Attention:

Ahlstrom Engine Filtration, LLC
Attn: Mike Hady, Plant Manager
1200 East Elm Street
Taylorville, Illinois 62568

State of Illinois

CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

Source:

Ahlstrom Engine Filtration, LLC
1200 East Elm Street
Taylorville, Illinois 62568

I.D. No.: 021816AAC
Permit No.: 02070042

Permitting Authority:

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

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19506, SPRINGFIELD, ILLINOIS 62794-9506 - (217) 782-2113

PAT QUINN, GOVERNOR LISA BONNETT, DIRECTOR

CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

Type of Application:	Renewal
Purpose of Application:	Renew Existing CAAPP Permit for 5 Years
ID No.:	021816AAC
Permit No.:	02070042
Statement of Basis No.:	02070042-2014/09
Date Application Received:	January 26, 2007
Date Issued:	November 24, 2014
Expiration Date:	November 24, 2019
Renewal Submittal Date:	9 Months Prior to November 24, 2019
Source Name:	Ahlstrom Engine Filtration, LLC
Address:	1200 East Elm Street
City:	Taylorville
County:	Christian
ZIP Code:	62568

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 Anatoly Belogorsky at 217/785-1705.

Raymond E. Pilapil

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

REP:MTR:AB:psj

cc: IEPA, Permit Section
IEPA, FOS, Region 2
Lotus Notes Database

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Section 1 - Source Information

1. Addresses

Source

Ahlstrom Engine Filtration, LLC
1200 East Elm Street
Taylorville, Illinois 62568

Owner

Ahlstrom Engine Filtration, LLC
1200 East Elm Street
Taylorville, Illinois 62568

Operator

Ahlstrom Engine Filtration, LLC
1200 East Elm Street
Taylorville, Illinois 62568

Permittee

The 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.

	Name	*Title*
Responsible Official	Mike Hady	Plant Manager
Delegated Authority	N/A	N/A

Other Contacts

	Name	*Phone No.*	*Email*
Source Contact	Shad Clayton	270/824-1566	Shad.Clayton@ahlstrom.com
Technical Contact	Shad Clayton	270/824-1566	Shad.Clayton@ahlstrom.com
Correspondence	Shad Clayton	270/824-1566	Shad.Clayton@ahlstrom.com
Billing	Mike Hady	217/287-5252	Mike.Hady@ahlstrom.com

3. Single Source

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

I.D. No.	*Permit No.*	*Single Source Name and Address*
N/A	N/A	N/A

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

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.

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

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

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 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 October 9, 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.

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)(l) 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 particular 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. 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.

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

c. 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).

d. **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 7.3(a).

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).

e. **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**

Should this source become subject to 35 IAC 212.302, the Permittee shall prepare and operate under a Fugitive PM Operating Program consistent with 35 IAC 212.310 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). Any future Fugitive PM Operating Program made by the Permittee during the permit term is automatically incorporated by reference provided the Fugitive PM Operating Program is not expressly disapproved, in writing, by the IEPA within 30 days of receipt of the Fugitive PM Operating Program. In the event that the IEPA notifies the Permittee of a deficiency with any 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.

b. **PM_{10} Contingency Measure Plan**

Should this source become subject to 35 IAC 212.700, then the Permittee shall prepare and operate under a PM_{10} Contingency Measure Plan reflecting the PM_{10} 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_{10} 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 May 15, 1995, 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 SO2, PM10, NO2, 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) and 3.1(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.

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.

Monitoring Period	Report Due Date
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.

d. **Federal Reporting**

i. NESHAP Reporting (40 CFR 63 Subpart DDDDD)

Pursuant to 40 CFR 63 Subpart DDDDD, the source must:

A. Include with the Notification of Compliance Status (40 CFR 63.9(h)(2)) a signed certification that the energy assessment was completed according to

40 CFR 63 Subpart DDDDD Table 3 and is an accurate depiction of the source, pursuant to 40 CFR 63.7530(e).

Section 4 - Emission Unit Requirements

4.1 Paper Manufacturing Line

1. Emission Units and Operations

Emission Units	*Pollutants Being Regulated*	*Original Construction Date*	*Modification/ Reconstruction Date*	*Air Pollution Control Devices or Measures*	*Monitoring Devices*
Paper Manufacturing Line					
Wet Strength Agent Tank	PM, VOM	1996	N/A	None	N/A
Dryer (15.0 mmBtu/hr)	PM, VOM, SO_2	1996	N/A	None	N/A
Paper Machine Dryer Section	PM, VOM, SO_2	1996	N/A	None	N/A

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, the Permittee shall perform visible emission observations from each individual stack or stacks associated with the paper manufacturing line in accordance with Method 22 on at least semi-annual basis. 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 operation, 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 visible emission observation and opacity reading performed in accordance with Condition 4.1.2(a)(ii)(A). 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.

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 for 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, which, at a source or premises, exceeds the allowable emission rates specified in 35 IAC 212.321(c) (See Condition 7.2).

ii. Compliance Method (PM Requirements)

Recordkeeping

A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of PM emissions from the paper manufacturing line, with supporting documentation and calculations.

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

A. Pursuant to 35 IAC 215.301, no owner or operator shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere. If no odor nuisance exists this limitation shall apply only to photochemically reactive material.

B. Pursuant to Construction Permit #96070071, emissions of VOM from the Paper Manufacturing Line shall not exceed 1.94 lbs/hr and 8.49 tons/yr. [T1]

ii. Compliance Method (VOM Requirements)

Monitoring

A. 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 months total). [T1]

B. Pursuant to Section 39.5(7)(b) of the Act, compliance with hourly emission limit of 35 IAC 215.301 shall be determined based on the 30-day rolling average.

Recordkeeping

C. Pursuant to Permits #96070071 and #02070042, the Permittee shall keep the following records related to VOM emissions, with supporting documentation and calculations:

I. VOM containing material usage on the paper manufacturing line (gal/hr), as determined by monthly emission calculations;

II. VOM content of materials used on the paper manufacturing line (lb VOM/gal), as determined by monthly emission calculations; and

III. VOM emissions from the paper line (lb/hr, lb/month and ton/year).

d. i. **Sulfur Dioxide Requirements (SO_2)**

A. Pursuant to 35 IAC 214.301, for a dryer, no person shall cause or allow the emission of sulfur dioxide into the atmosphere to exceed 2,000 ppm.

ii. Compliance Method (SO_2 Requirements)

Monitoring

A. Pursuant to Section 39.5(7)(a) of the Act, for the units fired with natural gas, the Permittee shall use pipeline quality natural gas with the sulfur content not exceeding 2000 ppm.

