

Attention:

Material Sciences Corporation  
Attn: Joe Domaracki, VP Engineering  
2200 East Pratt Boulevard  
Elk Grove Village, Illinois 60007

State of Illinois

CLEAN AIR ACT PERMIT  
PROGRAM (CAAPP) PERMIT

Source:

Material Sciences Corporation  
2200 East Pratt Boulevard  
Elk Grove Village, Illinois 60007

I.D. No.: 031440AGL  
Permit No.: 96030091

Permitting Authority:

Illinois Environmental Protection Agency  
Bureau of Air, Permit Section  
217/785-1705

**CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT**

Type of Application: Renewal  
Purpose of Application: Renew Existing CAAPP Permit for 5 Years

ID No.: 031440AGL  
Permit No.: 96030091  
Statement of Basis No.: 96030091-1404

Date Application Received: June 21, 2010  
Date Issued: June 23, 2014

Expiration Date: June 23, 2019  
Renewal Submittal Date: 9 Months Prior to June 23, 2019

Source Name: Material Sciences Corporation  
Address: 2200 East Pratt Boulevard  
City: Elk Grove Village  
County: Cook  
ZIP Code: 60007

This permit is hereby granted to the above-designated source authorizing operation in accordance with this CAAPP permit, pursuant to the above referenced application. This source is subject to the conditions contained herein. For further information on the source see Section 1 and for further discussion on the effectiveness of this permit see Condition 2.3(g).

If you have any questions concerning this permit, please contact Azael Ramirez at 217/785-1705.

Raymond E. Pilapil  
Acting Manager, Permit Section  
Division of Air Pollution Control

REP:MTR:AJR:psj

cc: IEPA, Permit Section  
IEPA, FOS, Region 1  
Lotus Notes Database

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**Section 1 - Source Information**

**1. Addresses**

**Source**

Material Sciences Corporation  
 2200 East Pratt Boulevard  
 Elk Grove Village, Illinois 60007

**Owner**

Material Sciences Corporation  
 2200 East Pratt Boulevard  
 Elk Grove Village, Illinois 60007

**Operator**

Material Sciences Corporation  
 2200 East Pratt Boulevard  
 Elk Grove Village, Illinois 60007

**Permittee**

The Owner and Operator of the source as identified in this table.

**2. Contacts**

**Certified Officials**

The source shall submit an Administrative Permit Amendment for any change in the Certified Officials, pursuant to Section 39.5(13) of the Act.

	<i>Name</i>	<i>Title</i>
<i>Responsible Official</i>	Joe Domaracki	VP Engineering
<i>Delegated Authority</i>	No other individuals have been authorized by the IEPA.	N/A

**Other Contacts**

	<i>Name</i>	<i>Phone No.</i>	<i>Email</i>
<i>Source Contact</i>	Ed Kolozsy	847-718-8050	Ed.kolozsy@matsci.com
<i>Technical Contact</i>	Ed Kolozsy	847-718-8050	Ed.kolozsy@matsci.com
<i>Correspondence</i>	Joe Domaracki	847-718-8490	Joe.domaracki@matsci.com
<i>Billing</i>	Joe Domaracki	847-718-8490	Joe.domaracki@matsci.com

**3. Single Source**

The source identified in Condition 1.1 above shall be defined to include all the following additional source(s):

<i>I.D. No.</i>	<i>Permit No.</i>	<i>Single Source Name and Address</i>
N/A	N/A	N/A

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## Section 2 - General Permit Requirements

### 1. Prohibitions

- a. It shall be unlawful for any person to violate any terms or conditions of this permit issued under Section 39.5 of the Act, to operate the CAAPP source except in compliance with this permit issued by the IEPA under Section 39.5 of the Act or to violate any other applicable requirements. All terms and conditions of this permit issued under Section 39.5 of the Act are enforceable by USEPA and citizens under the Clean Air Act, except those, if any, that are specifically designated as not being federally enforceable in this permit pursuant to Section 39.5(7)(m) of the Act. [Section 39.5(6)(a) of the Act]
- b. After the applicable CAAPP permit or renewal application submittal date, as specified in Section 39.5(5) of the Act, the source shall not operate this CAAPP source without a CAAPP permit unless the complete CAAPP permit or renewal application for such source has been timely submitted to the IEPA. [Section 39.5(6)(b) of the Act]
- c. No Owner or Operator of the CAAPP source shall cause or threaten or allow the continued operation of an emission source during malfunction or breakdown of the emission source or related air pollution control equipment if such operation would cause a violation of the standards or limitations applicable to the source, unless this CAAPP permit granted to the source provides for such operation consistent with the Act and applicable Illinois Pollution Control Board regulations. [Section 39.5(6)(c) of the Act]
- d. Pursuant to Section 39.5(7)(g) of the Act, emissions from the source are not allowed to exceed any allowances that the source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder, consistent with Section 39.5(17) of the Act and applicable requirements, if any.

### 2. Emergency Provisions

Pursuant to Section 39.5(7)(k) of the Act, the Owner or Operator of the CAAPP source may provide an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations under this CAAPP permit if the following conditions are met through properly signed, contemporaneous operating logs, or other relevant evidence:

- a.
  - i. An emergency occurred and the source can identify the cause(s) of the emergency.
  - ii. The source was at the time being properly operated.
  - iii. The source submitted notice of the emergency to the IEPA within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
  - iv. During the period of the emergency the source took all reasonable steps to minimize levels of emissions that exceeded the emission limitations, standards, or requirements in this permit.
- b. For purposes of Section 39.5(7)(k) of the Act, "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, such as an act of God, that requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operation error.
- c. In any enforcement proceeding, the source seeking to establish the occurrence of an emergency has the burden of proof. This provision is in addition to any emergency or

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upset provision contained in any applicable requirement. This provision does not relieve the source of any reporting obligations under existing federal or state laws or regulations.

### **3. General Provisions**

#### **a. Duty to Comply**

The source must comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the CAA and the Act, and is grounds for any or all of the following: enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. [Section 39.5(7)(o)(i) of the Act]

#### **b. Need to Halt or Reduce Activity is not a Defense**

It shall not be a defense for the source in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Section 39.5(7)(o)(ii) of the Act]

#### **c. Duty to Maintain Equipment**

The source shall maintain all equipment covered under this permit in such a manner that the performance or operation of such equipment shall not cause a violation of applicable requirements. [Section 39.5(7)(a) of the Act]

#### **d. Disposal Operations**

The source shall be operated in such a manner that the disposal of air contaminants collected by the equipment operations, or activities shall not cause a violation of the Act or regulations promulgated there under. [Section 39.5(7)(a) of the Act]

#### **e. Duty to Pay Fees**

- i. The source must pay fees to the IEPA consistent with the fee schedule approved pursuant to Section 39.5(18) of the Act, and submit any information relevant thereto. [Section 39.5(7)(o)(vi) of the Act]
- ii. The IEPA shall assess annual fees based on the allowable emissions of all regulated air pollutants, except for those regulated air pollutants excluded in Section 39.5(18)(f) of the Act and insignificant activities in Section 6, at the source during the term of this permit. The amount of such fee shall be based on the information supplied by the applicant in its complete CAAPP permit application. [Section 39.5(18)(a)(ii)(A) of the Act]
- iii. The check should be payable to "Treasurer, State of Illinois" and sent to: Fiscal Services Section, Illinois EPA, P.O. Box 19276, Springfield, IL, 62794-9276. Include on the check: ID #, Permit #, and "CAAPP Operating Permit Fees". [Section 39.5(18)(e) of the Act]

#### **f. Obligation to Allow IEPA Surveillance**

Pursuant to Sections 4(a), 39.5(7)(a), and 39.5(7)(p)(ii) of the Act, inspection and entry requirements that necessitate that, upon presentation of credentials and other documents as may be required by law and in accordance with constitutional limitations, the source shall allow the IEPA, or an authorized representative to perform the following:

- i. Enter upon the source's premises where the emission unit(s) are located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

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- ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.
- iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
- iv. Sample or monitor any substances or parameters at any location at reasonable times:
  - A. As authorized by the Clean Air Act or the Act, at reasonable times, for the purposes of assuring compliance with this CAAPP permit or applicable requirements; or
  - B. As otherwise authorized by the Act.
- v. Enter and utilize any photographic, recording, testing, monitoring, or other equipment for the purposes of preserving, testing, monitoring, or recording any activity, discharge or emission at the source authorized by this permit.

**g. Effect of Permit**

- i. Pursuant to Section 39.5(7)(j)(iv) of the Act, nothing in this CAAPP permit shall alter or affect the following:
  - A. The provisions of Section 303 (emergency powers) of the CAA, including USEPA's authority under that Section.
  - B. The liability of the Owner or Operator of the source for any violation of applicable requirements prior to or at the time of permit issuance.
  - C. The applicable requirements of the acid rain program consistent with Section 408(a) of the Clean Air Act.
  - D. The ability of USEPA to obtain information from the source pursuant to Section 114 (inspections, monitoring, and entry) of the Clean Air Act.
- ii. Notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, pursuant to Sections 39.5(7)(j) and (p) of the Act, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements. [35 IAC 201.122 and Section 39.5(7)(a) of the Act]

**h. Severability Clause**

The provisions of this permit are severable. In the event of a challenge to any portion of this permit, other portions of this permit may continue to be in effect. Should any portion of this permit be determined to be illegal or unenforceable, the validity of the other provisions shall not be affected and the rights and obligations of the source shall be construed and enforced as if this permit did not contain the particular provisions held to be invalid and the applicable requirements underlying these provisions shall remain in force. [Section 39.5(7)(i) of the Act]

**4. Testing**

- a. Tests conducted to measure composition of materials, efficiency of pollution control devices, emissions from process or control equipment, or other parameters shall be conducted using standard test methods if applicable test methods are not specified by the applicable regulations or otherwise identified in the conditions of this permit. Documentation of the test date, conditions, methodologies, calculations, and test results shall be retained pursuant to the recordkeeping procedures of this permit. Reports of

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any tests conducted as required by this permit or as the result of a request by the IEPA shall be submitted as specified in Condition 7.1 of this permit. [35 IAC Part 201 Subpart J and Section 39.5(7)(a) of the Act]

- b. Pursuant to Section 4(b) of the Act and 35 IAC 201.282, every emission source or air pollution control equipment shall be subject to the following testing requirements for the purpose of determining the nature and quantities of specified air contaminant emissions and for the purpose of determining ground level and ambient air concentrations of such air contaminants:
  - i. **Testing by Owner or Operator:** The IEPA may require the Owner or Operator of the emission source or air pollution control equipment to conduct such tests in accordance with procedures adopted by the IEPA, at such reasonable times as may be specified by the IEPA and at the expense of the Owner or Operator of the emission source or air pollution control equipment. All such tests shall be made by or under the direction of a person qualified by training and/or experience in the field of air pollution testing. The IEPA shall have the right to observe all aspects of such tests.
  - ii. **Testing by the IEPA:** The IEPA shall have the right to conduct such tests at any time at its own expense. Upon request of the IEPA, the Owner or Operator of the emission source or air pollution control equipment shall provide, without charge to the IEPA, necessary holes in stacks or ducts and other safe and proper testing facilities, including scaffolding, but excluding instruments and sensing devices, as may be necessary.

**5. Recordkeeping**

**a. Control Equipment Maintenance Records**

Pursuant to Section 39.5(7)(b) of the Act, a maintenance record shall be kept on the premises for each item of air pollution control equipment. At a minimum, this record shall show the dates maintenance was performed and the nature of preventative maintenance activities.

**b. Retention of Records**

- i. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. [Section 39.5(7)(e)(ii) of the Act]
- ii. Pursuant to Section 39.5(7)(a) of the Act, other records required by this permit including any logs, plans, procedures, or instructions required to be kept by this permit shall be retained for a period of at least 5 years from the date of entry unless a different period is specified by a particular permit provision.

**c. Availability of Records**

- i. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall retrieve and provide paper copies, or as electronic media, any records retained in an electronic format (e.g., computer) in response to an IEPA or USEPA request during the course of a source inspection.
- ii. Pursuant to Section 39.5(7)(a) of the Act, upon written request by the IEPA for copies of records or reports required to be kept by this permit, the Permittee shall promptly submit a copy of such material to the IEPA. For this purpose, material shall be submitted to the IEPA within 30 days unless additional time is provided by the IEPA or the Permittee believes that the volume and nature of

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requested material would make this overly burdensome, in which case, the Permittee shall respond within 30 days with the explanation and a schedule for submittal of the requested material. (See also Condition 2.9(d))

**6. Certification**

**a. Compliance Certification**

- i. Pursuant to Section 39.5(7)(p)(v)(C) of the Act, the source shall submit annual compliance certifications by May 1 unless a different date is specified by an applicable requirement or by a particular permit condition. The annual compliance certifications shall include the following:
  - A. The identification of each term or condition of this permit that is the basis of the certification.
  - B. The compliance status.
  - C. Whether compliance was continuous or intermittent.
  - D. The method(s) used for determining the compliance status of the source, both currently and over the reporting period consistent with the conditions of this permit.
- ii. Pursuant to Section 39.5(7)(p)(v)(D) of the Act, all compliance certifications shall be submitted to USEPA Region 5 in Chicago as well as to the IEPA Compliance Section. Addresses are included in Attachment 3.
- iii. Pursuant to Section 39.5(7)(p)(i) of the Act, all compliance reports required to be submitted shall include a certification in accordance with Condition 2.6(b).

