

DRAFT/PROPOSED CAAPP PERMIT
July 31, 2014

Attention:

Marble Works
Attn: Tom Wienckowski, President
1601 La Fox
South Elgin, IL 60177

State of Illinois

CLEAN AIR ACT PERMIT
PROGRAM (CAAPP) PERMIT

Source:

Marble Works
Attn: Tom Wienckowski, President
1601 La Fox
South Elgin, IL 60177

I.D. No.: 089080AAW
Permit No.: 04030013

Permitting Authority:

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

CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

Type of Application: Initial

Purpose of Application: Issue New Permit to a New Major Source

ID No.: 089080AAW

Permit No.: 04030013

Statement of Basis No.: 04030013-1407

Date Application Received: March 3, 2004

Date Issued: TBD

Expiration Date: Five Years from TBA

Renewal Submittal Date: 9 Months Prior to Expiration Date

Source Name: Marble Works

Address: 1601 La Fox

City: South Elgin

County: Kane

ZIP Code: 60177

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.

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

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

REP:MTR:MED:jws

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

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Section 1 - Source Information

1. Addresses

Source

Marble Works
1601 La Fox
South Elgin, IL 60177

Owner

Marble Works
1601 La Fox
South Elgin, IL 60177

Operator

Marble Works
1601 La Fox
South Elgin, IL 60177

Permittee

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

2. Contacts

Certified Officials

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

	<i>Name</i>	<i>Title</i>
<i>Responsible Official</i>	Tom Wienckowski	President
<i>Delegated Authority</i>	No other individuals have been authorized by the IEPA.	N/A

Other Contacts

	<i>Name</i>	<i>Phone No.</i>	<i>Email</i>
<i>Source Contact</i>	Tom Wienckowski, President	847/742-9222 Ext. 210	twienckowski@marble-works.com
<i>Technical Contact</i>	Rob Haberlein	410/693-0992	robhab@erols.com
<i>Correspondence</i>	Tom Wienckowski, President	847/742-9222 Ext. 210	twienckowski@marble-works.com
<i>Billing</i>	Tom Wienckowski, President	847/742-9222 Ext. 210	twienckowski@marble-works.com

3. Single Source

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

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

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Section 2 - General Permit Requirements

1. Prohibitions

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

2. Emergency Provisions

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

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

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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 of performance and 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))

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6. Certification

a. Compliance Certification

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

b. Certification by a Responsible Official

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

7. Permit Shield

- a. Pursuant to Section 39.5(7)(j) of the Act, except as provided in Condition 2.7(b) below, the source has requested and has been granted a permit shield. This permit shield provides that compliance with the conditions of this permit shall be deemed compliance with applicable requirements which were applicable as of the date the proposed permit for this source was issued, provided that either the applicable requirements are specifically identified within this permit, or the IEPA, in acting on this permit application, has determined that other requirements specifically identified are not applicable to this source and this determination (or a concise summary thereof) is included in this permit. This permit shield does not extend to applicable requirements which are promulgated after _____ (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]

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b. Reopening and Revision

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

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

c. Inaccurate Application

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

d. Duty to Provide Information

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

10. Emissions Trading Programs

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

11. Permit Renewal

- a. Upon the expiration of this permit, if the source is operated, it shall be deemed to be operating without a permit unless a timely and complete CAAPP application has been submitted for renewal of this permit. However, if a timely and complete application to renew this CAAPP permit has been submitted, the terms and all conditions of the most recent issued CAAPP permit will remain in effect until the issuance of a renewal permit. [Sections 39.5(5)(1) and (o) of the Act]
- b. For purposes of permit renewal, a timely application is one that is submitted no less than 9 months prior to the date of permit expiration. [Section 39.5(5)(n) of the Act]

12. Permanent Shutdown

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

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This permit expires if all equipment is removed from the permitted location(s), notwithstanding the expiration date specified on this permit.

13. Startup, Shutdown, and Malfunction

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

Section 3 - Source Requirements

1. Applicable Requirements

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

a. Fugitive Particulate Matter

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

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

b. NESHAP Standards

- i. A. Pursuant to 40 CFR 63.5785, this permit is issued based upon the applicable reinforced plastic composites production operations at the source, as identified in 40 CFR 63.5790, being subject to the requirements of 40 CFR 63 Subpart WWWW- National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production.
- B. Pursuant to 40 CFR 63.5835(c), 63.5925 and Table 15 of 40 CFR 63 Subpart WWWW, the Permittee must comply with the applicable general provisions in §§63.1 through 63.15.
(See Section 7.3(a))
- C. Pursuant to 39.5(7)(a) through (f) of the Act and 40 CFR 63 Subpart WWWW, source wide notification and reporting requirements are specified in Section 3.5 and emission unit and/or operation specific organic HAP emissions limits, work practice standards and compliance requirements are shown in Section 4.0.

c. Emissions Reduction Market System (ERMS)

Pursuant to 35 IAC Part 205, ERMS seasonal emissions of VOM during the seasonal allotment period from May 1 through September 30 shall not exceed 10 tons. The Permittee shall comply with all applicable requirements in Section 7.3 of this permit.

d. 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:

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- 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.

e. 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).

f. Future Emission Standards

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

2. Plans, Programs or Other Requirements

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

3. Title I Requirements

- a. i. Construction Permit 00120001 Requirements [T1]
 - A. Pursuant to Construction Permit 00120001, the Permittee shall comply with the following:
 - I. VOM emissions from the affected plant, including manufacturing, storage, and other miscellaneous operation, combined, shall not

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exceed 9.8 tons during May 1 through September 30 period each calendar year. [T1]

Note: As a result of this limit, this permit is issued based on the affected plant not being a "participating source" for purpose of the Emissions Reduction Market System (ERMS), 35 IAC Part 205. See Condition 3.1(c) and the applicable requirements in Section 7.3 of this permit.

- II. 1. This permit is issued based on the affected cleaning operation not being subject to the control requirements of 35 IAC 218.187 for Industrial Solvent Cleaning Operations. This is because the affected cleaning operation will not meet the applicability criteria of 35 IAC 218.187(a), i.e., the total VOM emissions from the affected cleaning operation, in the absence of air pollution control equipment, will be less than 500 pounds per calendar month.
- 2. The only organic materials used as cleaning solvent during process cleanup and maintenance at the affected plant shall be non-HAP low-vapor pressure materials (i.e., non-HAP material with a vapor pressure of no more than 0.1 psia at 68 °F), acetone, or non-VOM/non-HAP materials other than acetone. [T1]

Note: Pursuant to 35 IAC 211.4250, acetone is not regulated as an organic material. Therefore, emissions of acetone are not subject to any of the provisions of 35 IAC Part 218.

- III. 1. In the event that the operation of emission unit(s) at the source results in an odor nuisance, the Permittee shall take appropriate and necessary actions to minimize odors, including but not limited to, changes in raw material or installation of controls, in order to eliminate the odor nuisance.. [T1]
- 2. Pursuant to Section 9(a) of the Act, no person shall cause or threaten to allow the discharge or emission of any contaminant into the environment of any state so as to cause or tend to cause air pollution in Illinois, either alone or in combination with contaminants from other sources, or so as to violate regulations or standards adopted under this Act.

ii. Compliance Method

Monitoring

- A. Pursuant to Section 39.5(7)(d) of the Act, the Permittee shall demonstrate compliance with the requirements in Condition 3.3(a)(i)(A), as follows:
 - I. 1. Compliance with the VOM emissions limit for the period between May 1 through September 30, as per Condition 3.3(a)(i)(A)(I), shall be determined annually based upon the sum total of VOM emissions from the source, in tons, during the period between May 1 through September 30 of each year, which shall be compiled by November 30 of each year as per Section 7.3 of this permit.
 - 2. Emissions shall be determined using appropriate emission factors and/or emission calculation procedures which in order of preference shall be factors from on-site testing, manufacturer's emission data, and emission factors from USEPA's Compilation of Air Pollutant Emission Factors (AP-42).

3. The Permittee shall demonstrate compliance using the same data and VOM emission calculations used to demonstrate compliance for the VOM emissions limitations shown in Section 3.4 and 4.0.
- II. 1. Pursuant to Section 39.5(7)(d) of the Act, the Permittee shall demonstrate compliance with the requirements in Condition 3.3(a)(i)(A)(II)(1) shall be based upon the records required in Condition 3.4(a)(ii)(B)(I)(1).
 2. Compliance with the organic HAP content of fresh solvents, as per Condition 3.3(a)(i)(A)(II)(2), shall be demonstrated using the records required in Condition 3.3(a)(ii)(B)(I)(2) which may be based on information provided by the solvent manufacturer or supplier, such as manufacturer's formulation data and/or material safety data sheets (MSDS).
- III. Compliance with the odor nuisance requirements in Condition 3.3(a)(i)(A)(III) shall be demonstrated as follows:
 - A. The Permittee shall conduct weekly inspections of source's operations and evaluate releases of odors from those operations.
 - B. All citizens odor complaints submitted directly to the source shall be evaluated within 72 hours from the date of receipt and the Permittee shall make all the reasonable efforts to reduce or eliminate the cause of such odors.

Recordkeeping

- B. I. 1. Pursuant to 35 IAC 218.187(e)(1)(B), the Permittee shall collect and record the following information each month for each cleaning operation, other than cleaning operations identified in 35 IAC 218.187(a)(2):
 - (a) The name and identification of each VOM-containing cleaning solution as applied in each cleaning operation;
 - (b) The VOM content of each cleaning solution as applied in each cleaning operation;
 - (c) The weight of VOM per volume and the volume of each as-used cleaning solution; and
 - (d) The total monthly VOM emissions from cleaning operations at the source;
 2. Pursuant to Construction Permit 00120001, for cleaning solvents used at the source other than acetone, the Permittee shall maintain a log or other records for the identity of each solvent, its VOM and HAP content and its vapor pressure. [T1]
- II. Pursuant to 39.5(7)(b) and (e) of the Act, the Permittee shall keep and maintain the records required in Condition 3.4(a)(ii)(b) and Section 7.3 of this permit and copies of all data, assumptions, and calculations used to demonstrate compliance with the source-wide VOM emissions (tons) limit for the period from May 1 through September 30 shown in Condition 3.3(a)(i)(A)(I).
- III. Pursuant to Section 39.5(7)(b) and (e) of the Act, the Permittee shall keep the records of any citizens odor complaints submitted directly to the source, inspections, evaluations, and assessments of

odors being released, along with the logs of any correction actions made.

4. Synthetic Minor Limits

a. i. Construction Permit 00120001 Requirements [T1]

- A. Pursuant to Construction Permit 00120001, VOM emissions from the manufacturing operations at the affected plant, including gel coat, casting, product repair, mold preparation and cleanup operations shall not exceed 4.0 tons/month and 22.5 tons/year. [T1]
- B. Pursuant to Construction Permit 00120001, the amount of resin material used in the manufacturing operations at the affected plant, including gel coat, casting resin, repair resin, and mold resins, shall not exceed 325 tons/month and 1,860 tons/year. [T1]

ii. Compliance Method (Construction Permit 00120001)

Monitoring

- A. Pursuant to Section 39.5(7)(d) of the Act and Construction Permit 00120001, the Permittee shall demonstrate compliance with the requirements in Condition 3.4(a)(i)(A), as follows:
 - I. Compliance with the monthly VOM emissions limitations in Condition 3.4(a)(i)(A), shall be determined from the sum total of VOM emissions from the source for the month of record.
 - II. Pursuant to Construction Permit 00120001, compliance with annual limits shall be determined from a running total of 12 months of data, i.e., from the sum of the data for the current month plus the preceding 11 months. [T1]
 - III. Emissions shall be determined using appropriate emission factors and/or emission calculation procedures which in order of preference shall be factors from on-site testing, manufacturer's emission data, and emission factors from USEPA's Compilation of Air Pollutant Emission Factors (AP-42).
 - IV. The Permittee shall demonstrate compliance using the same data and VOM emission calculations used to demonstrate compliance for the VOM emissions limitations shown in Section 3.3 and 4.0.
- B. Pursuant to Section 39.5(7)(d) of the Act, the Permittee shall demonstrate compliance with the requirements in Condition 3.4(a)(i)(B) shall be based upon the usage records required in Condition 3.4(a)(ii)(C).

