 1-16

Item 2-6.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 2-6.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IN THE BASE CASE WITH THE AUXILIARY BOILER OPERATING FULL TIME, TOTAL EMISSIONS OF SO₂ FROM THE RECYCLED NEWSPRINT FACILITY (RNF) SHALL NOT EXCEED 3.2 TONS/YEAR, ROLLED DAILY. FUEL USE, FUEL SULFUR ANALYSIS, AND EMISSION FACTORS APPROVED BY NYSDEC SHALL BE USED



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TO CALCULATE DAILY AND ROLLING ANNUAL SO₂
EMISSIONS. RECORDS SHALL INCLUDE
CALCULATIONS AND SUPPORTING DATA.

Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 1-14: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 1-14.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-14.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IN THE BASE CASE WITH THE AUXILIARY
BOILER OPERATING FULL TIME, TOTAL
EMISSIONS OF CARBON MONOXIDE FROM THE
RECYCLED NEWSPRINT FACILITY (RNF) SHALL
NOT EXCEED 74.7 TONS/YEAR, ROLLED DAILY.
CONTINUOUS EMISSIONS MONITORS SHALL BE
USED TO CALCULATE DAILY AND ROLLING
ANNUAL CO EMISSIONS. RECORDS SHALL
INCLUDE CALCULATIONS AND SUPPORTING
DATA.

Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 1-15: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

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Item 1-15.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 1-15.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IN THE BASE CASE WITH THE AUXILIARY BOILER OPERATING FULL TIME, TOTAL EMISSIONS OF SULFURIC ACID FROM THE RECYCLED NEWSPRINT FACILITY (RNF) SHALL NOT EXCEED 0.49 TONS/YEAR, ROLLED DAILY. FUEL USE, FUEL SULFUR ANALYSIS, AND EMISSION FACTORS APPROVED BY NYSDEC SHALL BE USED TO CALCULATE DAILY AND ROLLING ANNUAL SULFURIC ACID EMISSIONS. RECORDS SHALL INCLUDE CALCULATIONS AND SUPPORTING DATA.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 1-17: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 1-17.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 1-17.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IN THE BASE CASE WITH THE AUXILIARY



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BOILER OPERATING FULL TIME, TOTAL EMISSIONS OF AMMONIA FROM THE RECYCLED NEWSPRINT FACILITY (RNF) SHALL NOT EXCEED 4.49 TONS/YEAR, ROLLED DAILY. CONTINUOUS EMISSIONS MONITORS SHALL BE USED TO CALCULATE DAILY AND ROLLING ANNUAL AMMONIA EMISSIONS. RECORDS SHALL INCLUDE CALCULATIONS AND SUPPORTING DATA.

Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 1-18: Compliance Demonstration
Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 1-18.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

Item 1-18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

IN THE BASE CASE WITH THE AUXILIARY BOILER OPERATING FULL TIME, TOTAL EMISSIONS OF PM-10 FROM THE RECYCLED NEWSPRINT FACILITY (RNF) SHALL NOT EXCEED 6.17 TONS/YEAR, ROLLED DAILY. FUEL USE AND EMISSION FACTORS APPROVED BY NYSDEC SHALL BE USED TO CALCULATE DAILY AND ROLLING ANNUAL PM-10 EMISSIONS. RECORDS SHALL INCLUDE CALCULATIONS AND SUPPORTING DATA.

Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).



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Condition 1-19: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 1-19.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-19.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IN THE BASE CASE WITH THE AUXILIARY BOILER OPERATING FULL TIME, TOTAL EMISSIONS OF PM FROM THE RECYCLED NEWSPRINT FACILITY (RNF) SHALL NOT EXCEED 6.17 TONS/YEAR, ROLLED DAILY. FUEL USE AND EMISSION FACTORS APPROVED BY NYSDEC SHALL BE USED TO CALCULATE DAILY AND ROLLING ANNUAL PM EMISSIONS. RECORDS SHALL INCLUDE CALCULATIONS AND SUPPORTING DATA.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

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

Condition 1-20: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 1-20.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBRLR

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Regulated Contaminant(s):

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

Item 1-20.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The 1-hour average NO_x emission rates measured by the continuous NO_x monitor required by §60.48b(b) and required under §60.13(h) shall be expressed in ng/J or lb/mmBtu heat input and shall be used to calculate the average emission rates under §60.44b. The 1-hour averages shall be calculated using the data points required under §60.13(b). At least 2 data points must be used to calculate each 1-hour average.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-21: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 1-21.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 1-21.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Ammonia emissions from the auxiliary boiler shall not exceed 5.0 ppmvd at 15% oxygen as good operating practice for the SCR required for NO_x LAER and BACT. A continuous emissions monitoring system shall be used to demonstrate compliance with this limit.



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Manufacturer Name/Model Number: TBD

Upper Permit Limit: 5 parts per million by volume (dry,
corrected to 15% O₂)

Reference Test Method: Part 60 App. B and F

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 2-7: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Replaces Condition(s) 1-22

Item 2-7.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBRLR

Regulated Contaminant(s):

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

Item 2-7.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

When only one turbine train is online at the Besicorp-Empire Power Generating Facility (PGF), the auxiliary boiler may only operate at minimum load (10% load firing natural gas and 14% load firing distillate oil), unless the combustion turbine and the duct burner are operating at 100% load. The maximum load for the auxiliary boiler during this operating scenario is 207,200 pounds per hour of steam (1.hr. average). The RNF shall continuously record auxiliary boiler loads coincident with the PGF's continuously recording combustion turbine and duct burner loads in order to demonstrate compliance with this requirement.

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



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Condition 2-8: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Replaces Condition(s) 1-23

Item 2-8.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Regulated Contaminant(s):

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

Item 2-8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

When two turbine trains are online at the Besicorp-Empire Power Generating Facility, the auxiliary boiler may only operate if the combustion turbines are operating at 100% load and the duct burners are operating at 100% load or as necessary to prevent overheating of the reheat circuit.

The maximum load for the auxiliary boiler during this operating scenario is 207,200 pounds per hour of steam (1-hr. average). The RNF shall continuously record auxiliary boiler loads coincident with the PGF's continuously recording combustion turbine and duct burner loads in order to demonstrate compliance with this requirement.

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-24: Particulate matter and opacity exemption.

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.43b(g), NSPS Subpart Db

Item 1-24.1:

This Condition applies to Emission Unit: 1-AXBLR

Item 1-24.2:



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The particulate matter and opacity standards shall apply at all times, except during periods of startup, shutdown, or malfunction.

