New York State Department of Environmental Conservation
Facility DEC ID: 3551200041

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 3-5512-00041/00083
Effective Date: 06/28/2007 Expiration Date: 06/27/2012

Permit Issued To: BASF CORP
100 CAMPUS DRIVE
FLORHAM PARK, NJ 07932

Contact: DENNIS J HU
BASF CATALYSTS LLC
1057 LOWER SOUTH ST
PEEKSKILL, NY 10566
(914) 737-2554

Facility: BASF CORP
1057 LOWER SOUTH ST
PEEKSKILL, NY 10566

Description:
BASF Title V Permit Renewal

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: KENNETH R GRZYB
NYSDEC REGION 3
21 SOUTH PUTT CORNERS RD
NEW PALTZ, NY 12561

Authorized Signature: _____ Date: ___ / ___ / _____

New York State Department of Environmental Conservation
Facility DEC ID: 3551200041

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.

New York State Department of Environmental Conservation
Facility DEC ID: 3551200041

LIST OF CONDITIONS

DEC GENERAL CONDITIONS
General Provisions
Facility Inspection by the Department
Relationship of this Permit to Other Department Orders and Determinations
Applications for permit renewals, modifications and transfers
Applications for Permit Renewals and Modifications
Permit modifications, suspensions or revocations by the Department
Permit Modifications, Suspensions and Revocations by the Department
Facility Level
Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS

DEC GENERAL CONDITIONS
****** General Provisions ******
For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

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

Item 1.1:
The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:
The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:
A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

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

Item 2.1:
Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

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

Item 3.1:
The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:
The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:

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

Condition 4: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 4.1:
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 4.2:
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 4.3:
Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 5: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6NYCRR 621.13

Item 5.1:
The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

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

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

Item 6.1:
The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

a) materially false or inaccurate statements in the permit application or supporting papers;
b) failure by the permittee to comply with any terms or conditions of the permit;

c) exceeding the scope of the project as described in the permit application;
d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

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

Condition 7: Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.6(a)

Item 7.1:
Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054

New York State Department of Environmental Conservation
Permit ID: 3-5512-00041/00083 Facility DEC ID: 3551200041

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: BASF CORP
100 CAMPUS DRIVE
FLORHAM PARK, NJ 07932

Facility: BASF CORP
1057 LOWER SOUTH ST
PEEKSKILL, NY 10566

Authorized Activity By Standard Industrial Classification Code:
2816 - INORGANIC PIGMENTS
3081 - UNSUPPORTED PLASTICS FILM AND SHEET

Permit Effective Date: 06/28/2007 Permit Expiration Date: 06/27/2012

LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

1 6NYCRR 200.6: Acceptable Ambient Air Quality
2 6NYCRR 201-6.5(a)(7): Fees
3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
6 6NYCRR 201-6.5(e): Compliance Certification
7 6NYCRR 202-2.1: Compliance Certification
8 6NYCRR 202-2.5: Recordkeeping requirements
9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
10 6NYCRR 200.7: Maintenance of Equipment
11 6NYCRR 201-1.7: Recycling and Salvage
12 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
13 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
14 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
15 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
16 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
17 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
18 6NYCRR 201-6.5(f)(6): Off Permit Changes
19 6NYCRR 202-1.1: Required Emissions Tests
20 6NYCRR 211.3: Visible Emissions Limited
21 40CFR 68: Accidental release provisions.
22 40CFR 82, Subpart F: Recycling and Emissions Reduction
23 6NYCRR 201-6: Emission Unit Definition
24 6NYCRR 212.4(c): Compliance Certification

Emission Unit Level

25 6NYCRR 201-6: Emission Point Definition By Emission Unit
26 6NYCRR 201-6: Process Definition By Emission Unit

EU=E-U0002,EP=EP052,Proc=P02,ES=ES02C

27 6NYCRR 212: Compliance Certification

EU=E-U001A,EP=EP001

28 6NYCRR 227-1.3(a): Compliance Certification

EU=E-U001A,EP=EP001,Proc=P1A,ES=ES01A

29 6NYCRR 227-2.4(d): Compliance Certification

EU=E-U001A,EP=EP001,Proc=P1A,ES=ES01B

30 6NYCRR 227-2.4(d): Compliance Certification

EU=E-U001B,EP=EP076

31 6NYCRR 227-1.3(a): Compliance Certification
32 6NYCRR 227-2.4(d): Compliance Certification

EU=E-U0050
33 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications

STATE ONLY ENFORCEABLE CONDITIONS
Facility Level
34 ECL 19-0301: Contaminant List
35 6NYCRR 201-1.4: Unavoidable noncompliance and violations
36 6NYCRR 211.2: Air pollution prohibited

FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

Item A: 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 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 B: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 201-1.10(b)
The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to

Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item C: **Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item D: **Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item E: **Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item F: **Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item G: **Cessation or Reduction of Permitted Activity Not a Defense - 6NYCRR Part 201-6.5(a)(5)**
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in

order to maintain compliance with the conditions of this permit.

Item H: Property Rights - 6 NYCRR Part 201-6.5(a)(6)

This permit does not convey any property rights of any sort or any exclusive privilege.

Item I: Severability - 6 NYCRR Part 201-6.5(a)(9)

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item J: Permit Shield - 6 NYCRR Part 201-6.5(g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;

ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the

Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item K: Reopening for Cause - 6 NYCRR Part 201-6.5(i)

This Title V permit shall be reopened and revised under any of the following circumstances:

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit

is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

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

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

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

Condition 1: **Acceptable Ambient Air Quality**
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 200.6

Item 1.1:
Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit

any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(a)(7)

Item 2.1:
The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

Condition 3: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 06/28/2007 and 06/27/2012

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

Item 3.1:
The following information must be included in any required compliance monitoring records and reports:

(i) The date, place, and time of sampling or measurements;

(ii) The date(s) analyses were performed;

(iii)The company or entity that performed the analyses;

(iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;

(v) The results of such analyses including quality assurance data where required; and

(vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(2)

Item 4.1:
Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable

regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(3)(ii)

Item 5.1:
The Compliance Certification activity will be performed for the Facility.