Recordkeeping

- C. Pursuant to Construction Permit 00120001, the Permittee shall maintain records of the following information, and such other items as may be necessary to verify compliance: [T1]
 - I. For each VOM containing material or class or type of material used at the affected source (i.e., raw polyester styrene resin, gel coat, solvents other than acetone, etc.), the name(s) or identification number(s) and VOM content, with supporting documentation;
 - II. Usage of VOM containing materials by type or class of material (pounds/month and pounds/year);

- III. Total amount of resin material used in the manufacturing operations (tons/month and tons/year);
- IV. Emissions of VOM by type or class of material (pounds/month and pounds/year), with supporting calculations; and
- V. Total VOM emissions (tons/year), on a month basis, compiled at least quarterly.

5. Source-wide Non-Applicability Determinations

- a. Pursuant to 35 IAC 212.302(a), the operations at this source are not subject to 35 IAC 212.304 through 212.310 and 212.312 because it is not located in any of townships listed in 35 IAC 212.302(a).
- b. Pursuant to 35 IAC 212.302(b), the operations at this source are not subject to 35 IAC 212.304 through 212.310, 212.312, and 212.316 because it is not located in the geographical areas defined in 35 IAC 212.324(a)(1).
- c. Pursuant to 35 IAC 212.700, the source is not subject to 35 IAC Part 212 Subpart U because the source is not located in the areas designated in and subject to 35 IAC 212.324(a)(1) or 212.423(a).
- d. Pursuant to 35 IAC 244.142, the source is not subject to the requirement for an episode action plan, pursuant to 35 IAC 244.141, because the source is not a facility of a type set forth in 35 IAC 244.142.
- e. Pursuant to 40 CFR 68.10, the source is not subject to the federal regulations for Chemical Accident Prevention in 40 CFR Part 68 because the source does not meet the listed applicability requirements.

6. Reporting Requirements

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

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows:
 - I. Requirements in Conditions 3.1(a)(i), 3.1(c), and 3.1(d).
 - II. Requirements in Conditions 3.2(c), 3.3(a) and 3.4(a).
- 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 Reports 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.

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- 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.

b. Semiannual Reporting

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

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

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

c. Annual Emissions Reporting

Pursuant to 35 IAC Part 254, the Source shall submit an Annual Emission Report 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. NESHAP Reporting

- i. Pursuant to Section 39.5(7)(f) of the Act, the compliance and deviation reports required as follows must be based upon the emission unit and/or operational specific monitoring and recordkeeping requirements specified in Section 4.0.
- ii. Pursuant to 40 CFR 63.5905(b), if any information submitted in any notification required pursuant to 40 CFR 63.5905(a) and Table 13 to 40 CFR 63 Subpart WWWW changes, the Permittee must submit the changes in writing to the IEPA, Air Compliance Section, within 15 calendar days after the change.
- iii. Pursuant to 40 CFR 63.5910(a) and (b) and Table 14 to 40 CFR 63 Subpart WWWW, according to the schedule shown in Table 14 to 40 CFR 63 Subpart WWWW, the Permittee must submit the semiannual compliance reports as specified in 40 CFR 63.5910(b)(3) through (b)(5) and Table 14 to 40 CFR 63 Subpart WWWW.
- iv. Pursuant to 40 CFR 63.5910(c), the compliance report must contain the applicable information shown in 40 CFR 63.5910(c)(1) through (c)(6). This includes the following:
 - A. Company name and address.
 - B. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
 - C. Date of the report and beginning and ending dates of the reporting period.
 - D. If there are no deviations from any organic HAP emissions limitations (emissions limit and operating limit) that applicable to the source, and there are no deviations from the requirements for work practice standards in Table 4 to 40 CFR 63 Subpart WWWW, a statement that there were no deviations

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from the organic HAP emissions limitations or work practice standards during the reporting period.

- v. Pursuant to 40 CFR 63.5910(d), for each deviation from an organic HAP emissions limitation (i.e., emissions limit and operating limit) and for each deviation from the requirements for work practice standards that occurs at an affected source, the compliance report must contain the information in Condition 3.5(d)(iv) and 40 CFR 63.5910(c)(1) through (3) and the following information:
 - A. The total operating time of each affected source during the reporting period.
 - B. Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.
- vi. Pursuant to 40 CFR 63.5910(f), the Permittee must report if source exceeded the 100 tpy organic HAP emissions threshold if that exceedance would make the facility subject to 40 CFR 63.5805(d). Any request for an exemption under 40 CFR 63.5805(e) may be included in the report. If the Permittee received an exemption under 40 CFR 63.5805(e) and subsequently exceed the 100 tpy organic HAP emissions threshold, the Permittee must report this exceedance as required in 40 CFR 63.5805(f).
- vii. Pursuant to 40 CFR 63.5910(g), the Permittee must report all deviations as defined in 40 CFR 63 Subpart WWWW in the semiannual monitoring report required by Condition 3.5(b). If an affected source submits a compliance report pursuant to Table 14 to 40 CFR 63 Subpart WWWW along with, or as part of, the semiannual monitoring report required by Condition 3.5(b), and the compliance report includes all required information concerning deviations from any organic HAP emissions limitation (including any operating limit) or work practice requirement in 40 CFR 63 Subpart WWWW, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the Illinois EPA.
- viii. Pursuant to 40 CFR 63.5910(i), where multiple compliance options are available, the Permittee must state in the next compliance report if the compliance options have changed since last compliance report.

Section 4 - Emission Unit Requirements

4.1 Open Molding Operation (Gelcoat Booth)

1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
<u>Open Molding:</u>					
Gelcoat Booth Non-atomized gelcoat applicators and curing area	Opacity, PM, VOM/HAP	2002	N/A	Filter	None

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. Periodic Monitoring Compliance Method (Opacity Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, the Permittee shall perform observations for visible emissions and/or opacity on each external process vent or exhaust in accordance with Method 22 for visible emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to the following: maintenance and repair and/or adjustment of the affected process. 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 39.5(7)(b) and (e) of the Act, the Permittee shall collect and maintain the following records of the visible emissions and/or opacity observations required by Condition 4.1.2(a)(ii)(A). These records shall include the following:

I. Copies of all field data sheets which includes but is not limited to the following

- (1) Date and time the observations were performed;
- (2) Name(s) of observing personnel and their affiliation;
- (3) The total elapsed time for each observation, i.e., the observation period, pursuant to the method used;

- (4) Identification of the equipment which was observed; and
 - (5) The findings of the observation including the presence of any visible emissions;
- II. Notes as to whether or not the equipment was running properly;
- III. If applicable, 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 which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, to exceed the allowable emission rates specified in 35 IAC 212.321(c).

ii. Periodic Monitoring Compliance Method (PM Requirements)

Monitoring

- A. Pursuant to 39.5(7)(b) and (d)(ii) of the Act, the Permittee shall perform a monthly inspection of all process and vent filters to ensure proper operation of the applicable emission units listed above.

Recordkeeping

- B. Pursuant to 39.5(7)(b) and (e) of the Act, the Permittee shall keep and maintain the following monthly records:
- I. Records of the periodic inspection of filters, required in Condition 4.1.2(b)(ii)(A), which include the date of the inspections and its results;
 - II. Records for prompt repair of defects, with identification and description of defect, effect on emissions, date identified, date repaired and nature of repair; and
 - III. Demonstration of compliance based upon either each affected emission unit's average hourly PM emission rate or maximum hourly potential to emit, including copies of all data, assumptions, and calculations used to determine PM emissions for each emission unit

c. i. Volatile Organic Material Requirements (VOM)

- A. Pursuant to 35 IAC 218.301, no person shall cause or allow the discharge of more than 3.6 kg/hr (8 lb/hr) of organic material into the atmosphere from any emission unit, except as provided in 35 IAC 218.302, 218.303, or 218.304.
- B. I. Pursuant to 35 IAC 218.666(a)(1)(A), use polyester resin material with a monomer content as follows:

**Section 4 - Emission Unit Requirements
4.1 - Open Molding Operation (Gelcoat Booth)**

Polyester Resin Material	A monomer content (by weight as applied) of no more than:	Pursuant to 35 IAC 218.666(a)(1)(A)
Clear Gelcoat	50%	(iii)
Other Pigmented Gel Coats	45%	(iv)
All Other Polyester Resin Materials	35%	(v)

II. Pursuant to 35 IAC 218.666(a)(2), the Permittee shall use only high-volume low pressure (HVLP), airless, air-assisted airless, or electrostatic spray equipment, except for touch-up and repair, using a hand-held air-atomized spray gun which has a container for polyester resin material as part of the gun;

ii. Compliance Method (VOM Requirements)

Monitoring

A. I. Pursuant to 39.5(7)(b) and (d)(ii) of the Act, the Permittee shall verify compliance with the VOM emission limitation in Condition 4.1.2(c)(i)(A) and 35 IAC 218.301, on a monthly basis, by determining the gelcoat booth's average hourly VOM emission rate, i.e., the VOM emissions for the month of record divided by the hours of operation for the month. VOM emissions from the gelcoat booth shall be based upon the emission unit's actual operating data pursuant to the records and calculations required in Condition 4.1.2(c)(ii)(C)(I).

Pursuant to the recordkeeping requirements in Condition 4.1.2(c)(ii)(C)(I), the Permittee shall document and maintain records of the above referenced compliance evaluations and all data, assumptions, and calculations used to determine compliance with the requirements in Condition 4.1.2(c)(i)(A) and 35 IAC 218.301. The compliance evaluation records must document whether or not an affected emission unit is in compliance.

II. Pursuant to 39.5(7)(b) and (d)(ii) of the Act, the Permittee shall verify compliance with the requirements in Condition 4.1.2(c)(i)(B)(I) and 35 IAC 218.666(a)(1)(A), through the records required in Condition 4.1.2(c)(ii)(C)(II).

III. Pursuant to 39.5(7)(b) and (d)(ii) of the Act, the Permittee shall verify compliance with the requirements in Condition 4.1.2(c)(i)(B)(II) and 35 IAC 218.666(a)(2), through the records required in Condition 4.1.2(c)(ii)(C)(II)(5).

Testing

B. I. Pursuant to 35 IAC 218.668(a)(3), the monomer content of polyester resin materials shall be determined:

1. From supplier data and operating data;
2. By sampling and analysis by the methods set forth in South Coast Air Quality Management District (SCAQMD), Applied Science & Technology Division, Laboratory Services Branch, SCAQMD Method 312-91, Determination of Percent Monomer in Polyester Resins (April 1996), incorporated by reference in 35 IAC 218.112; or

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4.1 - Open Molding Operation (Gelcoat Booth)

3. By site-specific sampling and analysis methods approved by the Illinois EPA and USEPA in a federally enforceable permit.