**b. Certification by a Responsible Official**

Any document (including reports) required to be submitted by this permit shall contain a certification by the responsible official of the source that meets the requirements of Section 39.5(5) of the Act and applicable regulations. [Section 39.5(7)(p)(i) of the Act]. An example Certification by a Responsible Official is included in Attachment 4 of this permit.

**7. Permit Shield**

- a. Pursuant to Section 39.5(7)(j) of the Act, except as provided in Condition 2.7(b) below, the source has requested and has been granted a permit shield. This permit shield provides that compliance with the conditions of this permit shall be deemed compliance with applicable requirements which were applicable as of the date the proposed permit for this source was issued, provided that either the applicable requirements are specifically identified within this permit, or the IEPA, in acting on this permit application, has determined that other requirements specifically identified are not applicable to this source and this determination (or a concise summary thereof) is included in this permit. This permit shield does not extend to applicable requirements which are promulgated after May 8, 2014 (date USEPA notice started), unless this permit has been modified to reflect such new requirements.
- b. Pursuant to Section 39.5(7)(j) of the Act, this permit and the terms and conditions herein do not affect the Permittee's past and/or continuing obligation with respect to statutory or regulatory requirements governing major source construction or modification under Title I of the CAA. Further, neither the issuance of this permit nor any of the terms or conditions of the permit shall alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance.

- c. Pursuant to Section 39.5(7)(a) of the Act, the issuance of this permit by the IEPA does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the IEPA or the USEPA may have against the applicant including, but not limited to, any enforcement action authorized pursuant to the provision of applicable federal and state law.

**8. Title I Conditions**

Pursuant to Sections 39(a), 39(f), and 39.5(7)(a) of the Act, as generally identified below, this CAAPP permit may contain certain conditions that relate to requirements arising from the construction or modification of emission units at this source. These requirements derive from permitting programs authorized under Title I of the Clean Air Act (CAA) and regulations thereunder, and Title X of the Illinois Environmental Protection Act (Act) and regulations implementing the same. Such requirements, including the New Source Review programs for both major (i.e., PSD and nonattainment areas) and minor sources, are implemented by the IEPA.

- a. This permit may contain conditions that reflect requirements originally established in construction permits previously issued for this source. These conditions include requirements from preconstruction permits issued pursuant to regulations approved or promulgated by USEPA under Title I of the CAA, as well as requirements contained within construction permits issued pursuant to state law authority under Title X of the Act. Accordingly, all such conditions are incorporated into this CAAPP permit by virtue of being either an "applicable Clean Air Act requirement" or an "applicable requirement" in accordance with Section 39.5 of the Act. These conditions are identifiable herein by a designation to their origin of authority.
- b. This permit may contain conditions that reflect necessary revisions to requirements established for this source in preconstruction permits previously issued under the authority of Title I of the CAA. These conditions are specifically designated herein as "TIR".
  - i. Revisions to original Title I permit conditions are incorporated into this permit through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.
  - ii. Revised Title I permit conditions shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant's request.
- c. This permit may contain conditions that reflect new requirements for this source that would ordinarily derive from a preconstruction permit established under the authority of Title I of the CAA. These conditions are specifically designated herein as "TIN".
  - i. The incorporation of new Title I requirements into this CAAPP permit is authorized through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.
  - ii. Any Title I conditions that are newly incorporated shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant's request.

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## 9. Reopening and Revising Permit

### a. Permit Actions

This permit may be modified, revoked, reopened and reissued, or terminated for cause in accordance with applicable provisions of Section 39.5 of the Act. The filing of a request by the source 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. [Section 39.5(7)(o)(iii) of the Act]

### b. Reopening and Revision

Pursuant to Section 39.5(15)(a) of the Act, this permit must be reopened and revised if any of the following occur:

- i. Additional requirements become applicable to the equipment covered by this permit and three or more years remain before expiration of this permit;
- ii. Additional requirements become applicable to the source for acid deposition under the acid rain program;
- iii. The IEPA or USEPA determines that this permit contains a material mistake or that an inaccurate statement was made in establishing the emission standards or limitations, or other terms or conditions of this permit; or
- iv. The IEPA or USEPA determines that this permit must be revised or revoked to ensure compliance with the applicable requirements.

### c. Inaccurate Application

Pursuant to Sections 39.5(5)(e) and (i) of the Act, the IEPA has issued this permit based upon the information submitted by the source in the permit application referenced on page 1 of this permit. Any misinformation, false statement or misrepresentation in the application shall be grounds for revocation or reopening of this CAAPP under Section 39.5(15) of the Act.

### d. Duty to Provide Information

The source shall furnish to the IEPA, within a reasonable time specified by the IEPA any information that the IEPA may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the source shall also furnish to the IEPA copies of records required to be kept by this permit. [Section 39.5(7)(o)(v) of the Act]

## 10. Emissions Trading Programs

No permit revision shall be required for increases in emissions allowed under any USEPA approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for elsewhere in this permit and that are authorized by the applicable requirement. [Section 39.5(7)(o)(vii) of the Act]

## 11. Permit Renewal

- a. Upon the expiration of this permit, if the source is operated, it shall be deemed to be operating without a permit unless a timely and complete CAAPP application has been submitted for renewal of this permit. However, if a timely and complete application to renew this CAAPP permit has been submitted, the terms and all conditions of the most recent issued CAAPP permit will remain in effect until the issuance of a renewal permit. [Sections 39.5(5)(1) and (o) of the Act]

- b. For purposes of permit renewal, a timely application is one that is submitted no less than 9 months prior to the date of permit expiration. [Section 39.5(5)(n) of the Act]

**12. Permanent Shutdown**

Pursuant to Section 39.5(7)(a) of the Act, this permit only covers emission units and control equipment while physically present at the source location(s). Unless this permit specifically provides for equipment relocation, this permit is void for the operation or activity of any item of equipment on the date it is removed from the permitted location(s) or permanently shut down. This permit expires if all equipment is removed from the permitted location(s), notwithstanding the expiration date specified on this permit.

**13. Startup, Shutdown, and Malfunction**

Pursuant to Section 39.5(7)(a) of the Act, in the event of an action to enforce the terms or conditions of this permit, this permit does not prohibit a Permittee from invoking any affirmative defense that is provided by the applicable law or rule.

## Section 3 - Source Requirements

### 1. Applicable Requirements

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements. These requirements are applicable to all emission units (including insignificant activities unless specified otherwise in this Section) at the source.

#### a. Fugitive Particulate Matter

- i. Pursuant to 35 IAC 212.301 and 35 IAC 212.314, no person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith at a point beyond the property line of the source unless the wind speed is greater than 25 mph.
- ii. Compliance Method (Fugitive Particulate Matter)

Upon request by the IEPA, the Permittee shall conduct observations at the property line of the source for visible emissions of fugitive particulate matter from the source to address compliance with 35 IAC 212.301. For this purpose, daily observations shall be conducted for a week for particular area(s) of concern at the source, as specified in the request, observations shall begin either within one day or three days of receipt of a written request from the IEPA, depending, respectively, upon whether observations will be conducted by employees of the Permittee or a third-party observer hired by the Permittee to conduct observations on its behalf. The Permittee shall keep records for these observations, including identity of the observer, the date and time of observations, the location(s) from which observations were made, and duration of any fugitive emissions event(s).

#### b. Emissions Reduction Market System (ERMS)

Pursuant to 35 IAC Part 205, this source is considered a "participating source" for purposes of the ERMS. The allotment of ATUs to this source is 699 ATUs per seasonal allotment period. The Permittee shall comply with all applicable requirements in Section 7.3 of this permit.

#### c. Ozone Depleting Substances

Pursuant to 40 CFR 82.150(b), the Permittee shall comply with the standards for recycling and emissions reduction of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

- i. Pursuant to 40 CFR 82.156, persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices.
- ii. Pursuant to 40 CFR 82.158, equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment.
- iii. Pursuant to 40 CFR 82.161, persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program.
- iv. Pursuant to 40 CFR 82 Subpart B, any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner shall comply with 40 CFR 82 Subpart B, Servicing of Motor Vehicle Air Conditioners.

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- v. Pursuant to 40 CFR 82.166, all persons shall comply with the reporting and recordkeeping requirements of 40 CFR 82.166.

**d. Asbestos Demolition and Renovation**

- i. Asbestos Fees. Pursuant to Section 9.13(a) of the Act, for any site for which the Owner or Operator must file an original 10-day notice of intent to renovate or demolish pursuant to Condition 3.1(d)(ii) below and 40 CFR 61.145(b), the owner or operator shall pay to the IEPA with the filing of each 10-day notice a fee of \$150.
- ii. Pursuant to 40 CFR 61 Subpart M, Standard of Asbestos, prior to any demolition or renovation at this facility, the Permittee shall fulfill notification requirements of 40 CFR 61.145(b).
- iii. Pursuant to 40 CFR 61.145(c), during demolition or renovation, the Permittee shall comply with the procedures for asbestos emission control established by 40 CFR 61.145(c).

**e. NESHAP Standards (40 CFR 63 Subpart DDDDD)**

Pursuant to 40 CFR 63.7495(b), no later than January 31, 2016, the source must:

- i. Meet the applicable general provisions of 40 CFR 63 Subpart A. See Condition 7.4(b).
- ii. Have a one-time energy assessment performed on the source as specified in 40 CFR 63 Subpart DDDDD Table 3 Condition 4, pursuant to 40 CFR 63.7500(a)(1).

**f. Future Emission Standards**

Pursuant to Section 39.5(15)(a) of the Act, this source shall comply with any new or revised applicable future standards of 40 CFR 60, 61, 62, or 63; or 35 IAC Subtitle B after the date issued of this permit. The Permittee shall, in accordance with the applicable regulation(s), comply with the applicable requirements by the date(s) specified and shall certify compliance with the applicable requirements of such regulation(s) as part of the annual compliance certification, as required by Condition 2.6(a). This permit may also have to be revised or reopened to address such new regulations in accordance to Condition 2.9.

**2. Applicable Plans and Programs**

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements. These requirements are applicable to all emission units (including insignificant activities unless specified otherwise in this Section) at the source.

**a. Fugitive PM Operating Program**

- i. Pursuant to 35 IAC 212.309, this source shall be operated under the provisions of Fugitive PM Operating Program prepared by the Permittee and submitted to the IEPA for its review. The Fugitive PM Operating Program shall be designed to significantly reduce fugitive particulate matter emissions, pursuant to 35 IAC 212.309(a). The Permittee shall comply with the Fugitive PM Operating Program and any amendments to the Fugitive PM Operating Program submitted pursuant to Condition 3.2(a)(ii). As a minimum, the Fugitive PM Operating Program shall include provisions identified in 35 IAC 212.310(a) through (g) and the following:
  - A. A detailed description of the best management practices utilized to achieve compliance with 35 IAC 212.304 through 212.308.
  - B. Estimated frequency of application of dust suppressants by location.

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- C. Such other information as may be necessary to facilitate the IEPA's review of the Fugitive PM Operating Program.
- ii. Pursuant to 35 IAC 212.312, the Fugitive PM Operating Program shall be amended from time to time by the Permittee so that the Fugitive PM Operating Program is current. Such amendments shall be consistent with the requirements set forth by this Condition 3.2(a) and shall be submitted to the IEPA within 30 days of such amendment. Any future revision to the Fugitive PM Operating Program made by the Permittee during the permit term is automatically incorporated by reference provided the revision is not expressly disapproved, in writing, by the IEPA within 30 days of receipt of the revision. In the event that the IEPA notifies the Permittee of a deficiency with any revision to the Fugitive PM Operating Program, the Permittee shall be required to revise and resubmit the Fugitive PM Operating Program within 30 days of receipt of notification to address the deficiency pursuant to Section 39.5(7)(a) of the Act.
- iii. The Fugitive PM Operating Program, as submitted by the Permittee on 8/21/2013, is incorporated herein by reference. The document constitutes the formal Fugitive PM Operating Program required under 35 IAC 212.310, addressing the control of fugitive particulate matter emissions from all plant roadways, including the iron-making and steel-making roads, storage piles, access areas near storage piles, and other subject operations located at the facility that are subject to 35 IAC 212.309.
- iv. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep a copy of the Fugitive PM Operating Program, any amendments or revisions to the Fugitive PM Operating Program (as required by Condition 3.2(a)), and the Permittee shall also keep a record of activities completed according to the Fugitive PM Operating Program.

**b. PM<sub>10</sub> Contingency Measure Plan**

Should this source become subject to 35 IAC 212.700, then the Permittee shall prepare and operate under a PM<sub>10</sub> Contingency Measure Plan reflecting the PM<sub>10</sub> emission reductions as set forth in 35 IAC 212.701 and 212.703. The Permittee shall, within 90 days after the date this source becomes subject to 35 IAC 212.700, submit a request to modify this CAAPP permit in order to include a new, appropriate PM<sub>10</sub> Contingency Measure Plan.

**c. Episode Action Plan**

- i. Pursuant to 35 IAC 244.141, the Permittee shall have on file with the IEPA an Episode Action Plan for reducing the levels of emissions during yellow alerts, red alerts, and emergencies, consistent with safe operating procedures. The Episode Action Plan shall contain the information specified in 35 IAC 244.144.
- ii. The Permittee shall immediately implement the appropriate steps described in the Episode Action Plan should an air pollution alert or emergency be declared, as required by 35 IAC 244.169, or as may otherwise be required under 35 IAC 244, Appendix D.
- iii. Pursuant to 35 IAC 244.143(d), if an operational change occurs at the source which invalidates the Episode Action Plan, a revised Episode Action Plan shall be submitted to the IEPA for review within 30 days of the change and is automatically incorporated by reference provided the revision is not expressly disapproved, in writing, by the IEPA within 30 days of receipt of the revision. In the event that the IEPA notifies the Permittee of a deficiency with any revision to the Episode Action Plan, the Permittee shall be required to revise and resubmit the Episode Action Plan within 30 days of receipt of notification to address the deficiency pursuant to Section 39.5(7)(a) of the Act.