Item 5.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

(1) For emissions of a hazardous air pollutant or a toxic air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If any of the above conditions are met, the source must notify the permitting authority by telephone or facsimile based on the timetable listed in paragraphs (1) through (4) of this section. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of the occurrence. All deviations reported under paragraph (1) through (4) of this section must also be identified in the 6 month monitoring report required above.

If the permittee seeks to have a violation excused as provided in 201-1.4, the permittee shall report such violations as required under 201-1.4(b). However, in no case may reports of any deviation be on a less frequent basis that those described in paragraphs (1) though (4) above. 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.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of

deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports 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 Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 06/28/2007 and 06/27/2012

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

Item 6.1:
The Compliance Certification activity will be performed for the Facility.

Item 6.2:
Compliance Certification 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;
- 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, 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 Compliance Monitoring and Enforcement (BCME) 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:

21 South Putt Corners Road

New Paltz, NY 12561-1696

The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring
and Enforcement
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 7.1:
The Compliance Certification activity will be performed for the Facility.

Item 7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 8.1:
(a) The following records shall be maintained for at least five years:

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 9: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 215

Item 9.1:
No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, refuse, rubbish for salvage, or rubbish generated by industrial or commercial activities.

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 200.7

Item 10.1:
Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Condition 11: Recycling and Salvage
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 11.1:
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 the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to

the air
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 12.1:
No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 06/28/2007 and 06/27/2012

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

Item 13.1:
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 this Subpart. 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 this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 06/28/2007 and 06/27/2012

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

Item 14.1:
The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. 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 this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

Condition 15: Standard Requirement - Provide Information
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(a)(4)

Item 15.1:
The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the

permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 16: General Condition - Right to Inspect
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(a)(8)

Item 16.1:
The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Standard Requirements - Progress Reports
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(d)(5)

Item 17.1:
Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 18: Off Permit Changes
Effective between the dates of 06/28/2007 and 06/27/2012

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

Item 18.1:
No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

Condition 19: Required Emissions Tests
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 19.1:
For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

Condition 20: Visible Emissions Limited
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 211.3

Item 20.1:
Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 21: Accidental release provisions.
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 40CFR 68

Item 21.1:
If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;

b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

Condition 22: Recycling and Emissions Reduction
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 22.1:
The permittee shall comply with all applicable provisions of 40 CFR Part 82.

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 23: Emission Unit Definition
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 23.1:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0002
Emission Unit Description:

BSP rotary calciner (exempt), dust/product collector for product conveyor (EP100), scrubber (EP101), electrostatic precipitator (EP052), product collector (EP020).

Building(s): BLDG 004

Item 23.2:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0003
Emission Unit Description:
Selas screw furnace (exempt), electrostatic precipitator (EP052), product collector (EP034).

Building(s): BLDG 004B

Item 23.3:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0006
Emission Unit Description:
Wyssmont 3 Tray Dryer (exempt), scrubber (EP038).

Building(s): BLDG 004B

Item 23.4:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0007
Emission Unit Description:
Wyssmont 4 Tray Dryer (exempt), scrubber (EP047), product collector (EP048), Eimco 6 vacuum filter

Building(s): BLDG 010B

Item 23.5:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0008
Emission Unit Description:
Wyssmont 5 Tray Dryer (exempt), scrubber (EP053), product collector (EP054), Fest 4 vacuum filter.

Building(s): BLDG 010A

Item 23.6:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0009
Emission Unit Description:
Wyssmont 6 Tray Dryer (exempt), scrubber (EP065), product

collector (EP064), straight line 2 vacuum filter.

Building(s): BLDG 029

Item 23.7:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0010
Emission Unit Description:
Wyssmont 7 Tray Dryer (exempt), scrubber (EP067), product collector (EP068), Fest 2 vacuum filter, Eimco 10 vacuum filter.

Building(s): BLDG 029

Item 23.8:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0011
Emission Unit Description:
Drever I belt furnace (EP109), sweep gas from process furnace (EP021), product collectors (EP022 and EP023), Eimco 1 vacuum filter.

Building(s): BLDG 004B

Item 23.9:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0012
Emission Unit Description:
Drever II belt furnace (exempt), sweep gas from process furnace (EP040), product collectors (EP041 and EP042), Eimco 4 vacuum filter.

Building(s): BLDG 009

Item 23.10:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0013
Emission Unit Description:
Drever III belt furnace (EP110), sweep gas from process furnace (EP044), product collectors (EP045 and EP046), Eimco 5 vacuum filter.

Building(s): BLDG 009

Item 23.11:

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

Emission Unit: E-U0014

Emission Unit Description:

Unique 1 belt furnace (EP104) sweep gas from process furnace (EP057), product collectoros (EP055 and EP056), Eimco 7 vacuum filter.

Building(s): BLDG 010A

Item 23.12:

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

Emission Unit: E-U0015

Emission Unit Description:

Unique 2 belt furnace (exempt), sweep gas from process furnace (EP062), product collector (EP063), Eimco 9 vacuum filter.

Building(s): BLDG 029

Item 23.13:

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

Emission Unit: E-U0016

Emission Unit Description:

Unique 3 belt furnace (EP105), sweep gas from process furnace (EP070), product collectors (EP069), Eimco 11 vacuum filter.

