

PERMIT 3732-229-0007-V-07-0

ISSUANCE DATE: DRAFT



GEORGIA

DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Air Quality - Part 70 Operating Permit

Facility Name: Composite Research, Inc.
Facility Address: 6131 Sundance Road
Blackshear, GA 31516, Pierce County
Mailing Address: 6131 Sundance Road
Blackshear, GA 31516
Parent/Holding Company: Composite Research, Inc.
Facility AIRS Number: 04-13-229-00007

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued a Part 70 Permit for:

The operation of a fiberglass boat manufacturing facility.

This Permit is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Permit. Unless modified or revoked, this Permit expires five years after the issuance date indicated above.

This Permit may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above, for any misrepresentation made in Title V Application No. TV-705614 signed on December 22, 2022, any other applications upon which this Permit is based, supporting data entered therein or attached thereto, or any subsequent submittal of supporting data, or for any alterations affecting the emissions from this source.

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **45** pages.



DRAFT

Jeffrey W. Cown, Director
Environmental Protection Division

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Title V Permit

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PART 1.0 FACILITY DESCRIPTION**1.1 Site Determination**

There are no other facilities that could possibly be contiguous or adjacent and under common control.

1.2 Previous and/or Other Names

This facility was previously called Sundance Boats, Inc..

1.3 Overall Facility Process Description**Building of Open Molds for Boat Manufacture**

Open molds are built using a form and the spray of a gel coat and a resin and fiberglass mix. The finished mold is used to create fiberglass boat parts.

Manufacture of Fiberglass Boats

The molds (hulls) are cleaned and waxed, and a layer of gel coat is sprayed on the molds and is allowed to cure. A thin layer of resin (skin coat) is then applied over the first layer of gel coat. The skin coat aids in the adhesion of the gel coat to the resin. The boat hulls enter the lamination process. Layers of unfilled resin, chopped fiberglass strands, and glass mat are applied to the bottom and the sides of the boat. Usually several layers of resin/fiberglass make up the laminate of the hull. The molded piece is then removed from the mold and trimmed. Urethane foam is injected in the hull to provide flotation. The boat deck and hulls are then assembled, and any motors and/or necessary wiring are installed. The emissions from the resin and gel coat operations are styrene (VOC/HAP).

Particulate emissions from the Mold Build and Repair Shop are controlled with particulate filters. The facility operates water bath overspray capture systems to collect particulate emissions from the spray booth and grinding operations.

The water bath overspray capture systems route contaminated air by means of downdraft vent hoods into a vat filled with water so that the wetted particulates sink to the bottom of the vat and the deflected clean air is exhausted out and away from the water bath. When the depth of the silt in the vat reaches one foot, the vat is cleaned, re-filled with water, and the process repeats.

PART 2.0 REQUIREMENTS PERTAINING TO THE ENTIRE FACILITY

2.1 Facility Wide Emission Caps and Operating Limits

- 2.2.1 The Permittee shall not discharge, or cause the discharge into the atmosphere, from the entire facility, volatile organic compounds (VOC) in amounts equal to or exceeding 100 tons during any twelve consecutive months.
[391-3-1-.03(2)(c), Fee Reduction, Avoidance of 40 CFR 52.21]

2.2 Facility Wide Federal Rule Standards

None applicable.

2.3 Facility Wide SIP Rule Standards

None applicable.

2.4 Facility Wide Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit

None applicable.

PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

3.1 Emission Units

Emission Units		Applicable Requirements/Standards	Air Pollution Control Devices	
ID	Description		ID	Description
GE01	Gel Coat Spray Booth	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 63 Subpart VVVV	GB01 GB02 GB03	Gel Bath #1 Gel Bath #2 Gel Bath #3
CU01	Mold Build and Repair Shop	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 63 Subpart VVVV	TF01 TF02 TF03 TF04 TF05	Filtered Exhaust Fans
CB01	Lamination Spray Resin Operation	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 63 Subpart VVVV	LB01 LB02 LB03 LB04 LB05 LB06 LB07	Lamination Bath #1 Lamination Bath #2 Lamination Bath #3 Lamination Bath #4 Lamination Bath #5 Lamination Bath #6 Lamination Bath #7
MC01	Mold Cleaning Operations	391-3-1-.02(2)(b) 40 CFR 63 Subpart VVVV	None	None
CL01	Equipment Cleaning Operations	391-3-1-.02(2)(b) 40 CFR 63 Subpart VVVV	None	None
GR01	Fiberglass Grinding Booth 1	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	TG01 TG02	Trim/grind water bath units
GR02	Fiberglass Grinding Booth 2 (small parts grinding)	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	TG03	Trim/grind water bath units

* Generally applicable requirements contained in this permit may also apply to emission units listed above. The lists of applicable requirements/standards are intended as a compliance tool and may not be definitive.

3.2 Equipment Emission Caps and Operating Limits

None Applicable

3.3 Equipment Federal Rule Standards

- 3.3.1 The Permittee shall comply with the requirements of 40 CFR Part 63, Subpart VVVV, "National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing," and all applicable requirements of the General Provisions of National Emission Standards for Hazardous Air Pollutants (40 CFR Part 63, Subpart A) as specified in Table 8 of Subpart VVVV of Part 63. In the event of any discrepancy between the terms of this permit and 40 CFR Part 63, Subpart VVVV, the terms of 40 CFR Part 63, Subpart VVVV shall control. [40 CFR 63.5695 and 40 CFR 63.5773]

Standards for Open Molding Resin and Gel Coat Operations

- 3.3.2 The Permittee shall not discharge, or cause the discharge into the atmosphere, from open molding resin and gel coat operations, during any twelve consecutive month period, organic HAP emissions in an amount exceeding the limit specified by the following equation:
[40 CFR 63.5698(b)]

$$\text{HAP Limit} = 46\text{M}_R + 159\text{M}_{PG} + 291\text{M}_{CG} + 54\text{M}_{TR} + 214\text{M}_{TG}$$

Where:

HAP Limit = total allowable organic HAP (in kilograms) that can be emitted from the open molding operations

M_R = mass of production resin used (in megagrams) in the past 12 months, excluding any exempt materials

M_{PG} = mass of pigmented gel coat used (in megagrams) in the past 12 months, excluding any exempt materials

M_{CG} = mass of clear gel coat used (in megagrams) in the past 12 months, excluding any exempt materials

M_{TR} = mass of tooling resin used (in megagrams) in the past 12 months, excluding any exempt materials

M_{TG} = mass of tooling gel coat used (in megagrams) in the past 12 months, excluding any exempt materials

- 3.3.3 The Permittee shall use one or both of the following options to meet the emission limit in Condition 3.3.2 for the resins and gel coats used in open molding operations:
[40 CFR 63.5701]

- a. Maximum Achievable Control Technology model point value averaging (emissions averaging) option.
 - i. Demonstrate that emissions from some or all of the open molding resin and gel coat operations meet the emission limit in Condition 3.3.2 using the procedures described in Condition 6.2.8. Compliance with this option is based on a 12-month rolling average.
 - ii. Those operations and materials not included in the emissions average described in Condition 6.2.8 must comply with paragraph (b) of this Condition.