- iv. The Episode Action Plan, as submitted by the Permittee on August 21, 2013, is incorporated herein by reference. The document constitutes the formal Episode Action Plan required by 35 IAC 244.142, addressing the actions that will be implemented to reduce SO<sub>2</sub>, PM<sub>10</sub>, NO<sub>2</sub>, CO and VOM emissions from various emissions units in the event of a yellow alert, red alert or emergency issued under 35 IAC 244.161 through 244.165.
- v. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep a copy of the Episode Action Plan, any amendments or revisions to the Episode Action Plan (as required by Condition 3.2(c)), and the Permittee shall also keep a record of activities completed according to the Episode Action Plan.

**d. Risk Management Plan (RMP)**

Should this stationary source, as defined in 40 CFR 68.3, become subject to the federal regulations for Chemical Accident Prevention in 40 CFR Part 68, then the Permittee shall submit a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR 68.10(a); or submit 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, as part of the annual compliance certification required by Condition 2.6(a). This condition is imposed in this permit pursuant to 40 CFR 68.215(a)(2)(i) and (ii).

**3. Title I Requirements**

As of the date of issuance of this permit, there are no source-wide Title I requirements that need to be included in this Condition.

**4. Synthetic Minor Limits**

As of the date of issuance of this permit, there are no source-wide synthetic minor limits that need to be included in this Condition.

**5. Reporting Requirements**

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

**a. Prompt Reporting**

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows:
  - I. Requirements in Conditions 3.1(a)(i), 3.1(b), 3.1(c), 3.1(d), 3.1(e), and 3.1(f).
  - II. Requirements in Conditions 3.2(a), 3.2(b), 3.2(c), and 3.2(d).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.

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- C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.
- iv. All deviation reports required in this Permit shall be identified, summarized, and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

**b. Semiannual Reporting**

- i. Pursuant to Section 39.5(7)(f)(i) of the Act, the Permittee shall submit Semiannual Monitoring Reports to the IEPA, Air Compliance Section, summarizing required monitoring as part of the Compliance Methods in this Permit submitted every six months as follows, unless more frequent reporting is required in other parts of this permit.

<u>Monitoring Period</u>	<u>Report Due Date</u>
January through June	July 31
July through December	January 31

- ii. The Semiannual Monitoring Report must be certified by a Responsible Official consistent with Condition 2.6(b).

**c. Annual Emissions Reporting**

Pursuant to 35 IAC Part 254, the Source shall submit an Annual Emission Report to the Air Quality Planning Section, due by May 1 of the year following the calendar year in which the emissions took place. All records and calculations upon which the verified and reported data are based must be retained by the source.

## Section 4 - Emission Unit Requirements

### 4.1 Coil Coating Lines with Afterburners

#### 1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Coating Lines #2 Consisting of a Prime and a Finish Coater with Ovens	PM, SO <sub>2</sub> , VOM, and HAPs	1973	N/A	Afterburner #1, Afterburner #2 And Permanent Total Enclosure	Combustion Temperature Monitors
Coating Lines #4 Consisting of a Prime and a Finish Coater with Ovens	PM, SO <sub>2</sub> , VOM, and HAPs	Prior to 1981	N/A	Afterburner #3, Afterburner #4, and Permanent Total Enclosure	Combustion Temperature Monitors
Line 4 Mezzanine Consisting of Prime Coater with Oven	PM, NO <sub>x</sub> , CO, SO <sub>2</sub> , VOM, and HAPs	2011	N/A	Mezz. Afterburner and Permanent Total Enclosure	Combustion Temperature Monitors

#### 2. Applicable Requirements

For the emission units in Condition 4.1.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

##### a. i. Opacity Requirements

A. Pursuant to 35 IAC 212.123(a) no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122.

##### ii. Compliance Method (Opacity Requirements)

###### Monitoring

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform observations for opacity on each coating line, oven, or common stack in accordance with Method 22 for visible emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the coating line or oven, maintenance and repair and/or adjustment of the operation. If corrective action was taken the Permittee shall perform a follow-up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 shall be conducted within one week in accordance with Condition 2.4.

###### Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for each observation for opacity conducted. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

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C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for all opacity measurements made in accordance with USEPA Method 9.

**b. i. Particulate Matter Requirements (PM)**

- A. Pursuant to 35 IAC 212.321(a), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, to exceed the allowable emission rates specified in 35 IAC 212.321(c) (See also Section 7.2(a)).
- B. Pursuant to Construction Permit #11050029, emissions associated with combustion from Line 4 Mezzanine Prime Coater oven and afterburner shall not exceed the following limits. [T1]

<u>Pollutant</u>	<u>Emissions (Lbs/Hour)</u>	<u>(Tons/Year)</u>
PM	0.2	0.7

**ii. Compliance Method (PM Requirements)**

Monitoring

- A. Sufficient periodic monitoring is established in Condition 4.1.2(h)(ii)(F)-(G) and 4.1.2(i)(ii).
- B. Pursuant to Section 39.5(7)(d) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month average).

Recordkeeping

- C. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall keep the following records related to PM emissions:
  - I. The hours of operation of the coil coating lines, ovens and afterburners (hours/mo and hours/yr).
  - II. A file containing the method used by the Permittee to determine allowable emission rate of PM in lbs/hr, with supporting documentation.
  - III. The emissions of PM from the coating line ovens and afterburners, tons/mo and tons/yr (12 month rolling average), with supporting calculations.

**c. i. Nitrogen Oxide Requirements (NO<sub>x</sub>)**

- A. Pursuant to Construction Permit #11050029, emissions associated with combustion from Line 4 Mezzanine Prime Coater oven and afterburner shall not exceed the following limits. [T1]

<u>Pollutant</u>	<u>Emissions (Lbs/Hour)</u>	<u>(Tons/Year)</u>
NO <sub>x</sub>	2.0	8.6

ii. Compliance Method (NO<sub>x</sub> Requirements)

Monitoring

- A. Sufficient periodic monitoring is established in Condition 4.1.2(h)(ii)(F)-(G) and 4.1.2(i)(ii).
- B. Pursuant to Section 39.5(7)(d) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month average).

Recordkeeping

- C. Pursuant to 39.5(7)(a) of the Act, the Permittee shall keep the following records related to NO<sub>x</sub> emissions:
  - I. A file containing the method used by the Permittee to determine emissions of NO<sub>x</sub> from the Line 4 Mezzanine Prime Coater, with supporting documentation.
  - II. The NO<sub>x</sub> emissions based on fuel consumption from Line 4 Mezzanine Prime Coater oven and afterburner with supporting calculations (tons/month and tons/year).
- D. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

d. i. Carbon Monoxide Requirements (CO)

- A. Pursuant to Construction Permit #11050029, emissions associated with combustion from Line 4 Mezzanine Prime Coater oven and afterburner shall not exceed the following limits. [T1]

<u>Pollutant</u>	<u>Emissions</u> <u>(Lbs/Hour)</u>	<u>(Tons/Year)</u>
CO	1.6	7.3

ii. Compliance Method (CO Requirements)

Monitoring

- A. Sufficient periodic monitoring is established in Condition 4.1.2(h)(ii)(F)-(G) and 4.1.2(i)(ii).
- B. Pursuant to Section 39.5(7)(d) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month average).

Recordkeeping

- C. Pursuant to 39.5(7)(a) of the Act, the Permittee shall keep the following records related to CO emissions:
  - I. A file containing the method used by the Permittee to determine emissions of CO from the Line 4 Mezzanine Prime Coater, with supporting documentation.

II. The CO emissions based on fuel consumption from Line 4 Mezzanine Prime Coater oven and afterburner with supporting calculations (ton/month and ton/year).

e. i. **Sulfur Dioxide Requirements (SO<sub>2</sub>)**

- A. Pursuant to 35 IAC 214.301, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to exceed 2000 ppm.
- B. Pursuant to Construction Permit #11050029, emissions associated with combustion from Line 4 Mezzanine Prime Coater oven and afterburner shall not exceed the following limits. [T1]

<u>Pollutant</u>	<u>Emissions</u>	
	<u>(Lbs/Hour)</u>	<u>(Tons/Year)</u>
SO <sub>2</sub>	0.1	0.44

ii. **Periodic Monitoring Compliance Method (SO<sub>2</sub> Requirements)**

Monitoring

- A. Sufficient periodic monitoring is established in Condition 4.1.2(h)(ii)(F)-(G) and 4.1.2(i)(ii).
- B. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month average).

Recordkeeping

- C. Pursuant to Section 39.5(7)(b) of the Act the Permittee shall maintain records of:
  - I. A file containing the method used by the Permittee to determine emissions of SO<sub>2</sub>, with supporting documentation.
  - II. The SO<sub>2</sub> emissions based on fuel consumption from Line 4 Mezzanine Prime Coater oven and afterburner with supporting calculations (tons/month and tons/year).
- D. Pursuant to Section 39.5(7)(a) of the Act, the Permittee keep on file a document from the gas company certifying the sulfur content in the supplied natural gas does not exceed 2000 ppm.

f. i. **Volatile Organic Material Requirements (VOM)**

- A. Line 4 Mezzanine Prime Coater is subject to NSPS Standards 40 CFR 60 Subparts A and TT.
  - I. Pursuant to 40 CFR 60.1, the provisions of 40 CFR 60 Subpart A apply to Line 4 Mezzanine Prime Coater.
  - II. Pursuant to 40 CFR 60.462(a)(3), the Permittee shall not allow the discharge into the atmosphere of more than 10 percent of the VOC's applied for each calendar month from Line 4 Mezzanine Prime Coater (90 percent emission reduction).
- B. Pursuant to 35 IAC 218.207(b)(1), the coating lines shall be equipped with a capture system and control device that provides 81 percent reduction in the

**Section 4 - Emission Unit Requirements**  
**4.1 - Coil Coating Lines with Afterburners**

overall emissions of VOM from the Coating Lines and the control device has a 90 percent efficiency.

C. Pursuant to Construction Permit #95030105 (rev. 2009) and Operating Permit #96030091 (rev. 2010), Coating Lines 2 and 4 are subject to the following: [T1]

- I. The capture system and control system for coating lines shall be operated to achieve a minimum of 98% reduction in overall emissions of VOM (combination of capture and control efficiency).
- II. The capture system and the afterburners shall be operated at all times that coating lines are in operation, notwithstanding 35 IAC 218.107. However, the afterburners are not required to be operating when processing coatings containing no VOM.
- III. A rolling three hour average at or above 1400°F shall be maintained in the afterburner's combustion chambers, during operation of the coating lines. The afterburner combustion chamber temperature may be operated at a lower temperature if compliance can be demonstrated through a stack test at the lower temperature.
- IV. VOM usage and emissions for Coating Lines 2 and 4 shall not exceed the following limits:

Emission Unit	Overall Control Efficiency	Coating VOM Usage	Coating VOM Emissions
	%	Tons/Month	Tons/Month
Line 2 prime coater	98	322.5	6.5
Line 2 finish coater			
Line 4 prime coater			
Line 4 finish coater			

Emission Unit	Cleanup Solvent VOM Emissions	VOM Emissions	
	Tons/Month	Tons/Month	Tons/Year
Line 2 prime coater	1.8	8.2	98.0
Line 2 finish coater			
Line 4 prime coater			
Line 4 finish coater			

D. Pursuant to Construction Permit #11050029 [T1]

- I. The enclosure installed on Line 4 Mezzanine Prime Coater shall meet the requirements of Permanent Total Enclosure, which are established in USEPA Method 204. As a result, the capture efficiency of VOM on the coating line is assumed to be 100 percent.
- II. The capture system and control system for Line 4 Mezzanine Prime Coater shall be operated so that VOM emissions are reduced by 98 percent, by weight.
- III. VOM usage for Line 4 Mezzanine Prime Coater shall not exceed 51 tons/month and 510 tons/year.
- IV. VOM emissions from Line 4 Mezzanine Prime Coater shall not exceed 1.1 tons/month and 10.7 tons/year.

NOTE: VOM usage and emission limits for Line 4 Mezzanine Prime Coater do not address use of cleaning solvent, which are addressed by Section 4.3 of this permit.

ii. Compliance Method (VOM Requirements)

Monitoring

- A. Pursuant to 39.5(7)(a) of the Act and 40 CFR 60.464(c), for Line 4 Mezzanine Prime Coater, the Permittee shall calibrate, operate and maintain a device that continuously records the combustion temperature of any effluent gases incinerated. The Permittee shall also record all periods (during actual coating operations) in excess of 3 hours during which the average temperature in any thermal afterburner used to control emissions remains more than 28°C (50°F) below the temperature at which compliance with Condition 4.1.2(f)(i)(A)(II) was demonstrated during the most recent performance test required by Permit Condition 4.1.2(f)(ii)(F).
- B. Pursuant to 35 IAC 218.105(d), an owner or operator that uses an afterburner to comply with any Section of 35 IAC Part 218 shall comply with the following:
  - I. Use an Illinois EPA and USEPA approved continuous monitoring equipment which is installed, calibrated, maintained, and operated according to vendor specifications at all times the control device is in use. The continuous monitoring equipment must monitor the combustion chamber temperature of each afterburner.
  - II. Install, calibrate, operate and maintain, in accordance with manufacturer's specifications, a continuous recorder on the temperature monitoring device, such as a strip chart, recorder or computer, having an accuracy of ± 1 percent of the temperature measured in degrees Celsius or ± 0.5°C, whichever is greater.
- C. Pursuant to Construction Permit #95030105 and #11050029, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month average).