Condition 1-25: Compliance and performance methods for oxides of nitrogen and particulate matter.

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.46b, NSPS Subpart Db

Item 1-25.1:

This Condition applies to Emission Unit: 1-AXBLR

Item 1-25.2:

Compliance with both the oxides of nitrogen and particulate matter standards shall be determined using the methods specified in section 40 CFR 60-Db.46b.

Condition 1-26: Compliance methods for oxides of nitrogen.

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.46b, NSPS Subpart Db

Item 1-26.1:

This Condition applies to Emission Unit: 1-AXBLR

Item 1-26.2:

Oxides of nitrogen emission standards in section 40 CFR 60-Db.44b shall apply at all times.

Condition 1-27: Compliance Determination - Particulate Matter and Opacity

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.46b(d), NSPS Subpart Db

Item 1-27.1:

This Condition applies to Emission Unit: 1-AXBLR

Item 1-27.2:

To determine compliance with the particulate matter emission limits and opacity limits under 40 CFR Part 60.43b, the owner or operator of an affected facility shall conduct an initial performance test as required under 40 CFR Part 60.8 using the following procedures and reference methods:

(1) Method 3B is used for gas analysis when applying Method 5 or Method 17.

(2) Method 5, Method 5B, or Method 17 shall be used to measure the concentration of particulate matter as follows:

(i) Method 5 shall be used at affected facilities without wet flue gas desulfurization (FGD) systems; and

(ii) Method 17 may be used at facilities with or without wet scrubber systems provided the stack gas temperature does not exceed a temperature of 160 °C (320 °F). The procedures of sections 2.1 and 2.3 of



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Method 5B may be used in Method 17 only if it is used after a wet FGD system. Do not use Method 17 after wet FGD systems if the effluent is saturated or laden with water droplets.

(iii) Method 5B is to be used only after wet FGD systems.

(3) Method 1 is used to select the sampling site and the number of traverse sampling points. The sampling time for each run is at least 120 minutes and the minimum sampling volume is 1.7 dscm (60 dscf) except that smaller sampling times or volumes may be approved by the Administrator when necessitated by process variables or other factors.

(4) For Method 5, the temperature of the sample gas in the probe and filter holder is monitored and is maintained at 160 °C (320 °F).

(5) For determination of particulate matter emissions, the oxygen or carbon dioxide sample is obtained simultaneously with each run of Method 5, Method 5B or Method 17 by traversing the duct at the same sampling location.

(6) For each run using Method 5, Method 5B or Method 17, the emission rate expressed in nanograms per joule heat input is determined using:

(i) The oxygen or carbon dioxide measurements and particulate matter measurements obtained under this section,

(ii) The dry basis F factor, and

(iii) The dry basis emission rate calculation procedure contained in Method 19 (appendix A).

(7) Method 9 is used for determining the opacity of stack emissions.

Condition 2-9: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2.5(a)

Item 2-9.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Process: C11

Regulated Contaminant(s):

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

Item 2-9.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NO_x EMISSIONS FROM PROCESS C11 SHALL NOT EXCEED 9 PPMDV AT 3% OXYGEN IN ORDER TO COMPLY WITH THE LOWEST ACHIEVABLE



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EMISSION RATE (LAER) REQUIREMENTS. THIS EMISSION LIMIT SHALL BE MET THROUGH THE APPLICATION OF LOW NO_x BURNERS AND SELECTIVE CATALYTIC REDUCTION (SCR).

Manufacturer Name/Model Number: TBD

Upper Permit Limit: 9.0 parts per million by volume
(dry, corrected to 3% oxygen)

Reference Test Method: PART 60 APP B AND F

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 2-10: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2.5(a)

Replaces Condition(s) 1-28

Item 2-10.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Process: C11

Regulated Contaminant(s):

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

Item 2-10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NO_x emissions from process C11 shall not exceed 0.1099 lb/mmBtu in order to comply with the lowest achievable emission rate (LAER) requirements. A compliance stack test shall be performed within 180 days after auxiliary boiler startup to determine whether the limit is being met.

Manufacturer Name/Model Number: TBD

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: .1099 pounds per million Btus

Reference Test Method: EPA method 25A



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Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 2-11: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2.5(a)

Item 2-11.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Process: C11

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 2-11.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC EMISSIONS FROM PROCESS C11 SHALL NOT EXCEED 0.004 LB/MMBTU IN ORDER TO COMPLY WITH THE LOWEST ACHIEVABLE EMISSION RATE (LAER) REQUIREMENTS. A COMPLIANCE STACK TEST SHALL BE PERFORMED WITHIN 180 DAYS OF AUXILIARY BOILER STARTUP.

Upper Permit Limit: 0.004 pounds per million Btus

Reference Test Method: 25A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-29: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2.5(a)

Item 1-29.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR



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Facility DEC ID: 4381400061

Process: C11

Regulated Contaminant(s):

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

Item 1-29.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx emissions from process C11 shall not exceed 4.65 lb/hr in order to comply with the lowest achievable emission rate (LAER) requirements. A continuous emissions monitoring system (CEMS) shall be used to demonstrate compliance with this limit.

Manufacturer Name/Model Number: TBD

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 4.65 pounds per hour

Reference Test Method: part 60 Appendix B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 2-12: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 2-12.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Process: C11

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 2-12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM-10 EMISSIONS FROM PROCESS C11 SHALL



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NOT EXCEED 2.11 LB/HR IN ORDER TO COMPLY WITH THE BEST AVAILABLE CONTROL TECHNOLOGY (BACT) REQUIREMENTS. A COMPLIANCE STACK TEST SHALL BE PERFORMED WITHIN 180 DAYS OF AUXILIARY BOILER STARTUP.

Upper Permit Limit: 2.11 pounds per hour

Reference Test Method: 201A/202

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-30: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 1-30.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBRLR

Process: C11

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-30.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Carbon monoxide (CO) emissions from process C11 must comply with the Best Available Control Technology (BACT) requirements by meeting a limit of 31.7 lb/hr. A continuous emissions monitoring system (CEMS) shall be installed to determine compliance with this limit.

Manufacturer Name/Model Number: TBD

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 31.7 pounds per hour

Reference Test Method: part 60 Appendix B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



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The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 1-31: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 1-31.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR
Process: C11

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-31.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Carbon monoxide (CO) emissions from process C11 must comply with the Best Available Control Technology (BACT) requirements by meeting a limit of 0.5 lb/mmBtu. A continuous emissions monitoring system (CEMS) shall be installed to determine compliance with this limit.