- b. Compliant materials option.
 - i. Demonstrate compliance by using resins and gel coats that meet the organic HAP content requirements in Table 2 of 40 CFR 63, Subpart VVVV (Table 6.2.9-1 of this permit), using the procedures described in Condition 6.2.9. Compliance with this option is based on a 12-month rolling average.

3.3.4 The following materials are exempt from the open molding emission limit set forth by the equation in Condition 3.3.2:
[40 CFR 63.5698(d)]

- a. Production resins (including skin coat resins) that must meet specifications for use in military vessels or must be approved by the U.S. Coast Guard for use in the construction of life boats, rescue boats, and other life-saving appliances approved under 46 CFR subchapter Q or the construction of small passenger vessels regulated by 46 CFR subchapter T. Production resins for which this exemption is used must be applied with nonatomizing (non-spray) resin application equipment.
- b. Pigmented, clear, and tooling gel coat used for part or mold repair and touch up. The total gel coat materials included in this exemption must not exceed 1 percent by weight of all gel coat used at the facility on a 12-month rolling-average basis.
- c. Pure, 100 percent vinylester resin used for skin coats. This exemption does not apply to blends of vinylester and polyester resins used for skin coats. The total resin materials included in the exemption cannot exceed 5 percent by weight of all resin used at the facility on a 12-month rolling-average basis.

Standards for Resin and Gel Coat Mixing Operations

3.3.5 The Permittee shall equip all resin and gel coat mixing containers with a capacity equal to or greater than 208 liters (55 gallons), including those used for on-site mixing of putties and polyputties, with covers that have no visible gaps between the cover and the body of the mixing container. These covers shall be in place during all mixing operations, except while material is being manually added or removed from the mixing vessel, or when mixing or pumping equipment is being placed in or removed from a mixing vessel.
[40 CFR 63.5731(a) and (b)]

Standards for Resin and Gel Coat Application Equipment Cleaning Operations

3.3.6 For routine flushing of resin and gel coat application equipment (e.g. spray guns, flow coaters, brushes, rollers, and squeegees), the Permittee shall use a cleaning solvent that contains no more than 5 percent organic HAP by weight. For removing cured resin or gel coat from application equipment, no organic HAP content limit applies. Cured resin or gel coat means resin or gel coat that has changed from a liquid to a solid.
[40 CFR 63.5734(a)]

- 3.3.7 The Permittee shall store organic HAP-containing solvents used for removing cured resin or gel coat in containers with covers. The covers must have no visible gaps and must be in place at all times, except when equipment to be cleaned is placed in or removed from the container. On containers with a capacity greater than 7.6 liters (2.0 gallons), the distance from the top of the container to the solvent surface must be no less than 0.75 times the diameter of the container. Containers that store organic HAP-containing solvents used for removing cured resin or gel coat are exempt from the requirements of 40 CFR Part 63, Subpart T. Cured resin or gel coat means resin or gel coat that has changed from a liquid to a solid.
[40 CFR 63.5734(b)]

Standards for Carpet and Fabric Adhesive Operations

- 3.3.8 The Permittee shall use carpet and fabric adhesives that contain no more than 5 percent organic HAP by weight.
[40 CFR 63.5740(a)]

3.4 Equipment SIP Rule Standards

- 3.4.1 The Permittee shall not cause or cause the discharge, into the atmosphere from any source listed in Table 3.1 as subject to Rule (b) any gases which exhibit visible emissions, the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)]
- 3.4.2 The Permittee shall not cause, let, suffer, or allow the rate of emissions of particulate matter from any source listed in Table 3.1 as subject to Rule (e) to equal or exceed the allowable rates specified in the equation $E = 4.1P^{0.67}$; where E = Emission rate in pounds per hour and P = Process input rate in tons per hour.
[391-3-1-.02(2)(e)]

3.5 Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit

- 3.5.1 The Permittee shall ensure that the media of the filters are replaced as follows:
[391-3-1-.02(2)(a)(10)]
- a. For the mold build and repair shop filters (Air Pollution Control Device ID Nos. TF01, TF02, TF03, TF04, and TF05), the media should be replaced at least once every calendar week that the Mold Build and Repair Shop (Emission Unit ID No. CU01) is in operation.
- 3.5.2 The water bath overspray capture systems (Air Pollution Control Device ID Nos. GB01, GB02, GB03, LB01 through LB07, TG01, TG02, and TG03) shall be operated whenever the gel coat, resin lamination, urethane foam operation, and fiberglass grind operations (Emission Unit ID Nos. GE01, CB01, GR01, and GR02) are in operation. The Permittee shall clean the water bath overspray system anytime the silt in the vat reaches a depth of one foot.
[391-3-1-.02(2)(a)(10)]

PART 4.0 REQUIREMENTS FOR TESTING**4.1 General Testing Requirements**

- 4.1.1 The Permittee shall cause to be conducted a performance test at any specified emission unit when so directed by the Environmental Protection Division (“Division”). The test results shall be submitted to the Division within 60 days of the completion of the testing. Any tests shall be performed and conducted using methods and procedures that have been previously specified or approved by the Division.
[391-3-1-.02(6)(b)1(i)]
- 4.1.2 The Permittee shall provide the Division thirty (30) days (or sixty (60) days for tests required by 40 CFR Part 63) prior written notice of the date of any performance test(s) to afford the Division the opportunity to witness and/or audit the test, and shall provide with the notification a test plan in accordance with Division guidelines.
[391-3-1-.02(3)(a) and 40 CFR 63.7(b)(1)]
- 4.1.3 Performance and compliance tests shall be conducted and data reduced in accordance with applicable procedures and methods specified in the Division’s Procedures for Testing and Monitoring Sources of Air Pollutants. The methods for the determination of compliance with emission limits listed under Sections 3.2, 3.3, 3.4 and 3.5 are as follows:
- a. Method 1 for sample point locations,
 - b. Method 2 for the determination of flow rate,
 - c. Method 3 for the determination of stack gas molecular weight,
 - d. Method 4 for the determination of stack moisture,
 - e. Method 5, as applicable, for the determination of particulate matter emissions,
 - f. Method 9 and the procedures of Section 1.3 of the above referenced document for the determination of the opacity of emissions,
 - g. Method 24 for the determination of volatile matter content, water content, density, volume solids, and weight solids in surface coatings, and
 - h. Method 311 for the analysis of hazardous air pollutant compounds in paints and coatings by direct injection into a gas chromatograph.
 - i. ASTM D1259-85 (Standard Test Method for Nonvolatile Content of Resins).

Minor changes in methodology may be specified or approved by the Director or his designee when necessitated by process variables, changes in facility design, or improvement or corrections that, in his opinion, render those methods or procedures, or portions thereof, more reliable.