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep the following records related to pipeline quality natural gas:

I. Annual certification that only pipeline quality natural gas is used.

3. Non-Applicability Determinations

a. Pursuant to 40 CFR 63.3300 and 63.3310, the paper manufacturing line is not a web coating line and therefore not subject to 40 CFR Part 63 Subpart JJJJ.

b. Paper manufacturing line is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources because this line does not use an add-on control device to achieve compliance with an emission limitation or standard.

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 4.1(2)(a), 4.1(2)(b), 4.1(2)(c), and 4.1(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.

C. The duration of the event.

D. Probable cause of the deviation.

E. Corrective actions or preventative measures taken.

4.2 Saturator Line

1. Emission Units and Operations

Emission Units	*Pollutants Being Regulated*	*Original Construction Date*	*Modification/ Reconstruction Date*	*Air Pollution Control Devices or Measures*	*Monitoring Devices*
Saturator Line					
Water-based Resin Kitchen	PM, VOM	1996	N/A	None	
Solvent-based Resin Kitchen	PM, VOM	1996	2014	Regenerative Thermal Oxidizer	Temperature indicator
Water-based Resin Saturator Head	PM, VOM	1996	2014	Regenerative Thermal Oxidizer (optional, when non-compliant resins used)	Temperature indicator
Solvent-based Resin Saturator Head	PM, VOM	1996	2014	Regenerative Thermal Oxidizer	Temperature indicator
Cure Oven (12.0 mmBtu/hr)	PM, VOM, SO_2	1996	N/A	Regenerative Thermal Oxidizer (optional, when non-compliant resins used)	Temperature indicator

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.

ii. Compliance Method (Opacity Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, the Permittee shall perform visible emission observations from each individual stack or stacks associated with the saturator line in accordance with Method 22 on at least semi-annual basis. 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 operation, 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 visible emission observation and opacity reading performed in accordance with Condition 4.2.2(a)(ii)(A). 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.

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 for 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, which, at a source or premises, exceeds the allowable emission rates specified in 35 IAC 212.321(c) (See Condition 7.2).

B. Pursuant to Construction Permit #99100001, allowable PM emissions on shall not exceed 6.46 lb/hr. This limit is based on the maximum anticipated process weight rate for the paper saturator equal to 11,500 lb/hr and the relevant allowable emission rate established by 35 IAC 212.32. [T1]

ii. Compliance Method (PM Requirements)

Recordkeeping

A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of PM emissions from the saturator line, with supporting documentation and calculations.

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

A. The saturator line shall comply with either of the following options required by 35 IAC Part 215, Subpart F:

I. Pursuant to 35 IAC 215.204(c)(1), the VOM content in the applied coatings shall not exceed 2.9 pounds per gallon; or

II. Pursuant to 35 IAC 215.205(b), the control efficiency of the thermal oxidizer shall achieve 81% of the overall reduction of VOM emissions with destruction efficiency of the thermal oxidizer equal to 90%.

B. Pursuant to Construction Permit #99100001, emissions of VOM from the saturator line shall not exceed the following limits [T1]:

I. Total VOM emissions (controlled and uncontrolled) shall not exceed 40 tons/mo and 236 tons/yr.

II. Uncontrolled VOM emissions from the applied water-based resins shall not exceed 2.0 tons/mo and 25.0 tons/yr.

ii. Compliance Method (VOM Requirements)

Monitoring

A. See Condition 4.2(d)(ii) for monitoring of temperature of the RTO.

B. Pursuant to Construction Permit 99100001, the Permittee shall determine the VOM content of specific coatings and cleaning solvents used on the saturator as follows, at least on the annual basis or when such solvent/coating is introduced first time to the saturation process:

I. The VOM content of representative coatings "as applied" shall be determined according to USEPA Reference Methods 24 and 24A of 40 CFR 60 Appendix A and the procedures of 35 IAC 215.208.

II. This testing may be performed by the supplier of a material provided that the supplier provides appropriate documentation for such testing to the Permittee and the Permittee's records directly reflect the application of such material and separately account for any additions of solvent.

Testing

C. See Condition 4.2(d)(ii) for testing requirements of the RTO.

Recordkeeping

D. Pursuant to Construction Permit #99100001, the Permittee shall keep the following records related to VOM emissions:

I. A calendar month record of all coatings used and the results of the reference test method specified or the manufacturer's formulation data used for determining the VOC content of those coatings.

II. Records of the testing of VOM content of coatings and cleaning solvents used on the line, which includes the following:

1. Identification of material tested;

2. Results of analysis;

3. Documentation of analysis methodology; and

4. Person performing analysis.

III. VOM containing material usage on the saturator line (gallons/month) whenever solvent-based resin is used, as determined by monthly emission calculations.

IV. VOM content of materials used on the saturator line (% by weight) whenever solvent-based resin is used, as determined by monthly emission calculations.

V. VOM containing material usage on the saturator line (gallons/month) whenever water-based resin is used, as determined by monthly emission calculations.

VI. VOM content of materials used on the saturator line (% by weight) whenever water-based resin is used, as determined by monthly emission calculations.

VII. VOM emissions from the saturator line (lbs/month and tons/year) whenever water-based resin is used, as determined by monthly emission calculations.

VIII. Total VOM emissions (controlled and uncontrolled) from the saturator line, tons/month and tons/year, as determined by monthly emission calculations.

d. i. Hazardous Air Pollutant Requirements (HAP)

A. Pursuant to 40 CFR 63.3320(b)(1) through (b)(4), the saturator line shall not exceed the following limits:

I. Organic HAP emissions shall be no more than 5 percent of the organic HAP applied for each month (95 percent reduction; or

II. Organic HAP emissions shall be no more than 4 percent of the mass of coating materials applied for each month; or

III. Organic HAP emissions shall be no more than 20 percent of the mass of coating solids applied for each month; or

IV. If an oxidizer to control organic HAP emissions is used, the oxidizer must be operated such that an outlet organic HAP concentration of no greater than 20 parts per million by volume (ppmv) by compound on a dry basis is achieved and the efficiency of the capture system is 100 percent.

ii. Compliance Method (HAP Requirements)

Testing

A. Pursuant 40 CFR 63.3360(e), tests of the control efficiency of the thermal oxidizer shall be conducted in accordance with requirements of 40 CFR 63.3360(e)(1) and (e)(2) by using Methods 25 or 25A.

B. Pursuant to 40 CFR 63.3360(f), during such tests capture efficiency shall be determined by using Methods 204 and 204A.