Building(s): BLDG 029

Item 23.14:

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

Emission Unit: E-U0017

Emission Unit Description:

Unique 4 belt furnace (EP106), sweep gas from process furnace (EP073), product collectors (EP072), Eimco 12 vacuum filter.

Building(s): BLDG 029

Item 23.15:

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

Emission Unit: E-U0019

Emission Unit Description:

Krauss Maffei Tray Dryer (steam heated), scrubber (EP075), product collector (EP074), Eimco 13 vacuum filter.

Building(s): BLDG 027

Item 23.16:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U001A
Emission Unit Description:
12.5 MMBTU/hr Cleaver Brooks boiler #3 and 12.6 MMBTU/hr North American boiler #2. Each boiler is equipped with low-NOx burners.

Building(s): BLDG 4A

Item 23.17:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U001B
Emission Unit Description:
One 25.0 MMBTU/hr, Cleaver Brooks boiler #1 (EP076) operating on natural gas

Building(s): BLDG 22

Item 23.18:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0021
Emission Unit Description:
Scrubber (EP025).

Building(s): BLDG 004

Item 23.19:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0022
Emission Unit Description:
Scrubber with 2 towers (EP039).

Building(s): BLDG 009

Item 23.20:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0023
Emission Unit Description:
Scrubber for pilot plant (EP066).

Building(s): BLDG 029

Item 23.21:

The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0024
Emission Unit Description:
Scrubber with 2 towers (EP071).

Building(s): BLDG 029

Item 23.22:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0025
Emission Unit Description:
Vent to atmosphere for Mearlite mixing tanks (EP005).

Building(s): BLDG 003

Item 23.23:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0027
Emission Unit Description:
Vent to atmosphere (EP058).

Building(s): BLDG 007

Item 23.24:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0028
Emission Unit Description:
Bowen spray dryer (exempt), product collector (EP008).

Building(s): BLDG 003

Item 23.25:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0029
Emission Unit Description:
Dust collector for air classifier (EP012), dust collector for bag dumping station (EP013).

Building(s): BLDG 004

Item 23.26:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0030
Emission Unit Description:
Bismuth Nitrate Solution Storage Tank (BNTA3)

Building(s): BLDG 004

Item 23.27:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0032
Emission Unit Description:
Dust collector (EP031).

Building(s): BLDG 004

Item 23.28:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0033
Emission Unit Description:
Dust collector (EP060).

Building(s): BLDG 009

Item 23.29:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0034
Emission Unit Description:
Dust collector (EP107), scrubber vent
(EP111).

Building(s): BLDG 30

Item 23.30:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0035
Emission Unit Description:
Product collector for cyclone air classifier (EP043).

Building(s): BLDG 010

Item 23.31:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0036
Emission Unit Description:
Sullair model no. 1506-1q-cat (300 hp) emergency diesel
compressor (ep108).

Building(s): BLDG 027

Item 23.32:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0037
Emission Unit Description:
Gas-fired Therma-Jet Product Dryer Equipped with a Two Stage Product Collection System

Building(s): BLDG 04D

Item 23.33:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0038
Emission Unit Description:
Air Classification of Product Solids

Building(s): BLDG 004

Item 23.34:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0039
Emission Unit Description:
Gas-fired Grieve Oven Product Dryer

Building(s): BLDG 04D

Item 23.35:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: E-U0050
Emission Unit Description:
Lines 1, 2, 3 Irridescent Film (IF) plant - ventilation for extruders (EP500, EP501, EP502) electric arc treaters (EP503, EP504) and fluidized bed (EP505). L

Building(s): BLDG IF

Condition 24: Compliance Certification
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 24.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: E-U0002 Emission Point: EP100
Process: P02 Emission Source: ES02A