In the event of a difference between data obtained by sampling and analysis and other data, the data from sampling and analysis shall govern.

- II. Pursuant to 35 IAC 218.668(b), when in the opinion of the Illinois EPA it is necessary to conduct sampling and analysis to demonstrate compliance with Condition 4.1.2(c)(i)(B)(I) and 35 IAC 218.666, the Permittee shall, at his own expense, conduct such sampling and analysis in accordance with the applicable test methods and procedures specified in Condition 4.1.2(c)(ii)(B)(I), above, and 35 IAC 218.668(a). The Illinois EPA's decision to invoke this subsection may be based on such factors including, but not limited to, a change in operation of the polyester resin products manufacturing process, or a reasonable belief that a previous test resulted in erroneous data.
- III. Pursuant to 39.5(7)(b) and (d) of the Act, the VOM content of all other VOM containing materials (e.g., mold sealing and release agents; mold stripping and cleaning materials; putties, poly-putties, and adhesives) shall be determined from supplier data or by sampling and analysis using USEPA Reference Method 24, incorporated by reference in 35 IAC 218.112.

Recordkeeping

- C. I. Pursuant to Section 39.5(7)(b) and (e) of the Act, the Permittee shall keep the following records to verify compliance with the limits in Conditions 4.1.2(c)(i)(A), as follows:
- (1) Daily and monthly records of the hours of operation of the affected emission unit;
 - (2) Quantity (lb/mo and lb/yr) and the VOM content (%) of VOM material used in the affected emission unit; and
 - (3) Monthly demonstration of compliance with the limitations in Condition 4.1.2(c)(i)(A) and 35 IAC 218.301 based upon the gelcoat booth's average hourly VOM emission rate, based upon the calculation of VOM emissions using the data listed above, including copies of all data, assumptions, and calculations used to determine VOM emissions (lb/hr).
- II. Pursuant to 35 IAC 218.672(a)(2), the Permittee must collect, record and maintain the following information to maintain a complete record of all polyester resin materials which are used by the gelcoat booth:
- (1) Pursuant to 35 IAC 35 IAC 218.672(a)(2)(A), the name and identification number of each polyester resin material used in each affected polyester resin product manufacturing process;
 - (2) Pursuant to 35 IAC 35 IAC 218.672(a)(2)(B), the particular operating requirement with which each polyester resin material will comply, the actual monomer content of the material (percent by weight) and other relevant data to show compliance with the operating requirement, including:
 - (a) Pursuant to 35 IAC 35 IAC 218.672(a)(2)(B)(i), for each polyester resin material which is classified as a clear

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4.1 - Open Molding Operation (Gelcoat Booth)

gelcoat, justification for such classification, i.e., a demonstration that the gelcoat resin is not pigmented, if the material is applied to comply with the clear gelcoat monomer content limitation in Condition 4.1.2(c)(i)(B)(I) and in 35 IAC 218.666(a)(1)(A)(iii).

- (3) Pursuant to 35 IAC 218.672(a)(2)(C), a description of the monomer content testing which was performed, in accordance with Condition 4.1.2(c)(ii)(B) and 35 IAC 218.668, to determine the monomer content of polyester resin materials and the information shown below and in 35 IAC 218.672(a)(1)(D), including data, calculations, and descriptions and results of the sampling and analysis that the Permittee has relied upon to show compliance with Condition 4.1.2(c)(i)(B)(I) and 35 IAC 218.666(a)(1).

Pursuant to 35 IAC 218.672(a)(1)(D), a description of the testing which was performed, in accordance with Condition 4.1.2(c)(ii)(A)(I) and in 35 IAC 218.668, to determine the monomer content of polyester resin materials, including data, calculations, and descriptions and results of the sampling and analysis that the owner or operator has relied upon to show compliance with Condition 4.1.2(c)(i)(B)(I) and (II) and in 35 IAC 218.666(a)(1) and (2);

- (4) Pursuant to 35 IAC 218.672(a)(2)(D), the processes and applications for which each polyester resin material may be used in compliance with applicable operating requirements; including those shown in 35 IAC 218.672(a)(2)(D)(i) through (iv), if applicable; and
- (5) Pursuant to 35 IAC 218.672(a)(2)(E), for each polyester resin material which is applied in a spraying operation, the type of spray equipment with which the material will be applied so as to comply with Condition 4.1.2(c)(i)(B)(II) and 35 IAC 218.666(a)(2).

III. Pursuant to 35 IAC 218.672(a)(3), the Permittee must collect, record and maintain the following information each day for the affected polyester resin product manufacturing processes at the source:

1. Pursuant to 35 IAC 218.672(a)(3)(A), the name, identification number and amount of each polyester resin material applied on each process; and
2. Pursuant to 35 IAC 218.672(a)(3)(B), the specific data identified pursuant to Condition 4.1.2(c)(ii)(B)(II)(4) and 35 IAC 218.672(a)(2)(D) to confirm that the polyester resin material was applied in such a manner that it complied with the applicable operating requirement.

d. i. Hazardous Air Pollutant Requirements (HAP)

- A. I. (1) Pursuant to 40 CFR 63.5805(b) and Table 3 to Subpart WWWW of Part 63, the Permittee must meet the following organic HAP emissions limits:

Open molding-gelcoat ¹	
a. tooling gel coating	440 lb/ton
b. white/off white pigmented gel coating	267 lb/ton
c. all other pigmented gel coating	377 lb/ton

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d. CR/HS or high performance gel coat	605 lb/ton
e. fire retardant gel coat	854 lb/ton
f. clear production gelcoat	522 lb/ton

(2) Pursuant to 40 CFR 63.5805(g), repair operations, as defined in 40 CFR 63.5785, at the source must meet the requirements listed in Condition 4.1.2(d)(i)(A)(I)(1) and in Table 3 to Subpart WWWW of Part 63 (Organic HAP Emissions Limits) that are applicable.

II. Pursuant to 40 CFR 63.5810, the HAP emission standards shall be met using the following:

- (1) The Permittee must use one of the methods shown in 40 CFR 63.5810(a) through (d) to meet the applicable standards for open molding in Condition 4.1.2(d)(i)(A)(I)(1) and in Table 3 to Subpart WWWW of Part 63 (Organic HAP Emissions Limits);
- (2) The Permittee may use any of the following control methods to reduce organic HAP emissions: gel coat organic HAP content, changing to nonatomized mechanical application, and using covered curing techniques;
- (3) The Permittee may use different compliance options and switch between the options shown in 40 CFR 63.5810(a) through (d), for the different operations listed in Condition 4.1.2(d)(i)(A)(I)(1) and Table 3 to Subpart WWWW of Part 63;
- (4) The Permittee must complete all necessary calculations within 30 days after the end of each month; and
- (5) If the Permittee changes to an option based on a 12-month rolling average, the Permittee must base the average on the previous 12 months of data calculated using the compliance option the Permittee is changing to, unless the Permittee was previously using an option that did not require the Permittee to maintain records of resin and gel coat use. In this case, the Permittee must immediately begin collecting resin and gel coat use data and demonstrate compliance 12 months after changing options.

II. Pursuant to 40 CFR 63.5835(a), the Permittee must be in compliance at all times with the organic HAP emissions limits in Tables 3 to 40 CFR 63 Subpart WWWW, as applicable.

III. Pursuant to 40 CFR 63.5835(c), the Permittee must always operate and maintain the affected source according to the "Operation and maintenance requirements" in 40 CFR 63.6(e)(1)(i):

IV. Pursuant to 40 CFR 63.5925, the Permittee must comply with the applicable General Provisions in 40 CFR 63.1 through 63.15 listed in Section 7.3(a) and Table 15 to 40 CFR 63 Subpart WWWW.

ii. Compliance Method (HAP Requirements)

Monitoring

- A. Pursuant to 40 CFR 63.5900(a)(2): Compliance with organic HAP emissions limits is demonstrated by maintaining an organic HAP emissions factor value less than or equal to the appropriate organic HAP emissions limit listed in Condition 4.1.2(d)(i)(A)(I)(1) and Table 3 to 40 CFR 63 Subpart WWWW, on a

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12-month rolling average, and/or by including in each compliance report a statement that individual resins and gel coats, as applied, meet the appropriate organic HAP emissions limits, as discussed in Condition 4.1.2(d)(ii)(C)(I)(2) and 40 CFR 63.5895(d).

- B. Pursuant to 40 CFR 63.5797 and 39.5(7)(b) and (c) of the Act, in order to determine the organic HAP content of resins, gel coats and fresh solvents, the Permittee may rely on information provided by the material manufacturer, such as manufacturer's formulation data and material safety data sheets (MSDS) and for resins and gel coats the procedures specified in 40 CFR 63.5797(a) through (c), as applicable.

Recordkeeping

- C. I. (1) Pursuant to 40 CFR 63.5895(c): The Permittee must collect and keep records of resin and gel coat use, organic HAP content, and operation where the resin is used if the Permittee is meeting any organic HAP emissions limits based on an organic HAP emissions limit in Condition 4.1.2(d)(i)(A)(I)(1) and Tables 3 to 40 CFR 63 Subpart WWWW. Resin use records may be based on purchase records if the Permittee can reasonably estimate how the resin is applied. The organic HAP content records may be based on MSDS or on resin specifications supplied by the resin supplier.
- (2) Pursuant to 40 CFR 63.5895(d): Resin and gel coat use records are not required for the individual resins and gel coats that are demonstrated, as applied, to meet their applicable emission as defined in 40 CFR 63.5810(a). However, the Permittee must retain the records of resin and gel coat organic HAP content, and the Permittee must include the list of these resins and gel coats and identify their application methods in the semiannual compliance reports. If after the Permittee has initially demonstrated that a specific combination of an individual resin or gel coat, application method, and controls meets its applicable emission limit, and the resin or gel coat changes or the organic HAP content increases, or the Permittee changes the application method or controls, then the Permittee must again demonstrate that the individual resin or gel coat meets its emission limit as specified in 40 CFR 63.5810(a). If any of the previously mentioned changes results in a situation where an individual resin or gel coat now exceeds its applicable emission limit in Condition 4.1.2(d)(i)(A)(I)(1) and Table 3 to 40 CFR 63 Subpart WWWW, the Permittee must begin collecting resin and gel coat use records and calculate compliance using one of the averaging options on a 12-month rolling average.
- (3) Pursuant to 40 CFR 63.5915(a)(1), the Permittee must keep and maintain a copy of each notification and report submitted to comply with 40 CFR 63 Subpart WWWW, including all documentation supporting any Initial Notification or Notification of Compliance Status submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv).
- (4) Pursuant to 40 CFR 63.5915(c), the Permittee must keep and maintain copies of all data, assumptions, and calculations used to determine organic HAP emissions factors or average organic HAP contents for all operations listed in Condition 4.1.2(d)(i)(A)(I)(1) and Table 3 to 40 CFR 63 Subpart WWWW.