[391-3-1-.02(3)(a)]

- 4.1.4 The Permittee shall submit performance test results to the US EPA's Central Data Exchange (CDX) using the Compliance and Emissions Data Reporting Interface (CEDRI) in accordance with any applicable NSPS or NESHAP standards (40 CFR 60 or 40 CFR 63) that contain Electronic Data Reporting Requirements. This Condition is only applicable if required by an applicable standard and for the pollutant(s) subject to said standard.
[391-3-1-.02(8)(a) and 391-3-1-.02(9)(a)]

4.2 Specific Testing Requirements

None applicable

PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)**5.1 General Monitoring Requirements**

- 5.1.1 Any continuous monitoring system required by the Division and installed by the Permittee shall be in continuous operation and data recorded during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Monitoring system response, relating only to calibration checks and zero and span adjustments, shall be measured and recorded during such periods. Maintenance or repair shall be conducted in the most expedient manner to minimize the period during which the system is out of service.
[391-3-1-.02(6)(b)1]

5.2 Specific Monitoring Requirements

- 5.2.1 The Permittee shall demonstrate compliance with the work practice standard of Condition 3.3.5 by conducting a visual inspection of all mixing containers subject to the provisions of Condition 3.3.5 at least once per month. This inspection shall ensure that all affected containers have covers with no visible gaps between the cover and the container, or between the cover and equipment passing through the cover. The Permittee shall retain a record of the inspection in accordance with the requirements of Condition 6.2.18.
[40 CFR 63.5731(c)]
- 5.2.2 The Permittee shall demonstrate compliance with the work practice standard of Condition 3.3.7 by conducting a visual inspection of all containers storing HAP-containing solvents used for removing cured resin and gel coat at least once per month. This inspection shall ensure that all affected containers have covers with no visible gaps between the cover and the container. The Permittee shall retain a record of the inspection in accordance with the requirements of Condition 6.2.19.
[40 CFR 63.5737(c)]
- 5.2.3 The Permittee shall, when performing the water bath cleaning required by Condition 3.5.2, record the date and time of the cleaning in a logbook. The records in the logbook shall be maintained at the facility for no less than five (5) years from the date of record and shall be in a format suitable for inspection by or submission to the Division.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- 5.2.4 The Permittee shall take a daily reading of the silt depth in each water bath and maintain a record of the data in a logbook that shall be maintained at the facility for no less than five (5) years from the date of record and shall be in a format suitable for inspection by or submission to the Division.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- 5.2.5 The Permittee shall install, calibrate, maintain, and operate monitoring devices for the measurement of the indicated parameters on the following equipment. Data shall be recorded at the frequency specified below. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- a. The water discharge pressure from each of the water pumps supplying the water bath overspray capture systems controlling the PM emissions from the paint spray booths once per day of operation. The pressure monitoring device(s)/system(s) shall meet the applicable performance specifications of the Division's monitoring requirements.

Any instance that the water discharge pressure is outside the working range as determined during the most recently Division-approved performance testing or as specified by manufacturer(s) of the water bath overspray capture systems, and is not corrected within twelve (12) hours shall be recorded as an excursion and shall be included in the semiannual report specified in Condition 6.1.4.

- 5.2.6 The working range of the water discharge pressure at each of the water pumps which supply the water bath overspray capture systems controlling paint over spray/PM emissions for the gel coat, resin lamination, operation and fiberglass grinding operations (Emission Unit ID Nos. GE01, CB01, GR01, and GR02) shall be between 45 and 60 psi.

[391-3-1-.02(3)(a)].

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PART 6.0 RECORD KEEPING AND REPORTING REQUIREMENTS**6.1 General Record Keeping and Reporting Requirements**

6.1.1 Unless otherwise specified, all records required to be maintained by this Permit shall be recorded in a permanent form suitable for inspection and submission to the Division and to the EPA. The records shall be retained for at least five (5) years following the date of entry. [391-3-1-.02(6)(b)1(i) and 40 CFR 70.6(a)(3)]

6.1.2 In addition to any other reporting requirements of this Permit, the Permittee shall report to the Division in writing, within seven (7) days, any deviations from applicable requirements associated with any malfunction or breakdown of process, fuel burning, or emissions control equipment for a period of four hours or more which results in excessive emissions.

The Permittee shall submit a written report that shall contain the probable cause of the deviation(s), duration of the deviation(s), and any corrective actions or preventive measures taken.

[391-3-1-.02(6)(b)1(iv), 391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(3)(iii)(B)]

6.1.3 The Permittee shall submit written reports of any failure to meet an applicable emission limitation or standard contained in this permit and/or any failure to comply with or complete a work practice standard or requirement contained in this permit which are not otherwise reported in accordance with Conditions 6.1.4 or 6.1.2. Such failures shall be determined through observation, data from any monitoring protocol, or by any other monitoring which is required by this permit. The reports shall cover each semiannual period ending June 30 and December 31 of each year, shall be postmarked by August 29 and February 28, respectively following each reporting period, and shall contain the probable cause of the failure(s), duration of the failure(s), and any corrective actions or preventive measures taken. [391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(3)(iii)(B)]

6.1.4 The Permittee shall submit a written report containing any excess emissions, exceedances, and/or excursions as described in this permit and any monitor malfunctions for each semiannual period ending June 30 and December 31 of each year. All reports shall be postmarked by August 29 and February 28, respectively following each reporting period. In the event that there have not been any excess emissions, exceedances, excursions or malfunctions during a reporting period, the report should so state. Otherwise, the contents of each report shall be as specified by the Division's Procedures for Testing and Monitoring Sources of Air Pollutants and shall contain the following:

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(iii)(A)]

a. A summary report of excess emissions, exceedances and excursions, and monitor downtime, in accordance with Section 1.5(c) and (d) of the above referenced document, including any failure to follow required work practice procedures.

b. Total process operating time during each reporting period.

- c. The magnitude of all excess emissions, exceedances and excursions computed in accordance with the applicable definitions as determined by the Director, and any conversion factors used, and the date and time of the commencement and completion of each time period of occurrence.
- d. Specific identification of each period of such excess emissions, exceedances, and excursions that occur during startups, shutdowns, or malfunctions of the affected facility. Include the nature and cause of any malfunction (if known), the corrective action taken or preventive measures adopted.
- e. The date and time identifying each period during which any required monitoring system or device was inoperative (including periods of malfunction) except for zero and span checks, and the nature of the repairs, adjustments, or replacement. When the monitoring system or device has not been inoperative, repaired, or adjusted, such information shall be stated in the report.
- f. Certification by a Responsible Official that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

6.1.5 Where applicable, the Permittee shall keep the following records:
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(3)(ii)(A)]

- a. The date, place, and time of sampling or measurement;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of such analyses; and
- f. The operating conditions as existing at the time of sampling or measurement.

6.1.6 The Permittee shall maintain files of all required measurements, including continuous monitoring systems, monitoring devices, and performance testing measurements; all continuous monitoring system or monitoring device calibration checks; and adjustments and maintenance performed on these systems or devices. These files shall be kept in a permanent form suitable for inspection and shall be maintained for a period of at least five (5) years following the date of such measurements, reports, maintenance and records.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6 (a)(3)(ii)(B)]

6.1.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(iii)]

- a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

None required to be reported in accordance with Condition 6.1.4.