Manufacturer Name/Model Number: TBD
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 0.5 pounds per million Btus
Reference Test Method: part 60 Appendix B&F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 1-32: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 1-32.1:

The Compliance Demonstration activity will be performed for:



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Emission Unit: 1-AXBLR

Process: C11

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 1-32.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Sulfuric acid mist emissions from process C11 must comply with the Best Available Control Technology (BACT) requirements through the use of natural gas fuel. This process must meet a sulfuric acid mist emission limit of 0.054 pounds per hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-33: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 1-33.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Process: C11

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-33.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Sulfur dioxide emissions from process C11 must comply with the Best Available Control Technology (BACT) requirements through the use of natural gas fuel. This process must meet a sulfur dioxide emission limit of 0.353 pounds per hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 1-34: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 1-34.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Process: C11

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 1-34.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM-10 emissions from process C11 shall not exceed 0.005 lb/mmBtu in order to comply with the Best Available Control Technology (BACT) requirements. A compliance stack test shall be performed within 180 days of auxiliary boiler startup.

Upper Permit Limit: .005 pounds per million Btus

Reference Test Method: EPA METHOD 201A/202

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-35: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 1-35.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR



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Facility DEC ID: 4381400061

Process: C11

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-35.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate matter (PM) emissions from process C11 must comply with the Best Available Control Technology (BACT) requirements by meeting a limit of 2.11 lb/hr. A compliance test will be performed to determine compliance with this limit within 180 days of auxiliary boiler startup.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 2.11 pounds per hour

Reference Test Method: EPA Method 5

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-36: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 1-36.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Process: C11

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-36.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate matter (PM) emissions from process C11 must comply with the Best Available Control Technology (BACT) requirements by meeting a limit of 0.005 lb/mmBtu. A



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compliance test will be performed to determine compliance with this limit within 180 days of auxiliary boiler startup.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.005 pounds per million Btus
Reference Test Method: EPA METHOD 5
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-37: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)

Item 1-37.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBRLR
Process: C12

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

Item 1-37.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

Particulate emissions from fuel oil combustion shall not exceed 0.10 lb/mmBtu. A compliance stack test shall be performed within 180 days of auxiliary boiler startup to demonstrate compliance with this limit.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: EPA Method 5
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 2-13: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date



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Applicable Federal Requirement: 6NYCRR 231-2.5(a)

Item 2-13.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Process: C12

Regulated Contaminant(s):

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

Item 2-13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NO_x EMISSIONS FROM PROCESS C12 SHALL NOT EXCEED 0.202 LB/MMBTU IN ORDER TO COMPLY WITH THE LOWEST ACHIEVABLE EMISSION RATE (LAER) REQUIREMENTS. A COMPLIANCE STACK TEST SHALL BE PERFORMED WITHIN 180 DAYS OF AUXILIARY BOILER STARTUP TO DETERMINE WHETHER THE LIMIT IS BEING MET.

Upper Permit Limit: 0.202 pounds per million Btus

Reference Test Method: 25A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-38: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2.5(a)

Item 1-38.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Process: C12

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 1-38.2:

Compliance Demonstration shall include the following monitoring:

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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC emissions from process C12 shall not exceed 0.004 lb/mmBtu in order to comply with the Lowest Achievable Emission Rate (LAER) requirements. A compliance stack test shall be performed within 180 days of auxiliary boiler startup.

Parameter Monitored: VOC

Upper Permit Limit: 0.004 pounds per million Btus

Reference Test Method: EPA Method 25A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-39: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2.5(a)

Item 1-39.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Process: C12

Regulated Contaminant(s):

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

Item 1-39.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx emissions from process C12 shall not exceed 22.0 ppmvd at 3% oxygen in order to comply with the Lowest Achievable Emission Rate (LAER) requirements. This emission limit is met through the application of low-NOx burners and selective catalytic reduction (SCR).

Manufacturer Name/Model Number: TBD

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 22.0 parts per million by volume
(dry, corrected to 3% oxygen)

Reference Test Method: Part 60 Appendix B&F



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Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 1-40: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2.5(a)

Item 1-40.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR
Process: C12

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

Item 1-40.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx emissions from process C12 shall not exceed 11.31 lb/hr in order to comply with the Lowest Achievable Emission Rate (LAER) requirements. A continuous emissions monitoring system shall be used to demonstrate compliance with this limit.

Manufacturer Name/Model Number: TBD
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 11.31 pounds per hour
Reference Test Method: Part 60 Appendix B&F
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 1-41: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

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Item 1-41.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR
Process: C12

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-41.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO emissions from process C12 shall not exceed 30.0 lb/hr in order to comply with the Best Available Control Technology (BACT) requirements. A continuous emissions monitoring system (CEMS) shall be used to demonstrate compliance with this limit.

Manufacturer Name/Model Number: TBD
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 30.0 pounds per hour
Reference Test Method: Part 60 Appendix B&F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 1-42: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 1-42.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR
Process: C12

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

Item 1-42.2:



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Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM-10 emissions from process C12 must comply with the Best Available Control Technology (BACT) requirements by meeting a limit of 12.0 lb/hr. A compliance stack tests shall be performed within 180 days of auxiliary boiler startup.

Parameter Monitored: PM-10

Upper Permit Limit: 12.0 pounds per hour

Reference Test Method: EPA Method 201A/202

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-43: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 1-43.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Process: C12

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-43.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Carbon monoxide (CO) emissions from process C12 must comply with the Best Available Control Technology (BACT) requirements by meeting a limit of 0.075 lb/mmBtu. A continuous emissions monitoring system (CEMS) shall be installed to determine compliance with this limit.

Manufacturer Name/Model Number: TBD

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.075 pounds per million Btus

Reference Test Method: part 60 Appendix B&F



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Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 1-44: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 1-44.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR
Process: C12

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

Item 1-44.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

The auxiliary boiler will be limited to firing no more than 1.03 million gallons/year of fuel oil on a rolling daily basis. Fuel oil flow to the boiler shall be continuously monitored and recorded to demonstrate compliance with this requirement. A complete description of the oil flow measurement and recording system and certification shall be submitted to the department prior to installation of the system. A system approved by the department shall be installed and certified prior to the boiler initial startup.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL OIL

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 1030000 gallons per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.