e. i. Work Practice Requirements

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VOM Emissions Control

- A. I. Pursuant to 40 CFR 63.5835(a), the Permittee must be in compliance at all times with the work practice standards in Condition 4.1.2(e)(i)(B) and Table 4 to 40 CFR 63 Subpart WWWW.
- II. Pursuant to 35 IAC 218.666(b), the Permittee shall use closed containers for all polyester resin materials, cleaning materials which contain VOM (including waste cleaning materials), and other materials that contain VOM (including waste resin materials) in such a manner as to effectively control VOM emissions to the atmosphere and in accordance with the practices described in the compliance certification pursuant to 35 IAC 218.672(b)(1)(A);
- III. Pursuant to 35 IAC 218.666(c), the Permittee shall comply with the following operating requirements while formulating polyester resin material:
- (1) A cover shall be in place on any tank, vat, or vessel with a capacity greater than 7.5 liters (2 gallons), including a container in which polyester resin materials are delivered to the source, while polyester resin materials are being formulated. The cover shall:
 - (a) Completely cover the tank, vat, or vessel opening except for an opening no larger than necessary to allow for safe clearance for a mixer shaft;
 - (b) Extend at least 1.27 cm (0.5 inch) beyond the outer rim of the opening or be attached to the rim;
 - (c) Remain closed except when adding or removing material or when sampling or inspection procedures require access; and
 - (d) Be maintained in good condition such that, when in place, the cover maintains contact with the rim of the opening for at least 90% of the circumference of the rim.
 - (2) Carry out emissions shall be minimized when a mixer used for formulation of polyester resin material is being removed from a tank, vat, or vessel containing polyester resin material by allowing the material retained on the mixer blades to drain back into the tank, vat, or vessel before the mixer is completely removed from the tank, vat, or vessel.
- IV. Pursuant to 35 IAC 218.666(d), if the Permittee uses more than 4 gallons per day of cleaning materials which contain more than 200 grams of VOM per liter (1.7 pound per gallon), the Permittee shall use a solvent recovery system for such materials. Solvent recovery may be done at the source or by using an off-site commercial solvent recovery service. The waste residue from a solvent recovery system located at the source shall not contain more than 20% VOM by weight.

Note: Pursuant to the requirements shown above, a solvent recovery system is not currently permitted at the source, therefore if applicable; the Permittee must use an off-site commercial solvent recovery service in order to comply with the above.

HAP Emissions Control

- B. I. Pursuant to 40 CFR 63.5805(b) and Table 4 to Subpart WWWW of Part 63, the Permittee must meet the following work practice standards:
- (1) The Permittee may not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems.
 - (2) HAP-containing materials storage operation: The Permittee must keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials.
 - (3) Mixing Operations* - The Permittee must:
 - (a) Use mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation;
 - (b) Close any mixer vents when actual mixing is occurring, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety.; and
 - (c) Keep the mixer covers closed while actual mixing is occurring except when adding materials or changing covers to the mixing vessels.

*Containers of 5 gallons or less may be open when active mixing is taking place, or during periods when they are in process (i.e., they are actively being used to apply resin). For polymer casting mixing operations, containers with a surface area of 500 square inches or less may be open while active mixing is taking place.

ii. Compliance Method

Monitoring

- A. I. Pursuant to 40 CFR 63.5900(a)(4), compliance with the work practice standards in Condition 4.1.2(e)(i)(B)(I) and Table 4 to 40 CFR 63 Subpart WWWW is demonstrated by performing the work practice required for the sources applicable operations.
- II. Pursuant to 39.5(7)(b) and (d)(ii) of the Act, the Permittee shall conduct a monthly compliance verification inspection of the work practice standards listed in Condition 4.1.2(e)(i)(A) and (B).

Testing

- B. I. Pursuant to 39.5(7)(b) and (c) of the Act and 35 IAC 218.668(a)(1), the VOM and HAP content of fresh cleaning materials shall be determined from supplier data or by sampling and analysis using USEPA Reference Method 24, incorporated by reference in 35 IAC 218.112. In the event of a difference between data obtained by sampling and analysis and other data, the data from sampling and analysis shall govern.

Recordkeeping

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- C. I. Pursuant to 35 IAC 218.672(b)(2) and (c)(2) and 39.5(7)(b) and (e) of the Act, the Permittee must collect, record and maintain the following information to document that the source will be in compliance with the work practice requirements in Conditions 4.1.2(e)(i)(A) and 35 IAC 218.666(b) through (d):
- (1) Pursuant to 35 IAC 218.672(b)(2)(A) and the work practice requirement in 4.1.2(e)(i)(A)(I), the date, time and duration of scheduled inspections performed to confirm the proper use of closed containers to control VOM emissions, and any instances of improper use of closed containers, with descriptions of actual practice and corrective action taken, if any;
 - (2) Pursuant to 35 IAC 218.672(b)(2)(C) and the work practice requirement in Condition 4.1.2(e)(i)(A)(III), information on a daily basis on the use of cleaning materials which contain more than 200 grams of VOM per liter (1.7 pound per gallon). This information shall include the name, identification number, amount used and VOM content of each such cleaning material.
 - (3) Pursuant to 35 IAC 218.672(c)(2) and the work practice requirement in Condition 4.1.2(e)(i)(A)(II),
 - (a) Records of the date, time, and duration of scheduled inspections to confirm the proper use and maintenance of covers on vats, vessels, and tanks and proper drainage of mixers and any instance of improper use, with description of actual practice and corrective action taken, if any;
 - (b) A maintenance log for covers on vats, vessels, and tanks, detailing all routine and non-routine maintenance performed and initial use of new covers, including dates of such activities.
- II. (1) Pursuant to 40 CFR 63.5915(d), the Permittee must keep and maintain a certified statement that the source is in compliance with the work practice requirements in Condition 4.1.2(e)(i)(B)(I) and Table 4 to 40 CFR 63 Subpart WWWW.
- (2) Pursuant to Section 39.5(7)(b) and (e) of the Act and the work practice requirement in Condition 4.1.2(e)(i)(B)(I)(2), the date, time and duration of scheduled inspections performed to confirm the proper use of closed containers to control HAP emissions, and any instances of improper use of closed containers, with descriptions of actual practice and corrective action taken, if any;
 - (3) Pursuant to Section 39.5(7)(b) and (e) of the Act and the work practice requirement in Condition 4.1.2(e)(i)(B)(I)(3),
 - (a) Records of the date, time, and duration of scheduled inspections to confirm the proper use and maintenance of covers on vats, vessels, and tanks and proper drainage of mixers and any instance of improper use, with description of actual practice and corrective action taken, if any;
 - (b) A maintenance log for covers on vats, vessels, and tanks, detailing all routine and non-routine maintenance

performed and initial use of new covers, including dates of such activities.

3. Non-Applicability Determinations

- a. The affected gelcoat booth is not subject to the coating limitations in 35 IAC 218.204, because the processes do not have any applicable limits in 35 IAC 218.204.
- b. The affected gelcoat booth is not subject to 35 IAC 218 Subpart II: Fiberglass Boat Manufacturing Materials because the source does not meet the applicability criteria in 35 IAC 218.890.
- c. The affected gelcoat booth is not subject to 35 IAC 218 Subpart PP: Miscellaneous Fabricated Product Manufacturing Processes because the source does not meet the applicability criteria in 35 IAC 218.920.
- d. The affected gelcoat booth is not subject to 35 IAC 218 Subpart QQ: Miscellaneous Formulation Manufacturing Processes because the source does not meet the applicability criteria in 35 IAC 218.940.
- e. The affected gelcoat booth is not subject to 35 IAC 218 Subpart RR: Miscellaneous Organic Chemical Manufacturing Processes because the source does not meet the applicability criteria in 35 IAC 218.960.
- f. The affected gelcoat booth is not subject to 35 IAC 218 Subpart TT: Other Emission Units because the source does not meet the applicability criteria in 35 IAC 218.980(b)(2)(A).
- g. The affected gelcoat booth is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the affected gelcoat booth does not use an add-on control device to achieve compliance with an emission limitation or standard.
- h. The affected gelcoat booth is not subject to 40 CFR 63, Subparts U and JJJ: National Emission Standards for Hazardous Air Pollutants: Group I and IV Polymers and Resins, because the source does not meet the applicability requirements of these subparts [40 CFR 63.480 and 63.1310, respectively].

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)(i), 4.1.2(b)(i), 4.1.2(d)(i) and 4.1.2(e)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

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- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Reports required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
 - A. Date and time of the deviation.
 - B. Emission unit(s) and/or operation involved.
 - C. The duration of the event.
 - D. Probable cause of the deviation.
 - E. Corrective actions or preventative measures taken.

b. State Reporting

Pursuant to Section 39.5(7)(f)(ii) of the Act and 35 IAC 218.672, the following notifications may be submitted in conjunction with the deviation reports required in Condition 4.1.5(a):

- i.
 - A. Pursuant to 35 IAC 218.672(a)(4)(A), the Permittee shall notify the Illinois EPA of any violation of the operating requirements of 35 IAC 218 Subpart CC, pursuant to Condition 4.1.2(c)(i)(B)(II)(1) and (2) and 35 IAC 218.666(a), by sending a copy of such record to the Illinois EPA within 30 days following the occurrence of the violation; and:
 - B. Pursuant to 35 IAC 218.672(a)(4)(B), the Permittee shall notify the Illinois EPA, at least 30 calendar days before changing the method of compliance with 35 IAC 218 Subpart CC from one operating requirement among 35 IAC 218.666(a)(1)(A), (B), (C), or (D) to another operating requirement, of compliance with all requirements of Condition 35 IAC 218.672(a)(1). Upon changing the method of compliance with 35 IAC 218 Subpart CC from one operating requirement to another, the owner or operator shall comply with all applicable requirements of 35 IAC 218.672(a).
- ii. Pursuant to 35 IAC 218.672(b)(3 and (c)(3), the Permittee shall notify the Illinois EPA:
 - A. Of a violation of the requirements of 35 IAC 218 Subpart CC, pursuant to Condition 4.1.2(e)(i)(A)(I), (II) and (III) and 35 IAC 218.666(b), (c) and (d), with respect to handling practices, formulation of polyester resin material, and solvent recovery for cleaning materials, respectively, by sending a copy of all such records to the Illinois EPA within 30 days following the calendar quarter in which such violation occurred; or
 - B. Within 30 calendar days of changing the handling practices for polyester resin materials, formulation of polyester resin material, cleaning materials and waste materials or changing source practice with respect to a solvent recovery system for cleaning materials, describing the change.

c. Federal Reporting

Pursuant to 40 CFR 63 Subpart WWWW, the Permittee must submit the notifications and compliance and deviation reports required in Condition 3.5(d).

4.2 Mixing and Casting Operations

1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
<u>Gruber Marble Casting:</u> Gruber mixing/casting machine	Opacity, PM, VOM/HAP	2002	N/A	None: Vented within the Building	None
<u>Solid Surface Casting:</u> Polymer Mixing/Casting Resin Mixing Two solid surface polymer resin casting mixing kettles Solid surface polymer resin casting curing area	Opacity, PM, VOM/HAP	2002	N/A	None: Vented within the Building	None

2. Applicable Requirements

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 observations for visible emissions and/or opacity on each external process vent or exhaust in accordance with Method 22 for visible emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to the following: maintenance and repair and/or adjustment of the affected process. 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 39.5(7)(b) and (e) of the Act, the Permittee shall collect and maintain the following records of the visible emissions and/or opacity observations required by Condition 4.2.2(a)(ii)(A). These records shall include the following:

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- I. Copies of all field data sheets required by USEPA Methods 9 and/or 22 which includes but is not limited to the following
 - (1) Date and time the observations were performed;
 - (2) Name(s) of observing personnel and their affiliation;
 - (3) The total elapsed time for each observation, i.e., the observation period, pursuant to the method used;
 - (4) Identification of the equipment which was observed; and
 - (5) The findings of the observation including the presence of any visible emissions;
- II. Notes as to whether or not the equipment was running properly;
- III. If applicable, 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, no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, to exceed the allowable emission rates specified in 35 IAC 212.321(c) and Section 7.2..

ii. Compliance Method (PM Requirements)

Monitoring

- A. Pursuant to 39.5(7)(b) and (d)(ii) of the Act, the Permittee shall perform a monthly inspection of all process and vent filters to ensure proper operation of the applicable emission units listed above.