- b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

- i. Any twelve consecutive month period in which VOC emissions from the entire facility exceed 100 tons, as calculated in Condition 6.2.3.
- ii. Any twelve consecutive month period in which total HAP emissions exceed the rolling twelve-month HAP limit, as calculated by the equation contained in Condition 3.3.2, per the records and calculations conducted by the requirements of Section 6.0 of this permit.
- iii. If using Condition 3.3.3(b) to demonstrate compliance with Condition 3.3.2, any 12-month rolling-average organic HAP content that results in the exceedance of the limits in Table 6.2.9-1.
- iv. Any use of resin or gel coat mixing containers with a capacity equal to or greater than 208 liters (55 gallons) that are not equipped with covers that have no visible gaps between the cover and the body of the mixing container.
- v. Any use of cleaning solvents in flush cleaning operations for resin and gel coat application equipment (e.g. spray guns, flow coaters, brushes, rollers, and squeegees) with an organic HAP content greater than 5 percent by weight.
- vi. Any instance when organic HAP-containing solvents used for removing cured resins or gel coat are not stored in a covered container.
- vii. Any instance when an organic HAP-containing solvent used for removing cured resin or gel coat is stored in a container with a capacity greater than 7.6 liters (2.0 gallons) and the distance from the top of the container to the liquid surface is less than 0.75 times the diameter of the container.
- viii. Any use of carpet or fabric adhesives with a HAP content greater than 5 percent by weight.

- ix. Any two consecutive instances where the media in the fabric filters are not replaced in accordance with Condition 3.5.1.
- c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)
 - i. Failure to perform a visual inspection of the mixing containers as required by Condition 5.2.1.
 - ii. Failure to perform a visual inspection of the solvent storage containers as required by Condition 5.2.2.
 - iii. Any failure to perform the water bath cleaning as required by Condition 3.5.2 and maintain the logbook as required by Condition 5.2.3.
 - iv. Any incident that the water discharge pressure from any of the pumps supplying the water bath overspray capture system(s) as measured according to Condition 5.2.5 drifts outside its working range established in accordance with Condition 5.2.6 and is not corrected within twelve (12) hours of the occurrence

6.2 Specific Record Keeping and Reporting Requirements

6.2.1 The Permittee shall maintain monthly usage records of all VOC-containing materials for the entire facility. Records of gel coat and resin shall be kept separately. These records shall include the total weight of each VOC-containing material used or containerized waste material disposed and the VOC content of each material or waste (expressed as a weight percentage). All calculations used to determine usages should be kept as part of the monthly record. These records shall be kept available for inspection or submittal for five (5) years from the date of record.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

6.2.2 The Permittee shall use the monthly usage records required in Condition 6.2.1 to calculate the total monthly VOC emissions. The Permittee shall use the procedures specified in Appendix H of the Georgia Department of Natural Resources **Procedures for Testing and Monitoring Sources of Air Pollutants** to calculate VOC emissions from the facility's fiberglass reinforced plastics open molding operations. All calculations should be kept as part of the monthly record. These records shall be kept available for inspection or submittal for five (5) years from the date of record. The following equations shall be used to calculate VOC emissions from any other operations:

- a. $\text{VOC (lbs)} = \text{Material used (lbs)} * (\% \text{ weight VOC}); \text{ or}$
- b. $\text{VOC (lbs)} = \text{Material used (gallons)} * (\text{VOC Content lbs/gallon})$

The Permittee shall notify the Division in writing if VOC emissions exceed 8.33 tons during any calendar month. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to maintain compliance with the emission limit in Condition 2.1.1.

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- 6.2.3 The Permittee shall use the monthly VOC emission data required in Condition 6.2.2 to calculate the 12-month rolling total of VOC emissions from the entire facility for each calendar month in the reporting period. The Permittee shall notify the Division in writing if VOC emissions exceed 100 tons during any twelve (12) consecutive month period. This notification shall be postmarked by the fifteenth (15th) day of the following month and shall include an explanation of how the Permittee intends to attain compliance with the emission limit in Condition 2.1.1. Each 12-month rolling total shall be included in the semiannual report specified in Condition 6.1.4.

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

Record Keeping Requirements of 40 CFR Part 63 Subpart VVVV

- 6.2.4 The Permittee shall maintain the following records for all of the materials that are exempted from the open molding emission limit in Condition 3.3.2:

[40 CFR 63.5698(d)]

- a. A record of all production resins (including skin coat resins), applied with non-atomizing (non-spray) resin application equipment, that must meet specifications for use in military vessels or must be approved by the U.S. Coast Guard for use in the construction of life boats, rescue boats, and other life-saving appliances approved under 46 CFR subchapter Q or the construction of small passenger vessels regulated by 46 CFR subchapter T.
- b. A record of all pigmented, clear, and tooling gel coat used for part or mold repair and touch up, including calculations demonstrating that the total amount of gel coat materials exempted does not exceed 1 percent by weight of all the gel coat used at the facility on a 12-month rolling-average basis.
- c. A record of all pure, 100 percent vinylester resin used for skin coats, including calculations demonstrating that the amount of 100 percent vinylester resin exempted does not exceed 5 percent by weight of all resin used at the facility on a 12-month rolling-average basis.

- 6.2.5 For those open molding operations and materials complying using the emissions averaging option described in Condition 3.3.3.a, the Permittee shall demonstrate compliance by performing the following steps:

[40 CFR 63.5704(a)]

- a. Use the methods specified in Condition 4.1.3 and/or Condition 6.2.17 to determine the organic HAP content of resins and gel coats.

- b. Complete the calculations described in Condition 6.2.8 to show that the organic HAP emissions do not exceed the limit specified in Condition 3.3.2.
 - c. Keep the following records for each resin and gel coat:
 - i. Hazardous air pollutant content.
 - ii. Amount of material used per month.
 - iii. Application method used for production resin and tooling resin. This record is not required if all production resins and tooling resins are applied with nonatomized technology.
 - iv. Calculations performed to demonstrate compliance based on MACT model point values, as described in Condition 6.2.8.
 - d. Prepare and submit the implementation plan described in Condition 6.2.7 to the Division and keep this plan up to date.
- 6.2.6 For each open molding operation complying with the compliant materials option described in Condition 3.3.3.b, the Permittee shall demonstrate compliance by performing the following steps:
[40 CFR 63.5704(b)]
- a. Use the methods specified in Condition 4.1.3 and/or Condition 6.2.17 to determine the organic HAP content of resins and gel coats.
 - b. Complete the calculations described in Condition 6.2.9 to show that the organic HAP emissions do not exceed the limit specified in Table 6.2.9-1.
 - c. Keep the following records for each resin and gel coat:
 - i. Hazardous air pollutant content.
 - ii. Application method for production resin and tooling resin. This record is not required if all production resins and tooling resins are applied with nonatomized technology.
 - iii. Amount of material used per month. This record is not required for an operation if all materials used for that operation comply with the organic HAP content requirements.
 - iv. Calculations performed, if required, to demonstrate compliance based on weighted-average organic HAP content as described in Condition 6.2.9.