Testing

- D. Pursuant to 40 CFR 60.463(b), the Permittee shall determine the monthly volume-weighted average emissions of VOC'S from Line 4 Mezzanine Prime Coater in kg (or lbs) of coating solid applied for each calendar month using the procedures in 40 CFR 60.463(c)(2), providing control device and capture system operating conditions have not changed.
- E. Pursuant to 35 IAC 218.105(a), upon request the VOM content of coatings shall be determined by Method 24, 40 CFR Part 60, Appendix A. Method 24 testing provided by the manufacturer is sufficient for this requirement.
- F. Pursuant to 39.5(7)(b) and (d) of the Act, the Permittee must test the coating lines capture system and control device for compliance with the limitations in Condition 4.1.2(f)(i)(C) and (D) as specified below:
  - I. The Permittee must verify the capture system meet the specifications of Permanent Total Enclosure (PTE) given in Method 204 of Appendix M of 40 CFR 51 within 5 years of the issue date of this permit and every 20 years thereafter.

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- II. The control device destruction efficiency must be tested in accordance with 35 IAC 218.105(d) within 2.5 years of the issue date of this permit and every 5 years thereafter.
  - III. The capture system efficiency and control device destruction efficiency must be retested within 180 calendar days of any capture system modification or control device replacement which would impact previously completed analysis results.
- G. Pursuant to Section 39.5(7)(d) of the Act and Construction Permit #95030105, within 90 days of a written request from the Illinois EPA, tests shall be performed that will allow evaluation of compliance of any existing line, with 35 IAC 218.207(b)(1) and Conditions 4.1.2(f)(i)(C) and (D). [T1]
- I. These tests shall be performed by an approved testing service, under conditions which are representative of maximum emissions.
  - II. These tests shall be performed to measure overall VOM control efficiency, determined by comparing the VOM in applied coatings as measured by USEPA Method 204F at the prime and finish coaters to the fugitive TTE enclosures exhaust (uncontrolled) and the afterburners exhausts (controlled) as measured by USEPA Reference Method 18 or 25. Any other VOM test methods used shall be test methods listed in 35 IAC 218.105.
  - III. Construction Permit #95030105 allows the use of USEPA Method 204F, which is an alternative test method.
- H. The Permittee must comply with the requirements of Sections 7.1 for any testing completed to satisfy the requirements of this permit.

Recordkeeping

- I. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain the following records for Line 4 Mezzanine Prime Coater:
  - I. Applicable notification and recordkeeping requirements of the NSPS, 40 CFR 60.7, 60.464 and 60.465.
  - II. Monthly VOM emissions. These values shall be calculated by using the procedures specified in 40 CFR 60.463(c)(2).
- J. Pursuant to 35 IAC 218.211(e)(2), the Permittee shall comply with the following recordkeeping requirements:
  - I. Daily exit temperature for each afterburner.
  - II. A log of operating for the capture systems, control devices, and associated coating line.
  - III. A maintenance log for the capture systems, control devices, monitoring equipment detailing all routine and nonroutine maintenance performed including dates and duration of any outages.
- K. Pursuant to Construction Permit #95030105, the Permittee shall maintain records of the following items: [T1]
  - I. Time and date VOM coating begins and ends and the total gallons applied.

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- II. Time and date no-VOM coating begins and ends and the total gallons applied.
- III. Coating VOM usage from all coatings including reducing solvents for Lines 2 and 4 combined (tons/month and tons/year).
- IV. Cleanup solvents usage as calculated by the difference in purchased cleanup solvent and cleanup solvent remaining in inventory (tons/month and tons/year).
- V. Coating VOM emissions from each coater as calculated by the actual solvent usage and the overall control efficiency as tested and indicated in Condition 4.1.2(f) (i) (C) (V) (tons/month and tons/year).
- VI. VOM emissions from cleanup solvents as calculated by the difference in cleanup solvents usage and reclaimed cleanup solvent shipped offsite for reprocessing (tons/month and tons/year).
- L. Pursuant to Section 39.5(7) (b) of the Act, the Permittee shall maintain the following records.
  - I. All data and calculations used to determine monthly VOM solvent usage and VOM emissions.
  - II. VOM content testing results, formulation data, or manufacturer supplied testing information.
- M. Pursuant to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, the coating lines are subject to 40 CFR Part 64. The Permittee shall comply with the monitoring requirements of the CAM Plan described in Condition 7.5 and Table 7.5.1, pursuant to 40 CFR Part 64 as submitted in the Permittee's CAM plan application. At all times, the Owner or Operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment, pursuant to 40 CFR 64.7(a) and (b).

**g. i. Hazardous Air Pollutant Requirements (HAP)**

- A. The coating lines are subject to the NESHAP for Metal Coil Surface Coating Operations, 40 CFR 63 Subparts A and SSSS because coil coating lines are operated and this source is a major source of HAP emissions. Pursuant to 40 CFR 63.5120 each coil coating line must limit organic HAP emissions to one of the following levels:
  - I. No more than 2 percent of the organic HAP applied for each month during each 12-month compliance period (98 percent reduction);
  - II. No more than 0.046 kilogram (kg) of organic HAP per liter of solids applied during each 12-month compliance period; or
  - III. If using an oxidizer to control organic HAP emissions, operate the oxidizer such that an outlet organic HAP concentration of no greater than 20 parts per million by volume (ppmv) on a dry basis is achieved and the efficiency of the capture system is 100 percent.
- B. Pursuant to 40 CFR 63.5140(b), the Permittee must meet the applicable general provisions of 40 CFR 63 Subpart A as required in Permit Section 7.4(a).
- C. Pursuant to 40 CFR 63.5121, for any coil coating line for which an add-on control device is used the Permittee must meet the applicable operating

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Permit No.: 96030091

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**Section 4 - Emission Unit Requirements**  
**4.1 - Coil Coating Lines with Afterburners**

limits specified in Table 1 of 40 CFR 63 Subpart SSSS. The Permittee must establish the operating limits during the performance test according to the requirements in 40 CFR 63.5160(d)(3). The Permittee must meet the operating limits at all times after the limits are established.

ii. Compliance Method (HAP Requirements)

Monitoring and Testing

- A. Pursuant to 40 CFR 63.5120(b), and 40 CFR 63.5170(d), the Permittee must comply with the provisions of 40 CFR 63.5170(f)(1) to demonstrate compliance with the organic-HAP emission rate in Permit Condition 4.1.2(g)(i)(A).
- B. Pursuant to 40 CFR 63.5150(a)(3)(i) and 63.5170(f)(1)(ii), when complying with the requirements of the standards in 40 CFR 63.5120 through the use of an oxidizer and demonstrating continuous compliance through monitoring of an oxidizer operating parameter, the Permittee must comply with 40 CFR 63.5150(a)(3)(i-iii) as applicable.
- C. Pursuant to 40 CFR 63.5170(f)(1)(v), calculate the overall organic HAP control efficiency achieved using 40 CFR 63.5170(e)(2)(iv).
- D. To determine capture efficiency to meet the requirements of 40 CFR 63.5170(f)(1) the Permittee must determine capture efficiency using the procedures in 63.5150(e)(1, 2, or 3) as applicable.
- E. Pursuant to 40 CFR 63.5170(f)(1)(vi), when demonstrating compliance with the organic HAP emission rate based on solids applied, measure the mass of each coating material applied on each work station during the month.
- F. Pursuant to 40 CFR 63.5170(f)(1)(vii), when demonstrating compliance with the organic HAP emission rate based on solids applied, determine the organic HAP content of each coating material applied during the month following the procedure in 40 CFR 63.5160(b).
- G. Pursuant to 40 CFR 63.5170(f)(1)(viii), when demonstrating compliance with the organic HAP emission rate based on solids applied, determine the solids content of each coating material applied during the month following the procedure in 40 CFR 63.5160(c).
- H. Pursuant to 40 CFR 63.5170(f)(1)(ix), calculate the organic HAP emitted during the month for each month:
  - I. For each work station and its associated oxidizer, use 40 CFR 63.5170(e)(2)(viii).
  - II. For periods when the oxidizer has not operated within its established operating limit, the control device efficiency is determined to be zero.
- I. Pursuant to 40 CFR 63.5170(f)(1)(x), when demonstrating compliance with the organic HAP emission rate based on solids applied for the 12-month compliance period, calculate the organic HAP emission rate based on solids applied for the 12-month compliance period using 40 CFR 63.5170(e)(1)(ix).
- J. Pursuant to 40 CFR 63.5130(e), for the purpose of demonstrating continuous compliance, a compliance period consists of 12 months including the current month and the preceding 11 months.
- K. Pursuant to 40 CFR 63.5170(f)(1)(xi), the source is in compliance with 40 CFR 63.5120(a) if each oxidizer is operated such that the average operating

parameter value is greater than the operating parameter value established in 40 CFR 63.5150(a)(3) for each 3-hour period, and each capture system operating parameter average value is greater than or less than (as appropriate) the operating parameter value established in 40 CFR 63.5150(a)(4) for each 3-hour period; and one of the following requirements is met:

- I. The overall organic HAP control efficiency is 98 percent or greater for each; or
- II. The organic HAP emission rate based on solids applied is 0.046 kg organic HAP per liter solids applied or less for the 12-month compliance period.

Recordkeeping

- L. Pursuant to 40 CFR 63.5190, the Permittee must maintain the records specified in 40 CFR 63.5190(a) in accordance with 40 CFR 63.10(b)(1):
  - I. Records of the coating lines on which you used each compliance option and the time periods (beginning and ending dates and times) you used each option.
  - II. Records specified in 40 CFR 63.10(b)(2) of all measurements needed to demonstrate compliance with 40 CFR 63 Subpart SSSS, including:
    - 1. Control device and capture system operating parameter data in accordance with CFR 63.5150(a)(1), (3), and (4);
    - 2. Organic HAP content data for the purpose of demonstrating compliance in accordance with 40 CFR 63.5160(b);
    - 3. Volatile matter and solids content data for the purpose of demonstrating compliance in accordance with 40 CFR 63.5160(c);
    - 4. Overall control efficiency determination or alternative outlet HAP concentration using capture efficiency tests and control device destruction or removal efficiency tests in accordance with 40 CFR 63.5160(d), (e), and (f); and
    - 5. Material usage, HAP usage, volatile matter usage, and solids usage and compliance demonstrations using these data in accordance with 40 CFR 63.5170(a), (b), and (d);
  - III. Records specified in 40 CFR 63.10(b)(3); and
  - IV. Additional records specified in 40 CFR 63.10(c) for each continuous monitoring system operated by the Permittee.

**h. i. Operational and Production Requirements**

- A. Pursuant to 40 CFR 63.5121, the Permittee must meet the operating limits in 40 CFR 63 Subpart SSSS Table 1 for emission capture system which requires developing a monitoring plan in accordance with 40 CFR 63.5150(a)(4).
- B. Pursuant to 40 CFR 63.5160(d)(3)(i) & 40 CFR 63.5170(f)(1)(i), the Permittee must establish operating limits as specified in the CAM Plan for the afterburners in accordance with 40 CFR 63.5160(d)(3)(i)(A) and (B).

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- C. Pursuant to 40 CFR 60.462(a)(3), the Permittee shall ensure Line 4 Mezzanine Prime Coater continuously uses an emission control device(s) operated at the most recently demonstrated overall efficiency.
  - D. Pursuant to Construction Permit #11050029, the rated firing rate of Line 4 Mezzanine Prime Coater oven and burner in the new afterburner, combined, shall not exceed 20 mmBtu/hour. [T1]
  - E. Pursuant to 39.5(7)(a) of the Act, the coil coating line curing ovens and associated afterburners shall only be operated with pipeline quality natural gas.
- ii. Compliance Method (Operational and Production Requirements)

Monitoring and Testing

- A. Pursuant to 40 CFR 63.5150(a)(3) and 40 CFR 63.5170(f)(1)(ii), whenever the coating lines emission control devices are operated, the Permittee must do the following:
  - I. Calibrate, maintain, and operate temperature monitoring equipment according to manufacturer's specifications. The calibration of the chart recorder, data logger, or temperature indicator must be verified every 3 months; or the chart recorder, data logger, or temperature indicator must be replaced. You must replace the equipment either if you choose not to perform the calibration, or if the equipment cannot be calibrated properly. Each temperature monitoring device must be equipped with a continuous recorder. The device must have an accuracy of  $\pm 1$  percent of the temperature being monitored in degrees Celsius, or  $\pm 1^\circ$  Celsius, whichever is greater.
  - II. For an oxidizer to demonstrate continuous compliance with an operating limit the thermocouple or temperature sensor must be in the combustion chamber in the combustion chamber at a location in the combustion Zone.
- B. Pursuant to 40 CFR 63.5150(a)(4) and 63.5170(f)(1)(iv), when complying with the requirements of the standards in 40 CFR 63.5120 through the use of a capture system and control device, the Permittee must develop a capture system monitoring plan containing the information specified in 40 CFR 63.5150(a)(4)(i-ii). The Permittee must monitor the capture system in accordance with 40 CFR 63.5150(a)(4)(iii).
- C. Pursuant to 40 CFR 63.5160(d)(3)(i)(A), during the performance test, the Permittee must monitor and record the combustion temperature at least once every 15 minutes during each of the three test runs. The Permittee must monitor the temperature in the firebox of the thermal oxidizer or immediately downstream of the firebox before any substantial heat exchange occurs.