Recordkeeping

- B. Pursuant to 39.5(7)(b) and (e) of the Act, the Permittee shall keep and maintain the following records:
 - I. Records of the periodic inspection of the fabric filters, required in Condition 4.2.2(b)(ii)(A), which include the date of the inspections and its results.
 - II. Records for prompt repair of defects, with identification and description of defect, effect on emissions, date identified, date repaired and nature of repair.
 - III. Demonstration of compliance based upon either each affected emission unit's average hourly PM emission rate or maximum hourly potential to emit, including copies of all data, assumptions, and calculations used to determine PM emissions for each emission unit

c. i. Volatile Organic Material Requirements (VOM)

- A. Pursuant to 35 IAC 218.301, no person shall cause or allow the discharge of more than 3.6 kg/hr (8 lb/hr) of organic material into the atmosphere from

any emission unit, except as provided in 35 IAC 218.302, 218.303, or 218.304.

ii. Compliance Method (VOM Requirements)

- A. Pursuant to Section 39.5(7)(b) and (e) of the Act, the Permittee shall keep the following records to verify compliance with the limits in Conditions 4.2.2(c)(i)(A), as follows:
- I. Daily and monthly records of the hours of operation of the affected emission unit;
 - II. Quantity (lb/mo and lb/yr) and the VOM content (%) of VOM material used in the affected emission unit; and
 - III. Monthly demonstration of compliance with the limitations in Condition 4.2.2(c)(i)(A) and 35 IAC 218.301 based upon either the affected emission unit's average hourly VOM emission rate, based upon the calculation of VOM emissions using the data listed above, or records of the maximum hourly potential to emit, including copies of all data, assumptions, and calculations used to determine VOM emissions (lb/hr).

d. i. Work Practice Requirements

VOM Emissions Control

- A. I. Pursuant to 35 IAC 218.666(b), the Permittee shall use closed containers for all polyester resin materials, cleaning materials which contain VOM (including waste cleaning materials), and other materials that contain VOM (including waste resin materials) in such a manner as to effectively control VOM emissions to the atmosphere and in accordance with the practices described in the compliance certification pursuant to 35 IAC 218.672(b)(1)(A);
- II. Pursuant to 35 IAC 218.666(c), the Permittee shall comply with the following operating requirements while formulating polyester resin material:
- (1) A cover shall be in place on any tank, vat, or vessel with a capacity greater than 7.5 liters (2 gallons), including a container in which polyester resin materials are delivered to the source, while polyester resin materials are being formulated. The cover shall:
 - (a) Completely cover the tank, vat, or vessel opening except for an opening no larger than necessary to allow for safe clearance for a mixer shaft;
 - (b) Extend at least 1.27 cm (0.5 inch) beyond the outer rim of the opening or be attached to the rim;
 - (c) Remain closed except when adding or removing material or when sampling or inspection procedures require access; and
 - (d) Be maintained in good condition such that, when in place, the cover maintains contact with the rim of the opening for at least 90% of the circumference of the rim.

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- (2) Carry out emissions shall be minimized when a mixer used for formulation of polyester resin material is being removed from a tank, vat, or vessel containing polyester resin material by allowing the material retained on the mixer blades to drain back into the tank, vat, or vessel before the mixer is completely removed from the tank, vat, or vessel.

III. Pursuant to 35 IAC 218.666(d), if the Permittee uses more than 4 gallons per day of cleaning materials which contain more than 200 grams of VOM per liter (1.7 pound per gallon), the Permittee shall use a solvent recovery system for such materials. Solvent recovery may be done at the source or by using an off-site commercial solvent recovery service. The waste residue from a solvent recovery system located at the source shall not contain more than 20% VOM by weight.

Note: Pursuant to the requirements shown above, a solvent recovery system is not currently permitted at the source, therefore if applicable; the Permittee must use an off-site commercial solvent recovery service in order to comply with the above.

HAP Emissions Control

- B. I. Pursuant to 40 CFR 63.5805(b) and Table 4 to Subpart WWWW of Part 63, the Permittee must meet the following work practice standards:
 - (1) The Permittee may not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in a closed systems.
 - (2) HAP-containing materials storage operation: The Permittee must keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials.
 - (3) Mixing Operations* - The Permittee must:
 - (a) Use mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation;
 - (b) Close any mixer vents when actual mixing is occurring, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety.; and
 - (c) Keep the mixer covers closed while actual mixing is occurring except when adding materials or changing covers to the mixing vessels.

*Containers of 5 gallons or less may be open when active mixing is taking place, or during periods when they are in process (i.e., they are actively being used to apply resin). For polymer casting mixing operations, containers with a surface area of 500 square inches or less may be open while active mixing is taking place.

ii. Compliance Method

Monitoring

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- A. I. Pursuant to 40 CFR 63.5900(a)(4), compliance with the work practice standards in Condition 4.2.2(d)(i)(B)(I) and Table 4 to 40 CFR 63 Subpart WWWW is demonstrated by performing the work practice required for the sources applicable operations.
- II. Pursuant to 39.5(7)(b) and (d)(ii) of the Act, the Permittee shall conduct a monthly compliance verification inspection of the work practice standards listed in Condition 4.2.2(d)(i)(A) and (B).

Testing

- B. I. Pursuant to 39.5(7)(b) and (c) of the Act and 35 IAC 218.668(a)(1), the VOM and HAP content of fresh cleaning materials shall be determined from supplier data or by sampling and analysis using USEPA Reference Method 24. In the event of a difference between data obtained by sampling and analysis and other data, the data from sampling and analysis shall govern.

Recordkeeping

- C. I. Pursuant to 35 IAC 218.672(b)(2) and (c)(2) and 39.5(7)(b) and (e) of the Act, the Permittee must collect, record and maintain the following information to document that the source will be in compliance with the work practice requirements in Conditions 4.2.2(d)(i)(A) and 35 IAC 218.666(b) through (d):
 - (1) Pursuant to 35 IAC 218.672(b)(2)(A) and the work practice requirement in Condition 4.2.2(d)(i)(A)(I), the date, time and duration of scheduled inspections performed to confirm the proper use of closed containers to control VOM emissions, and any instances of improper use of closed containers, with descriptions of actual practice and corrective action taken, if any;
 - (2) Pursuant to 35 IAC 218.672(b)(2)(C) and the work practice requirement in Condition 4.2.2(d)(i)(A)(III), information on a daily basis on the use of cleaning materials which contain more than 200 grams of VOM per liter (1.7 pound per gallon). This information shall include the name, identification number, amount used and VOM content of each such cleaning material.
 - (3) Pursuant to 35 IAC 218.672(c)(2) and the work practice requirement in Condition 4.2.2(d)(i)(A)(II),
 - (a) Records of the date, time, and duration of scheduled inspections to confirm the proper use and maintenance of covers on vats, vessels, and tanks and proper drainage of mixers and any instance of improper use, with description of actual practice and corrective action taken, if any;
 - (b) A maintenance log for covers on vats, vessels, and tanks, detailing all routine and non-routine maintenance performed and initial use of new covers, including dates of such activities.
- II. (1) Pursuant to 40 CFR 63.5915(d), the Permittee must keep and maintain a certified statement that the source is in compliance with the work practice requirements in Condition 4.2.2(d)(i)(B)(I) and Table 4 to 40 CFR 63 Subpart WWWW.

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- (2) Pursuant to Section 39.5(7)(b) and (e) of the Act and the work practice requirement in Condition 4.2.2(d)(i)(B)(I)(2), the date, time and duration of scheduled inspections performed to confirm the proper use of closed containers to control HAP emissions, and any instances of improper use of closed containers, with descriptions of actual practice and corrective action taken, if any;
- (3) Pursuant to Section 39.5(7)(b) and (e) of the Act and the work practice requirement in Condition 4.2.2(d)(i)(B)(I)(3),
 - (a) Records of the date, time, and duration of scheduled inspections to confirm the proper use and maintenance of covers on vats, vessels, and tanks and proper drainage of mixers and any instance of improper use, with description of actual practice and corrective action taken, if any;
 - (b) A maintenance log for covers on vats, vessels, and tanks, detailing all routine and non-routine maintenance performed and initial use of new covers, including dates of such activities.

3. Non-Applicability Determinations

- a. The affected mixing and casting operations are not subject to 35 IAC 218 Subpart II: Fiberglass Boat Manufacturing Materials because the source does not meet the applicability criteria in 35 IAC 218.890.
- b. The affected mixing and casting operations are not subject to 35 IAC 218 Subpart PP: Miscellaneous Fabricated Product Manufacturing Processes because the source does not meet the applicability criteria in 35 IAC 218.920.
- c. The affected mixing and casting operations are not subject to 35 IAC 218 Subpart QQ: Miscellaneous Formulation Manufacturing Processes because the source does not meet the applicability criteria in 35 IAC 218.940.
- d. The affected mixing and casting operations are not subject to 35 IAC 218 Subpart RR: Miscellaneous Organic Chemical Manufacturing Processes because the source does not meet the applicability criteria in 35 IAC 218.960.
- e. The affected mixing and casting operations are not subject to 35 IAC 218 Subpart TT: Other Emission Units because the source does not meet the applicability criteria in 35 IAC 218.980(b)(2)(A).
- f. The affected mixing and casting operations are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the affected mixing and casting operations do 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.

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a. Prompt Reporting

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

b. State Reporting

Pursuant to Section 39.5(7)(f)(ii) of the Act and 35 IAC 218.672, the following notifications may be submitted in conjunction with the deviation reports required in Condition 4.2.5(a):

- i. Pursuant to 35 IAC 218.672(b)(3 and (c)(3), the Permittee shall notify the Illinois EPA:
 - A. Of a violation of the requirements of 35 IAC 218 Subpart CC, pursuant to Condition 4.2.2(d)(i)(A)(I), (II) and (III) and 35 IAC 218.666(b), (c) and (d), with respect to handling practices, formulation of polyester resin material, and solvent recovery for cleaning materials, respectively, by sending a copy of all such records to the Illinois EPA within 30 days following the calendar quarter in which such violation occurred; or
 - B. Within 30 calendar days of changing the handling practices for polyester resin materials, formulation of polyester resin material, cleaning materials and waste materials or changing source practice with respect to a solvent recovery system for cleaning materials, describing the change.

c. Federal Reporting

Pursuant to 40 CFR 63 Subpart WWWW, the Permittee must submit the notifications and compliance and deviation reports required in Condition 3.5(d).