C. Pursuant 40 CFR 63.3360(e)(3), during such tests the Permittee shall establish the operating limits for the thermal oxidizer by using the following procedure:

I. During the performance test, the Permittee shall monitor and record the combustion temperature at least once every 15 minutes during each of the three test runs. The Permittee shall monitor the temperature in the firebox of the thermal oxidizer or immediately downstream of the firebox before any substantial heat exchange occurs; and

II. 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.

D. Pursuant to Section 39.5(7)(a) of the Act, testing of the thermal oxidizer shall be conducted within 60 months after the issuance of this permit and every 60 months thereafter by following the requirements discussed above and the testing provisions of Section 7.1 of this permit.

Monitoring

E. Pursuant to 40 CFR 63.3350(e)(9), the Permittee shall comply with the following monitoring requirements for the thermal oxidizer:

I. Install, calibrate, maintain, and operate temperature monitoring equipment according to the 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. The Permittee

shall replace the equipment if the calibration is not performed or the equipment cannot be calibrated properly.

II. Install, calibrate, operate, and maintain a temperature monitoring device equipped with a continuous recorder. The device must have an accuracy of ±1 percent of the temperature being monitored in degrees Celsius, or ±1 °Celsius, whichever is greater. The thermocouple or temperature sensor must be installed in the combustion chamber at a location in the combustion zone.

F. Pursuant to 40 CFR 63.3350(f), the Permittee shall comply with the monitoring requirements for the capture system in accordance with the following of the requirements of the developed monitoring plan:

I. Identify the operating parameter to be monitored to ensure that the capture efficiency determined during the initial compliance test is maintained;

II. Explain why this parameter is appropriate for demonstrating ongoing compliance;

III. Identify the specific monitoring procedures.

IV. The monitoring plan must specify the operating parameter value or range of values that demonstrate compliance with the emission standards in 40 CFR 63.3320. The specified operating parameter value or range of values must represent the conditions present when the capture system is being properly operated and maintained.

V. The Permittee shall conduct all capture system monitoring in accordance with the plan.

VI. Any deviation from the operating parameter value or range of values which are monitored according to the plan will be considered a deviation from the operating limit.

VII. The Permittee shall review and update the capture system monitoring plan at least annually.

G. *Continuous parameter monitoring system (CPMS).* Pursuant to 40 CFR 63.3350(e), If the Permittee is using a control device to comply with the emission standards in 40 CFR 63.3320, the Permittee shall install, operate, and maintain each CPMS specified in 40 CFR 63.3350(e)(9), (10) and 63.3350(f) according to the following requirements 40 CFR 63.3350(e)(1) through (8). The Permittee shall install, operate, and maintain each CPMS specified in 40 CFR 63.3350(c) according to paragraphs 40 CFR 63.3350 (e)(5) through (7).

I. Each CPMS must complete a minimum of one cycle of operation for each successive 15-minute period. The Permittee shall have a minimum of four equally spaced successive cycles of CPMS operation to have a valid hour of data.

II. The Permittee shall have valid data from at least 90 percent of the hours during which the process operated.

III. The Permittee shall determine the hourly average of all recorded readings according to the following:

1. To calculate a valid hourly value, you must have at least three of four equally spaced data values from that hour from a continuous monitoring system (CMS) that is not out-of-control.

2. Provided all of the readings recorded in accordance with 40 CFR 63.3350(e)(3) clearly demonstrate continuous compliance with the applicable standard, then the Permittee are not required to determine the hourly average of all recorded readings.

IV. The Permittee shall determine the rolling 3-hour average of all recorded readings for each operating period. To calculate the average for each 3-hour averaging period, the Permittee shall have at least two of three of the hourly averages for that period using only average values that are based on valid data (i.e., not from out-of-control periods).

V. The Permittee shall record the results of each inspection, calibration, and validation check of the CPMS.

VI. At all times, the Permittee shall maintain the monitoring system in proper working order including, but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

VII. Except for monitoring malfunctions, associated repairs, or required quality assurance or control activities (including calibration checks or required zero and span adjustments), the Permittee shall conduct all monitoring at all times that the unit is operating. Data recorded during monitoring malfunctions, associated repairs, out-of-control periods, or required quality assurance or control activities shall not be used for purposes of calculating the emissions concentrations and percent reductions specified in 40 CFR 63.3370. The Permittee shall use all the valid data collected during all other periods in assessing compliance of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring system to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

VIII. Any averaging period for which the Permittee does not have valid monitoring data and such data are required constitutes a deviation, and the Permittee shall notify the Illinois EPA in accordance with 40 CFR 63.3400(c).

H. *Compliance with organic HAP or volatile matter content of coatings.*

I. Pursuant to 40 CFR 63.3360(a)(1) and (c), the Permittee shall demonstrate compliance with uncontrolled option of 40 CFR 63.3320 by determining the organic HAP mass fraction of each coating material "as purchased" or "as applied" by following the procedures in 40 CFR 63.3360(c)(1) through (4); or

II. Pursuant to 40 CFR 63.3360(a)(1) and (d), the Permittee shall demonstrate compliance with uncontrolled option of 40 CFR 63.3320 by determining the volatile organic content as a surrogate for the organic HAP content of coatings, such determination shall be based on "as purchased" or "as applied" volatile organic content and coating solids content of each coating material by following the procedures in 40 CFR 63.3360(d)(1) through (3).

Recordkeeping

I. Pursuant to 40 CFR 63.3410(a), the Permittee shall keep the following records specified in 63.3410(a)(1) and (2) on a monthly basis:

I. Records specified in §63.10(b)(2) of all measurements needed to demonstrate compliance with this standard, including:

1. Control device and capture system operating parameter data in accordance with the requirements of 40 CFR 63.3350(c), (e), and (f);

2. Organic HAP content data for the purpose of demonstrating compliance in accordance with the requirements of 40 CFR 63.3360(c);

3. Volatile matter and coating solids content data for the purpose of demonstrating compliance in accordance with the requirements of 40 CFR 63.3360(d);

4. Overall control efficiency determination using capture efficiency and control device destruction or removal efficiency test results in accordance with the requirements of 40 CFR 63.3360(e) and (f); and

5. Material usage, organic HAP usage, volatile matter usage, and coating solids usage and compliance demonstrations using these data in accordance with the requirements of 40 CFR 63.3370(b), (c), and (d).

II. Records specified in §63.10(c) for each CMS operated by the owner or operator in accordance with the requirements of §63.3350(b).