Recordkeeping

- E. Pursuant to 40 CFR 63.5190 (a)(2)(ii) and 40 CFR 63.10(b)(2), the Permittee must maintain records of all measurements needed to demonstrate compliance with control device and capture system operating data in accordance with Permit Conditions 4.1.2(h)(ii)(A - B).
- F. Pursuant to 40 CFR 63.5160(d)(3)(i)(B), the Permittee must use the data collected during the performance test to calculate and record the average combustion temperature maintained during the performance test. This average

combustion temperature is the minimum operating limit for the thermal oxidizer.

- G. Pursuant to Construction Permit #11050029, the Permittee shall maintain a file that contains the rated firing rate for Line 4 Mezzanine Prime Coater oven and afterburner (mmBtu/hour). [T1]
- H. Pursuant to Section 39.5(7)(b) of the Act the Permittee shall maintain records of:
  - I. The hours of operation of the ovens and associated afterburners (hours/month);
  - II. Type and quantity of fuel fired in the ovens and associated afterburners (mmscf/month);
  - III. Certification documents from the gas supplier.

**i. i. Work Practice Requirements**

- A. Pursuant to 39.5(7)(d) of the Act, at all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any emission unit including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
- B. Pursuant to Construction Permit #95030105 (rev. 2009), the Permittee shall not cause or allow VOM containing cleaning materials, including used cleaning towels, to be kept, stored or disposed of in any manner other than in closed containers. [T1]

**ii. Compliance Method (Work Practice Requirements)**

Monitoring

- A. Pursuant to Section 39.5(7)(a) of the Act, at a minimum, the Permittee shall perform monthly inspections of the coil coating lines and associated auxiliary equipment.

Recordkeeping

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of each inspection performed along with a maintenance and repair log. These records shall include, at a minimum: date and time inspections were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections, operation and maintenance procedures, and a description of all maintenance and repair activities performed including if the activity resulted in a modification or reconstruction of the piece of equipment.
- C. Keep a copy of the good air pollution control practices used to comply with Condition 4.1.2(i)(i)(A).

**3. Non-Applicability Determinations**

- a. The coil coating lines are not subject to the National Emission Standards for Hazardous Air Pollution (NESHAP), 40 CFR Part 63 Subpart JJJJ, because the plant is operated under

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National Emission Standards for Hazardous Air Pollution (NESHAP), 40 CFR Part 63 Subpart SSSS and the coating lines are not considered web coating line as defined in 40 CFR 63.3300.

- b. Pursuant to 35 IAC 214.304, the coil coating lines curing ovens are not subject to 35 IAC 214 Subpart B through F, because the ovens burn exclusively natural gas and are located inside the Chicago major metropolitan area.
- c. The coil coating lines curing ovens are not subject to 35 IAC 216.121, because the ovens are not fuel combustion emission units as defined by 35 IAC 211.2470.
- d. The coil coating lines curing ovens are not subject to 35 IAC 217.141, because the ovens are not fuel combustion emission units as defined by 35 IAC 211.2470.
- e. The coil coating lines curing ovens are not subject to 35 IAC 217.180, because the ovens are not process heaters as defined by 35 IAC 211.5195.
- f. The coating lines are not subject to the emission limitations of 35 IAC 218.301 or 218.302 because these general requirements do not apply to coating operations subject to the emission limitations of 35 IAC 218.204.
- g. The coil coating lines are not subject to 35 IAC 218 Subpart TT, because coil coating is a specified category in 35 IAC 218 Subpart F which are specifically excluded pursuant to 35 IAC 218.980.
- h. The coil coating lines are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources of HAPs because the coil coating lines are subject to a NESHAP proposed after November 15, 1990, pursuant to 40 CFR 64.2(b)(1)(i).
- i. The coil coating lines are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources of PM and SO<sub>2</sub>, because the coil coating lines do not use an add-on control device to achieve compliance with these emission limitations or standards.
- j. Coating lines #2 and #4, excluding Coating Line 4 Mezzanine Prime Coater, are not subject to 40 CFR 60 Subpart TT New Source Performance Standards for Coil Coating, because the coating lines were installed prior to January 5, 1981.

**4. Other Requirements**

For the emission units in Condition 4.1.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

**a. i. Title I Requirements (Construction Permit 11050029) [T1]**

- A. Pursuant to Construction Permit #11050029, CO<sub>2</sub>e emissions from Line 4 Mezzanine Prime Coater shall not exceed the following limits.

<u>Pollutant</u>	<u>Emissions (Tons/Year)</u>
CO <sub>2</sub> e	11,000

**ii. Compliance Method (CO<sub>2</sub>e Requirements)**

- A. Pursuant to 39.5(7)(a) of the Act, the Permittee shall keep the following records related to CO<sub>2</sub>e emissions:
  - I. A file containing the method used by the Permittee to determine emissions of CO<sub>2</sub>e from the Line 4 Mezzanine Prime Coater, with supporting documentation.

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- II. The CO<sub>2</sub>e emissions based on fuel consumption from Line 4 Mezzanine Prime Coater with supporting calculations (tons/month and tons/year).
- B. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

## 5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

### a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Conditions 4.1.2(a)(i), 4.1.2(b)(i), 4.1.2(c)(i), 4.1.2(d)(i), 4.1.2(e)(i), 4.1.2(f)(i), 4.1.2(g)(i), 4.1.2(h)(i), and 4.1.2(i)(i).
  - II. Requirements in Conditions 4.1.4(a)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.

### b. Federal Reporting

- i. Pursuant to 40 CFR 60.465(d), for the Coating Line 4 Mezzanine Prime Coater the Permittee shall submit reports to the Administrator semiannually when the thermal incinerator temperature drops as defined under 40 CFR 60.464(c) and Condition 4.1.2(d)(ii)(A). If no such periods occur, the Permittee shall state this in the report.
- ii. Pursuant to 40 CFR 63.5180, the Permittee must Submit the reports specified below to the IEPA Regional Office that serves the territory and to the IEPA State Office:
  - A. A Notification of Performance Test as specified in 40 CFR 63.7, 40 CFR 63.9(e), and 40 CFR 63.5180(c);
  - B. Performance Test Reports as specified in 40 CFR 63.10(d)(2) and 40 CFR 63.5180(e);

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- C. Startup, Shutdown and Malfunction Reports as specified in 40 CFR 63.10(d)(5) and 40 CFR 63.5180(f)(1-2);
- D. A semi-annual compliance report containing the information specified in 40 CFR 63.5180(g)(1) and (2); and
- E. For each deviation occurring at the affected source, information specified in 40 CFR 63.5180(h)(1) through (3).

**4.2 Natural Gas-fired Boilers**

**1. Emission Units and Operations**

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Standby Boiler #1	CO	Prior to 1981	N/A	None	None
Standby Boiler #2	CO	Prior to 1981	N/A	None	None

**2. Applicable Requirements**

For the emission units in Condition 4.2.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

**a. i. Opacity Requirements**

A. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided in 35 IAC 212.123(b) and 212.124.

**ii. Compliance Method (Opacity Requirements)**

**Monitoring**

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform observations for opacity on the boiler in accordance with Method 22 for visible emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the boiler, maintenance and repair, and/or adjustment of fuel usage. If corrective action was taken, the Permittee shall perform a follow up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

**Recordkeeping**

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for each opacity observation performed. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

C. Pursuant to Section 39.5(7)(b) of the Act, if required, the Permittee shall keep records for all opacity measurements made in accordance with Method 9.

**b. i. Carbon Monoxide Requirements (CO)**

A. Pursuant to 35 IAC 216.121, no person shall cause or allow the emission of carbon monoxide (CO) into the atmosphere from any fuel combustion emission source with actual heat input greater than 2.9 MW (10 mmBtu/hr) to exceed 200 ppm, corrected to 50 percent excess air.

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- B. Pursuant to 40 CFR 63.7595(b), the Permittee must comply with 40 CFR 63 Subpart DDDDD no later than January 31, 2016.

ii. Compliance Method (CO Requirements)

Monitoring

- A. Pursuant to 40 CFR 63.7540(a)(10), following January 31, 2016, the Permittee shall comply with the following tune-up requirements for each boiler and conduct such tune-ups annually:
- I. As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;
  - II. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.
  - III. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly. (The Permittee may delay the inspection until the next scheduled unit shutdown).
  - IV. Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available.
  - V. Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.
- B. Pursuant to Section 39.5(7)(a) of the Act, at a minimum, the Permittee shall perform monthly inspections of the boilers and associated auxiliary equipment.

Recordkeeping

- C. Pursuant to 40 CFR 63.7540(a)(10), following January 31, 2016, the Permittee shall keep the following records:
- I. The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler;
  - II. A description of any corrective actions taken as a part of the tune-up; and
  - III. The type and amount of fuel used over the 12 months prior to the annual adjustment, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.

- D. Pursuant to 40 CFR 63 Subpart DDDDD, following January 31, 2016, the source must meet the applicable recordkeeping requirements of 40 CFR 63.7555.
- E. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of each inspection performed along with a maintenance and repair log. These records shall include, at a minimum: date and time inspections were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections, operation and maintenance procedures, and a description of all maintenance and repair activities performed including if the activity resulted in a modification or reconstruction of the piece of equipment.

### 3. Non-Applicability Determinations

- a. Pursuant to 40 CFR 63.11193 and 63.11195(e), the boilers are not subject to the National Emission Standards for Hazardous Air Pollution (NESHAP), 40 CFR Part 63 Subpart JJJJJJ, because the boiler is located at a major source of HAPs and uses natural gas exclusively.
- b. The boilers are not subject to PM limitation in 35 IAC 212.206 because the boilers are not exclusively liquid fueled and are only fueled by natural gas.
- c. The boilers are not subject to PM-10 limitation in 35 IAC 212.210, because the boilers only use natural gas which is specifically excluded from the requirement.
- e. The boilers are not subject to the fugitive PM limitations in 35 IAC 212.316, because the boiler are located outside the area defined by 35 IAC 212.324(a)(1)(c).
- f. The boilers are not subject to PM limitation in 35 IAC 212.321 because the boilers are fuel combustion units as defined by 35 IAC 211.2470.
- g. The boilers are not subject to SO2 limitations in 35 IAC 214.141 or 214.161, because the boilers are not fueled by solid or liquid fuels and are only fueled by natural gas.
- h. The boilers are not subject to NOx limitations in 35 IAC 217.141, because the actual heat input of the boilers is less than 250 mmBtu/hr.
- i. The boilers are not subject NOx General Requirements in to 35 IAC 217.150, because the potential to emit NOx for the boilers is less than 100 tons per year.
- j. Pursuant to 35 IAC 218.303, the boilers are not subject to the VOM limitations in 35 IAC 218.301 and 218.302, because the boilers are fuel combustion emission unit as defined in 35 IAC 211.2470.
- k. The boilers are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources for any pollutant, because the boiler does not use an add-on control device to achieve compliance with an emission limitation or standard.
- l. The boilers are not subject to the New Source Performance Standards (NSPS) for Small Industrial Commerce Institutional Steam Generating Units, 40 CFR Part 60, Subpart Dc, because the boilers were constructed or reconstructed before Jun 9, 1989 pursuant to 40 CFR 60.40c(a).

### 4. Other Requirements

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

### 5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

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**a. Prompt Reporting**

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Conditions 4.2.2(a)(i), and 4.2.2(b)(i)
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.

**b. Federal Reporting**

- i. Pursuant to 40 CFR 63 Subpart DDDDD, no later than January 31, 2016, the source:
  - A. Must meet the applicable notification requirements of 40 CFR 63.7545 and 40 CFR 63 Subpart A; and
  - B. Must meet the applicable reporting requirements of 40 CFR 63.7550.

4.3 Cleanup Operations

**1. Emission Units and Operations**

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Cleanup Operations	VOM	N/A	N/A	Afterburner	Combustion Temperature Monitors

**2. Applicable Requirements**

For the emission unit in Condition 4.3.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7) (a), 39.5(7) (b), and 39.5(7) (d) of the Act.

**a. i. Volatile Organic Material Requirements (VOM)**

- A. Pursuant to 35 IAC 218.301, no person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere from any emission source, except as provided in Sections 218.302, 218.303, 218.304.
- B. Pursuant to 35 IAC 218.187(b) (3), Other Industrial Solvent Cleaning Operations, an afterburner shall be installed and operated that reduces VOM emissions from the cleaning operation by at least 85 percent overall.
- C. Pursuant to Construction Permit# 11050029, VOM usage for the cleanup operations shall not exceed 24 tons/month and 238 tons/year. [T1]
- D. Pursuant to Construction Permit# 11050029, VOM emissions from the cleanup operations shall not exceed 0.5 tons/month and 4.8 tons/year. [T1]
- E. Pursuant to Construction Permit# 11050029, at all times, the cleanup operations are in operation, emissions of VOM shall be controlled by the capture and control system on the coating line. [T1]
- F. Pursuant Section 39.5(7) (a) of the Act, the Permittee shall comply with the requirements for the capture and control system as established in Condition 4.1.2(f) (i) (C) (I)-(III) and 4.1.2(f) (i) (D) (I)-(II).

**ii. Compliance Method (VOM Requirements)**

Monitoring

- A. Pursuant to 35 IAC 218.105(d), an owner or operator that uses an afterburner to comply with any Section of 35 IAC 218 shall comply with the requirements in Condition 4.1.2(f) (ii) (B).
- B. Pursuant to Section 39.5(7) (d) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month average).