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

Condition 1-45: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 1-45.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Process: C12

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-45.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Sulfur dioxide and sulfuric acid mist emissions from fuel oil combustion shall comply with the Best Available Control Technology (BACT) requirements through the use of low sulfur distillate oil with a sulfur content of 0.05% by weight or less. Compliance shall be demonstrated through fuel oil sampling and analysis - one sample per supplier per day when oil is being delivered.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.05 percent by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 1-46: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

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Item 1-46.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Process: C12

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 1-46.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Sulfuric acid mist emissions from process C12 must comply with the Best Available Control Technology (BACT) requirements through the use of natural gas fuel. This process must meet a sulfuric acid mist emission limit of 3.08 pounds per hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-47: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 1-47.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Process: C12

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-47.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Sulfur dioxide emissions from process C12 must comply with the Best Available Control Technology (BACT) requirements through the use of natural gas fuel. This



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process must meet a sulfur dioxide emission limit of 20.16 pounds per hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 1-48: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 1-48.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Process: C12

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 1-48.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM-10 emissions from process C12 shall not exceed 0.03 lb/mmBtu in order to comply with the Best Available Control Technology (BACT) requirements. A compliance stack test shall be performed within 180 days of auxiliary boiler startup.

Upper Permit Limit: 0.03 pounds per million Btus

Reference Test Method: EPA METHOD 201A/202

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-49: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A



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Item 1-49.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Process: C12

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-49.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate matter (PM) emissions from process C12 shall not exceed 12.0 lb/hr in order to comply with Best Available Control Technology (BACT) requirements. A compliance stack test will be performed within 180 days after startup to determine compliance with this limit.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 12.0 pounds per hour

Reference Test Method: EPA Method 5

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-50: Compliance Demonstration

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 1-50.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR

Process: C12

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-50.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:



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Particulate matter (PM) emissions from process C12 shall not exceed 0.03 lb/mmBtu in order to comply with Best Available Control Technology (BACT) requirements. A compliance stack test will be performed within 180 days after startup to determine compliance with this limit.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.03 pounds per million Btus

Reference Test Method: EPA Method 5

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-51: Demonstration criteria for low sulfur oil.

Effective between the dates of 06/24/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.42b(j), NSPS Subpart Db

Item 1-51.1:

This Condition applies to Emission Unit: 1-AXBLR

Process: C12

Item 1-51.2:

Affected facilities which fire very low sulfur oil shall demonstrate that the oil meets the definition of very low sulfur oil by:

1) Following the performance testing procedures in subdivision 60.45b(c) or subdivision 60.45b(d) and following monitoring procedures in subdivision 60.47b(a) or in subdivision 60.47b(b) to determine SO₂ emission rate or fuel oil sulfur content; or

2) Maintaining fuel receipts as described in subdivision 60.49b(r).

Condition 2-14: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.46b(e), NSPS Subpart Db

Replaces Condition(s) 1-52

Item 2-14.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-AXBLR Emission Point: 0100C

Regulated Contaminant(s):

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



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Item 2-14.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To determine compliance with the emissions limits for nitrogen oxides required under §60.44(b), the facility shall conduct the performance test as required under §60.8 using the continuous system for monitoring nitrogen oxides under §60.48(b).

For the initial compliance test, nitrogen oxides from the steam generating unit are monitored for 30 successive steam generating unit operating days and the 30-day average emission rate is used to determine compliance with the nitrogen oxides emission standards under §60.44(b). The 30-day average emission rate is calculated as the average of all hourly emissions data recorded by the monitoring system during the 30-day test period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 30-DAY AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 2-15: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

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

Replaces Condition(s) 4

Item 2-15.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MISCR

Process: R31

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 2-15.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

OPACITY FROM THIS EMISSION UNIT SHALL NOT EQUAL OR EXCEED 20% FOR A 6-MINUTE



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AVERAGE, EXCEPT FOR ONE 6-MINUTE AVERAGE PER HOUR OF 27%. DUE TO THE EXPECTED INFREQUENT OPERATION OF THE ENGINES AND THE SHORT RUN TIMES, A METHOD 9 OPACITY TEST SHALL BE CONDUCTED ONLY AT THE REQUEST OF NYSDEC.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 2-16: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2.5(a)

Replaces Condition(s) 5

Item 2-16.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MISCR

Process: R31

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 2-16.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IN ORDER TO COMPLY WITH THE LAER REQUIREMENT FOR VOC, THE FIRE PUMP ENGINE SHALL OPERATE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. EQUIPMENT SPECIFICATIONS AND MAINTENANCE LOGS SHALL BE MAINTAINED ONSITE.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



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DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 2-17: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2.5(a)

Replaces Condition(s) 6

Item 2-17.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MISCR

Process: R31

Regulated Contaminant(s):

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

Item 2-17.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

IN ORDER TO COMPLY WITH THE LAER REQUIREMENT FOR NO_x, THE FIRE PUMP ENGINE SHALL OPERATE ONLY WITH THE USE OF TURBOCHARGERS WITH AFTERCOOLERS AND ELECTRONIC IGNITION TIMING RETARD. IN ADDITION, THE OPERATION OF THE ENGINE SHALL NOT EXCEED 52 HOURS PER ROLLING 12-MONTH PERIOD DURING EQUIPMENT TESTING. EQUIPMENT SPECIFICATIONS, LOGS OF OPERATING HOURS, AND MAINTENANCE LOGS SHALL BE MAINTAINED ON-SITE.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 52 hours per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 2-18: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Replaces Condition(s) 8

Item 2-18.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MISCR
Process: R31

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

Item 2-18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IN ORDER TO COMPLY WITH THE BACT
REQUIREMENT FOR PM, THE FIRE PUMP ENGINE
SHALL OPERATE IN ACCORDANCE WITH
MANUFACTURERS RECOMMENDATIONS. EQUIPMENT
SPECIFICATIONS AND MAINTENANCE LOGS SHALL
BE MAINTAINED ON-SITE.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 2-19: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Replaces Condition(s) 9

Item 2-19.1:



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The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MISCR

Process: R31

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 2-19.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IN ORDER TO COMPLY WITH THE BACT
REQUIREMENT FOR PM-10, THE FIRE PUMP
ENGINE SHALL OPERATE IN ACCORDANCE WITH
MANUFACTURERS RECOMMENDATIONS. EQUIPMENT
SPECIFICATIONS AND MAINTENANCE LOGS SHALL
BE MAINTAINED ON-SITE.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 2-20: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Replaces Condition(s) 10

Item 2-20.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MISCR

Process: R31

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 2-20.2:

Compliance Demonstration shall include the following monitoring:



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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IN ORDER TO COMPLY WITH THE BACT REQUIREMENT FOR CARBON MONOXIDE, THE FIRE PUMP ENGINE SHALL OPERATE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. EQUIPMENT SPECIFICATIONS AND MAINTENANCE LOGS SHALL BE MAINTAINED ON-SITE.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 2-21: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Replaces Condition(s) 7