J. Pursuant to Construction Permit #99100001, the Permittee shall keep a continuous record of the combustion chamber temperature of the oxidizer during coating operations, which shall include reading at least every 10 minutes. Records of all 3-hour periods (during actual coating operations) during which the average temperature of the device is more than 10°C (18°F) below the required temperature established during testing.

e. i. Sulfur Dioxide Requirements (SO_2)

A. Pursuant to 35 IAC 214.301, for a cure oven, no person shall cause or allow the emission of sulfur dioxide into the atmosphere to exceed 2,000 ppm.

ii. Compliance Method (SO_2 Requirements)

Monitoring

A. Pursuant to Section 39.5(7)(a) of the Act, for the units fired with natural gas, the Permittee shall use pipeline quality natural gas with the sulfur content not exceeding 2,000 ppm.

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep the following records related to pipeline quality natural gas:

I. Annual certification that only pipeline quality natural gas is used.

f. i. Work Practice and Control Requirements

A. Pursuant to construction permit #99100001, the oxidizer shall always be operated when solvent-based or non-compliant water-based resin paper saturation is in operation.

B. Pursuant to Construction Permit #99100001, during solvent-based and non-compliant water-based resin application, the oxidizer combustion chamber shall be preheated to the manufacturer's recommended temperature but not less than the temperature at which the oxidizer was operated during the most recent emission test, before the paper coating process is begun, and this temperature shall be maintained during operation of the coating line.

C. Pursuant to Construction Permit #991000001, when solvent-based and non-compliant water-based resin solutions are being applied, the oxidizer shall be operated to achieve at least 95 percent overall control efficiency for VOM and HAP. This requirement applies year round so that the Permittee may not shutdown the oxidizer between November and March as otherwise might be allowed by 35 IAC 215.106.

ii. Compliance Method (Work Practice and Control Requirements)

Monitoring

A. Pursuant to Construction Permit #991000001, if the paper saturator, when controlled by the oxidizer uses a hood or enclosure to capture fugitive VOC emissions, the Permittee shall install, calibrate, maintain, and operate a monitoring device which continuously indicates that the hood or enclosure is operating. No continuous monitor is required if the Permittee can demonstrate that the saturator is interlocked with the affected paper saturator line's main draft fan to the oxidizer and the main draft fan cannot be operated without the oxidizer being fired, except as is allowed to purge the oxidizer during the startup procedure.

B. See Condition 4.2(2)(d)(ii) for further monitoring and testing.

Recordkeeping

C. Pursuant to Construction Permit #991000001, the Permittee shall collect and record all of the following information each day for the paper saturator line whenever applying solvent-based or latex-based resin:

I. A log of operating time for the capture system, control device, monitoring equipment and the associated coating line. These logs shall reasonably identify periods of time when: an emission unit(s) served by the control device operate but the capture system is not operational; emission unit(s) served by the control device operate but the control device is not operating; and the control device is operating but its monitoring equipment is not operating; and

II. A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.

D. See Condition 4.2(2)(d)(ii) for further records.

3. Non-Applicability Determinations

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

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 4.2(2)(a), 4.2(2)(b), 4.2(2)(c), 4.2(2)(d), 4.2(2)(e), 4.2(2)(f).

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 63.3400(c), the Permittee shall submit the Illinois EPA Compliance Section the semiannual compliance reports in accordance with 40 CFR 63.3400(c)(1) and (2):

A. Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

B. Each compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

C. Each compliance report may be submitted with a semiannual monitoring report required by this permit.

D. The compliance report must contain the following information:

I. Company name and address.

II. Statement by a responsible official with that official's name, title, and signature certifying the accuracy of the content of the report.

III. Date of report and beginning and ending dates of the reporting period.

IV. If there are no deviations from any emission limitations (emission limit or operating limit) that apply to you, a statement that there were no deviations from the emission limitations during the reporting period, and that no CMS was inoperative, inactive, malfunctioning, out-of-control, repaired, or adjusted.

V. For each deviation from an emission limitation (emission limit or operating limit) that applies to you and that occurs at an affected source where CEMS is not used to comply with the emission limitations in this Subpart JJJJ, the compliance report must contain the following information:

1. The total operating time of each affected source during the reporting period.

2. Information on the number, duration, and cause of deviations (including unknown cause), if applicable, and the corrective action taken.

3. Information on the number, duration, and cause for CPMS downtime incidents, if applicable, other than downtime associated with zero and span and other calibration checks.

ii. Pursuant to 40 CFR 63.3400(d), the Permittee shall submit a Notification of Performance Tests as specified in 40 CFR 63.7 and 63.9(e). This notification and the site-specific test plan required under §63.7(c)(2) must identify the operating parameters to be monitored to ensure that the capture efficiency of the capture system and the control efficiency of the control device determined during the performance test are maintained. Unless the Illinois EPA objects to the parameter or requests changes, the Permittee may consider the parameter approved.

iii. Pursuant to 40 CFR 63.3400(f), the Permittee shall submit performance test reports as specified in 40 CFR 63.10(d)(2). The performance test reports must be submitted as part of the notification of compliance status required in 40 CFR 63.3400(e).

iv. Pursuant to 40 CFR 63.3400(g), the Permittee shall submit startup, shutdown, and malfunction reports for a control device as specified in 40 CFR 63.10(d)(5).

A. If actions taken by an owner or operator during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are not consistent with the procedures specified in the affected source's SSMP required by 40 CFR 63.6(e)(3), the owner or operator must state such information in the report. The startup, shutdown, or malfunction report must consist of a letter containing the name, title, and signature of the responsible official who is certifying its accuracy and must be submitted to the Illinois EPA Compliance Section.

B. Separate startup, shutdown, and malfunction reports are not required if the information is included in the report specified in 40 CFR 63.3400(c)(2)(vi).

4.3 Natural Gas-Fired Boilers

1. Emission Units and Operations

Emission Units	*Pollutants Being Regulated*	*Original Construction Date*	*Modification/ Reconstruction Date*	*Air Pollution Control Devices or Measures*	*Monitoring Devices*
Boiler #3 (42.0 mmBtu/hr)	CO, NO_x	1996	N/A	None	N/A
Boiler #5 (40.1 mmBtu/hr)	CO	Pre-1989	N/A	None	N/A
Boiler #7 (33.5 mmBtu/hr)	CO, NO_x, PM/PM_{10}, VOM, SO_2, HAP, CO_2e	2014	N/A	None	N/A

2. Applicable Requirements

For the emission units 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. **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, the Permittee shall perform visible emission observations from each individual stack in accordance with Method 22 on an annual basis. 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 operation, 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 visible emission observation and opacity reading performed in accordance with Condition 4.4.2(a)(ii)(A). 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.