- 6.2.7 The Permittee shall prepare and implement an Implementation Plan for all open molding operations for which compliance is determined by using the emissions averaging option described in Condition 3.3.3.a. The Implementation Plan shall include all of the following information:
[40 CFR 63.5707]
- a. The Implementation Plan must describe the steps the Permittee will take to determine the compliance status of the open molding operations covered by 40 CFR 63 Subpart VVVV. For each operation included in the emissions average, the Permittee's Implementation Plan must include the following elements:
 - i. A description of each operation included in the average.
 - ii. The maximum organic HAP content of the materials used, the application method used (if any atomized resin application methods are used in the average), and any other methods used to control emissions.
 - iii. Calculations showing that the operations covered by the plan will comply with the open molding emission limit specified in Condition 3.3.2.
 - b. The Permittee shall keep the Implementation Plan on site and provide it to the Division when asked.
 - c. If the Permittee revises the Implementation Plan, the revised plan shall be submitted with the next semiannual compliance report specified in Condition 6.2.16.

- 6.2.8 If the Permittee is using Condition 3.3.3.a to demonstrate compliance with the HAP emission limit in Condition 3.3.2, then the following should be performed:
[40 CFR 63.5710]

MACT Model Point Value Averaging Option: At the end of each month, calculate the 12-month rolling-average HAP emissions using the following procedure.

- a. At the end of each month, calculate the MACT model point value, PV_i , for each resin and gel coat used in each operation in the past twelve months using Table 6.2.8-1 (Table 3 of 40 CFR 63 Subpart VVVV), below:

Table 6.2.8-1

For this operation...	And this application method...	Use this formula to calculate PV_i for each resin and gel coat...
Production resin, Tooling resin	a. Atomized b. Atomized, plus vacuum bagging with roll-out c. Atomized, plus vacuum bagging without roll-out d. Nonatomized e. Nonatomized, plus vacuum bagging with roll-out f. Nonatomized, plus vacuum bagging without roll-out	$0.014 \times (\text{Resin HAP}\%)^{2.425}$ $0.01185 \times (\text{Resin HAP}\%)^{2.425}$ $0.00945 \times (\text{Resin HAP}\%)^{2.425}$ $0.014 \times (\text{Resin HAP}\%)^{2.275}$ $0.0110 \times (\text{Resin HAP}\%)^{2.275}$ $0.0076 \times (\text{Resin HAP}\%)^{2.275}$
Pigmented gel coat, Clear gel coat, Tooling gel coat	All methods	$0.445 \times (\text{Gel Coat HAP}\%)^{1.675}$

- b. At the end of every month, the Permittee shall use the following equation and the MACT model point values (PV_i) calculated in Condition 6.2.8.a to compute the weighted-average MACT model point value for each open molding resin and gel coat operation included in the average.

$$PV_{OP} = \frac{\sum_{i=1}^n M_i PV_i}{\sum_{i=1}^n M_i}$$

Where,

PV_{OP} = Weighted-average MACT model point value for each open molding operation (**PV_R** , **PV_{PG}** , **PV_{CG}** , **PV_{TR}** , and **PV_{TG}**) included in the average (in kilograms of HAP per megagram of material applied).

M_i = Mass of resin or gel coat **i** used within an operation in the past 12 months (in megagrams).

n = The number of different open molding resins and gel coats used within an operation in the past 12 months.

PV_i = The MACT model point value for resin or gel coat **i** used within an operation in the past 12 months (in kilograms of HAP per megagram of material applied).

- c. The Permittee shall calculate HAP emissions from resin and gel coat operations each month using the equation below for all resins and gel coat that:
- i. Are not exempt from the emission standard of Condition 3.3.2 pursuant to the provisions of Condition 3.3.4; and

- ii. Are not demonstrating compliance with the emission standard of Condition 3.3.2 through the compliant materials option pursuant to Condition 3.3.3.b.

$$\text{HAP Emissions} = \text{PV}_R \text{M}_R + \text{PV}_{PG} \text{M}_{PG} + \text{PV}_{CG} \text{M}_{CG} + \text{PV}_{TR} \text{M}_{TR} + \text{PV}_{TG} \text{M}_{TG}$$

Where,

HAP Emissions = Organic HAP emission calculated using MACT model point values for each operation included in the average (in kilograms).

PV_R = Weighted-average MACT model point value for production resin used in the past 12 months (in kilograms per megagram).

M_R = Mass of production resin used in the past 12 months (in megagrams).

PV_{PG} = Weighted-average MACT model point value for pigmented gel coat used in the past 12 months (in kilograms per megagram).

M_{PG} = Mass of pigmented gel coat used in the past 12 months (in megagrams).

PV_{CG} = Weighted-average MACT model point value for clear gel coat used in the past 12 months (in kilograms per megagram).

M_{CG} = Mass of clear gel coat used in the past 12 months (in megagrams).

PV_{TR} = Weighted-average MACT model point valued for tooling resin used in the past 12 months (in kilograms per megagram).

M_{TR} = Mass of tooling resin used in the past 12 months (in megagrams).

PV_{TG} = Weighted-average MACT model point value for tooling gel coat used in the past 12 months (in kilograms per megagram).

M_{TG} = Mass of tooling gel coat used in the past 12 months (in megagrams).

- d. The Permittee is in compliance with the HAP emission limit if the actual emissions calculated in Condition 6.2.8.c are less than the HAP emission limit calculated in Condition 3.3.2.

- 6.2.9 If the Permittee is using Condition 3.3.3.b to demonstrate compliance with the HAP emission limit in Condition 3.3.2, then the following should be performed:
[40 CFR 63.5713]

Compliant Materials Option: At the end of each month, determine if the 12-month rolling-average HAP contents of the materials used are compliant with the organic HAP content requirements using the following procedure.

- a. The Permittee shall demonstrate compliance using the organic HAP content requirements listed in Table 6.2.9-1 (Table 2 of 40 CFR 63 Subpart VVVV) below based on a 12-month rolling-average that is calculated at the end of every month. If filled material (production resin or tooling resin) is used, compliance will be assessed according to the procedure described in Condition 6.2.10.
- b. At the end of every month, the Permittee shall review the organic HAP contents of the resins and gel coats used in the past 12 months in each operation. If all resins and gel coats used in an operation have organic HAP contents no greater than the applicable organic HAP content limits in Table 6.2.9-1, then the operation is in compliance with the emission limit specified in Condition 3.3.2 for that 12-month period. In addition, the Permittee does not need to complete the weighted-average organic HAP content calculation contained in paragraph (c) of this Condition for that operation.
- c. At the end of every month, the Permittee shall use the following equation to calculate the weighted-average organic HAP content for all resins and gel coats used in each operation in the past 12 months.

$$WA_{HC} = \frac{\sum_{i=1}^n M_i HAP_i}{\sum_{i=1}^n M_i}$$

Where,

WA_{HC} = Weighted-average HAP content percent.

M_i = Mass of open molding resin or gel coat **i** used in the past 12 months in an operation (in megagrams).