Emission Unit: E-U0002 Emission Point: EP101
Process: P02 Emission Source: ES02B

Emission Unit: E-U0003 Emission Point: EP034
Process: P03 Emission Source: ES03C

Emission Unit: E-U0006 Emission Point: EP038
Process: P06 Emission Source: ES06A

Emission Unit: E-U0007 Emission Point: EP047
Process: P07 Emission Source: ES07A

Emission Unit: E-U0007 Emission Point: EP047
Process: P07 Emission Source: ES07B

Emission Unit: E-U0008 Emission Point: EP053
Process: P08 Emission Source: ES08A

Emission Unit: E-U0008 Emission Point: EP054
Process: P08 Emission Source: ES08B

Emission Unit: E-U0009 Emission Point: EP064
Process: P09 Emission Source: ES09B

Emission Unit: E-U0009 Emission Point: EP065
Process: P09 Emission Source: ES09A

Emission Unit: E-U0010 Emission Point: EP067
Process: P10 Emission Source: ES10A

Emission Unit: E-U0010 Emission Point: EP068
Process: P10 Emission Source: ES10B

Emission Unit: E-U0011 Emission Point: EP021
Process: P11 Emission Source: ES11C

Emission Unit: E-U0011 Emission Point: EP022
Process: P11 Emission Source: ES11A

Emission Unit: E-U0011 Emission Point: EP023
Process: P11 Emission Source: ES11B

Emission Unit: E-U0012 Emission Point: EP040
Process: P12 Emission Source: ES12C

Emission Unit: E-U0012 Emission Point: EP041
Process: P12 Emission Source: ES12A

Emission Unit: E-U0012 Emission Point: EP042
Process: P12 Emission Source: ES12B

Emission Unit: E-U0013 Emission Point: EP044
Process: P13 Emission Source: ES13C

Emission Unit: E-U0013 Emission Point: EP045
Process: P13 Emission Source: ES13A

Emission Unit: E-U0013 Emission Point: EP046
Process: P13 Emission Source: ES13B

Emission Unit: E-U0014 Emission Point: EP055
Process: P14 Emission Source: ES14B

Emission Unit: E-U0014 Emission Point: EP056
Process: P14 Emission Source: ES14C

Emission Unit: E-U0014 Emission Point: EP057
Process: P14 Emission Source: ES14D

Emission Unit: E-U0015 Emission Point: EP062
Process: P15 Emission Source: ES15B

Emission Unit: E-U0015 Emission Point: EP063
Process: P15 Emission Source: ES15A

Emission Unit: E-U0019 Emission Point: EP074
Process: P19 Emission Source: ES19B

Emission Unit: E-U0019 Emission Point: EP075
Process: P19 Emission Source: ES19A

Emission Unit: E-U0028 Emission Point: EP008
Process: P28 Emission Source: ES28A

Emission Unit: E-U0029 Emission Point: EP012
Process: P29 Emission Source: ES29A

Emission Unit: E-U0029 Emission Point: EP013
Process: P29 Emission Source: ES29B

Emission Unit: E-U0033 Emission Point: EP060

Process: P33 Emission Source: ES33A

Emission Unit: E-U0034 Emission Point: EP107
Process: P34 Emission Source: ES34A

Emission Unit: E-U0034 Emission Point: EP111
Process: P34 Emission Source: ES34B

Emission Unit: E-U0035 Emission Point: EP043
Process: P35 Emission Source: ES35A

Emission Unit: E-U0010 Emission Point: EP119

Emission Unit: E-U0016 Emission Point: EP069

Emission Unit: E-U0016 Emission Point: EP070

Emission Unit: E-U0016 Emission Point: EP105

Emission Unit: E-U0017 Emission Point: EP073

Emission Unit: E-U0017 Emission Point: EP072

Emission Unit: E-U0037 Emission Point: EP113

Emission Unit: E-U0038 Emission Point: EP114

Emission Unit: E-U0039 Emission Point: EP115

Emission Unit: E-U0002 Emission Point: EP020
Process: P02 Emission Source: ES02D

Emission Unit: E-U0002 Emission Point: EP020
Process: P02 Emission Source: ES02C

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

Item 24.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present following the guidelines similar to EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made once per day while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. If visible emissions are observed for two consecutive days, a Method 9 visible emissions test must be conducted by a certified observer. If the Method 9 test determines that the opacity is less than 20%, observations of the stack in question shall be used to determine that the opacity of these emissions remain less than 20%.

The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well an instances in which visible emissions were observed or in which observations could not be made due to weather conditions.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

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

Condition 25: Emission Point Definition By Emission Unit
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 25.1:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0002

Emission Point: EP020
Height (ft.): 36 Diameter (in.): 9
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 004

Emission Point: EP052
Height (ft.): 59 Diameter (in.): 20
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 004

Emission Point: EP100
Height (ft.): 36 Length (in.): 8 Width (in.): 8
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 004

Emission Point: EP101
Height (ft.): 36 Diameter (in.): 10
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 004

Item 25.2:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0003

Emission Point: EP034
Height (ft.): 36 Diameter (in.): 8
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 004B

Item 25.3:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0006

Emission Point: EP038
Height (ft.): 52 Diameter (in.): 20
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 004B

Item 25.4:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0007

Emission Point: EP047

Height (ft.): 59 Diameter (in.): 18
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 010B

Emission Point: EP048
Height (ft.): 55 Diameter (in.): 10
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 010B

Item 25.5:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0008

Emission Point: EP053
Height (ft.): 35 Diameter (in.): 12
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 010A

Emission Point: EP054
Height (ft.): 33 Diameter (in.): 8
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 010A

Item 25.6:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0009

Emission Point: EP064
Height (ft.): 32 Diameter (in.): 8
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 029

Emission Point: EP065
Height (ft.): 33 Diameter (in.): 8
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 029

Item 25.7:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0010

Emission Point: EP067
Height (ft.): 12 Diameter (in.): 12
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 029

Emission Point: EP068
Height (ft.): 32 Diameter (in.): 8
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 029

Emission Point: EP119

Height (ft.): 54 Diameter (in.): 10
Building: BLDG 029

Item 25.8:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0011

Emission Point: EP021
Height (ft.): 36 Diameter (in.): 14
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 004B

Emission Point: EP022
Height (ft.): 33 Diameter (in.): 8
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 004B

Emission Point: EP023
Height (ft.): 33 Diameter (in.): 8
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 004B

Emission Point: EP109
Height (ft.): 32 Length (in.): 24 Width (in.): 24
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 004B

Item 25.9:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0012

Emission Point: EP040
Height (ft.): 36 Diameter (in.): 12
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 009

Emission Point: EP041
Height (ft.): 36 Diameter (in.): 10
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 009

Emission Point: EP042
Height (ft.): 36 Diameter (in.): 10
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 009

Item 25.10:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0013

Emission Point: EP044

Height (ft.): 38 Diameter (in.): 12
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 009

Emission Point: EP045
Height (ft.): 36 Diameter (in.): 12
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 009

Emission Point: EP046
Height (ft.): 36 Diameter (in.): 12
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 009

Emission Point: EP110
Height (ft.): 42 Length (in.): 28 Width (in.): 28
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 009

Item 25.11:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0014

Emission Point: EP055
Height (ft.): 41 Diameter (in.): 10
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 010A

Emission Point: EP056
Height (ft.): 41 Diameter (in.): 10
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 010A

Emission Point: EP057
Height (ft.): 40 Diameter (in.): 12
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 010A