Item 2-21.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MISCR

Process: R31

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 2-21.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

IN ORDER TO COMPLY WITH THE BACT REQUIREMENT FOR SO₂ AND SULFURIC ACID MIST, THE FIRE PUMP ENGINE SHALL ONLY FIRE DISTILLATE FUEL OIL WITH A SULFUR CONTENT NOT TO EXCEED 0.05% BY WEIGHT. THE FUEL SULFUR CONTENT SHALL BE VERIFIED BY THE FUEL SUPPLIER CERTIFICATION WITH EACH SHIPMENT OF FUEL. THE SULFUR



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LIMITATION IS MORE STRINGENT THAN THE
SULFUR LIMIT FROM 6 NYCRR PART 225 OF
1.5%.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.05 percent by weight
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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 11: Compliance Demonstration
Effective between the dates of 03/01/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 11.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1--RNMP

Item 11.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have

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occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with section 212.6(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify The Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

Reference Test Method: Method 22

Monitoring Frequency: DAILY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 2-22: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2.5(a)

Item 2-22.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1--RNMP

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 2-22.2:

Compliance Demonstration shall include the following monitoring:



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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IN ORDER TO DEMONSTRATE CONTINUOUS COMPLIANCE WITH THE 1.7 PPMDV VOC LIMIT, THE FACILITY SHALL COLLECT AND KEEP RECORDS OF PROCESS CHEMICALS USED IN THE PRODUCTION OF RECYCLED NEWSPRINT IN THE RNF AND THE VOC CONTENT OF EACH OF THESE CHEMICALS. THE FACILITY WILL THEN USE THE VOC CONTENTS OF THE CHEMICALS TO CALCULATE A ROLLING MONTHLY AVERAGE OF VOC EMISSIONS FOR THE RNF BASED ON EMISSION FACTORS DEVELOPED DURING THE INITIAL STACK TEST TO VERIFY COMPLIANCE WITH THE 1.7 PPMDV LIMIT.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 2-23: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2.5(a)

Item 2-23.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1--RNMP

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 2-23.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

VOC EMISSIONS (AS PROPANE) FOR EMISSION UNIT 1-RNMP SHALL NOT EXCEED 39.5 TONS/YEAR. TEST RESULTS FROM THE INITIAL STACK TEST SHALL BE USED TO DEVELOP EMISSION FACTORS WHICH, IN CONJUNCTION WITH PLANT PRODUCTION AND CHEMICAL USE



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DATA, WILL BE USED TO CALCULATE THE
12-MONTH ROLLING AVERAGE (CALCULATED ON A
MONTHLY BASIS) OF THE VOC EMISSIONS.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 2-24: Compliance Demonstration

Effective between the dates of 12/08/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2.5(a)

Item 2-24.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1--RNMP

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

Item 2-24.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

IN ORDER TO DEMONSTRATE CONTINUOUS
COMPLIANCE WITH THE 1.7 PPMDV LIMIT, THE
FACILITY SHALL COLLECT AND KEEP RECORDS
OF PROCESS CHEMICALS USED IN THE
PRODUCTION OF RECYCLED NEWSPRINT IN THE
RNF AND THE VOC CONTENT OF THESE
CHEMICALS. THE FACILITY WILL THEN USE
THE VOC CONTENTS OF THE CHEMICALS TO
CALCULATE ROLLING MONTHLY AVERAGE VOC
EMISSIONS FOR THE RNF BASED ON EMISSION
FACTORS DEVELOPED DURING THE INITIAL
STACK TEST, WHICH SHALL BE PERFORMED
WITHIN 180 DAYS OF RNF STARTUP, TO VERIFY
COMPLIANCE. THE DETAILS OF THE STACK
TEST, EMISSION FACTORS AND MONTHLY
TRACKING SYSTEM SHALL BE PROPOSED IN THE
STACK TEST PROTOCOL PRIOR TO THE STACK
TEST.

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Parameter Monitored: VOC

Upper Permit Limit: 1.7 Parts per million, dry weight

Reference Test Method: EPA METHOD 25a

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 29: Compliance Demonstration

Effective between the dates of 03/01/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2.5(a)

Item 29.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-WWTMP

Process: R22

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 29.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

VOC EMISSIONS FROM THE PRIMARY CLARIFIER AND ACTIVATED SLUDGE AERATION TANKS AT THE WASTEWATER TREATMENT PLANT ARE CONTROLLED THROUGH THE USE OF TANK COVERS. PROPER OPERATION OF THIS SYSTEM SHALL BE DEMONSTRATED THROUGH DAILY INSPECTION OF THE INTEGRITY OF THE COVERS. RECORDS WILL BE MAINTAINED ON-SITE AND PROVIDED TO NYSDEC UPON REQUEST.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

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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 30: Contaminant List

Effective between the dates of 03/01/2005 and Permit Expiration Date

Applicable State Requirement: ECL 19-0301

Item 30.1:

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

CAS No: 007664-41-7

Name: AMMONIA

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 007664-93-9

Name: SULFURIC ACID

CAS No: 0NY998-00-0

Name: VOC

Condition 31: Unavoidable noncompliance and violations

Effective between the dates of 03/01/2005 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-1.4

Item 31.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary



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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 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 32: Emission Unit Definition
Effective between the dates of 03/01/2005 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5



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Item 32.1(From Mod 2):

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

Emission Unit: 1-AXBLR

Emission Unit Description:

The auxiliary boiler (AB) will provide steam to the RNF for up to 8,760 hours/year until or unless the power generating facility (PGF) is constructed and is operating; or under an alternative operating scenario (AOS) that includes part-time simultaneous operation of the auxiliary boiler and the PGF, or operation of the auxiliary boiler in the event that a single combustion turbine, both combustion turbines, and/or a single steam turbine is unavailable. In the latter case, the AB will run under an Alternative Operating Scenario (AOS) with lower potential emissions. During the period before the PGF is operational, emissions from the AB will be exhausted from a 150 ft. agl stack. When the PGF is constructed, the AB stack will be extended to 247.5 ft agl.

The design capacity of the AB is 289.8 mmBtu/hr with a maximum load of the AB will be 240,000 pounds/hr.

Emissions will be controlled using low-NOx burners and an SCR.