HAP_i = Organic HAP content, by weight percent, of open molding resin or gel coat **i** used in the past 12 months in an operation. Use the methods in Condition 4.1.3 and/or Condition 6.2.17 to determine the organic HAP content.

n = The number of different open molding resins or gel coats used in the past 12 months in an operation.

- d. The Permittee is in compliance with the HAP emission limit in Condition 3.3.2 if all the resins and gel coats used in an operation have organic HAP contents no greater than those specified in Table 6.2.9-1, or if the weighted-average organic HAP content, calculated in Condition 6.2.9.c, does not exceed the applicable HAP content limit in Table 6.2.9-1.

Table 6.2.9-1

For this operation...	And this application method...	The Permittee must not exceed this weighted-average organic HAP content requirement...
1. Production resin operations	a. Atomized (spray) b. Nonatomized (nonspray)	i. 28 percent ii. 35 percent
2. Pigmented gel coat operations	a. Any method	i. 33 percent
3. Clear gel coat operations	a. Any method	i. 48 percent
4. Tooling resin operations	a. Atomized (spray) b. Nonatomized (nonspray)	i. 30 percent ii. 39 percent
5. Tooling gel coat operations	a. Any method	i. 40 percent

In the event that all of the resins and gel coats utilized in an operation are not compliant with Table 6.2.9-1 the Permittee must calculate the weighted-average organic HAP content for all resins and gel coats used in each operation for the past 12 months, as a weight percentage, as specified in paragraph (c) of this Condition.

- 6.2.10 If filled resins are used, the Permittee shall demonstrate compliance by the following:
[40 CFR 63.5714]

- a. Compliance is demonstrated for the filled material on an as-applied basis using the following equation:

$$PV_F = PV_U \times \frac{100 - \% \text{ Filler}}{100}$$

Where,

PV_F = The as-applied MACT model point value for a filled production resin or tooling resin (in kilograms organic HAP per megagram of filled material).

PV_U = The MACT model point value for the neat (unfilled) resin, before filler is added, as calculated using the formulas in Table 6.2.8-1 (Table 3 of 40 CFR 63 Subpart VVVV).

%Filler = The weight-percent of filler in the as-applied filled resin system.

- b. If the filled resin is used as a production resin and the value of **PV_F** calculated in paragraph (a) of this Condition does not exceed 46 kilograms of organic HAP per megagram of filled resin applied, then the filled resin is in compliance.

- c. If the filled resin is used as a tooling resin and the value of **PV_F** calculated in paragraph (a) of this Condition does not exceed 54 kilograms of organic HAP per megagram of filled resin applied, then the filled resin is in compliance.
 - d. If filled resins are included in the emission averaging procedure outlined in Condition 6.2.8, then use the value of **PV_F** calculated using the equation in paragraph (a) of this Condition for the value of **PV_i** in the equation in Condition 6.2.8.b.
- 6.2.11 The Permittee shall demonstrate compliance with Condition 3.3.6 by the following:
[40 CFR 63.5737]
 - a. Determine and record the organic HAP content of the cleaning solvents subject to the standards specified in Condition 3.3.6 using the methods specified in Condition 4.1.3 and/or Condition 6.2.17.
 - b. If cleaning solvents are recycled on-site, the Permittee may use documentation from the solvent manufacturer or supplier, or a measurement of the organic HAP content of the cleaning solvent as originally obtained from the solvent supplier for demonstrating compliance, subject to the conditions in Condition 4.1.3 and/or Condition 6.2.17 for demonstrating compliance with organic HAP content limits.
- 6.2.12 The Permittee shall demonstrate compliance with the HAP content limit in Condition 3.3.8, by determining and recording the organic HAP content of the carpet and fabric adhesives using the methods in Condition 4.1.3 and/or Condition 6.2.17.
[40 CFR 63.5740]
- 6.2.13 The Permittee shall keep the following records for the facility for a period of no less than five (5) years from the date of record:
[40 CFR 63.5767]
 - a. A copy of each notification and compliance report submitted to the Division.
 - b. All documentation supporting any notification or compliance report submitted.
 - c. The total amounts of open molding production resin, pigmented gel coat, clear gel coat, tooling resin, and tooling gel coat used per month and the weighted-average organic HAP contents for each operation, expressed as weight-percent. For open molding production resin and tooling resin, the amounts of each applied by atomized- and non-atomized methods must be recorded.
- 6.2.14 The Permittee shall maintain all records for at least five (5) years from the date of record, with the records being kept on-site for a minimum of two (2) years. The records may be kept on paper or an alternative media, such as microfilm, computer, computer disks, magnetic tapes, or on microfiche.
[40 CFR 63.5770]

Reporting Requirements of 40 CFR Part 63 Subpart VVVV

6.2.15 The following notifications must be sent to the Division on the appropriate dates:
[40 CFR 63.5761]

- a. If any information submitted in any notification changes, the Permittee shall submit the changes in writing to the Division within 15 calendar days after the change.

6.2.16 The Permittee shall send the following reports to the Division on the appropriate dates:
[40 CFR 63.5764]

- a. Unless the Division has approved a different schedule for submission of reports, the Permittee shall submit each of the following reports by the applicable dates:
 - i. Each subsequent compliance report must cover the applicable semiannual reporting period from January 1 through June 30 or from July 1 through December 31.
 - ii. Each subsequent compliance report must be postmarked or delivered no later than 60 calendar days after the end of the semiannual reporting period.
- b. The compliance report must include the following information:
 - i. Company name and address.
 - ii. A statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the report.
 - iii. The date of the report and the beginning and ending dates of the reporting period.
 - iv. A description of any changes in the manufacturing process since the last compliance report.
 - v. A statement or table showing, for each regulated operation, the applicable organic HAP content limit, application equipment requirement, or MACT model point value averaging provision with which the facility is complying. The statement or table must also show the actual weighted-average MACT model point value (if applicable) for each operation during each of the rolling 12-month averaging periods that end during the reporting period.
 - vi. A statement indicating compliance status with the emission limits and work practice standards during the reporting period, if applicable.

vii. If an operation in the facility deviated from any of the emission limits or work practice standards during the reporting period, the following information must be included in the compliance report:

- (A) A description of the operation involved in the deviation.
- (B) A The quantity, organic HAP content, and application method (if relevant) of the materials involved in the deviation.
- (C) A description of any corrective action taken to minimize the deviation and preventative actions taken to safeguard against reoccurrence of the incident.
- (D) A statement of whether or not the facility was in compliance for the 12-month averaging period that ended at the end of the reporting period.