4.3 Miscellaneous Operations

1. **Emission Units and Operations**

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
<u>Miscellaneous Operations:</u> VOM emitted during the application and/or curing of mold release agents, sealers, and during wipe and maintenance cleaning.	Opacity, PM, VOM/HAP	2002	N/A	None: Vented within the Building	None

2. **Applicable Requirements**

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 observations for visible emissions and/or opacity on each external process vent or exhaust in accordance with Method 22 for visible emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to the following: maintenance and repair and/or adjustment of the affected process. 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 39.5(7)(b) and (e) of the Act, the Permittee shall collect and maintain the following records of the visible emissions and/or opacity observations required by Condition 4.3.2(a)(ii)(A). These records shall include the following:

I. Copies of all field data sheets required by USEPA Methods 9 and/or 22 which includes but is not limited to the following

- (1) Date and time the observations were performed;
- (2) Name(s) of observing personnel and their affiliation;
- (3) The total elapsed time for each observation, i.e., the observation period, pursuant to the method used;

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- (4) Identification of the equipment which was observed; and
- (5) The findings of the observation including the presence of any visible emissions;

- II. Notes as to whether or not the equipment was running properly;
- III. If applicable, 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, no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, to exceed the allowable emission rates specified in 35 IAC 212.321(c) and Section 7.2..

ii. Compliance Method (PM Requirements)

Monitoring

- A. Pursuant to 39.5(7)(b) and (d)(ii) of the Act, the Permittee shall perform a monthly inspection of all process and vent filters to ensure proper operation of the applicable emission units listed above.

Recordkeeping

- B. Pursuant to 39.5(7)(b) and (e) of the Act, the Permittee shall keep and maintain the following records:
 - I. Records of the periodic inspection of the fabric filters, required in Condition 4.3.2(b)(ii)(A), which include the date of the inspections and its results.
 - II. Records for prompt repair of defects, with identification and description of defect, effect on emissions, date identified, date repaired and nature of repair.
 - III. Demonstration of compliance based upon either each affected emission unit's average hourly PM emission rate or maximum hourly potential to emit, including copies of all data, assumptions, and calculations used to determine PM emissions for each emission unit

c. i. Volatile Organic Material Requirements (VOM)

- A. Pursuant to 35 IAC 218.301, no person shall cause or allow the discharge of more than 3.6 kg/hr (8 lb/hr) of organic material into the atmosphere from any emission unit, except as provided in 35 IAC 218.302, 218.303, or 218.304.

ii. Compliance Method (VOM Requirements)

- B. Pursuant to Section 39.5(7)(b) and (e) of the Act, the Permittee shall keep the following records to verify compliance with the limits in Conditions 4.3.2(c)(i)(A), as follows:

- I. Daily and monthly records of the hours of operation of the affected emission unit;
- II. Quantity (lb/mo and lb/yr) and the VOM content (%) of VOM material used in the affected emission unit; and
- III. Monthly demonstration of compliance with the limitations in Condition 4.3.2(c)(i)(A) and 35 IAC 218.301 based upon either the affected emission unit's average hourly VOM emission rate, based upon the calculation of VOM emissions using the data listed above, or records of the maximum hourly potential to emit, including copies of all data, assumptions, and calculations used to determine VOM emissions (lb/hr).

3. Non-Applicability Determinations

- a. The affected miscellaneous operations are not subject to the coating limitations in 35 IAC 218.204, because the processes do not have any applicable limits in 35 IAC 218.204.
- a. The affected miscellaneous operations are not subject to the coating limitations in 35 IAC 218.204, because the processes do not have any applicable limits in 35 IAC 218.204.
- b. The affected miscellaneous operations are not subject to 35 IAC 218 Subpart II: Fiberglass Boat Manufacturing Materials because the source does not meet the applicability criteria in 35 IAC 218.890.
- c. The affected miscellaneous operations are not subject to 35 IAC 218 Subpart PP: Miscellaneous Fabricated Product Manufacturing Processes because the source does not meet the applicability criteria in 35 IAC 218.920.
- d. The affected miscellaneous operations are not subject to 35 IAC 218 Subpart QQ: Miscellaneous Formulation Manufacturing Processes because the source does not meet the applicability criteria in 35 IAC 218.940.
- e. The affected miscellaneous operations are not subject to 35 IAC 218 Subpart TT: Other Emission Units because the source does not meet the applicability criteria in 35 IAC 218.980(b)(2)(A).
- f. The affected miscellaneous operations are not subject to 40 CFR 63, Subparts U and JJJ: National Emission Standards for Hazardous Air Pollutants: Group I and IV Polymers and Resins, because the source does not meet the applicability requirements of these subparts [40 CFR 63.480 and 63.1310, respectively].
- g. The affected miscellaneous operations are not subject to 40 CFR 63, Subpart WWWW- National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production, because, pursuant to 40 CFR 63.5790(c), these operations are specifically excluded from any requirements in 40 CFR 63 Subpart WWWW.

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

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- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
 - I. Requirements in Conditions 4.3.2(a)(i), 4.3.2(b)(i), and 4.3.2(c)(i),.
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
 - A. Date and time of the deviation.
 - B. Emission unit(s) and/or operation involved.
 - C. The duration of the event.
 - D. Probable cause of the deviation.
 - E. Corrective actions or preventative measures taken.

Section 5 - Additional Title I Requirements

1. Construction Permits

a. Construction Permit #00120001 [T1]

i. Emission Units and Operations

<i>Section</i>	<i>Emission Units</i>	<i>Pollutants Being Regulated</i>
4.1	Open Molding Operation (Gelcoat Booth)	VOM/PM
4.2	Mixing and Casting Operations	VOM/PM
4.3	Miscellaneous Operations	VOM/PM
6.1	4,500 Gallons Resin Storage Tank	VOM
6.1	Maintenance Cleaning Operations including Marble Wash	VOM

ii. Applicable Requirements

In addition to the requirements in Sections 4 and 6 of this permit for the emission units in Condition 5.1(a)(i) 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. Pursuant to Construction Permit 00120001, the Permittee shall comply with the following:

- I. This permit is issued based on negligible emissions of VOM from bulk resin storage and other miscellaneous operations at the affected plant. For this purpose, VOM emissions from bulk resin storage, cleaning operations and miscellaneous operations shall each not exceed a nominal emission rate of 0.44 ton/year. [T1]
- II. This permit is issued based on negligible emissions of particulate matter from the gel coat, casting and other operations at the affected plant. For this purpose, emissions from each operation shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/yr. [T1]

ii. Compliance Method

Monitoring

A. Pursuant to Section 39.5(7)(d) of the Act, the Permittee shall verify compliance with the requirements in Condition 3.3(a)(i)(A), as follows:

- I. Compliance with the annual VOM limits from bulk resin storage, cleaning operations and miscellaneous operations, as per Condition 5.1(a)(ii)(A)(I), shall be determined from a running total of 12 months of data, i.e., from the sum of the data for the current month plus the preceding 11 months of data;
- II. Compliance with the annual PM limits from gel coat, casting and other operations at the affected plant, as per 5.1(a)(ii)(A)(II), shall be determined from a running total of 12 months of data, i.e., from the sum of the data for the current month plus the preceding 11 months data, or upon the annual PM maximum potential to emit for these operations;

- III. Compliance with the hourly PM limits from gel coat, casting and other operations at the affected plant, as per Condition 5.1(a)(ii)(A)(II), shall be determined from the monthly emissions total or the monthly potential to emit, e.g., annual PM maximum potential to emit divided by 12 months, divided by actual hours of operation; and
- IV. The Permittee shall perform a monthly inspection of the process and vent filters to ensure proper operation of the gel coat, casting and other operations at the source. Defective or malfunctioning filters shall be repaired or replaced within 7 business days.

Recordkeeping

- B. I. Pursuant to 39.5(7)(b) and (e) of the Act, the Permittee shall keep and maintain the following records, including, as applicable, copies of all data, assumptions, and calculations:
 - (1) Material and solids usages (tons/mo and tons/year);
 - (2) Hours of operation (hours/mo);
 - (3) VOM from bulk resin storage, cleaning operations and miscellaneous operations (tons/year); and
 - (4) PM emissions from gel coat, casting and other operations (lb/hr and tons/year); and
 - (5) Periodic inspection and repair log, which include the date of the inspections and/or corrective action, identification of any defects, and nature of any corrective action.

b. **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.

i. **Prompt Reporting**

- A. I. 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:

Requirements in Conditions 5.1(a)(ii)(A).
- II. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- B. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Reports required by Condition 3.5(b).
- C. The deviation reports shall contain at a minimum the following information:
 - I. Date and time of the deviation.
 - II. Emission unit(s) and/or operation involved.
 - III. The duration of the event.
 - IV. Probable cause of the deviation.
 - V. Corrective actions or preventative measures taken.

Section 6 - Insignificant Activities Requirements

1. Insignificant Activities Subject to Specific Regulations

Pursuant to 35 IAC 201.146, the following activities at the source constitute insignificant activities obligated to comply with Sections 9.1(d) and Section 39.5 of the Act; Sections 165, 173, and 502 of the Clean Air Act; or any other applicable permit or registration requirements:

<i>Insignificant Activity</i>	<i>Number of Units</i>	<i>Insignificant Activity Category</i>
4,500 Gallons Resin Storage Tank	1	35 IAC 201.210(a)(1) and 201.211
Maintenance Cleaning Operations including Marble Wash	1	35 IAC 201.210(a)(1) and 201.211

a. 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 in addition to the applicable requirements in Condition 6.4:

i. National Emission Standards for Hazardous Air Pollutants (NESHAP)

A. 40 CFR 63 Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

I. Pursuant to 40 CFR 63.5790(b), this permit is issued based upon the resin storage tank and maintenance cleaning operations being part of the affected source pursuant to 40 CFR 63 Subpart WWWW - National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production. Subsequently, the affected emission units must comply with all applicable provisions of 40 CFR 63 Subpart WWWW. These include but are not limited to the following:

1. Work Practice Standards: Pursuant to 40 CFR 63.5805(b) and 63.5835(a), the Permittee must be in compliance at all times with the work practice standards in Table 4 of 40 CFR 63 Subpart WWWW that apply, regardless of the quantity of HAP emitted.

Table 4 to Subpart WWWW of Part 63 -Work Practice Standards

- HAP-containing materials storage operation: The Permittee must keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.
- Maintenance cleaning operations: The Permittee must not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin.

II. Pursuant to 40 CFR 63.5835(a), the Permittee must be in compliance at all times with the work practice standards in Table 4 to 40 CFR 63 Subpart WWWW, as well as the organic HAP emissions limits in Tables 3, as applicable, that the Permittee is meeting without the use of add-on controls.

III. Pursuant to 40 CFR 63.5835(c) and as shown in Condition 4.1.2(d)(i)(A)(XI), the Permittee must always operate and maintain

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the affected source according to the "Operation and maintenance requirements" in 40 CFR 63.6(e)(1)(i):

- IV. Pursuant to 40 CFR 63.5925, the, the Permittee must comply with the applicable General Provisions in 40 CFR 63.1 through 63.15 listed in Section 7.3 and Table 15 to 40 CFR 63 Subpart WWWW.