Testing

- C. Pursuant to Section 39.5(7) (d) of the Act and 35 IAC 218.187(g) (1), the Permittee shall conduct tests in accordance to Condition 4.1.2(f) (ii) (G).
- D. Pursuant to Section 39.5(7) (d) of the Act and 35 IAC 218.187(g) (4), for the afterburners, the methods and procedures of 35 IAC 218.105(d) through (f) shall be used for testing to demonstrate compliance with the requirements of

35 IAC 218.187(b)(3) as described in 35 IAC 218.187(g)(4)(A) through (D). The control device destruction efficiency must be tested within 2.5 years of the issue date of this permit and every 5 years thereafter.

- E. Pursuant to 39.5(7)(b) and (d) of the Act, the Permittee must test the coating lines capture system for compliance with the limitations in Condition 4.3.2(a)(i)(E) and (F) as specified in Condition 4.1.2(f)(ii)(F)(I).

Recordkeeping

- F. Pursuant to Section 39.5(b) and (d) of the Act, the Permittee shall keep the following records:
  - I. Total VOM solvent usage (gal/mo and gal/yr)
  - II. VOM content of each material used (lbs/gal).
  - III. Emissions of VOM for each operation (lbs/hr, tons/mo, and tons/yr, based on the actual monthly VOM usage), with supporting calculations.
- G. Pursuant to 35 IAC 218.187(e)(5)(C), the Permittee shall collect and record daily the following information for each cleanup operation subject to the requirements of 35 IAC 218.187 (b)(3):
  - I. Emissions control system monitoring data in accordance with 35 IAC 218.187(f), as applicable;
  - II. A log of operating time for the emissions control system, monitoring equipment, and the associated cleaning equipment;
  - III. A maintenance log for the emissions control system and monitoring equipment detailing all routine and non-routine maintenance performed, including dates and duration of any outages;
- H. Pursuant to Section 39.5(7)(b) and (d) of the Act, the Permittee shall keep records of testing results provided by the manufacturer for all cleaning solvents, cleaning solvent concentrates, and as-used cleaning solutions.
- I. Pursuant to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, the cleanup operations are subject to 40 CFR Part 64. The Permittee shall comply with the monitoring requirements of the CAM Plan described in Condition 7.5 and Table 7.5.2, pursuant to 40 CFR Part 64 as submitted in the Permittee's CAM plan application. At all times, the Owner or Operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment, pursuant to 40 CFR 64.7(a) and (b).

**b. i. Work Practice Requirements**

- A. Pursuant to 35 IAC 218.187(d), the cleanup operations are subject to the following requirements:
  - I. Cover open containers and properly cover and store applicators used to apply cleaning solvents.
  - II. Minimize air circulation around the cleanup operation.
  - III. Dispose of all used cleaning solutions, cleaning towels, and applicators used to apply cleaning solvents in closed containers.

IV. Utilize equipment practices that minimize emissions.

ii. Compliance Method (Work Practice Requirements)

Monitoring

A. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall conduct monthly inspections to ensure that containers used to dispose of all used cleaning solutions, cleaning towels, and applicators are equipped with a cover and this cover is closed when the solvents are being stored or not being used.

Recordkeeping

B. Pursuant to Section 39.5(7)(b) and (d) of the Act, the Permittee shall keep records of all inspections performed.

**3. Non-Applicability Determinations**

As of the date of issuance of this permit, non-applicability of regulations of concern are not set for the Cleanup Operations.

**4. Other Requirements**

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

**5. Reporting Requirements**

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

**a. Prompt Reporting**

i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:

I. Requirements in Conditions 4.3.2(a)(i), and 4.3.2(b)(i).

B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).

iii. The deviation reports shall contain at a minimum the following information:

A. Date and time of the deviation.

B. Emission unit(s) and/or operation involved.

C. The duration of the event.

D. Probable cause of the deviation.

E. Corrective actions or preventative measures taken.

b. State Reporting

- i. Pursuant to 35 IAC 218.187(e)(5), if testing of an emissions control system is conducted pursuant to 35 IAC 218.187(g), the Permittee shall, within 90 days after conducting such testing, submit a copy of all test results to the Illinois EPA and shall submit a certification to the Illinois EPA that includes the requirements of 35 IAC 218.187(e)(5)(i-iii).

**Section 5 - Additional Title I Requirements**

This Section is reserved for Title I requirements not specified in Sections 3 or 4. As of the date of issuance of this permit, there are no Title I requirements that need to be separately addressed in this Section.

## Section 6 - Insignificant Activities Requirements

### 1. Insignificant Activities Subject to Specific Regulations

This condition is reserved for insignificant activities, as defined in 35 IAC 201.210 and 201.211, which are subject to specific standards promulgated pursuant Sections 111, 112, 165, or 173 of the Clean Air Act, see Sections 9.1(d) and 39.5(6)(a) of the Act. As of the date of issuance of this permit, there are no such insignificant activities present at the source.

### 2. Insignificant Activities in 35 IAC 201.210(a)

In addition to any insignificant activities identified in Condition 6.1, the following additional activities at the source constitute insignificant activities pursuant to 35 IAC 201.210 and 201.211:

<i>Insignificant Activity</i>	<i>Number of Units</i>	<i>Insignificant Activity Category</i>
Emission unit not emitting more than 1.0 lb/hr of any regulated non-HAP air pollutant and 0.1 lb/hr of HAP in the absence of air emission control equipment, and not a process unit: 1-Solvent UST #T001 - underground storage tank (UST) 1-Solvent UST #T004 - UST 2-Wash Solvent Tanks - closed lid tanks 1-Waste Solvent - aboveground storage tank 1-Line 4 Finish Laminator 1-Line 2 Finish Laminator	7	35 IAC 201.210(a)(1) and 201.211
Direct combustion units used for comfort heating and fuel combustion emission units as further detailed in 35 IAC 201.210(a)(4). < 2.5 mmBtu/hr Natural gas fired space heaters	14	35 IAC 201.210(a)(4)
Storage tanks < 10,000 gallon with annual throughput < 100,000 gallon (not storing gasoline or any material listed as a HAP). Solvent UST #T002 -3,000 gal Isophorene undg. storage tank Solvent UST #T003 -3,000 gal SC 150 undg. storage tank Solvent UST #T005 -3,000 gal NaOH undg. storage tank	3	35 IAC 201.210(a)(10)

### 3. Insignificant Activities in 35 IAC 201.210(b)

Pursuant to 35 IAC 201.210, the source has identified insignificant activities as listed in 35 IAC 201.210(b)(1) through (28) as being present at the source. The source is not required to individually list the activities.

### 4. Applicable Requirements

Insignificant activities in Conditions 6.1 and 6.2 are subject to the following general regulatory limits notwithstanding status as insignificant activities. The Permittee shall comply with the following requirements, as applicable:

- a. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided in 35 IAC 212.123(b).
- b. Pursuant to 35 IAC 212.321 or 212.322 (see Conditions 7.2(a) and (b)), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units at a source or premises, exceed the allowable emission rates specified 35 IAC 212.321 or 212.322 and 35 IAC Part 266.

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- c. Pursuant to 35 IAC 214.301, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to exceed 2,000 ppm, except as provided in 35 IAC Part 214.
- d. Pursuant to 35 IAC 218.301, no person shall cause or allow the discharge of more than 8 lbs/hr of organic material into the atmosphere from any emission source, except as provided in 35 IAC 218.302, 218.303, 218.304 and the following exception: If no odor nuisance exists the limitation of 35 IAC 215 Subpart K shall apply only to photochemically reactive material.
- e. Pursuant to 35 IAC 218.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 250 gal, unless such tank is equipped with a permanent submerged loading pipe, submerged fill, or an equivalent device approved by the IEPA according to 35 IAC Part 201 or unless such tank is a pressure tank as described in 35 IAC 215.121(a) or is fitted with a recovery system as described in 35 IAC 215.121(b)(2). Exception as provided in 35 IAC 218.122(c): If no odor nuisance exists the limitations of 35 IAC 215.122 shall only apply to the loading of volatile organic liquid with a vapor pressure of 2.5 psia or greater at 70°F.
- f. Pursuant to 35 IAC 218.182, for each cold cleaning degreaser, the Permittee shall comply with the applicable equipment and operating requirements of 35 IAC 218.182, except as provided in 35 IAC 218.181.

**5. Compliance Method**

Pursuant to Section 39.5(7)(b) of the Act, the source shall maintain records of the following items for the insignificant activities in Conditions 6.1 and 6.2:

- a. List of all insignificant activities, including insignificant activities added as specified in Condition 6.6, the categories the insignificant activities fall under, and supporting calculations as needed for any insignificant activities listed in 35 IAC 201.210(a)(1) through (3).
- b. Potential to emit emission calculations before any air pollution control device for any insignificant activities listed in 35 IAC 201.210(a)(1) through (3).

**6. Notification Requirements for Insignificant Activities**

The source shall notify the IEPA accordingly to the addition of insignificant activities:

**a. Notification 7 Days in Advance**

- i. Pursuant to 35 IAC 201.212(b), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(1) and 201.211 and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. Addresses are included in Attachment 3. The notification shall include the following pursuant to 35 IAC 201.211(b):
  - A. A description of the emission unit including the function and expected operating schedule of the unit.
  - B. A description of any air pollution control equipment or control measures associated with the emission unit.
  - C. The emissions of regulated air pollutants in lbs/hr and tons/yr.
  - D. The means by which emissions were determined or estimated.
  - E. The estimated number of such emission units at the source.

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- F. Other information upon which the applicant relies to support treatment of such emission unit as an insignificant activity.
- ii. Pursuant to 35 IAC 201.212(b), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(2) through 201.210(a)(18) and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. Addresses are included in Attachment 3.
  - iii. Pursuant to Sections 39.5(12)(a)(i)(b) and 39.5(12)(b)(iii) of the Act, the permit shield described in Section 39.5(7)(j) of the Act (see Condition 2.7) shall not apply to any addition of an insignificant activity noted above.

**b. Notification Required at Renewal**

Pursuant to 35 IAC 201.212(a) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a) and is currently identified in Conditions 6.1 or 6.2, a notification is not required until the renewal of this permit.

**c. Notification Not Required**

Pursuant to 35 IAC 201.212(c) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(b) as describe in Condition 6.3, a notification is not required.

## Section 7 - Other Requirements

### 1. Testing

- a. Pursuant to Section 39.5(7)(a) of the Act, a written test protocol shall be submitted at least sixty (60) days prior to the actual date of testing, unless it is required otherwise in applicable state or federal statutes. The IEPA may at the discretion of the Compliance Section Manager (or designee) accept protocol less than 60 days prior to testing provided it does not interfere with the IEPA's ability to review and comment on the protocol and does not deviate from the applicable state or federal statutes. The protocol shall be submitted to the IEPA, Compliance Section and IEPA, Stack Test Specialist for its review. Addresses are included in Attachment 3. This protocol shall describe the specific procedures for testing, including as a minimum:
  - i. The name and identification of the emission unit(s) being tested.
  - ii. Purpose of the test, i.e., permit condition requirement, IEPA or USEPA requesting test.
  - iii. The person(s) who will be performing sampling and analysis and their experience with similar tests.
  - iv. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the emission unit and any control equipment will be determined.
  - v. The specific determinations of emissions and operation which are intended to be made, including sampling and monitoring locations.
  - vi. The test method(s) that will be used, with the specific analysis method, if the method can be used with different analysis methods. Include if emission tests averaging of 35 IAC 283 will be used.
  - vii. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.
  - viii. Any proposed use of an alternative test method, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.
  - ix. Sampling of materials, QA/QC procedures, inspections, etc.
- b. The IEPA, Compliance Section shall be notified prior to these tests to enable the IEPA to observe these tests pursuant to Section 39.7(a) of the Act as follows:
  - i. Notification of the expected date of testing shall be submitted in writing a minimum of thirty (30) days prior to the expected test date, unless it is required otherwise in applicable state or federal statutes.
  - ii. Notification of the actual date and expected time of testing shall be submitted in writing a minimum of five (5) working days prior to the actual date of the test. The IEPA may at its discretion of the Compliance Section Manager (or designee) accept notifications with shorter advance notice provided such notifications will not interfere with the IEPA's ability to observe testing.
- c. Copies of the Final Report(s) for these tests shall be submitted to the IEPA, Compliance Section within fourteen (14) days after the test results are compiled and finalized but

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no later than ninety (90) days after completion of the test, unless it is required otherwise in applicable state or federal statutes or the IEPA may at the discretion of the Compliance Section Manager (or designee) an alternative date is agreed upon in advance pursuant to Section 39.7(a) of the Act. The Final Report shall include as a minimum:

- i. General information including emission unit(s) tested.
  - ii. A summary of results.
  - iii. Discussion of conditions during each test run (malfunction/breakdown, startup/shutdown, abnormal processing, etc.).
  - iv. Description of test method(s), including description of sampling points, sampling train, analysis equipment, and test schedule.
  - v. Detailed description of test conditions, including:
    - A. Process information, i.e., mode(s) of operation, process rate, e.g. fuel or raw material consumption.
    - B. Control equipment information, i.e., equipment condition and operating parameters during testing.
    - C. A discussion of any preparatory actions taken, i.e., inspections, maintenance and repair.
  - vi. Data and calculations, including copies of all raw data sheets and records of laboratory analyses, sample calculations, and data on equipment calibration.
  - vii. An explanation of any discrepancies among individual tests or anomalous data.
  - viii. Results of the sampling of materials, QA/QC procedures, inspections, etc.
  - ix. Discussion of whether protocol was followed and description of any changes to the protocol if any occurred.
  - x. Demonstration of compliance showing whether test results are in compliance with applicable state or federal statutes.
- d. Copies of all test reports and other test related documentation shall be kept on site as required by Condition 2.5(b) pursuant to Section 39.5(7)(e)(ii) of the Act.