Emission Point: EP104
Height (ft.): 45 Length (in.): 44 Width (in.): 32
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 010A

Item 25.12:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0015

Emission Point: EP062
Height (ft.): 40 Diameter (in.): 12
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 029

Emission Point: EP063
Height (ft.): 40 Diameter (in.): 10

NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 029

Item 25.13:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0016

Emission Point: EP069
Height (ft.): 40 Diameter (in.): 10
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 029

Emission Point: EP070
Height (ft.): 38 Diameter (in.): 12
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 029

Emission Point: EP105
Height (ft.): 41 Length (in.): 36 Width (in.): 24
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 029

Item 25.14:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0017

Emission Point: EP072
Height (ft.): 42 Diameter (in.): 10
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 029

Emission Point: EP073
Height (ft.): 38 Diameter (in.): 12
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 029

Emission Point: EP106
Height (ft.): 41 Length (in.): 36 Width (in.): 24
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 029

Item 25.15:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0019

Emission Point: EP074
Height (ft.): 38 Diameter (in.): 8
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 027

Emission Point: EP075
Height (ft.): 26 Diameter (in.): 12

NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 027

Item 25.16:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U001A

Emission Point: EP001
Height (ft.): 41 Diameter (in.): 30
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 4A

Item 25.17:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U001B

Emission Point: EP076
Height (ft.): 42 Diameter (in.): 30
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 22

Item 25.18:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0021

Emission Point: EP025
Height (ft.): 46 Diameter (in.): 18
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 004

Item 25.19:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0022

Emission Point: EP039
Height (ft.): 36 Diameter (in.): 30
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 009

Item 25.20:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0023

Emission Point: EP066
Height (ft.): 33 Diameter (in.): 18
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 029

Item 25.21:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0024

Emission Point: EP071
Height (ft.): 40 Diameter (in.): 36
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 029

Item 25.22:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0025

Emission Point: EP005
Height (ft.): 15 Diameter (in.): 12
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 003

Item 25.23:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0027

Emission Point: EP058
Height (ft.): 21 Diameter (in.): 3
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 007

Item 25.24:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0028

Emission Point: EP008
Height (ft.): 27 Diameter (in.): 20
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 003

Item 25.25:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0029

Emission Point: EP012
Height (ft.): 30 Length (in.): 10 Width (in.): 10
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 004

Emission Point: EP013
Height (ft.): 30 Diameter (in.): 6

NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 004

Item 25.26:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0030

Emission Point: EP112
Height (ft.): 20 Diameter (in.): 6
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 004

Item 25.27:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0033

Emission Point: EP060
Height (ft.): 20 Diameter (in.): 8
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 009

Item 25.28:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0034

Emission Point: EP107
Height (ft.): 57 Length (in.): 17 Width (in.): 12
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 30

Emission Point: EP111
Height (ft.): 42 Diameter (in.): 6
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 30

Item 25.29:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0035

Emission Point: EP043
Height (ft.): 40 Diameter (in.): 20
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 010

Item 25.30:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0036

Emission Point: EP108
Height (ft.): 0 Length (in.): 17 Width (in.): 12
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 027

Item 25.31:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0037

Emission Point: EP113
Height (ft.): 32 Diameter (in.): 12
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 04D

Item 25.32:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0038

Emission Point: EP114
Height (ft.): 42 Diameter (in.): 8
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 004

Item 25.33:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0039

Emission Point: EP115
Height (ft.): 41 Diameter (in.): 9
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG 04D

Item 25.34:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-U0050

Emission Point: EP500
Height (ft.): 36 Diameter (in.): 18
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG IF

Emission Point: EP501
Height (ft.): 23 Diameter (in.): 14
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG IF

Emission Point: EP502
Height (ft.): 26 Diameter (in.): 14
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG IF

Emission Point: EP503
Height (ft.): 33 Diameter (in.): 6
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG IF

Emission Point: EP504
Height (ft.): 33 Diameter (in.): 6
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG IF

Emission Point: EP505
Height (ft.): 21 Diameter (in.): 4
NYTMN (km.): 4571.2 NYTME (km.): 589.5 Building: BLDG IF

Condition 26: Process Definition By Emission Unit
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 26.1:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0002
Process: P02 Source Classification Code: 3-01-035-01
Process Description:
An 8.0 MMBTU/hr natural gas fired BSP rotary calciner that is used to produce slurry into classified coated products (sulfates or chlorides). The slurry is typically received from the Wyssmont 1 tray dryer (process p04). This product is transferred from the calciner through an air classifier and a product collector that feeds the product into tote bins; the product fines generated through the conveying process are captured and discharged by the product collector to the atmosphere. The process gases are routed through a venturi rod scrubber that is tied in to a wet electrostatic precipitator.

Emission Source/Control: ES02A - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES02B - Control
Control Type: WET SCRUBBER

Emission Source/Control: ES02C - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: ES02D - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES02P - Process

Item 26.2:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0003
Process: P03 Source Classification Code: 3-01-035-01
Process Description:
A 6.24 MMBTU/hr gas fired Selas screw furnace that is used to produce slurry into classified coated products (sulfates or chlorides). The slurry is typically received from the Wyssmont 3 tray dryer (process p06). The product is transferred from the calciner through an air classifier and a product collector that feeds the product into tote bins; the product fines generated through the conveying process are captured in/discharged by the product collector to the atmosphere. The process gases are routed through one of two venturi rod scrubbers - both of which are tied into a wet electrostatic precipitator (p02).