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

A. Pursuant to 35 IAC 216.121, for each boiler, the emissions of carbon monoxide (CO) into the atmosphere from any fuel combustion emission unit with actual heat input greater than 2.9 MW (10 mmBtu/hr) shall not exceed 200 ppm, corrected to 50 percent excess air.

B. Pursuant to Construction Permit 96070071, the Permittee shall not exceed the following CO limits from Boiler #3: 1.47 lb/hr and 6.44 ton/yr. [T1]

C. Pursuant to Construction Permit 13120003, the Permittee shall not exceed the following CO limits from Boiler #7: 2.8 lb/hr and 12.1 ton/yr. [T1]

ii. Compliance Method (CO Requirements)

Monitoring

A. Pursuant to Construction Permits 96070071 and 13120003, compliance with the 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 months total).

B. See also Condition 4.3(2)(h)(i).

Recordkeeping

C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of CO emissions from each boiler, with supporting calculations.

c. i. Nitrogen Oxides Requirements (NO_x)

A. Pursuant to Construction Permit 96070071, the Permittee shall not exceed the following NO_x limits from Boiler #3: 4.2 lb/hr and 18.4 ton/yr. [T1]

B. Pursuant to Construction Permit 13120003, the Permittee shall not exceed the following NO_x limits from Boiler #7: 3.3 lb/hr and 14.4 ton/yr. [T1]

ii. Compliance Method (NO_x Requirements)

Monitoring

A. Pursuant to Construction Permits 96070071 and 13120003, compliance with the 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 months total).

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of NO_x emissions from each boiler, with supporting calculations.

d. i. Particulate Matter Requirements (PM/PM_{10})

A. Pursuant to Construction Permit 13120003, the Permittee shall not exceed the following PM/PM_{10} limits from Boiler #7: 0.25 lb/hr and 1.1 ton/yr. [T1]

ii. Compliance Method (PM/PM_{10} Requirements)

Monitoring

A. Pursuant to Construction Permit 13120003, compliance with the 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 months total).

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of PM/PM_{10} emissions, with supporting calculations.

e. i. Volatile Organic Material Requirements (VOM)

A. Pursuant to Construction Permit 13120003, the Permittee shall not exceed the following VOM limits from Boiler #7: 0.25 lb/hr and 1.1 ton/yr. [T1]

ii. Compliance Method (VOM Requirements)

Monitoring

A. Pursuant to Construction Permit 13120003, compliance with the 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 months total).

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of VOM emissions, with supporting calculations.

f. i. Sulfur Dioxide Requirements (SO_2)

A. Pursuant to Construction Permit 13120003, the Permittee shall not exceed the following SO_2 limits from Boiler #7: 0.1 lb/hr and 0.44 ton/yr. [T1]

ii. Compliance Method (SO_2 Requirements)

Monitoring

A. Pursuant to Construction Permit 13120003, compliance with the 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 months total).

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of SO_2 emissions, with supporting calculations.

g. i. Hazardous Air Pollutants Requirements (HAP)

A. Pursuant to Construction Permit 13120003, the Permittee shall not exceed the following total HAP limits from Boiler #7: 0.1 lb/hr and 0.44 ton/yr. [T1]

ii. Compliance Method (HAP Requirements)

Monitoring

A. Pursuant to Construction Permit 13120003, compliance with the 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 months total).

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of HAP emissions, with supporting calculations.

h. i. Greenhouse Gas Requirements (CO_2e)

A. Pursuant to Construction Permit 13120003, the Permittee shall not exceed the following annual limit for greenhouse gas emissions from Boiler #7: 17,155.00 ton/yr. [T1]

ii. Compliance Method (CO_2e Requirements)

Monitoring

A. Pursuant to Construction Permit 13120003, compliance with the 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 months total).

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of CO_2e emissions, with supporting calculations.

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

A. Pursuant to Section 39.5(7)(b) of the Act, natural gas shall be the only fuel fired in these boilers.

ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep annual records of the type and amount of fuel consumed (in mmscf).

B. Pursuant to Construction Permit #13120003 and Section 39.5(7)(b) of the Act, the Permittee shall keep an operating log or other records for Boilers #3 and #7 that, at a minimum, shall include the following information:

I. Information for each startup and shutdown, including date, time and duration, as required by 40 CFR 60.7(b).

II. Information for any incident in which the operation of the affected boiler continued during malfunction or breakdown, as required by 40 CFR 60.7(b). These records shall include date, time, and duration; a description of the incident; whether emissions exceeded or may have exceeded any applicable standard; a description of the corrective actions taken to reduce emissions and the duration of the incident; and a description of the preventative actions taken.

III. An inspection, maintenance, and repair log with dates and the nature of such activities for the affected boiler.

IV. Records for the amount of fuel combusted on a calendar month basis, pursuant to 40 CFR 60.48c(g).

j. i. **Work Practice Requirements**

A. Pursuant to Section 39.5(7)(d) of the Act, before the compliance date established in 40 CFR 63 Subpart DDDDD (See Condition 5.2), the Permittee shall comply with the following inspection and combustion evaluation requirements for the boiler. Inspections/combustion evaluations shall be conducted biannually but no later than 25 months after the previous combustion evaluation:

I. As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the Permittee may delay the burner inspection until the next scheduled unit shutdown, but each burner shall be inspected at least once every 36 months).

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.

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).

VI. If the unit is not operating on the required date for a combustion evaluation, the combustion evaluation must be conducted within one week of startup.

B. After the compliance date established in 40 CFR 63 Subpart DDDDD (See Condition 5.2),the Permittee shall follow the work practices standards established in 40 CFR 63 Subpart DDDDD (See Condition 5.2)

ii. Compliance Method (Work Practice Requirements)

Recordkeeping

A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records onsite of combustion evaluation containing the following information:

I. The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the combustion evaluation of the boiler.

II. A description of any corrective actions taken as a part of the combustion evaluation of the boiler.

III. The type and amount of fuel used over the 12 months prior to the bi annual combustion evaluation of the boiler.

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of each inspection performed along with a maintenance, repair log and combustion evaluation performed. These records shall include, at a minimum:

I. Date and time inspections were performed,

II. Name(s) of inspection personnel,

III. Identification of equipment being inspected,

IV. Findings of the inspections,

V. Operation and maintenance procedures,

VI. 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. Boilers are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources because these boilers do not use an add-on control device to achieve compliance with an emission limitation or standard.

b. Boiler #5 is not subject to 40 CFR Part 60 Subpart Dc because it was constructed before 1989.