**2. PM Process Weight Rate Requirements**

**a. New Process Emission Units - 35 IAC 212.321**

New Process Emission Units For Which Construction or Modification Commenced On or After April 14, 1972. [35 IAC 212.321]

- i. No person shall cause or allow the emission of PM into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of PM from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, exceeds the allowable emission rates specified in 35 IAC 212.321(c). See Condition 7.2(a)(iii) below. [35 IAC 212.321(a)]
- ii. Interpolated and extrapolated values of the data in 35 IAC 212.321(c) shall be determined by using the equation: [35 IAC 212.321(b)]

$$E = A(P)^B$$

Where:

P = Process weight rate (T/hr)  
E = Allowable emission rate (lbs/hr)

A. Process weight rates of less than 450 T/hr:

A = 2.54  
B = 0.53

B. Process weight rates greater than or equal to 450 T/hr:

A = 24.8  
B = 0.16

iii. Limits for New Process Emission Units [35 IAC 212.321(c)]:

<u>P</u> <u>(T/hr)</u>	<u>E</u> <u>(lbs/hr)</u>	<u>P</u> <u>(T/hr)</u>	<u>E</u> <u>(lbs/hr)</u>
0.05	0.55	25.00	14.00
0.10	0.77	30.00	15.60
0.20	1.10	35.00	17.00
0.30	1.35	40.00	18.20
0.40	1.58	45.00	19.20
0.50	1.75	50.00	20.50
0.75	2.40	100.00	29.50
1.00	2.60	150.00	37.00
2.00	3.70	200.00	43.00
3.00	4.60	250.00	48.50
4.00	5.35	300.00	53.00
5.00	6.00	350.00	58.00
10.00	8.70	400.00	62.00
15.00	10.80	450.00	66.00
20.00	12.50	500.00	67.00

**3. Emissions Reduction Market System (ERMS) Requirements**

- a. Pursuant to 35 IAC Part 205, this source is considered a "participating source" for purposes of the ERMS.
- b. Obligation to Hold Allotment Trading Units (ATUs)
- i. Pursuant to 35 IAC 205.150(c)(1) and 35 IAC 205.720, and as further addressed by Condition 7.3(g), as of December 31 of each year, this source shall hold ATUs in its account in an amount not less than the ATU equivalent of its VOM emissions during the preceding seasonal allotment period (May 1 - September 30), not including VOM emissions from the following, or the source shall be subject to "emissions excursion compensation", as described in Condition 7.3(d):
- A. VOM emissions from insignificant emission units and activities as identified in Section 6 of this permit, in accordance with 35 IAC 205.220.
- B. Excess VOM emissions associated with startup, malfunction, or breakdown of an emission unit as authorized in Section 4 of this permit, in accordance with 35 IAC 205.225.
- C. Excess VOM emissions to the extent allowed by a Variance, Consent Order, or Compliance Schedule, in accordance with 35 IAC 205.320(e)(3).
- D. Excess VOM emissions that are a consequence of an emergency as approved by the IEPA, pursuant to 35 IAC 205.750.
- E. VOM emissions from certain new and modified emission units as addressed by Condition 7.3(g)(ii), if applicable, in accordance with 35 IAC 205.320(f).
- ii. In accordance with 35 IAC 205.150(c)(2), notwithstanding the Condition 7.3(b)(i) above, if a source commences operation of a major modification, pursuant to 35 IAC Part 203, the source shall hold ATUs in an amount not less than 1.3 times its seasonal VOM emissions attributable to such major modification during the seasonal allotment period, determined in accordance with the construction permit for such major modification or applicable provisions in Section 4 of this permit.
- c. Market Transactions
- i. As specified in 35 IAC 205.610(a), the source shall apply to the IEPA for and obtain authorization for a Transaction Account prior to conducting any market transactions.
- ii. Pursuant to 35 IAC 205.610(b), the Permittee shall promptly submit to the IEPA any revisions to the information submitted for its Transaction Account.
- iii. Pursuant to 35 IAC 205.620(a), the source shall have at least one account officer designated for its Transaction Account.
- iv. Any transfer of ATUs to or from the source from another source or general participant must be authorized by a qualified Account Officer designated by the source and approved by the IEPA, in accordance with 35 IAC 205.620, and the transfer must be submitted to the IEPA for entry into the Transaction Account database.
- d. Emissions Excursion Compensation
- Pursuant to 35 IAC 205.720, if the source fails to hold ATUs in accordance with Condition 7.3(b), it shall provide emissions excursion compensation in accordance with the following:

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- i. Upon receipt of an Excursion Compensation Notice issued by the IEPA, the source shall purchase ATUs from the ACMA in the amount specified by the notice, as follows:
    - A. The purchase of ATUs shall be in an amount equivalent to 1.2 times the emissions excursion; or
    - B. If the source had an emissions excursion for the seasonal allotment period immediately before the period for the present emissions excursion, the source shall purchase ATUs in an amount equivalent to 1.5 times the emissions excursion.
  - ii. If requested in accordance with paragraph 7.3(d)(iii) below or in the event that the ACMA balance is not adequate to cover the total emissions excursion amount, the IEPA will deduct ATUs equivalent to the specified amount or any remaining portion thereof from the ATUs to be issued to the source for the next seasonal allotment period.
  - iii. Pursuant to 35 IAC 205.720(c), within 15 days after receipt of an Excursion Compensation Notice, the Owner or Operator may request that ATUs equivalent to the amount specified be deducted from the source's next seasonal allotment by the IEPA, rather than purchased from the ACMA.
- e. Quantification of Seasonal VOM Emissions
- i. Pursuant to 35 IAC 205.315(b), the methods and procedures specified in Sections 3 and 4 of this permit for determining VOM emissions and compliance with VOM emission limitations shall be used for determining seasonal VOM emissions for purposes of the ERMS, with the following exceptions:

No exceptions
  - ii. In accordance with 35 IAC 205.750, the Permittee shall report emergency conditions at the source to the IEPA if the Permittee intends to deduct VOM emissions in excess of the technology-based emission rates normally achieved that are attributable to the emergency from the source's seasonal VOM emissions for purposes of the ERMS. These reports shall include the information specified by 35 IAC 205.750(a), and shall be submitted in accordance with the following:
    - A. An initial emergency conditions report within two days after the time when such excess emissions occurred due to the emergency.
    - B. A final emergency conditions report, if needed to supplement the initial report, within 10 days after the conclusion of the emergency.
- f. Annual Account Reporting
- i. Pursuant to 35 IAC 205.300, for each year in which the source is operational, the Permittee shall submit, as a component of its Annual Emissions Report, seasonal VOM emissions information to the IEPA for the seasonal allotment period. This report shall include the following information:
    - A. Actual seasonal emissions of VOM from the source.
    - B. A description of the methods and practices used to determine VOM emissions, as required by this permit, including any supporting documentation and calculations.
    - C. A detailed description of any monitoring methods that differ from the methods specified in this permit, as provided in 35 IAC 205.337.

- D. If a source has experienced an emergency, as provided in 35 IAC 205.750, the report shall reference the associated emergency conditions report that has been approved by the IEPA.
  - E. If a source's baseline emissions have been adjusted due to a Variance, Consent Order, or CAAPP permit Compliance Schedule, as provided for in 35 IAC 205.320(e)(3), the report shall provide documentation quantifying the excess VOM emissions during the season that were allowed by the Variance, Consent Order, or Compliance Schedule, in accordance with 35 IAC 205.320(e)(3).
  - F. If a source is operating a new or modified emission unit for which three years of operational data is not yet available, as specified in 35 IAC 205.320(f), the report shall specify seasonal VOM emissions attributable to the new emission unit or the modification of the emission unit.
- ii. This report shall be submitted by November 30 of each year, for the preceding seasonal allotment period.

g. Allotment of ATUs to the Source

- i.
  - A. The allotment of ATUs to this source is 699 ATUs per seasonal allotment period.
  - B. This allotment of ATUs reflects the IEPA's determination that the source's baseline emissions were 79.405 tons per season.
  - C. The source's allotment reflects 88% of the baseline emissions (12% reduction), except for the VOM emissions from specific emission units excluded from such reduction, pursuant to 35 IAC 205.405, including units complying with MACT or using BAT, as identified in Condition 7.3(i) of this permit.
  - D. ATUs will be issued to the source's Transaction Account by the IEPA annually. These ATUs will be valid for the seasonal allotment period following issuance and, if not retired in this season, the next seasonal allotment period.
- ii. Contingent Allotments for New or Modified Emission Units

The source was not issued a construction permit prior to January 1, 1998 for the following new or modified emission units:

<i>Emission Unit</i>	<i>Construction Permit No.</i>	<i>Date Issued</i>
Line #4 Prime Coater, Oven, and Afterburner	11050029	07/27/2011
Coating Line #2 Prime Oven	07090064	11/30/2007

In accordance with 35 IAC Part 205, for the above referenced emission units, the source is required to hold the appropriate amount of ATUs for these emission units.

- iii. Notwithstanding the above, part or all of the above ATUs will not be issued to the source in circumstances as set forth in 35 IAC Part 205, including:
  - A. Transfer of ATUs by the source to another participant or the ACMA, in accordance with 35 IAC 205.630.
  - B. Deduction of ATUs as a consequence of emissions excursion compensation, in accordance with 35 IAC 205.720.

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- C. Transfer of ATUs to the ACMA, as a consequence of shutdown of the source, in accordance with 35 IAC 205.410.

h. Recordkeeping for ERMS

Pursuant to 35 IAC 205.700(a), the Permittee shall maintain copies of the following documents as its Compliance Master File for purposes of the ERMS:

- i. Seasonal component of the Annual Emissions Report.
- ii. Information on actual VOM emissions, as specified in detail in Sections 3 and 4 of this permit and Condition 7.3(e)(i).
- iii. Any transfer agreements for the purchase or sale of ATUs and other documentation associated with the transfer of ATUs.

i. Exclusions from Further Reductions

- i. A. Pursuant to 35 IAC 205.405(a), VOM emissions from the following emission units shall be excluded from the VOM emissions reductions requirements specified in 35 IAC 205.400(c) and (e) as long as such emission units continue to satisfy the following:
  - I. Emission units that comply with any NESHAP or MACT standard promulgated pursuant to the CAA.
  - II. Direct combustion emission units designed and used for comfort heating purposes, fuel combustion emission units, and internal combustion engines.
  - III. An emission unit for which a LAER demonstration has been approved by the IEPA on or after November 15, 1990.
- B. Pursuant to 35 IAC 205.405(a) and (c), the source has demonstrated in its ERMS application and the IEPA has determined that the following emission units qualify for exclusion from further reductions because they meet the criteria as indicated above:

None
- ii. A. Pursuant to 35 IAC 205.405(b), VOM emissions from emission units using BAT for controlling VOM emissions shall not be subject to the VOM emissions reductions requirement specified in 35 IAC 205.400(c) or (e) as long as such emission unit continues to use such BAT.
- B. Pursuant to 35 IAC 205.405(b) and (c), the source has demonstrated in its ERMS application and the IEPA has determined that the following emission units qualify for exclusion from further reductions because these emission units use BAT for controlling VOM emissions as indicated above:

None

**4. 40 CFR 63 Subpart A Requirements (NESHAP)**

**a. 40 CFR 63 Subpart A and SSSS - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Coil**

Pursuant to 40 CFR 63 Subpart A and SSSS, the Permittee shall comply with the following applicable General Provisions as indicated:

<i>General Provision Citation</i>	<i>General Provision Applicable?</i>	<i>Subject of Citation</i>	<i>Explanation (if required)</i>
40 CFR 63.1	Yes	General Applicability of the General Provisions	All except 63.1(b)(1) and Reserved 63.1(a)(5), (a)(9), (c)(3), and (d)
40 CFR 63.2	Yes	Definitions	
40 CFR 63.3	Yes	Units and Abbreviations	
40 CFR 63.4	Yes	Prohibited Activities and Circumvention	All except Reserved 63.4(a)(4)
40 CFR 63.5	Yes	Preconstruction Review and Notification Requirements	Only total HAP emissions in terms of tons per year are required for 63.5(d)(1)(ii)(H), and all others except Reserved 63.5(b)(2), and (c)
40 CFR 63.6	Yes	Compliance with Standards and Maintenance Requirements	All except 63.6(e) & (h) and Reserved 63.6(b)(6), (c)(3-4), (d), and (i)(15)
40 CFR 63.7	Yes	Performance Testing Requirements	All except Reserved 63.7(a)(2)(vii-viii)
40 CFR 63.8	Yes	Monitoring Requirements	All except 63.8(c)(4-6), (d-e), (f)(6), (g)(5), and Reserved 63.8(a)(3)
40 CFR 63.9	Yes	Notification Requirements	63.5180(b)(1) provides 2 years for submittal of initial notifications from submittal requirements under 63.9(b)(2). All others except 63.9(f), (g), and Reserved 63.9(h)(4)
40 CFR 63.10	Yes	Recordkeeping and Reporting Requirements	All except 63.10(b)(2)(vi, x, xi & xiii), (c)(1-15), (d)(3), (e)
40 CFR 63.11	Yes	Control Device and Work Practice Requirements	
40 CFR 63.12	Yes	State Authority and Delegations	
40 CFR 63.13	Yes	Addresses of State Air Pollution Control Agencies and EPA Regional Offices	
40 CFR 63.14	Yes	Incorporations by Reference	
40 CFR 63.15	Yes	Availability of Information and Confidentiality	
40 CFR 63.16	Yes	Performance Track Provisions	