Emission Source/Control: ES03A - Control
Control Type: WET SCRUBBER

Emission Source/Control: ES03B - Control
Control Type: WET SCRUBBER

Emission Source/Control: ES03C - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES03P - Process

Item 26.3:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0006
Process: P06 Source Classification Code: 3-01-900-04
Process Description:
An Eimco 3 vacuum filter that feeds process slurry into a 3.0 MMBTU/hr natural gas fired Wyssmont 3 tray dryer. The slurry is then dried in the dryer and transferred directly into the Selas screw furnace (process p02). The process

gases are routed through a venturi rod scrubber.

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Emission Source/Control: ES06A - Control
Control Type: WET SCRUBBER

Emission Source/Control: ES06P - Process

Item 26.4:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0007
Process: P07 Source Classification Code: 3-01-900-04
Process Description:
An EIMCO 6 Vacuum Filter that feeds process slurry into a 3.0 MMBTU/hr natural gas-fired Wyssmont 4 Tray Dryer. The slurry is then dried in the dryer and transferred into tote bins; the product fines generated through the conveying process are captured in a product collector. The process gases are routed through a venturi rod scrubber.

Emission Source/Control: ES07A - Control
Control Type: WET SCRUBBER

Emission Source/Control: ES07B - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES07P - Process

Item 26.5:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0008
Process: P08 Source Classification Code: 3-01-900-04
Process Description:
A FEST 4 Vacuum Filter that feeds process slurry into a 1.0 MMBTU/hr natural gas-fired Wyssmont 4 Tray Dryer. The slurry is then dried in the dryer and transferred into tote bins; the product fines generated through the conveying process are captured in a product collector. The process gases are routed through a venturi rod scrubber.

Emission Source/Control: ES08A - Control
Control Type: WET SCRUBBER

Emission Source/Control: ES08B - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES08P - Process

Item 26.6:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0009
Process: P09 Source Classification Code: 3-01-900-04
Process Description:
A straight line 2 vacuum filter that feeds process slurry into an 0.8 MMBTU/hr natural gas fired Wyssmont 6 tray dryer. The slurry is then dried in the dryer and transferred into tote bins; the product fines generated through the conveying process are captured in a product collector. The process gases are routed through a venturi rod scrubber.

Emission Source/Control: ES09A - Control
Control Type: WET SCRUBBER

Emission Source/Control: ES09B - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES09P - Process

Item 26.7:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0010
Process: P10 Source Classification Code: 3-01-900-04
Process Description:
A FEST 2 vacuum filter and an Eimco 10 vacuum filter that feed process slurry into a 1.2 MMBTU/hr natural gas fired Wyssmont 7 tray dryer. The slurry is then dried in the dryer and transferred into tote bins; the product fines generated through the conveying process are captured in a product collector. The process gases are routed through a venturi rod scrubber.

Emission Source/Control: ES10A - Control
Control Type: WET SCRUBBER

Emission Source/Control: ES10B - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES10C - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES10P - Process

Item 26.8:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0011
Process: P11 Source Classification Code: 3-01-900-04
Process Description:
An Eimco 1 vacuum filter that feeds process slurry into a 11.31 MMBTU/hr natural gas fired Drever I belt furnace. The slurry is then processed in the furnace and transferred into tote bins; the product fines generated through the conveying process are captured in product collector(s). The sweep gas from the process furnace discharges directly to the atmosphere.

Emission Source/Control: ES11D - Combustion

Emission Source/Control: ES11A - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES11B - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES11C - Process

Item 26.9:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0012
Process: P12 Source Classification Code: 3-01-900-04
Process Description:
An Eimco 4 vacuum filter that feeds process slurry into an 8.5 MMBTU/hr natural gas fired Drever II belt furnace. The slurry is then processed in the furnace and transferred into tote bins; the product fines generated

through the conveying process are captured in product collector(s). The sweep gas from the process furnace discharges directly to the atmosphere

Emission Source/Control: ES12A - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES12B - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES12C - Process

Item 26.10:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0013
Process: P13 Source Classification Code: 3-01-900-04
Process Description:
An Eimco 5 vacuum filter that feeds process slurry into an 11.31 MMBTU/hr natural gas fired Drever III belt furnace. The slurry is then processed in the furnace and transferred into tote bins; the product fines generated through the conveying process are captured in product collector(s). The sweep gas from the process furnace discharges directly to the atmosphere.

Emission Source/Control: ES13D - Combustion

Emission Source/Control: ES13A - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES13B - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES13C - Process

Item 26.11:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0014
Process: P14 Source Classification Code: 3-01-900-04
Process Description:
An Eimco 7 vacuum filter that feeds process slurry into a 12.0 MMBTU/hr natural gas fired Unique 1 belt furnace. The

slurry is then processed in the furnace and transferred into tote bins; the product fines generated through the conveying process are captured in product collector(s). The sweep gas from the process furnace discharges directly to the atmosphere.

Emission Source/Control: ES14A - Combustion

Emission Source/Control: ES14B - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES14C - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES14D - Process

Item 26.12:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0015
Process: P15 Source Classification Code: 3-01-900-04
Process Description:
An Eimco 9 vacuum filter that feeds process slurry into a 7.0 MMBTU/hr natural gas fired Unique 2 belt furnace (for the pilot plant). The slurry is then processed in the furnace and transferred into tote bins; the product fines generated through the conveying process are captured in a product collector. The sweep gas from the process furnace discharges directly to the atmosphere.

Emission Source/Control: ES15A - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES15B - Process

Item 26.13:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0016
Process: P16 Source Classification Code: 3-01-900-04
Process Description:
An Eimco 11 vacuum filter that feeds process slurry into a 12.0 MMBTU/hr natural gas fired Unique 3 belt furnace.