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), 4.3(2)(b), 4.3(2)(c), 4.3(2)(d), 4.3(2)(e), 4.3(2)(f), 4.3(2)(g), 4.3(2)(h), 4.3(2)(i), and 4.3(2)(j).

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 and Notification

i. NESHAP Notification (40 CFR 63 Subpart DDDDD)

As of effective date of 40 CFR 63 Subpart DDDDD, April 1, 2013, the source shall:

A. Meet the applicable notification and reporting requirements of 40 CFR 63.7545 and 40 CFR Part 63 Subpart A.

Section 5 - Additional Requirements

5.1 - Title I Requirements

This sub-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 sub-section.

5.2 - MACT Requirements (40 CFR 63 Subpart DDDDD) Natural Gas Fired Boilers

In addition to requirements established in Sections 3 and 4, natural gas-fired boilers are subject to the following newly established MACT requirements:

1. Future Compliance Date

a. Pursuant to 40 CFR 63.7495(b), the Permittee shall comply with the provisions of Subpart DDDDD no later than January 31, 2016, except as provided in 40 CFR 63.6(i).

2. Work Practice Standards

a. Pursuant to 40 CFR 63.7500(a)(1) and 40 CFR 63 Subpart DDDDD Table 3, conduct a tune-up of each boiler annually as specified in 40 CFR 63.7540. Pursuant to 40 CFR 63.7515(d), each annual tune-up must be no more than 13 months after the previous tune-up. Pursuant to 40 CFR 63.7540(a)(13), if the boiler is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

b. Pursuant to 40 CFR 63.7540(a)(10)(i) through 63.7540(a)(10)(v), each annual tune-up shall consist of:

i. As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the Permittee may delay the burner inspection until the next scheduled unit shutdown, but the Permittee must inspect each burner at least once every 36 months).

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.

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).

c. Compliance Method (NESHAP Requirements)

Recordkeeping Requirements

i. Pursuant to 40 CFR 63.7540(a)(10)(vi)(A) through (C), maintain records of each tune-up as follows:

A. The concentrations of carbon monoxide in the effluent stream in parts per million by volume, and oxygen in volume percent, measured before and after the adjustments of the boiler.

B. A description of any corrective actions taken as a part of the combustion adjustment.

C. 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.

ii. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of the reporting requirements of 40 CFR 63.7550. See also Condition 4.3.5(b).

3. Notifications

a. Pursuant to 40 CFR 63.7545, the Permittee shall submit the following notifications to the Illinois EPA, Compliance Section:

i. Include with the Notification of Compliance Status (40 CFR 63.9(h)(2)) a signed certification that the energy assessment was completed according to 40 CFR 63 Subpart DDDDD Table 3 and is an accurate depiction of the source, pursuant to 40 CFR 63.7530(e).

4. Reports

a. Pursuant to 40 CFR 63.7550, the Permittee shall comply with applicable compliance reports on the compliance date established above.

5. Affirmative Defense for Violation of Emission Standards During Malfunction

a. Pursuant to 40 CFR 63.7501, the Permittee shall in response to an action to enforce the standards set forth in 40 CFR 63.7500, the Permittee may assert an affirmative defense to a claim for civil penalties for violations of such standards that are caused by malfunction, as defined at 40 CFR 63.2. Appropriate penalties may be assessed if the Permittee fails to meet the burden of proving all of the requirements in the affirmative defense. The affirmative defense shall not be available for claims for injunctive relief.

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:

Insignificant Activity	*Number of Units*	*Insignificant Activity Category*
Solvent resin tanks	4	35 IAC 201.211(a)
Waterbased resin tanks	4	35 IAC 201.211(a)
Paper recycling system	6	35 IAC 201.210(a)(3)

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.

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 215.301, 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 215.302, 215.303, 215.304 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 215.122(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 215.122(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.

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 lb/hr and ton/yr.

D. The means by which emissions were determined or estimated.

E. The estimated number of such emission units at the source.

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

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)]

P (T/hr)	E (lbs/hr)	P (T/hr)	E (lbs/hr)
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. 40 CFR 63 Subpart A Requirements (NESHAP)

a. 40 CFR 63 Subpart A and Subpart JJJJ - Paper and Other Web Coating

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

General provisions reference	Applicable to subpart JJJJ	Explanation
§63.1(a)(1)-(4)	Yes	
§63.1(a)(5)	No	Reserved
§63.1(a)(6)-(8)	Yes	
§63.1(a)(9)	No	Reserved
§63.1(a)(10)-(14)	Yes	
§63.1(b)(1)	No	Subpart JJJJ specifies applicability
§63.1(b)(2)-(3)	Yes	
§63.1(c)(1)	Yes	
§63.1(c)(2)	No	Area sources are not subject to emission standards of subpart JJJJ
§63.1(c)(3)	No	Reserved
§63.1(c)(4)	Yes	
§63.1(c)(5)	Yes	
§63.1(d)	No	Reserved
§63.1(e)	Yes	
§63.1(e)(4)	No	
§63.2	Yes	Additional definitions in subpart JJJJ
§63.3(a)-(c)	Yes	
§63.4(a)(1)-(3)	Yes	
§63.4(a)(4)	No	Reserved
§63.4(a)(5)	Yes	
§63.4(b)-(c)	Yes	
§63.5(a)(1)-(2)	Yes	
§63.5(b)(1)	Yes	
§63.5(b)(2)	No	Reserved
§63.5(b)(3)-(6)	Yes	
§63.5(c)	No	Reserved
§63.5(d)	Yes	
§63.5(e)	Yes	
§63.5(f)	Yes	
§63.6(a)	Yes	Applies only when capture and control system is used to comply with the standard
§63.6(b)(1)-(5)	No	