B. Compliance Method (NESHAP)

- I. Pursuant to 39.5(7)(b), (c), (d) and (e) of the Act, the Permittee shall verify compliance with the applicable requirements in Conditions 6.1(a)(i)(A) and 40 CFR 63.5790(b), 63.5835(a) and (c), and 63.5925, respectively, by complying with the applicable monitoring, testing, recordkeeping and reporting requirements in Conditions 4.1.2(d)(ii) and 4.1.5.

ii. **State Requirements (SIP)**

A. VOM: 35 IAC 218 Subpart CC: Polyester Resin Product Manufacturing Process

- I. Pursuant to 35 IAC 218.666(b), the Permittee shall use closed containers for all polyester resin materials, cleaning materials which contain VOM (including waste cleaning materials), and other materials that contain VOM (including waste resin materials) in such a manner as to effectively control VOM emissions to the atmosphere and in accordance with the practices described in the certification pursuant to 35 IAC 218.672(b)(1)(A).
- II. Pursuant to 35 IAC 218.666(c), the Permittee shall comply with the following operating requirements while formulating polyester resin material:
1. A cover shall be in place on any tank, vat, or vessel with a capacity greater than 7.5 liters (2 gallons), including a container in which polyester resin materials are delivered to the source, while polyester resin materials are being formulated. The cover shall:
 - Completely cover the tank, vat, or vessel opening except for an opening no larger than necessary to allow for safe clearance for a mixer shaft;
 - Extend at least 1.27 cm (0.5 inch) beyond the outer rim of the opening or be attached to the rim;
 - Remain closed except when adding or removing material or when sampling or inspection procedures require access; and
 - Be maintained in good condition such that, when in place, the cover maintains contact with the rim of the opening for at least 90% of the circumference of the rim.
 2. Carry out emissions shall be minimized when a mixer used for formulation of polyester resin material is being removed from a tank, vat, or vessel containing polyester resin material by allowing the material retained on the mixer blades to drain back into the tank, vat, or vessel before the mixer is completely removed from the tank, vat, or vessel.
- III. Pursuant to 35 IAC 218.666(d), in the event that source uses more than 4 gallons per day of cleaning materials which contain more than 200 grams of VOM per liter (1.7 pound per gallon), the Permittee shall use a solvent recovery system for such materials. Solvent

recovery must be done using an off-site commercial solvent recovery service.

Note: Pursuant to Construction Permit #00120001, VOM emissions from bulk resin storage, cleaning operations and miscellaneous operations are limited to an emission rate of 0.44 ton/year or less.

B. Compliance Method (VOM Requirements)

- I. Pursuant to 39.5(7)(b), (c), (d) and (e) of the Act, the Permittee shall verify compliance with the applicable work practice requirements in Conditions 6.1(a)(ii)(A) and 35 IAC 218.666(b) through (d), respectively, by complying with the applicable monitoring, testing, recordkeeping and reporting requirements in Conditions 4.1.2(c)(ii)(A)(II), (B), and (C)(II) and 4.1.5, respectively.

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:

<i>Insignificant Activity</i>	<i>Number of Units</i>	<i>Insignificant Activity Category</i>
Direct combustion units used for comfort heating and fuel combustion emission units as further detailed in 35 IAC 201.210(a)(4).	2	35 IAC 201.210(a)(4)

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 218.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 946 l (250 gal), unless such tank is equipped with a permanent submerged loading pipe or an equivalent device approved by the Illinois EPA according to the provisions of 35 IAC 201, and further processed consistent with 35 IAC 218.108, or unless such tank is a pressure tank as described in 35 IAC 218.121(a) or is fitted with a recovery system as described in 35 IAC 218.121(b)(2). Exception as provided in 35 IAC 218.122(c): If no odor nuisance exists the limitations of 35 IAC 218.122 shall only apply to the loading of VOL with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3°K (70°F).
- c. Pursuant to 35 IAC 218.301, no person shall cause or allow the discharge of more than 8 lbs/hr of organic material into the atmosphere from any emission source, except as provided in 35 IAC 218.302, 218.303, 218.304 and the following exception: If no odor nuisance exists the limitation of 35 IAC 218 Subpart K shall apply only to photochemically reactive material.

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- d. Pursuant to 35 IAC 218 Subpart PP, QQ, RR, and/or TT, VOM emissions from insignificant activities required to be included in determining applicability of 35 IAC 218 Subpart PP, QQ, RR, and/or TT, in conjunction with applicable emission units in Section 4 of this permit, shall not equal or exceed 25 ton/yr.

5. Compliance Method

Pursuant to Section 39.5(7)(b) of the Act, the source shall maintain records of the following items:

- a. List of all insignificant activities, including insignificant activities added as specified in Condition 5.6, the categories the insignificant activities fall under, and supporting calculations as needed.
- b. Potential to emit emission calculations before any air pollution control device for each insignificant activity.

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), 35 IAC 201.146(kkk), and Sections 39.5(12)(a) and (b) of the Act; 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. A construction permit is not 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), 35 IAC 201.146(kkk), and Sections 39.5(12)(a) and (b) of the Act; 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. A construction permit is not 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 change made in Condition 6.6(a) 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

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identified in Conditions 6.1 or 6.2, a notification is not required until the renewal of this permit. A construction permit is not required.

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. A construction permit 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)]:

<u>P</u> (T/hr)	<u>E</u> (lbs/hr)	<u>P</u> (T/hr)	<u>E</u> (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. Emissions Reduction Market System (ERMS) Requirements

- a. Pursuant to 35 IAC Part 205, ERMS seasonal emissions of VOM during the seasonal allotment period from May 1 through September 30 shall not exceed 10 tons/year.
- b. Pursuant to 35 IAC 205, the Permittee shall maintain the following records to allow the confirmation of actual VOM emissions during the seasonal allotment period:
 - i. Records of operating data and other information for each individual emission unit or group of related emission units at the source, as specified in Sections 3 and 4 of this permit, as appropriate, to determine actual VOM emissions during the seasonal allotment period.
 - ii. Records of the VOM emissions, in tons, during the seasonal allotment period, with supporting calculations, for each individual emission unit or group of related emission units at the source, determined in accordance with the procedures specified in Sections 3 and 4 of this permit.
 - iii. Total VOM emissions from the source, in tons, during each seasonal allotment period, which shall be compiled by November 30 of each year.
- c. Pursuant to 35 IAC Section 205.150(c), in the event that the source's VOM emissions during the seasonal allotment period equal or exceed 10 tons, the source shall become a participating source in the ERMS and beginning with the following seasonal allotment period, shall comply with 35 IAC Part 205, by holding allotment trading units (ATUs) for its VOM emissions during each seasonal allotment period, unless the source obtains exemption from the ERMS by operating with seasonal VOM emissions of no more than 15 tons pursuant to a limitation applied for and established in its CAAPP permit.

4. 40 CFR 63 Subpart A Requirements (NESHAP)

a. 40 CFR 63 Subpart A and Subpart WWWW-National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

Pursuant to 40 CFR 63 Subpart A and Table 15 to 40 CFR 63 Subpart WWWW, the Permittee shall comply with the following applicable General Provisions as indicated:

General Provision Citation	Subject of Citation	General Provision Applicable?	Explanation (if required)
§63.1(a) (1)	General applicability of the general provisions	Yes	Additional terms defined in subpart WWWW of Part 63, when overlap between subparts A and WWWW of Part 63 of this part, subpart WWWW of Part 63 takes precedence.
§63.1(a) (2) through (4)	General applicability of the general provisions	Yes	
§63.1(a) (5)	Reserved	No	
§63.1(a) (6)	General applicability of the general provisions	Yes	
§63.1(a) (7) through (9)	Reserved	No	
§63.1(a) (10) through (14)	General applicability of the general provisions	Yes	
§63.1(b) (1)	Initial applicability determination	Yes	Subpart WWWW of Part 63 clarifies the applicability in §§63.5780 and 63.5785.
§63.1(b) (2)	Reserved	No.	
§63.1(b) (3)	Record of the applicability determination	Yes	
§63.1(c) (1)	Applicability of this part after a relevant standard has been set under this part	Yes	Subpart WWWW of Part 63 clarifies the applicability of each paragraph of subpart A to sources subject to subpart WWWW of Part 63.
§63.1(c) (2)	Title V operating permit requirement	Yes	All major affected sources are required to obtain a title V operating permit. Area sources are not subject to subpart WWWW of Part 63.
§63.1(c) (3) and (4)	Reserved	No	
§63.1(c) (5)	Notification requirements for an area source that increases HAP emissions to major source levels	Yes	
§63.1(d)	Reserved	No	
§63.1(e)	Applicability of permit program before a relevant standard has been set under this part	Yes	
§63.2	Definitions	Yes	Subpart WWWW of Part 63 defines terms in §63.5935. When overlap between subparts A and WWWW of Part 63 occurs, you must comply

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General Provision Citation	Subject of Citation	General Provision Applicable?	Explanation (if required)
			with the subpart WWWW of Part 63 definitions, which take precedence over the subpart A definitions.
§63.3	Units and abbreviations	Yes	Other units and abbreviations used in subpart WWWW of Part 63 are defined in subpart WWWW of Part 63.
§63.4	Prohibited activities and circumvention	Yes	§63.4(a)(3) through (5) is reserved and does not apply.
§63.5(a)(1) and (2)	Applicability of construction and reconstruction	Yes	Existing facilities do not become reconstructed under subpart WWWW of Part 63.
§63.5(b)(1)	Relevant standards for new sources upon construction	Yes	Existing facilities do not become reconstructed under subpart WWWW of Part 63.
§63.5(b)(2)	Reserved	No	
§63.5(b)(3)	New construction/reconstruction	Yes	Existing facilities do not become reconstructed under subpart WWWW of Part 63.
§63.5(b)(4)	Construction/reconstruction notification	Yes	Existing facilities do not become reconstructed under subpart WWWW of Part 63.
§63.5(b)(5)	Reserved	No	
§63.5(b)(6)	Equipment addition or process change	Yes	Existing facilities do not become reconstructed under subpart WWWW of Part 63.
§63.5(c)	Reserved	No	
§63.5(d)(1)	General application for approval of construction or reconstruction	Yes	Existing facilities do not become reconstructed under subpart WWWW of Part 63.
§63.5(d)(2)	Application for approval of construction	Yes	
§63.5(d)(3)	Application for approval of reconstruction	No	
§63.5(d)(4)	Additional information	Yes	
§63.5(e)(1) through (5)	Approval of construction or reconstruction	Yes	
§63.5(f)(1) and (2)	Approval of construction or reconstruction based on prior State preconstruction review	Yes	
§63.6(a)(1)	Applicability of compliance with standards and maintenance requirements	Yes	
§63.6(a)(2)	Applicability of area sources that increase HAP emissions to become major sources	Yes	
§63.6(b)(1) through (5)	Compliance dates for new and reconstructed sources	Yes	Subpart WWWW of Part 63 clarifies compliance dates in §63.5800.
§63.6(b)(6)	Reserved	No	
§63.6(b)(7)	Compliance dates for new operations or	Yes	New operations at an existing