The slurry is then processed in the furnace and transferred into tote bins; the product fines generated through the conveying process are captured in product collector(s). The sweep gas from the process furnace discharges directly to the atmosphere.

Emission Source/Control: ES16A - Combustion

Emission Source/Control: ES16B - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES16C - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES16D - Process

Item 26.14:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0017
Process: P17 Source Classification Code: 3-01-900-04
Process Description:
An Eimco 12 vacuum filter that feeds process slurry into a 12.0 MMBTU/hr natural gas fired Unique 4 belt furnace. The slurry is then processed in the furnace and transferred into tote bins; the product fines generated through the conveying process are captured in product collector(s). The sweep gas from the process furnace discharges directly to the atmosphere.

Emission Source/Control: ES17A - Combustion

Emission Source/Control: ES17B - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES17C - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES17D - Process

Item 26.15:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0019
Process: P19 Source Classification Code: 3-01-035-53
Process Description:
A Eimco 13 vacuum filter that feeds process slurry into a steam heated Krauss Maffei tray dryer. The slurry is then dried in the dryer and transferred into tote bins; the product fines generated through the conveying process are captured in a product collector. The process gases are routed through a venturi scrubber.

Emission Source/Control: ES19A - Control
Control Type: WET SCRUBBER

Emission Source/Control: ES19B - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES19P - Process

Item 26.16:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U001A
Process: P1A Source Classification Code: 1-02-006-02
Process Description:
Two natural gas fired boilers (i.e, a 12.55 MMBTU/hr cleaver brooks, and 12.6 MMBTU/hr North American) that are used to produce steam for the Peekskill plant.

Emission Source/Control: ES01A - Combustion
Design Capacity: 12.6 million Btu per hour

Emission Source/Control: ES01B - Combustion
Design Capacity: 12.5 million Btu per hour

Item 26.17:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U001B
Process: P1B Source Classification Code: 1-02-006-02
Process Description:
One natural gas fired boiler (i.e. a 25.11 MMBTU/hr Cleaver Brooks) that is used to produce steam for the Peekskill plant.

Emission Source/Control: ES01C - Combustion
Design Capacity: 25 million Btu per hour

Item 26.18:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0021
Process: P21 Source Classification Code: 3-01-035-54
Process Description:
The venting of storage tanks and process vessels through a packed tower caustic scrubber that is used to control HCL fumes

Emission Source/Control: ES21A - Control
Control Type: WET SCRUBBER

Emission Source/Control: ES21P - Process

Item 26.19:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0022
Process: P22 Source Classification Code: 3-01-035-54
Process Description:
The venting of storage tanks and process vessels through a packed tower caustic scrubber that is used to control HCL fumes.

Emission Source/Control: ES22A - Control
Control Type: WET SCRUBBER

Emission Source/Control: ES22B - Control
Control Type: WET SCRUBBER

Emission Source/Control: ES22P - Process

Item 26.20:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0023
Process: P23 Source Classification Code: 3-01-035-54
Process Description:
The venting of storage tanks and reactor exhaust streams

- associated with the pilot plant - through a packed tower caustic scrubber that is used to control HCL fumes.

Emission Source/Control: ES23A - Control
Control Type: WET SCRUBBER

Emission Source/Control: ES23P - Process

Item 26.21:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0024
Process: P24 Source Classification Code: 3-01-035-54
Process Description:
The venting of storage tanks and process vessels through packed tower caustic scrubbers that are used to control HCL fumes.

Emission Source/Control: ES24A - Control
Control Type: WET SCRUBBER

Emission Source/Control: ES24B - Control
Control Type: WET SCRUBBER

Emission Source/Control: ES24P - Process

Item 26.22:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0025
Process: P25 Source Classification Code: 3-01-014-01
Process Description:
A vent to the atmosphere for five Mearlite mixing tanks (i.e., a dump tank, a bismuth solution tank, a bismuth solution make up tank, a feed tank, and a wash tank).

Emission Source/Control: ES25A - Process

Emission Source/Control: ES25B - Process

Emission Source/Control: ES25C - Process

Emission Source/Control: ES25D - Process

Emission Source/Control: ES25E - Process

Item 26.23:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0027
Process: P27 Source Classification Code: 3-01-011-98
Process Description:
A vent to the atmosphere for a 3,000 gallon HCL storage tank (i.e. tank No. HHCL2).

Emission Source/Control: ES27A - Process

Item 26.24:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0028
Process: P28 Source Classification Code: 3-01-900-04
Process Description:
A 1.9 MMBTU/hr natural gas fired Bowen spray dryer that is used for the drying of pigments from water suspensions. The process slurry is processed in the dryer and transferred into the bins; the product fines generated through the conveying process are captured in a product collector.

Emission Source/Control: ES28A - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES28P - Process

Item 26.25:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0029
Process: P29 Source Classification Code: 3-01-035-54
Process Description:
A dust collector that is used to collect fines generated by a Rema II bag dumping station followed by a Rema II air classifier and a product collector, which captures the product fines generated via this process, and conveys the

product into M1 and M2.

Emission Source/Control: ES29A - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES29B - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES29P - Process

Item 26.26:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0030
Process: P30 Source Classification Code: 3-01-035-54
Process Description:
Vent from Bismuth Nitrate Solution Storage Tank (BNTA3).

Emission Source/Control: ES30A - Process

Item 26.27:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0032
Process: P32 Source Classification Code: 3-01-035-99
Process Description:
A personal hygiene booth that is equipped with a dust collector used to collect product fines.