§63.6(b)(6)	No	Reserved
§63.6(b)(7)	Yes	
§63.6(c)(1)-(2)	Yes	
§63.6(c)(3)-(4)	No	Reserved
§63.6(c)(5)	Yes	
§63.6(d)	No	Reserved
§63.6(e)	Yes	Provisions pertaining to SSMP, and CMS do not apply unless an add-on control system is used to comply with the emission limitations
§63.6(f)	Yes	
§63.6(g)	Yes	
§63.6(h)	No	Subpart JJJJ does not require continuous opacity monitoring systems (COMS)
§63.6(i)(1)-(14)	Yes	
§63.6(i)(15)	No	Reserved
§63.6(i)(16)	Yes	
§63.6(j)	Yes	
§63.7	Yes	
§63.8(a)(1)-(2)	Yes	
§63.8(a)(3)	No	Reserved
§63.8(a)(4)	No	
§63.8(b)	Yes	
§63.8(c)(1)-(3)	Yes	§63.8(c)(1)(i) & (ii) only apply if you use capture and control systems and are required to have a start-up, shutdown, and malfunction plan
§63.8(c)(4)	Yes	
§63.8(c)(5)	No	Subpart JJJJ does not require COMS
§63.8(c)(6)-(c)(8)	Yes	Provisions for COMS are not applicable
§63.8(d)-(f)	Yes	§63.8(f)(6) only applies if you use CEMS
§63.8(g)	Yes	Only applies if you use CEMS
§63.9(a)	Yes	
§63.9(b)(1)	Yes	
§63.9(b)(2)	Yes	Except §63.3400(b)(1) requires submittal of initial notification for existing affected sources no later than 1 year before compliance date
§63.9(b)(3)-(5)	Yes	
§63.9(c)-(e)	Yes	
§63.9(f)	No	Subpart JJJJ does not require opacity and visible emissions observations
§63.9(g)	Yes	Provisions for COMS are not applicable
§63.9(h)(1)-(3)	Yes	
§63.9(h)(4)	No	Reserved

§63.9(h)(5)-(6)	Yes	
§63.9(i)	Yes	
§63.9(j)	Yes	
§63.10(a)	Yes	
§63.10(b)(1)-(3)	Yes	§63.10(b)(2)(i) through (v) only apply if you use a capture and control system
§63.10(c)(1)	Yes	
§63.10(c)(2)-(4)	No	Reserved
§63.10(c)(5)-(8)	Yes	
§63.10(c)(9)	No	Reserved
§63.10(c)(10)-(15)	Yes	
§63.10(d)(1)-(2)	Yes	
§63.10(d)(3)	No	Subpart JJJJ does not require opacity and visible emissions observations
§63.10(d)(4)-(5)	Yes	
§63.10(e)(1)-(2)	Yes	Provisions for COMS are not applicable
§63.10(e)(3)-(4)	No	
§63.10(f)	Yes	
§63.11	No	
§63.12	Yes	
§63.13	Yes	
§63.14	Yes	Subpart JJJJ includes provisions for alternative ASME test methods that are incorporated by reference
§63.15	Yes	

b. **40 CFR 63 Subpart A and DDDDD - Boilers 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:

General Provision Citation	*Subject of Citation*	*Applies to subpart DDDDD*
40 CFR 63.1	General Applicability of the General Provisions	Yes
40 CFR 63.2	Definitions	Yes. Additional terms defined in 40 CFR 63.7575
40 CFR 63.3	Units and Abbreviations	Yes
40 CFR 63.4	Prohibited Activities and Circumvention	Yes
40 CFR 63.5	Preconstruction Review and Notification Requirements	Yes
40 CFR 63.6(a), (b)(1)-(b)(5), (b)(7), (c)	Compliance with Standards and Maintenance Requirements	Yes
40 CFR 63.6(e)(1)(i)	General duty to minimize emissions	No. See 40 CFR 63.7500(a)(3) for the general duty requirement
40 CFR 63.6(e)(1)(ii)	Requirement to correct malfunctions as soon as practicable	No
40 CFR 63.6(e)(3)	Startup, shutdown, and malfunction plan requirements	No
40 CFR 63.6(f)(1)	Startup, shutdown, and malfunction exemptions for compliance with non-opacity emission standards	No
40 CFR 63.6(f)(2) and (3)	Compliance with non-opacity emission standards	Yes
40 CFR 63.6(g)	Use of alternative standards	Yes
40 CFR 63.6(h)(1)	Startup, shutdown, and malfunction exemptions to opacity standards	No. See 40 CFR 63.7500(a)
40 CFR 63.6(h)(2) to (h)(9)	Determining compliance with opacity emission standards	Yes
40 CFR 63.6(i)	Extension of compliance	Yes. Note: Facilities may also request extensions of compliance for the installation of combined heat and power, waste heat recovery, or gas pipeline or fuel feeding infrastructure as a means of complying with this subpart.
40 CFR 63.6(j)	Presidential exemption	Yes
40 CFR 63.7(a), (b), (c), and (d)	Performance Testing Requirements	Yes
40 CFR 63.7(e)(1)	Conditions for conducting performance tests	No. Subpart DDDDD specifies conditions for conducting performance tests at 40 CFR 63.7520(a) to (c).
40 CFR 63.7(e)(2)-(e)(9), (f), (g), and (h)	Performance Testing Requirements	Yes
40 CFR 63.8(a) and (b)	Applicability and Conduct of Monitoring	Yes
40 CFR 63.8(c)(1)	Operation and maintenance of CMS	Yes

General Provision Citation	*Subject of Citation*	*Applies to subpart DDDDD*
40 CFR 63.8(c)(1)(i)	General duty to minimize emissions and CMS operation	No. See 40 CFR 63.7500(a)(3)
40 CFR 63.8(c)(1)(ii)	Operation and maintenance of CMS	Yes
40 CFR 63.8(c)(1)(iii)	Startup, shutdown, and malfunction plans for CMS	No
40 CFR 63.8(c)(2) to (c)(9)	Operation and maintenance of CMS	Yes
40 CFR 63.8(d)(1) and (2)	Monitoring Requirements, Quality Control Program	Yes
40 CFR 63.8(d)(3)	Written procedures for CMS	Yes, except for the last sentence, which refers to a startup, shutdown, and malfunction plan. Startup, shutdown, and malfunction plans are not required.
40 CFR 63.8(e)	Performance evaluation of a CMS	Yes
40 CFR 63.8(f)	Use of an alternative monitoring method	Yes
40 CFR 63.8(g)	Reduction of monitoring data	Yes
40 CFR 63.9	Notification Requirements	Yes
40 CFR 63.10(a), (b)(1)	Recordkeeping and Reporting Requirements	Yes
40 CFR 63.10(b)(2)(i)	Recordkeeping of occurrence and duration of startups or shutdowns	Yes
40 CFR 63.10(b)(2)(ii)	Recordkeeping of malfunctions	No. See 40 CFR 63.7555(d)(7) for recordkeeping of occurrence and duration and 40 CFR 63.7555(d)(8) for actions taken during malfunctions.
40 CFR 63.10(b)(2)(iii)	Maintenance records	Yes
40 CFR 63.10(b)(2)(iv) and (v)	Actions taken to minimize emissions during startup, shutdown, or malfunction	No
40 CFR 63.10(b)(2)(vi)	Recordkeeping for CMS malfunctions	Yes
40 CFR 63.10(b)(2)(vii) to (xiv)	Other CMS requirements	Yes
40 CFR 63.10(b)(3)	Recordkeeping requirements for applicability determinations	No
40 CFR 63.10(c)(1) to (9)	Recordkeeping for sources with CMS	Yes
40 CFR 63.10(c)(10) and (11)	Recording nature and cause of malfunctions, and corrective actions	No. See 40 CFR 63.7555(d)(7) for recordkeeping of occurrence and duration and 40 CFR 63.7555(d)(8) for actions taken during malfunctions.
40 CFR 63.10(c)(12) and (13)	Recordkeeping for sources with CMS	Yes
40 CFR 63.10(c)(15)	Use of startup, shutdown, and malfunction plan	No
40 CFR 63.10(d)(1) and (2)	General reporting requirements	Yes
40 CFR 63.10(d)(3)	Reporting opacity or visible emission observation results	No