Building(s): OUTSIDE
PAPER

Item 32.2(From Mod 2):

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

Emission Unit: 1-MISCR

Emission Unit Description:

EMISSION UNIT 1-MISCR CONSISTS OF MISCELLANEOUS REGULATED SOURCES ASSOCIATED WITH THE RNF. SOURCES INCLUDE A 300 HP FIRE PUMP AND MISCELLANEOUS CHEMICAL STORAGE TANKS. THIS EMISSION UNIT IS BEING MODIFIED TO DELETE A 410 kW STANDBY DIESEL GENERATOR (EDG02) THAT WAS ORIGINALLY PROPOSED AS PART OF PROCESS R31.

Building(s): WTBLG

Item 32.3(From Mod 2):

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

Emission Unit: 1--RNMP

Emission Unit Description:

THE EMISSION UNIT CONSISTS OF PROCESSES

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ASSOCIATED WITH THE RNF LOCATED IN THE DEINKING BUILDING AND THE PAPER MACHINE BUILDING. DEINKING PROCESSES INCLUDE A DRUM PULPER, FLOTATION CELLS, AND DISC FILTERS. THIS BUILDING ALSO CONTAINS A CLOSED SYSTEM HYDROSULFITE BRIGHTENING PROCESS. THE PROCESSES IN THE PAPER MACHINE BUILDING INCLUDE THE WET END PROCESS SOURCES AND THE DRY END SOURCES. THE WET END PROCESS INCLUDES THE SAVEALL SYSTEM, FORMERS, PRESSES, A MACHINE VACUUM SYSTEM, AND A PRESS PIT PULPER. THE DRY END PROCESS SOURCES INCLUDE A PAPER MACHINE DRYER, A CALENDAR PULPER, A REEL PULPER, AND A WINDER PULPER. LOW-VOC CHEMICALS WILL BE USED TO LIMIT VOC EMISSIONS FROM DEINKING AND THE PAPER MACHINE.

Building(s): DEINK
PAPER

Item 32.4(From Mod 2):

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

Emission Unit: 1-WWTMP

Emission Unit Description:

THIS EMISSION UNIT IS THE WASTEWATER TREATMENT SYSTEM FOR THE RNF. EFFLUENT FROM THE RNF IS TREATED IN A PRIMARY CLARIFIER THEN COOLED VIA A HEAT EXCHANGER PRIOR TO SECONDARY TREATMENT. THIS EMISSION UNIT IS BEING MODIFIED TO INCORPORATE REVISIONS TO THE STACK PARAMETERS FOR EMISSION POINTS 00211, 00212, 0210A, AND 0210B.

Building(s): WWTP

Condition 33: Air pollution prohibited

Effective between the dates of 03/01/2005 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 33.1:

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



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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 34: Emission Point Definition By Emission Unit
Effective between the dates of 03/01/2005 and Permit Expiration Date**

Applicable State Requirement: 6NYCRR 201-5

Item 34.1(From Mod 2):

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

Emission Unit: 1-AXBLR

Emission Point: 0100C

Height (ft.): 150

Diameter (in.): 60

NYTMN (km.): 4719.789 NYTME (km.): 602.626 Building: OUTSIDE

Emission Point: 0101C

Height (ft.): 247

Diameter (in.): 60

NYTMN (km.): 4719.789 NYTME (km.): 602.626 Building: OUTSIDE

Item 34.2(From Mod 2):

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

Emission Unit: 1-MISCR

Emission Point: 00201

Height (ft.): 50

Diameter (in.): 6

NYTMN (km.): 4720.374 NYTME (km.): 602.396 Building: WTBLG

Item 34.3(From Mod 2):

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

Emission Unit: 1--RNMP

Emission Point: 00301

Height (ft.): 94

Diameter (in.): 60

NYTMN (km.): 4720.169 NYTME (km.): 602.512 Building: PAPER

Emission Point: 00302

Height (ft.): 94

Diameter (in.): 60

NYTMN (km.): 4720.169 NYTME (km.): 602.523 Building: PAPER



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Emission Point: 00303
Height (ft.): 94 Diameter (in.): 60
NYTMN (km.): 4720.172 NYTME (km.): 602.532 Building: PAPER

Emission Point: 00304
Height (ft.): 96 Diameter (in.): 102
NYTMN (km.): 4720.165 NYTME (km.): 602.566 Building: PAPER

Emission Point: 00305
Height (ft.): 96 Diameter (in.): 102
NYTMN (km.): 4720.163 NYTME (km.): 602.612 Building: PAPER

Emission Point: 00306
Height (ft.): 94 Diameter (in.): 30
NYTMN (km.): 4720.165 NYTME (km.): 602.535 Building: PAPER

Emission Point: 00307
Height (ft.): 94 Diameter (in.): 30
NYTMN (km.): 4720.16 NYTME (km.): 602.612 Building: PAPER

Emission Point: 00308
Height (ft.): 94 Diameter (in.): 30
NYTMN (km.): 4720.163 NYTME (km.): 602.625 Building: PAPER

Emission Point: 00309
Height (ft.): 94 Diameter (in.): 30
NYTMN (km.): 4720.158 NYTME (km.): 602.625 Building: PAPER

Emission Point: 00310
Height (ft.): 96 Diameter (in.): 72
NYTMN (km.): 4720.166 NYTME (km.): 602.52 Building: PAPER

Emission Point: 00311
Height (ft.): 94 Diameter (in.): 24
NYTMN (km.): 4720.196 NYTME (km.): 602.484 Building: PAPER

Emission Point: 00312
Height (ft.): 98 Diameter (in.): 32
NYTMN (km.): 4720.251 NYTME (km.): 602.513 Building: DEINK

Emission Point: 00313
Height (ft.): 78 Diameter (in.): 54
NYTMN (km.): 4720.276 NYTME (km.): 602.556 Building: DEINK

Emission Point: 00314
Height (ft.): 78 Diameter (in.): 24



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NYTMN (km.): 4720.255 NYTME (km.): 602.595 Building: DEINK

Item 34.4(From Mod 2):

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

Emission Unit: 1-WWTMP

Emission Point: 00211

Height (ft.): 30

Diameter (in.): 20

NYTMN (km.): 4720.3

NYTME (km.): 602.41

Building: WWTP

Emission Point: 00212

Height (ft.): 45

Diameter (in.): 22

NYTMN (km.): 4720.27

NYTME (km.): 602.41

Building: WWTP

Emission Point: 0210A

Height (ft.): 27

Diameter (in.): 24

NYTMN (km.): 4720.12

NYTME (km.): 602.4

Building: WWTP

Emission Point: 0210B

Height (ft.): 27

Diameter (in.): 24

NYTMN (km.): 4720.18

NYTME (km.): 602.4

Building: WWTP

Item 34.5(From Mod 0):