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	equipment that cause an area source to become a major source		facility are not subject to new source standards.
\$63.6(c)(1) and (2)	Compliance dates for existing sources	Yes	Subpart WWWW of Part 63 clarifies compliance dates in §63.5800.
\$63.6(c)(3) and (4)	Reserved	No	
\$63.6(c)(5)	Compliance dates for existing area sources that become major	Yes	Subpart WWWW of Part 63 clarifies compliance dates in §63.5800.
\$63.6(d)	Reserved	No	
\$63.6(e)(1) and (2)	Operation & maintenance requirements	Yes	
\$63.6(e)(3)	Startup, shutdown, and malfunction plan and recordkeeping	Yes	Subpart WWWW of Part 63 requires a startup, shutdown, and malfunction plan only for sources using add-on controls.
\$63.6(f)(1)	Compliance except during periods of startup, shutdown, and malfunction	No	Subpart WWWW of Part 63 requires compliance during periods of startup, shutdown, and malfunction, except startup, shutdown, and malfunctions for sources using add-on controls.
\$63.6(f)(2) and (3)	Methods for determining compliance	Yes	
\$63.6(g)(1) through (3)	Alternative standard	Yes	
\$63.6(h)	Opacity and visible emission Standards	No	Subpart WWWW of Part 63 does not contain opacity or visible emission standards.
\$63.6(i)(1) through (14)	Compliance extensions	Yes	
\$63.6(i)(15)	Reserved	No	
\$63.6(i)(16)	Compliance extensions	Yes	
\$63.6(j)	Presidential compliance exemption	Yes	
\$63.7(a)(1)	Applicability of performance testing requirements	Yes	
\$63.7(a)(2)	Performance test dates	No	Subpart WWWW of Part 63 initial compliance requirements are in §63.5840.
\$63.7(a)(3)	CAA Section 114 authority	Yes	
\$63.7(b)(1)	Notification of performance test	Yes	
\$63.7(b)(2)	Notification rescheduled performance test	Yes	
\$63.7(c)	Quality assurance program, including test plan	Yes	Except that the test plan must be submitted with the notification of the performance test.
\$63.7(d)	Performance testing facilities	Yes	
\$63.7(e)	Conditions for conducting performance	Yes	Performance test requirements are

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General Provision Citation	Subject of Citation	General Provision Applicable?	Explanation (if required)
	tests		contained in §63.5850. Additional requirements for conducting performance tests for continuous lamination/casting are included in §63.5870.
§63.7(f)	Use of alternative test method	Yes	
§63.7(g)	Performance test data analysis, recordkeeping, and reporting	Yes	
§63.7(h)	Waiver of performance tests	Yes	
§63.8(a)(1) and (2)	Applicability of monitoring requirements	Yes	
§63.8(a)(3)	Reserved	No	
§63.8(a)(4)	Monitoring requirements when using flares	Yes	
§63.8(b)(1)	Conduct of monitoring exceptions	Yes	
§63.8(b)(2) and (3)	Multiple effluents and multiple monitoring systems	Yes	
§63.8(c)(1)	Compliance with CMS operation and maintenance requirements	Yes	This section applies if you elect to use a CMS to demonstrate continuous compliance with an emission limit.
§63.8(c)(2) and (3)	Monitoring system installation	Yes	This section applies if you elect to use a CMS to demonstrate continuous compliance with an emission limit.
§63.8(c)(4)	CMS requirements	Yes	This section applies if you elect to use a CMS to demonstrate continuous compliance with an emission limit.
§63.8(c)(5)	Continuous Opacity Monitoring System (COMS) minimum procedures	No	Subpart WWWW of Part 63 does not contain opacity standards.
§63.8(c)(6) through (8)	CMS calibration and periods CMS is out of control	Yes	This section applies if you elect to use a CMS to demonstrate continuous compliance with an emission limit.
§63.8(d)	CMS quality control program, including test plan and all previous versions	Yes	This section applies if you elect to use a CMS to demonstrate continuous compliance with an emission limit.
§63.8(e)(1)	Performance evaluation of CMS	Yes	This section applies if you elect to use a CMS to demonstrate continuous compliance with an emission limit.
§63.8(e)(2)	Notification of performance evaluation	Yes	This section applies if you elect to use a CMS to demonstrate continuous compliance with an emission limit.
§63.8(e)(3) and (4)	CMS requirements/alternatives	Yes	This section applies if you elect to use a CMS to demonstrate continuous compliance with an emission limit.

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§63.8(e) (5) (i)	Reporting performance evaluation results	Yes	This section applies if you elect to use a CMS to demonstrate continuous compliance with an emission limit.
§63.8(e) (5) (ii)	Results of COMS performance evaluation	No	Subpart WWWW of Part 63 does not contain opacity standards.
§63.8(f) (1) through (3)	Use of an alternative monitoring method	Yes	
§63.8(f) (4)	Request to use an alternative monitoring method	Yes	
§63.8(f) (5)	Approval of request to use an alternative monitoring method	Yes	
§63.8(f) (6)	Request for alternative to relative accuracy test and associated records	Yes	This section applies if you elect to use a CMS to demonstrate continuous compliance with an emission limit.
§63.8(g) (1) through (5)	Data reduction	Yes	
§63.9(a) (1) through (4)	Notification requirements and general information	Yes	
§63.9(b) (1)	Initial notification applicability	Yes	
§63.9(b) (2)	Notification for affected source with initial startup before effective date of standard	Yes	
§63.9(b) (3)	Reserved	No	
§63.9(b) (4) (i)	Notification for a new or reconstructed major affected source with initial startup after effective date for which an application for approval of construction or reconstruction is required	Yes	
§63.9(b) (4) (ii) through (iv)	Reserved	No	
§63.9(b) (4) (v)	Notification for a new or reconstructed major affected source with initial startup after effective date for which an application for approval of construction or reconstruction is required	Yes	Existing facilities do not become reconstructed under subpart WWWW of Part 63.
§63.9(b) (5)	Notification that you are subject to this subpart for new or reconstructed affected source with initial startup after effective date and for which an application for approval of construction or reconstruction is not required	Yes	Existing facilities do not become reconstructed under subpart WWWW of Part 63.
§63.9(c)	Request for compliance extension	Yes	
§63.9(d)	Notification of special compliance requirements for new source	Yes	
§63.9(e)	Notification of performance test	Yes	
§63.9(f)	Notification of opacity and visible emissions observations	No	Subpart WWWW of Part 63 does not contain opacity or visible emission standards.

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General Provision Citation	Subject of Citation	General Provision Applicable?	Explanation (if required)
§63.9(g) (1)	Additional notification requirements for sources using CMS	Yes	This section applies if you elect to use a CMS to demonstrate continuous compliance with an emission limit.
§63.9(g) (2)	Notification of compliance with opacity emission standard	No	Subpart WWWW of Part 63 does not contain opacity emission standards.
§63.9(g) (3)	Notification that criterion to continue use of alternative to relative accuracy testing has been exceeded	Yes	This section applies if you elect to use a CMS to demonstrate continuous compliance with an emission limit.
§63.9(h) (1) through (3)	Notification of compliance status	Yes	
§63.9(h) (4)	Reserved	No	
§63.9(h) (5) and (6)	Notification of compliance status	Yes	
§63.9(i)	Adjustment of submittal deadlines	Yes	
§63.9(j)	Change in information provided	Yes	
§63.10(a)	Applicability of recordkeeping and reporting	Yes	
§63.10(b) (1)	Records retention	Yes	
§63.10(b) (2) (i) through (v)	Records related to startup, shutdown, and malfunction	Yes	Only applies to facilities that use an add-on control device.
§63.10(b) (2) (vi) through (xi)	CMS records, data on performance tests, CMS performance evaluations, measurements necessary to determine conditions of performance tests, and performance evaluations	Yes	
§63.10(b) (2) (xii)	Record of waiver of recordkeeping and reporting	Yes	
§63.10(b) (2) (xiii)	Record for alternative to the relative accuracy test	Yes	
§63.10(b) (2) (xiv)	Records supporting initial notification and notification of compliance status	Yes	
§63.10(b) (3)	Records for applicability determinations	Yes	
§63.10(c) (1)	CMS records	Yes	This section applies if you elect to use a CMS to demonstrate continuous compliance with an emission limit.
§63.10(c) (2) through (4)	Reserved	No	
§63.10(c) (5) through (8)	CMS records	Yes	This section applies if you elect to use a CMS to demonstrate continuous compliance with an emission limit.
§63.10(c) (9)	Reserved	No	
§63.10(c) (10) through (15)	CMS records	Yes	This section applies if you elect to use a CMS to demonstrate

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			continuous compliance with an emission limit.
§63.10(d)(1)	General reporting requirements	Yes	
§63.10(d)(2)	Report of performance test results	Yes	
§63.10(d)(3)	Reporting results of opacity or visible emission observations	No	Subpart WWWW of Part 63 does not contain opacity or visible emission standards.
§63.10(d)(4)	Progress reports as part of extension of compliance	Yes	
§63.10(d)(5)	Startup, shutdown, and malfunction reports	Yes	Only applies if you use an add-on control device.
§63.10(e)(1) through (3)	Additional reporting requirements for CMS	Yes	This section applies if you have an add-on control device and elect to use a CEM to demonstrate continuous compliance with an emission limit.
§63.10(e)(4)	Reporting COMS data	No	Subpart WWWW of Part 63 does not contain opacity standards.
§63.10(f)	Waiver for recordkeeping or reporting	Yes	
§63.11	Control device requirements	Yes	Only applies if you elect to use a flare as a control device.
§63.12	State authority and delegations	Yes	
§63.13	Addresses of State air pollution control agencies and EPA Regional Offices	Yes	
§63.14	Incorporations by reference	Yes	
§63.15	Availability of information and confidentiality	Yes	

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Section 8 - State Only Requirements

1. Permitted Emissions for Fees

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

<i>Pollutant</i>		<i>Tons/Year</i>
Volatiles Organic Material	(VOM)	24.0
Sulfur Dioxide	(SO ₂)	--
Particulate Matter	(PM)	0.94
Nitrogen Oxides	(NO _x)	0.5
HAP, not included in VOM or PM	(HAP)	--
Total		25.44

Attachment 1 - List of Emission Units at This Source

Section	Emission Units	Description
4.1	Open Molding	Gelcoat Booth Non-atomized gelcoat applicators and curing area
4.2	Polymer Mixing/Casting Resin Mixing	Gruber mixing/casting machine
		Solid Surface Casting: Two solid surface polymer resin casting mixing kettles Solid surface polymer resin casting process area
4.3	Miscellaneous Operations	VOM emitted during the application and/or curing of mold release agents, sealers, and during wipe and maintenance cleaning.

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
°C	Degrees Centigrade
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
EAF	Electric arc furnace
ERMS	Emissions Reduction Market System
°F	Degrees Fahrenheit
GHG	Green house gas
gr	Grains
HAP	Hazardous air pollutant
Hg	Mercury
HMIWI	Hospital medical infectious waste incinerator
HP	Horsepower
hr	Hour
H ₂ S	Hydrogen sulfide
I.D. No.	Identification number of source, assigned by IEPA
IAC	Illinois Administrative Code
ILCS	Illinois Compiled Statutes
IEPA	Illinois Environmental Protection Agency
KW	Kilowatts

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LAER	Lowest Achievable Emission Rate
lb	Pound
m	Meter
MACT	Maximum Achievable Control Technology
mm	Million
mon	Month
MSDS	Material Safety Data Sheet
MSSCAM	Major Stationary Sources Construction and Modification (Non-attainment New Source Review)
MW	Megawatts
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO _x	Nitrogen oxides
NSPS	New Source Performance Standards
NSR	New Source Review
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
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
T/hr	Tons per hour
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
tpy	Tons per year
USEPA	United States Environmental Protection Agency
VOM	Volatile organic material
yr	Year

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Attachment 3 - Contact and Reporting Addresses

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

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

Marble Works
I.D. No.: 089080AAW
Permit No.: 04030013

Date Received: March 3, 2004
Date Issued: TBD