Emission Source/Control: ES32A - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES32P - Process

Item 26.28:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0033
Process: P33 Source Classification Code: 3-01-035-54
Process Description:
A mix tank, which is used for the dumping of off-spec product, that is equipped with a dust collector used to collect product fines.

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Emission Source/Control: ES33A - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES33P - Process

Item 26.29:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0034
Process: P34 Source Classification Code: 3-01-035-54
Process Description:
A product collector that is used to control emissions generated during the unloading of hydrated lime from a bulk trailer to the outside storage tank. The product collector discharges to an enclosure at the top of the lime silo that is not completely sealed. A previously permitted scrubber, which is not in service, that acts as an emission point when material is being transferred to the lime slurry tank.

Emission Source/Control: ES34A - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES34B - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: ES34P - Process

Item 26.30:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0035
Process: P35 Source Classification Code: 3-01-035-54
Process Description:
A product collector for a cyclone air classifier that separates out the finer mica.

Emission Source/Control: ES35A - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES35P - Process

Item 26.31:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0036
Process: P36 Source Classification Code: 2-01-001-02
Process Description:
A portable Sullair model no. 1506-1q-cat (300 hp) diesel-fired emergency compressor that is used for backup power generation.

Emission Source/Control: ES36A - Combustion

Item 26.32:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0037
Process: P37 Source Classification Code: 3-01-035-53
Process Description:
Gas-fired Terma-Jet Product Dryer Equipped with a Two-Stage Product Collection System.

Emission Source/Control: ES37A - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES37P - Process

Item 26.33:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0038
Process: P38 Source Classification Code: 3-01-035-99
Process Description: Air Classification of Product Solids

Emission Source/Control: ES38A - Control
Control Type: FABRIC FILTER

Emission Source/Control: ES38P - Process

Item 26.34:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0039
Process: P39 Source Classification Code: 3-01-035-53
Process Description: Gas-Fired Grieve Oven Product Dryer

Emission Source/Control: ES39A - Combustion

Item 26.35:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-U0050
Process: P50 Source Classification Code: 3-01-018-09
Process Description:
The IF plant processes plastic pellets that it stores in four silos located outside of the plant. Operations within the plant include three plastic film extruders that vent to the atmosphere via a filter; the filter media is not regenerated and is dispose d of in an energy recovery facility. The plant also includes two electric arc treaters that are used to treat plastic film and one electrically heated fluidized bed that is used to combust die solid residue.

Emission Source/Control: ES50A - Process

Emission Source/Control: ES50B - Process

Emission Source/Control: ES50C - Process

Emission Source/Control: ES50D - Process

Emission Source/Control: ES50E - Process

Emission Source/Control: ES50F - Process

Condition 27: Compliance Certification
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 212

Item 27.1:
The Compliance Certification activity will be performed for:

Emission Unit: E-U0002 Emission Point: EP052
Process: P02 Emission Source: ES02C

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

Item 27.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The facility owner/operator shall operate and maintain the control equipment (electrostatic precipitator) in accordance with the manufacturer's operating procedures, instructions and requirements. A copy of the manufacturer's operating procedures, instructions, and requirements shall be maintained with the permit for this facility at all times, and shall be retained for a period of not less than five (5) years.

The facility owner/operator will inspect the control equipment daily. If the control equipment is not operating as required, corrective action is required.

The facility owner/operator will maintain a log and/or records which will indicate the results of the daily inspections, routing maintenance activities, and any repairs and/or corrective actions taken. The log and/or records are to be maintained on-site for a period of five years.

Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 28: Compliance Certification
Effective between the dates of 06/28/2007 and 06/27/2012

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

Item 28.1:
The Compliance Certification activity will be performed for:

Emission Unit: E-U001A Emission Point: EP001

Item 28.2:
Compliance Certification shall include the following monitoring:

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

No owner or operator of a combustion installation shall

emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: METHOD 9
Monitoring Frequency: ANNUALLY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 29: Compliance Certification
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 227-2.4(d)

Item 29.1:
The Compliance Certification activity will be performed for:

Emission Unit: E-U001A Emission Point: EP001
Process: P1A Emission Source: ES01A

Item 29.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
A boiler tune-up shall be performed annually. The owner or operator of a small boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

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

Condition 30: Compliance Certification
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 227-2.4(d)

Item 30.1:
The Compliance Certification activity will be performed for:

Emission Unit: E-U001A Emission Point: EP001
Process: P1A Emission Source: ES01B

Item 30.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
A boiler tune-up shall be performed annually. The owner or operator of a small boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

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

Condition 31: Compliance Certification
Effective between the dates of 06/28/2007 and 06/27/2012

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

Item 31.1:
The Compliance Certification activity will be performed for:

Emission Unit: E-U001B Emission Point: EP076

Item 31.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: method 9
Monitoring Frequency: ANNUALLY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 32: Compliance Certification
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 227-2.4(d)

Item 32.1:
The Compliance Certification activity will be performed for:

Emission Unit: E-U001B Emission Point: EP076

Item 32.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
A boiler tune-up shall be performed annually. The owner or operator of a small boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

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

Condition 33: Emissions from new emission sources and/or modifications
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 33.1:
This Condition applies to Emission Unit: E-U0050

Item 33.2:
No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner.

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS
The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 34: **Contaminant List**
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable State Requirement: ECL 19-0301

Item 34.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this

permit(emission limits, control requirements or compliance monitoring conditions).

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

Condition 35: Unavoidable noncompliance and violations
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable State Requirement: 6NYCRR 201-1.4

Item 35.1:
At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall 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 36: Air pollution prohibited
Effective between the dates of 06/28/2007 and 06/27/2012

Applicable State Requirement: 6NYCRR 211.2

Item 36.1:
No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.