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

Emission Unit: 1-MISCR

Emission Point: 00200

Removal Date: 07/21/2005

Height (ft.): 50

Diameter (in.): 8

NYTMN (km.): 4720.375

NYTME (km.): 602.396

Building: DEINK

Item 34.6(From Mod 1):

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

Emission Unit: 1--RNMP

Emission Point: 00300

Removal Date: 07/21/2005

Height (ft.): 212

Diameter (in.): 194

NYTMN (km.): 4720.212

NYTME (km.): 602.508

Condition 35: Process Definition By Emission Unit

Effective between the dates of 03/01/2005 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 35.1(From Mod 2):



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

Emission Unit: 1-AXBLR

Process: C11

Source Classification Code: 1-02-006-02

Process Description:

This process consists of an auxiliary boiler (AXBLR) firing natural gas. The auxiliary boiler is equipped with low-NOx burners. Nitrogen Oxides are further controlled with the use of selective catalytic reduction. (SCR03)

Emission Source/Control: AXBLR - Combustion

Design Capacity: 289.8 million BTUs per hour

Emission Source/Control: SCR03 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 35.2(From Mod 2):

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

Emission Unit: 1-AXBLR

Process: C12

Source Classification Code: 1-02-005-02

Process Description:

This process consists of an auxiliary boiler (AXBLR) firing low sulfur distillate oil. The auxiliary boiler is equipped with low-NOx burners. Nitrogen oxides are further controlled with selective catalytic reduction (SCR03).

Emission Source/Control: AXBLR - Combustion

Design Capacity: 289.8 million BTUs per hour

Emission Source/Control: SCR03 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 35.3(From Mod 2):

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

Emission Unit: 1-MISCR

Process: R31

Process Description:

THIS PROCESS IS THE COMBUSTION OF DIESEL FUEL OIL IN A 300 bhp FIREWATER PUMP ENGINE (FIRE2).

THIS PROCESS ONLY OPERATES DURING EMERGENCIES AND FOR BRIEF PERIODS OF NON-EMERGENCIES IN ORDER TO PERFORM

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MAINTENANCE ON THE SYSTEM.

Emission Source/Control: FIRE2 - Combustion

Item 35.4(From Mod 2):

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

Emission Unit: 1-MISCR

Process: R32

Process Description:

THIS PROCESS IS FOR MISCELLANEOUS STORAGE TANKS OF SOLID SOLUTIONS AND NONVOLATILE CHEMICALS.

Emission Source/Control: RTANK - Process

Item 35.5(From Mod 2):

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

Emission Unit: 1--RNMP

Process: R01

Source Classification Code: 3-07-012-20

Process Description:

THIS PROCESS IS FOR THE DEINKING BUILDING PROCESSES. THE DEINKING BUILDING INCLUDES A DRUM PULPER (DRPLP) THAT REMOVES THE MAJOR CONTAMINANTS FROM THE CHIPPED OR SHREDDED RECYCLED NEWSPRINT, READYING THE REMAINING PULP FOR PROCESSING. THE PULP FLOWS FROM THE PULPER TO SCREENERS AND CENTRIFUGAL SEPARATORS AND THEN TO SEVERAL FLOTATION CELLS (FLOT1-FLOT6) TO REMOVE INKS AND DISC FILTERS (DISC1, DISC2) FOR THICKENING. THE PULP FLOWS TO TWO SECONDARY FLOTATION CELLS (FLOT7, FLOT8) AND TWO DISC FILTERS (DISC3, DISC4). CHEMICALS ARE USED TO DETACH THE INKS FROM CELLULOSE AND IMPROVE BRIGHTNESS CHARACTERISTICS OF THE FIBER.

Emission Source/Control: DISC1 - Process

Emission Source/Control: DISC2 - Process

Emission Source/Control: DISC3 - Process

Emission Source/Control: DISC4 - Process



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Emission Source/Control: DRPLP - Process

Emission Source/Control: FLOT1 - Process

Emission Source/Control: FLOT2 - Process

Emission Source/Control: FLOT3 - Process

Emission Source/Control: FLOT4 - Process

Emission Source/Control: FLOT5 - Process

Emission Source/Control: FLOT6 - Process

Emission Source/Control: FLOT7 - Process

Emission Source/Control: FLOT8 - Process

Emission Source/Control: PRES1 - Process

Emission Source/Control: PRES2 - Process

Emission Source/Control: SPLP1 - Process

Item 35.6(From Mod 2):

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

Emission Unit: 1--RNMP

Process: R02

Source Classification Code: 3-07-013-99

Process Description:

THIS PROCESS IS FOR THE PAPER MACHINE. THE MECHANICAL PULP FROM THE DEINKING BUILDING IS PLACED ON THE WET END OF THE PAPER MACHINE THAT INCORPORATES WATER REMOVAL SYSTEMS AND A PRESSING MACHINE PROCESS TO CONVERT THE PULP FROM A VERY WET SLURRY TO FINISHED NEWSPRINT. THE WET END OF THE PROCESS INCLUDES THREE FORMERS (FRMR1-FRMR3), A PRESS PIT PULPER (PPPLP), A MACHINE VACUUM (MVACU), AND SAVEALL SYSTEM (SAHD1, SAHD2). PAPER MACHINE CALENDARS ARE USED TO ROLL THE FINISHED NEWSPRINT INTO JUMBO ROLLS THAT ARE SUBSEQUENTLY TRANSFERRED TO REWINDERS FOR CUTTING AND SIZING. THE DRY END OF THE PAPER MACHINE CONSISTS OF THE MACHINE HOOD EXHAUST (MHOD1, MHOD2), A CALENDAR PULPER



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(CRPLP), THE WINDER PULPER (WRPLP), AND A REEL PULPER (RLPLP).

- Emission Source/Control: CRPLP - Process
- Emission Source/Control: FORM1 - Process
- Emission Source/Control: FORM2 - Process
- Emission Source/Control: FORM3 - Process
- Emission Source/Control: MHOD1 - Process
- Emission Source/Control: MHOD2 - Process
- Emission Source/Control: MVACU - Process
- Emission Source/Control: PPPLP - Process
- Emission Source/Control: RLPLP - Process
- Emission Source/Control: SAHD1 - Process
- Emission Source/Control: SAHD2 - Process
- Emission Source/Control: WPLP1 - Process

Item 35.7(From Mod 2):

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

Emission Unit: 1-WWTMP

Process: R22

Process Description:

THIS PROCESS IS THE PRIMARY AND SECONDARY TREATMENT OF RNF WASTEWATER. EMISSIONS OCCUR FROM THE PUMP STATION, PRIMARY CLARIFIER, AND ACTIVATED SLUDGE TREATMENT. THE PUMP STATION IS LOCATED INSIDE THE EFFLUENT TREATMENT BUILDING WHICH IS EXHAUSTED THROUGH EMISSION POINT 00212. THE PRIMARY CLARIFIER AND ACTIVATED SLUDGE AERATION TANKS ARE COVERED AND EXHAUSTED THROUGH EMISSION POINTS 00211, 0210A, AND 0210B, RESPECTIVELY.