**b. 40 CFR 63 Subpart A and DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters**

Pursuant to 40 CFR 63 Subpart A and DDDDD, the Permittee shall comply with the following applicable General Provisions as indicated:

<i>General Provision Citation</i>	<i>General Provision Applicable?</i>	<i>Subject of Citation</i>	<i>Explanation (if required)</i>
40 CFR 63.1	Yes	General Applicability of the General Provisions	All except Reserved 63.1(a) (5, 7-9), (b) (2), (c) (3-4), and (d)
40 CFR 63.2	Yes	Definitions	
40 CFR 63.3	Yes	Units and Abbreviations	
40 CFR 63.4	Yes	Prohibited Activities and Circumvention	
40 CFR 63.5	Yes	Preconstruction Review and Notification Requirements	
40 CFR 63.6	Yes	Compliance with Standards and Maintenance Requirements	All except 63.6(e) (1) (i-ii), (e) (3), (f) (1), (h) (1), and Reserved 63.6(b) (6), (c) (3-4), (d), (e) (2), (e) (3) (i), (h) (3), and (h) (5) (iv)
40 CFR 63.7	Yes	Performance Testing Requirements	All except 63.7(e) (1)
40 CFR 63.8	Yes	Monitoring Requirements	All except 63.8 (c) (1) (i) & (iii), (d) (3) last sentence, and Reserved 63.8(a) (3)
40 CFR 63.9	Yes	Notification Requirements	All except Reserved 63.9(b) (3), and (h) (4)
40 CFR 63.10	Yes	Recordkeeping and Reporting Requirements	All except 63.10(b) (2) (ii), (iv-v), (b) (3), (c) (10-11, 15), (d) (3, 5), and Reserved 63.10(c) (2-4, 9)
40 CFR 63.11	No	Control Device and Work Practice Requirements	
40 CFR 63.12	Yes	State Authority and Delegations	
40 CFR 63.13	Yes	Addresses of State Air Pollution Control Agencies and EPA Regional Offices	
40 CFR 63.14	Yes	Incorporations by Reference	
40 CFR 63.15	Yes	Availability of Information and Confidentiality	
40 CFR 63.16	Yes	Performance Track Provisions	

**5. Compliance Assurance Monitoring (CAM) Requirements**

**a. CAM Provisions**

i. Proper Maintenance

Pursuant to 40 CFR 64.7(b), at all times, the source shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

ii. Continued Operation

Pursuant to 40 CFR 64.7(c), except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the source shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit (PSEU) is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of 40 CFR Part 64, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The source shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

iii. Response to Excursions or Exceedances

A. Pursuant to 40 CFR 64.7(d)(1), upon detecting an excursion or exceedance, the source shall restore operation of the PSEU (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

B. Pursuant to 40 CFR 64.7(d)(2), determination of whether the source has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device.

**b. Monitoring - Monitoring**

Pursuant to 40 CFR 64.7(a), the source shall comply with the monitoring requirements of the CAM Plans as described in 7.5(e) below, pursuant to 40 CFR Part 64 as submitted in the source's CAM plan application.

**c. Monitoring - Recordkeeping**

Pursuant to 40 CFR 64.9(b)(1), the source shall maintain records of the monitoring data, monitor performance data, corrective actions taken, monitoring equipment maintenance, and other supporting information related to the monitoring requirements established for CAM.

**d. Monitoring - Reporting**

Pursuant to Sections 39.5(7)(b) and (f) of the Act, the source shall submit the following reporting requirements:

i. Semiannual Reporting

As part of the required Semiannual Monitoring Reports, the source shall submit a CAM report including the following at a minimum:

- A. Summary information on the number, duration, and cause of excursions or exceedances, and the corrective actions taken pursuant to 40 CFR 64.6(c)(3) and 64.9(a)(2)(i).
- B. Summary information on the number, duration, and cause for monitoring equipment downtime incidents, other than downtime associated with calibration checks pursuant to 40 CFR 64.6(c)(3) and 64.9(a)(2)(ii).

**e. CAM Plans**

The following tables contain the CAM Plans in this CAAPP permit:

Table	Emission Unit Section	PSEU Designation	Pollutant
7.5.1	4.1	Coil Coating Lines with Afterburners including Cleaning Operations	VOM

**Table 7.5.1 - CAM Plan**

Emission Unit Section:	4.1
PSEU Designation:	Coil Coating Lines with Afterburners including Cleaning Operations
Pollutant:	VOM

Indicators:	#1) Chamber Temperature	#2) Work Practice
<b>General Criteria</b>		
The Monitoring Approach Used to Measure the Indicators:	Monitored with thermocouple	Periodic inspection, routine maintenance, and repair of defects for afterburner
The Indicator Range Which Provides a Reasonable Assurance of Compliance:	Chamber temperature maintained at or above: 1400°F for line 2 and 4 1300°F for Mezzanine Prime Coater	Annual inspections are conducted
Quality Improvement Plan (QIP) Threshold Levels:	Greater than 5% of the 3-hour combustion chamber temperature averages are below indicator range during the reporting period	N/A
<b>Performance Criteria</b>		
The Specifications for Obtaining Representative Data:	The sensor is located in the incinerator chamber as integral part of incinerator design. Device has an accuracy of ±1% of temperature being monitored (in degrees Celsius) or ± degrees Celsius, whichever is greater.	N/A
Verification Procedures to Confirm the Operational Status of the Monitoring:	Calibration of chart recorder, data logger, or temperature indicator is verified every 3 months, or chart recorders, data logger, or temperature indicator will be replaced. If conducting calibration and equipment cannot be calibrated properly, equipment will be replaced.	N/A
Quality Assurance and Quality Control (QA/QC) Practices that Ensure the Validity of the Data:	N/A	N/A
The Monitoring Frequency:	Continuous	Annual Inspection
The Data Collection Procedures That Will Be Used:	Recorded using continuous chart recorder	Maintenance log detailing all routine and non-routine maintenance and records of annual inspection results.
The Data Averaging Period For Determining Whether an Excursion or Exceedance Has Occurred:	3 hour	N/A

## Section 8 - State Only Requirements

### 1. Permitted Emissions for Fees

The annual emissions from the source for purposes of "Duties to Pay Fees" of Condition 2.3(e), not considering insignificant activities as addressed by Section 6, shall not exceed the following limitations. The overall source emissions shall be determined by adding emissions from all emission units. Compliance with these limits shall be determined on a calendar year basis. The Permittee shall maintain records with supporting calculations of how the annual emissions for fee purposes were calculated. This Condition is set for the purpose of establishing fees and is not federally enforceable. See Section 39.5(18) of the Act.

<i>Pollutant</i>		<i>Tons/Year</i>
Volatile Organic Material	(VOM)	168.34
Sulfur Dioxide	(SO <sub>2</sub> )	0.53
Particulate Matter	(PM)	2.36
Nitrogen Oxides	(NO <sub>x</sub> )	30.5
HAP, not included in VOM or PM	(HAP)	-----
Total		201.73

## Attachment 1 - List of Emission Units at This Source

<i>Section</i>	<i>Emission Units</i>	<i>Description</i>
4.1	Coating Lines #2	Consisting of a Prime and Finish Coater with Ovens, Afterburner #1 and #2
4.1	Coating Line #4	Consisting of a Prime and Finish Coater with Ovens, Afterburner #3 and #4
4.1	Line 4 Mezzanine Prime Coater	Consisting of a Prime Coater with Oven and Afterburner
4.2	Standby Boiler #1	25 Million Btu/hr natural Gas Boiler used to produce steam
4.2	Standby Boiler #2	25 Million Btu/hr natural Gas Boiler used to produce steam
4.3	Cleanup Operations	Cleaning operations associated with coating lines

## Attachment 2 - Acronyms and Abbreviations

acfm	Actual cubic feet per minute
ACMA	Alternative Compliance Market Account
Act	Illinois Environmental Protection Act [415 ILCS 5/1 et seq.]
AP-42	Compilation of Air Pollutant Emission Factors, Volume 1, Stationary Point and Other Sources (and Supplements A through F), USEPA, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711
ATU	Allotment trading unit
BACT	Best Available Control Technology
BAT	Best Available Technology
BTU	British Thermal Units
CAA	Clean Air Act [42 U.S.C. Section 7401 et seq.]
CAAPP	Clean Air Act Permit Program
CAIR	Clean Air Interstate Rule
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CISWI	Commercial Industrial Solid Waste Incinerator
CO	Carbon monoxide
CO <sub>2</sub>	Carbon dioxide
COMS	Continuous Opacity Monitoring System
CPMS	Continuous Parameter Monitoring System
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
EAF	Electric arc furnace
ERMS	Emissions Reduction Market System
°F	Degrees Fahrenheit
GHG	Green house gas
gr	Grains
HAP	Hazardous air pollutant
Hg	Mercury
HMIWI	Hospital medical infectious waste incinerator
HP	Horsepower
hr	Hour
H <sub>2</sub> S	Hydrogen sulfide
I.D. No.	Identification number of source, assigned by IEPA
IAC	Illinois Administrative Code
ILCS	Illinois Compiled Statutes
IEPA	Illinois Environmental Protection Agency
KW	Kilowatts
LAER	Lowest Achievable Emission Rate
lb	Pound

Material Sciences Corporation  
I.D. No.: 031440AGL  
Permit No.: 96030091

Date Received: 06/21/2010  
Date Issued: 06/23/2014

m	Meter
MACT	Maximum Achievable Control Technology
mm	Million
mon	Month
MSDS	Material Safety Data Sheet
MSSCAM	Major Stationary Sources Construction and Modification (Non-attainment New Source Review)
MW	Megawatts
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO <sub>x</sub>	Nitrogen oxides
NSPS	New Source Performance Standards
NSR	New Source Review
PM	Particulate matter
PM <sub>10</sub>	Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods
PM <sub>2.5</sub>	Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 microns as measured by applicable test or monitoring methods
ppm	Parts per million
ppmv	Parts per million by volume
PSD	Prevention of Significant Deterioration
PSEU	Pollutant-Specific Emission Unit
psia	Pounds per square inch absolute
PTE	Potential to emit
RACT	Reasonable Available Control Technology
RMP	Risk Management Plan
scf	Standard cubic feet
SCR	Selective catalytic reduction
SIP	State Implementation Plan
SO <sub>2</sub>	Sulfur dioxide
T1	Title I - identifies Title I conditions that have been carried over from an existing permit
T1N	Title I New - identifies Title I conditions that are being established in this permit
T1R	Title I Revised - identifies Title I conditions that have been carried over from an existing permit and subsequently revised in this permit
USEPA	United States Environmental Protection Agency
VOM	Volatile organic material

**Attachment 3 - Contact and Reporting Addresses**

<p style="text-align: center;">IEPA Compliance Section</p> <p style="text-align: center;">IEPA Stack Test Specialist</p> <p style="text-align: center;">IEPA Air Quality Planning Section</p> <p style="text-align: center;">IEPA Air Regional Field Operations Regional Office #1</p> <p style="text-align: center;">IEPA Permit Section</p>	<p>Illinois EPA, Bureau of Air Compliance &amp; Enforcement Section (MC 40) 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276</p> <p>Phone No.: 217/782-2113</p>
	<p>Illinois EPA, Bureau of Air Compliance Section Source Monitoring - Third Floor 9511 Harrison Street Des Plaines, Illinois 60016</p> <p>Phone No.: 847/294-4000</p>
	<p>Illinois EPA, Bureau of Air Air Quality Planning Section (MC 39) 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276</p> <p>Phone No.: 217/782-2113</p>
	<p>Illinois EPA, Bureau of Air Regional Office #1 9511 Harrison Street Des Plaines, Illinois 60016</p> <p>Phone No.: 847/294-4000</p>
	<p>Illinois EPA, Bureau of Air Permit Section (MC 11) 1021 North Grand Avenue East P.O. Box 19506 Springfield, Illinois 62794-9506</p> <p>Phone No.: 217/785-1705</p>
<p style="text-align: center;">USEPA Region 5 - Air Branch</p>	<p>USEPA (AR - 17J) Air and Radiation Division 77 West Jackson Boulevard Chicago, Illinois 60604</p> <p>Phone No.: 312/353-2000</p>

**Attachment 4 - Example Certification by a Responsible Official**

<b>SIGNATURE BLOCK</b>	
NOTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPONSIBLE OFFICIAL. APPLICATIONS WITHOUT A SIGNED CERTIFICATION WILL BE DEEMED AS INCOMPLETE.	
I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION CONTAINED IN THIS APPLICATION ARE TRUE, ACCURATE AND COMPLETE. ANY PERSON WHO KNOWINGLY MAKES A FALSE, FICTITIOUS, OR FRAUDULENT MATERIAL STATEMENT, ORALLY OR IN WRITING, TO THE ILLINOIS EPA COMMITS A CLASS 4 FELONY. A SECOND OR SUBSEQUENT OFFENSE AFTER CONVICTION IS A CLASS 3 FELONY. (415 ILCS 5/44(H))	
AUTHORIZED SIGNATURE:	
BY: _____	_____
AUTHORIZED SIGNATURE	TITLE OF SIGNATORY
_____	_____/_____/_____
TYPED OR PRINTED NAME OF SIGNATORY	DATE

Material Sciences Corporation  
I.D. No.: 031440AGL  
Permit No.: 96030091

Date Received: 06/21/2010  
Date Issued: 06/23/2014