General Provision Citation	*Subject of Citation*	*Applies to subpart DDDDD*
40 CFR 63.10(d)(4)	Progress reports under an extension of compliance	Yes
40 CFR 63.10(d)(5)	Startup, shutdown, and malfunction reports	No. See 40 CFR 63.7550(c)(11) for malfunction reporting requirements.
40 CFR 63.10(e)	Additional reporting requirements for sources with CMS	Yes
40 CFR 63.10(f)	Waiver of recordkeeping or reporting requirements	Yes
40 CFR 63.11	Control Device Requirements	No
40 CFR 63.12	State Authority and Delegation	Yes
40 CFR 63.13-63.16	Addresses, Incorporation by Reference, Availability of Information, Performance Track Provisions	Yes
40 CFR 63.1(a)(5),(a)(7)-(a)(9), (b)(2), (c)(3)-(4), (d), 63.6(b)(6), (c)(3), (c)(4), (d), (e)(2), (e)(3)(ii), (h)(3), (h)(5)(iv), 63.8(a)(3), 63.9(b)(3), (h)(4), 63.10(c)(2)-(4), (c)(9).	Reserved	No

7.4 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 7.4(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
7.4.1	4.2	Saturator Line	VOM

Table 7.4.1 - CAM Plan

Emission Unit Section:	4.2
PSEU Designation:	Saturator Linr
Pollutant:	VOM

Indicators:	1) Temperature Data	#2) N/A
The Monitoring Approach Used to Measure the Indicators:	Continuous recording of combustion chamber temperature.	
The Indicator Range Which Provides a Reasonable Assurance of Compliance:	Data collected during the most current performance test (09/24/2014) is used to calculate the average combustion temperature during the performance test. This average combustion temperature is the minimum operating limit for the thermal oxidizer.	
Quality Improvement Plan (QIP) Threshold Levels:	No more than six excursions below the indicator range in any semi-annual reporting period.	
The Specifications for Obtaining Representative Data:	The monitoring device is required to have an accuracy of the greater of ± 0.75% of the temperature being measured expressed in degrees Celsius or ±2.5°C.	
Verification Procedures to Confirm the Operational Status of the Monitoring:	Install, calibrate, maintain, and operate temperature monitoring equipment according to the manufaturer's specifications	
Quality Assurance and Quality Control (QA/QC) Practices that Ensure the Validity of the Data:	The calibration of the chart recorder, data logger, or temperature indicator must be verified every 3 months or the chart recorder, data logger, temperature indicator must be replaced. The Permittee shall replace the equipment if the calibration is not performed or the equipment cannot be calibrated properly.	
The Monitoring Frequency:	Measured continuously	
The Data Collection Procedures That Will Be Used:	Recorded continuously electronically.	

The Data Averaging Period For Determining Whether an Excursion or Exceedance Has Occurred:	A 3-hour average is to be used per 40 CFR 63.3350(e)(4).	

The Data Averaging Period For Determining Whether an Excursion or Exceedance Has Occurred:	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.

Pollutant		*Tons/Year*
Volatile Organic Material	(VOM)	248.59
Sulfur Dioxide	(SO_2)	0.4
Particulate Matter	(PM)	5.6
Nitrogen Oxides	(NO_x)	73.7
HAP, not included in VOM or PM	(HAP)	---
	Total	328.29

Attachment 1 - List of Emission Units at This Source

Section	*Emission Units*	*Description*
4.1	Paper Manufacturing Line	Manufacturing paper units
4.2	Saturator Line	Impregnates paper with resins to manufacture automotive filters
4.3	Natural Gas-Fired Boilers	Produce heat and steam for production needs

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_2	Carbon dioxide
COMS	Continuous Opacity Monitoring System
CPMS	Continuous Parameter Monitoring System
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
ERMS	Emissions Reduction Market System
°F	Degrees Fahrenheit
GHG	Green house gas
GACT	Generally Acceptable Control Technology
gr	Grains
HAP	Hazardous air pollutant
Hg	Mercury
HMIWI	Hospital medical infectious waste incinerator
hp	Horsepower
hr	Hour
H_2S	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
lbs	Pound

m	Meter
MACT	Maximum Achievable Control Technology
M	Thousand
MM	Million
mos	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_x	Nitrogen oxides
NSPS	New Source Performance Standards
NSR	New Source Review
PB	Lead
PEMS	Predictive Emissions Monitoring System
PM	Particulate matter
PM_{10}	Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods
$PM_{2.5}$	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
ppmw	Parts per million by weight
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_2	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

IEPA Compliance Section	Illinois EPA, Bureau of Air Compliance & Enforcement Section (MC 40) 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276 Phone No.: 217/782-2113
IEPA Stack Test Specialist	Illinois EPA, Bureau of Air Compliance Section Source Monitoring - Third Floor 9511 Harrison Street Des Plaines, Illinois 60016 Phone No.: 847/294-4000
IEPA Air Quality Planning Section	Illinois EPA, Bureau of Air Air Quality Planning Section (MC 39) 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276 Phone No.: 217/782-2113
IEPA Air Regional Field Operations Regional Office #2	Illinois EPA, Bureau of Air Regional Office #2 412 SW Washington Street, Suite D Peoria, Illinois 61602 Phone No.: 309/671-3022
IEPA Permit Section	Illinois EPA, Bureau of Air Permit Section (MC 11) 1021 North Grand Avenue East P.O. Box 19506 Springfield, Illinois 62794-9506 Phone No.: 217/785-1705
USEPA Region 5 - Air Branch	USEPA (AR - 17J) Air and Radiation Division 77 West Jackson Boulevard Chicago, Illinois 60604 Phone No.: 312/353-2000

Attachment 4 - Example Certification by a Responsible Official

SIGNATURE BLOCK
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