Emission Source/Control: AST01 - Process



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Emission Source/Control: PCLAR - Process

Emission Source/Control: PUMPS - Process

Item 35.8(From Mod 1):

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

Emission Unit: 1--RNMP

Process: RA1

Source Classification Code: 3-07-999-98

Process End Date: 7/21/2005

Process Description:

THIS PROCESS IS FOR THE DEINKING BUILDING PROCESSES. THE DEINKING BUILDING INCLUDES A STOCK PREPARATION PULPER (SPPLP) WHICH REMOVES THE MAJOR CONTAMINANTS FROM THE CHIPPED OR SHREDDED RECYCLED NEWSPRINT, READYING THE REMAINING PULP FOR PROCESSING. THE PULP FLOWS FROM THE PULPERS TO SCREENERS AND CENTRIFUGAL SEPARATORS AND THEN TO SEVERAL THICKENERS (THCK1, THCK2, THCK3, THCK4) AND FLOTATION STAGES TO REMOVE INKS. DISPERSION IS USED TO BREAK DOWN LARGE PARTICLES (SPRS1, SPRS2). CHEMICALS ARE USED TO DETACH THE INKS FROM CELLULOSE AND IMPROVE BRIGHTNESS CHARACTERISTICS OF THE FIBER. THIS PROCESS ALSO INCLUDES A DRUMPULPER (DPULP). VOC EMISSIONS FROM THE DEINKING PROCESS SOURCES ARE CONTROLLED USING A FLUIDIZED BED CARBON ADSORPTION SYSTEM (CBNO1). EMISSIONS FROM THE CARBON REGENERATION UNIT ARE CONTROLLED USING A THERMAL OXIDIZER (TOXO1) AND ARE DISCHARGED TO THE ATMOSPHERE THROUGH EP00300.

Emission Source/Control: CBNO1 - Control Removal Date: 07/21/2005
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: TOXO1 - Control Removal Date: 07/21/2005
Control Type: THERMAL OXIDATION

Emission Source/Control: DEPLP - Process Removal Date: 07/21/2005

Emission Source/Control: SPPLP - Process Removal Date: 07/21/2005

Emission Source/Control: SPRS1 - Process Removal Date: 07/21/2005



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Emission Source/Control: SPRS2 - Process Removal Date: 07/21/2005

Emission Source/Control: THCK1 - Process Removal Date: 07/21/2005

Emission Source/Control: THCK2 - Process Removal Date: 07/21/2005

Emission Source/Control: THCK3 - Process Removal Date: 07/21/2005

Emission Source/Control: THCK4 - Process Removal Date: 07/21/2005

Item 35.9(From Mod 1):

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

Emission Unit: 1--RNMP

Process: RA3

Source Classification Code: 3-07-013-99

Process End Date: 7/21/2005

Process Description:

THIS PROCESS IS FOR THE WET-END OF THE PAPER MACHINE. THE MECHANICAL PULP FROM THE DEINK BUILDING IS PLACED ON THE WET END OF THE PAPER MACHINE WHICH INCORPORATES WATER REMOVAL SYSTEMS AND A PRESSING MACHINE PROCESS TO CONVERT THE PULP FROM A VERY WET SLURRY TO FINISHED NEWSPRINT. THE WET END OF THE PROCESS INCLUDES TWO FORMERS (FRMR1, FRMR2), MIST COLLECTOR (MSTC1), A PRESS PIT PULPER (PPPLP), A MACHINE VACUUM (MVACU), TWO SAVEALL HOOD EXHAUSTS (SAHD1, SAHD2), AND A PRESS SECTION EXHAUST (PRESS).

VOC EMISSIONS FROM THE WET END OF THE PAPER MACHINE ARE CONTROLLED USING A FLUIDIZED BED CARBON ADSORPTION SYSTEM (CBNO2). EMISSIONS FROM THE CARBON DESORBERS ARE CONTROLLED USING A THERMAL OXIDIZER (TOXO2) AND ARE DISCHARGED TO THE ATMOSPHERE THROUGH EP 00300.

Emission Source/Control: CBNO2 - Control Removal Date: 07/21/2005
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: TOXO2 - Control Removal Date: 07/21/2005
Control Type: THERMAL OXIDATION

Emission Source/Control: FRMR1 - Process Removal Date: 07/21/2005



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Emission Source/Control: FRMR2 - Process Removal Date: 07/21/2005

Emission Source/Control: MSTC1 - Process Removal Date: 07/21/2005

Emission Source/Control: MVACU - Process

Emission Source/Control: PPPLP - Process

Emission Source/Control: PRESS - Process Removal Date: 07/21/2005

Emission Source/Control: SAHD1 - Process

Emission Source/Control: SAHD2 - Process

Item 35.10(From Mod 0):

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

Emission Unit: 1--RNMP

Process: RA4

Source Classification Code: 3-07-013-99

Process End Date: 7/21/2005

Process Description:

THIS PROCESS IS FOR THE DRY-END OF THE PAPER MACHINE. PAPER MACHINE CALENDARS ARE USED TO ROLL THE FINISHED NEWSPRINT INTO JUMBO ROLLS THAT ARE SUBSEQUENTLY TRANSFERRED TO REWINDERS FOR CUTTING AND SIZING. THE DRY END OF THE PAPER MACHINE INCLUDE DRY END PULPER (DEPLP), AND TWO WINDER PULPERS (WPLP1, WPLP2). ADDITIONAL PROCESSES INCLUDE REEL PULPER EXHAUST (RLPLP), AND THE MACHINE HOOD EXHAUST (MHOOD).

PROCESS EMISSIONS DISCHARGED TO THE ATMOSPHERE THROUGH EP 00300.

Emission Source/Control: DEPLP - Process Removal Date: 07/21/2005

Emission Source/Control: MHOOD - Process Removal Date: 07/21/2005

Emission Source/Control: RLPLP - Process

Emission Source/Control: WPLP1 - Process

Emission Source/Control: WPLP2 - Process Removal Date: 07/21/2005