6.2.17 For any emission calculations or record keeping required under 40 CFR 63, Subpart VVVV, the Permittee may rely on information provided by the material manufacturer, such as manufacturer's formulation data and material safety data sheets (MSDS), using the procedures specified in paragraphs (a) through (c) of this condition, as applicable, to determine the organic HAP content of resins and gel coats.
[40 CFR 63.5758]

- a. The Permittee shall include in the organic HAP total, each organic HAP that is present at 0.1 percent by mass or more for Occupational Safety and Health Administration-defined carcinogens, as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other organic HAP compounds.
- b. If the organic HAP content is provided by the material supplier or manufacturer as a range, the Permittee shall use the upper limit of the range for determining compliance. If a separate measurement of the total organic HAP content, such as an analysis of the material by EPA Method 311 of appendix A to 40 CFR Part 63, exceeds the upper limit of the range of the total organic HAP content provided by the material supplier or manufacturer, the Permittee shall use the measured organic HAP content to determine compliance.
- c. If the organic HAP content is provided as a single value, the Permittee may use that value to determine compliance. If a separate measurement of the total organic HAP content is made and is less than 2 percentage points higher than the value for total organic HAP content provided by the material supplier or manufacturer, then the Permittee still may use the provided value to demonstrate compliance. If the measured total organic HAP content exceeds the provided value by 2 percentage points or more, then the Permittee must use the measured organic HAP content to determine compliance.

Work Practice Standard Compliance Record Keeping

- 6.2.18 The Permittee shall maintain records of which mixing containers are subject to the provisions of Condition 3.3.5 and the inspections required by and conducted according to Condition 5.2.1. The information gathered during the inspection, the date and time of the inspection, and any repairs to the covers or mixing containers subsequent to the inspection shall be kept in a logbook, suitable for inspection by or submittal to the Division, for no less than five (5) years from the date of record.
[40 CFR 63.5731(d)]
- 6.2.19 The Permittee shall maintain records of the inspections required by and conducted according to Condition 5.2.2. The information gathered during the inspection, the date and time of the inspection, and any repairs to the covers or mixing containers subsequent to the inspection shall be kept in a logbook, suitable for inspection by or submittal to the Division, for no less than five (5) years from the date of record.
[40 CFR 63.5737(c)]

Record Keeping and Reporting Requirements for the Filter Exhaust Systems

- 6.2.20 The Permittee shall maintain a suitable log to note the time and the date of the replacement of the filter media for the filter exhaust systems as required per Condition 3.5.1. These logs shall be retained for at least five years following the date of such inspections.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

PART 7.0 OTHER SPECIFIC REQUIREMENTS**7.1 Operational Flexibility**

7.1.1 The Permittee may make Section 502(b)(10) changes as defined in 40 CFR 70.2 without requiring a Permit revision, if the changes are not modifications under any provisions of Title I of the Federal Act and the changes do not exceed the emissions allowable under the Permit (whether expressed therein as a rate of emissions or in terms of total emissions). For each such change, the Permittee shall provide the Division and the EPA with written notification as required below in advance of the proposed changes and shall obtain any Permits required under Rules 391-3-1-.03(1) and (2). The Permittee and the Division shall attach each such notice to their copy of this Permit.
[391-3-1-.03(10)(b)5 and 40 CFR 70.4(b)(12)(i)]

- a. For each such change, the Permittee's written notification and application for a construction Permit shall be submitted well in advance of any critical date (typically at least 3 months in advance of any commencement of construction, Permit issuance date, etc.) involved in the change, but no less than seven (7) days in advance of such change and shall include a brief description of the change within the Permitted facility, the date on which the change is proposed to occur, any change in emissions, and any Permit term or condition that is no longer applicable as a result of the change.
- b. The Permit shield described in Condition 8.16.1 shall not apply to any change made pursuant to this condition.

7.2 Off-Permit Changes

7.2.1 The Permittee may make changes that are not addressed or prohibited by this Permit, other than those described in Condition 7.2.2 below, without a Permit revision, provided the following requirements are met:
[391-3-1-.03(10)(b)6 and 40 CFR 70.4(b)(14)]

- a. Each such change shall meet all applicable requirements and shall not violate any existing Permit term or condition.
- b. The Permittee must provide contemporaneous written notice to the Division and to the EPA of each such change, except for changes that qualify as insignificant under Rule 391-3-1-.03(10)(g). Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.
- c. The change shall not qualify for the Permit shield in Condition 8.16.1.
- d. The Permittee shall keep a record describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the Permit, and the emissions resulting from those changes.

- 7.2.2 The Permittee shall not make, without a Permit revision, any changes that are not addressed or prohibited by this Permit, if such changes are subject to any requirements under Title IV of the Federal Act or are modifications under any provision of Title I of the Federal Act.
[Rule 391-3-1-.03(10)(b)7 and 40 CFR 70.4(b)(15)]

7.3 Alternative Requirements

[White Paper #2]

Not Applicable

7.4 Insignificant Activities

(see Attachment B for the list of Insignificant Activities in existence at the facility at the time of permit issuance)

7.5 Temporary Sources

[391-3-1-.03(10)(d)5 and 40 CFR 70.6(e)]

Not Applicable

7.6 Short-term Activities

Not Applicable

7.7 Compliance Schedule/Progress Reports

[391-3-1-.03(10)(d)3 and 40 CFR 70.6(c)(4)]

None Applicable

7.8 Emissions Trading

[391-3-1-.03(10)(d)1(ii) and 40 CFR 70.6(a)(10)]

Not Applicable

7.9 Acid Rain Requirements

Not Applicable

7.10 Prevention of Accidental Releases (Section 112(r) of the 1990 CAAA)

[391-3-1-.02(10)]

- 7.10.1 When and if the requirements of 40 CFR Part 68 become applicable, the Permittee shall comply with all applicable requirements of 40 CFR Part 68, including the following.

- a. The Permittee shall submit a Risk Management Plan (RMP) as provided in 40 CFR 68.150 through 68.185. The RMP shall include a registration that reflects all covered processes.

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- b. For processes eligible for Program 1, as provided in 40 CFR 68.10, the Permittee shall comply with 7.10.1.a. and the following additional requirements:
 - i. Analyze the worst-case release scenario for the process(es), as provided in 40 CFR 68.25; document that the nearest public receptor is beyond the distance to a toxic or flammable endpoint defined in 40 CFR 68.22(a); and submit in the RMP the worst-case release scenario as provided in 40 CFR 68.165.
 - ii. Complete the five-year accident history for the process as provided in 40 CFR 68.42 and submit in the RMP as provided in 40 CFR 68.168
 - iii. Ensure that response actions have been coordinated with local emergency planning and response agencies
 - iv. Include a certification in the RMP as specified in 40 CFR 68.12(b)(4)
- c. For processes subject to Program 2, as provided in 40 CFR 68.10, the Permittee shall comply with 7.10.1.a., 7.10.1.b. and the following additional requirements:
 - i. Develop and implement a management system as provided in 40 CFR 68.15
 - ii. Conduct a hazard assessment as provided in 40 CFR 68.20 through 68.42
 - iii. Implement the Program 2 prevention steps provided in 40 CFR 68.48 through 68.60 or implement the Program 3 prevention steps provided in 40 CFR 68.65 through 68.87
 - iv. Develop and implement an emergency response program as provided in 40 CFR 68.90 through 68.95
 - v. Submit as part of the RMP the data on prevention program elements for Program 2 processes as provided in 40 CFR 68.170
- d. For processes subject to Program 3, as provided in 40 CFR 68.10, the Permittee shall comply with 7.10.1.a., 7.10.1.b. and the following additional requirements:
 - i. Develop and implement a management system as provided in 40 CFR 68.15
 - ii. Conduct a hazard assessment as provided in 40 CFR 68.20 through 68.42
 - iii. Implement the prevention requirements of 40 CFR 68.65 through 68.87
 - iv. Develop and implement an emergency response program as provided in 40 CFR 68.90 through 68.95
 - v. Submit as part of the RMP the data on prevention program elements for Program 3 as provided in 40 CFR 68.175
- e. All reports and notification required by 40 CFR Part 68 must be submitted electronically using RMP*eSubmit (information for establishing an account can be found at www.epa.gov/rmp/rmpesubmit). Electronic Signature Agreements should be mailed to:

MAIL

Risk Management Program (RMP) Reporting Center
P.O. Box 10162
Fairfax, VA 22038

COURIER & FEDEX

Risk Management Program (RMP) Reporting Center
CGI Federal
12601 Fair Lakes Circle
Fairfax, VA 22033

Compliance with all requirements of this condition, including the registration and submission of the RMP, shall be included as part of the compliance certification submitted in accordance with Condition 8.14.1.

7.11 Stratospheric Ozone Protection Requirements (Title VI of the CAAA of 1990)

- 7.11.1 If the Permittee performs any of the activities described below or as otherwise defined in 40 CFR Part 82, the Permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliance must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with record keeping requirements pursuant to 40 CFR 82.166.
[Note: "MVAC-like appliance" is defined in 40 CFR 82.152.]
 - e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
- 7.11.2 If the Permittee performs a service on motor (fleet) vehicles and if this service involves an ozone-depleting substance (refrigerant) in the MVAC, the Permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include air-tight sealed refrigeration systems used for refrigerated cargo, or air conditioning systems on passenger buses using HCFC-22 refrigerant.

7.12 Revocation of Existing Permits and Amendments

The following Air Quality Permits, Amendments, and 502(b)10 are subsumed by this permit and are hereby revoked:

Air Quality Permit and Amendment Number(s)	Dates of Original Permit or Amendment Issuance
3732-229-0007-V-06-0	September 21, 2018

7.13 Pollution Prevention

Not Applicable

7.14 Specific Conditions

Not Applicable

PART 8.0 GENERAL PROVISIONS**8.1 Terms and References**

- 8.1.1 Terms not otherwise defined in the Permit shall have the meaning assigned to such terms in the referenced regulation.
- 8.1.2 Where more than one condition in this Permit applies to an emission unit and/or the entire facility, each condition shall apply and the most stringent condition shall take precedence.
[391-3-1-.02(2)(a)2]

8.2 EPA Authorities

- 8.2.1 Except as identified as “State-only enforceable” requirements in this Permit, all terms and conditions contained herein shall be enforceable by the EPA and citizens under the Clean Air Act, as amended, 42 U.S.C. 7401, et seq.
[40 CFR 70.6(b)(1)]
- 8.2.2 Nothing in this Permit shall alter or affect the authority of the EPA to obtain information pursuant to 42 U.S.C. 7414, “Inspections, Monitoring, and Entry.”
[40 CFR 70.6(f)(3)(iv)]
- 8.2.3 Nothing in this Permit shall alter or affect the authority of the EPA to impose emergency orders pursuant to 42 U.S.C. 7603, “Emergency Powers.”
[40 CFR 70.6(f)(3)(i)]

8.3 Duty to Comply

- 8.3.1 The Permittee shall comply with all conditions of this operating Permit. Any Permit noncompliance constitutes a violation of the Federal Clean Air Act and the Georgia Air Quality Act and/or State rules and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a Permit renewal application. Any noncompliance with a Permit condition specifically designated as enforceable only by the State constitutes a violation of the Georgia Air Quality Act and/or State rules only and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a Permit renewal application.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(i)]
- 8.3.2 The Permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the Permitted activity in order to maintain compliance with the conditions of this Permit.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(ii)]
- 8.3.3 Nothing in this 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.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(f)(3)(ii)]

- 8.3.4 Issuance of this Permit does not relieve the Permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Director or any other federal, state, or local agency.
[391-3-1-.03(10)(e)1(iv) and 40 CFR 70.7(a)(6)]

8.4 Fee Assessment and Payment

- 8.4.1 The Permittee shall calculate and pay an annual Permit fee to the Division. The amount of fee shall be determined each year in accordance with the “Procedures for Calculating Air Permit Fees.”
[391-3-1-.03(9)]

8.5 Permit Renewal and Expiration

- 8.5.1 This Permit shall remain in effect for five (5) years from the issuance date. The Permit shall become null and void after the expiration date unless a timely and complete renewal application has been submitted to the Division at least six (6) months, but no more than eighteen (18) months prior to the expiration date of the Permit.
[391-3-1-.03(10)(d)1(i), (e)2, and (e)3(ii) and 40 CFR 70.5(a)(1)(iii)]
- 8.5.2 Permits being renewed are subject to the same procedural requirements, including those for public participation and affected State and EPA review, that apply to initial Permit issuance.
[391-3-1-.03(10)(e)3(i)]
- 8.5.3 Notwithstanding the provisions in 8.5.1 above, if the Division has received a timely and complete application for renewal, deemed it administratively complete, and failed to reissue the Permit for reasons other than cause, authorization to operate shall continue beyond the expiration date to the point of Permit modification, reissuance, or revocation.
[391-3-1-.03(10)(e)3(iii)]

8.6 Transfer of Ownership or Operation

- 8.6.1 This Permit is not transferable by the Permittee. Future owners and operators shall obtain a new Permit from the Director. The new Permit may be processed as an administrative amendment if no other change in this Permit is necessary, and provided that a written agreement containing a specific date for transfer of Permit responsibility coverage and liability between the current and new Permittee has been submitted to the Division at least thirty (30) days in advance of the transfer.
[391-3-1-.03(4)]

8.7 Property Rights

- 8.7.1 This Permit shall not convey property rights of any sort, or any exclusive privileges.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(iv)]

8.8 Submissions

- 8.8.1 Reports, test data, monitoring data, notifications, annual certifications, and requests for revision and renewal shall be submitted to:

**Georgia Department of Natural Resources
Environmental Protection Division
Air Protection Branch
Atlanta Tradeport, Suite 120
4244 International Parkway
Atlanta, Georgia 30354-3908**

- 8.8.2 Any records, compliance certifications, and monitoring data required by the provisions in this Permit to be submitted to the EPA shall be sent to:

**Air and Radiation Division
Air Planning and Implementation Branch
U. S. EPA Region 4
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, Georgia 30303-3104**

- 8.8.3 Any application form, report, or compliance certification submitted pursuant to this Permit shall contain a certification by a responsible official of its truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. [391-3-1-.03(10)(c)2, 40 CFR 70.5(d) and 40 CFR 70.6(c)(1)]
- 8.8.4 Unless otherwise specified, all submissions under this permit shall be submitted to the Division only.

8.9 Duty to Provide Information

- 8.9.1 The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the Permit application, shall promptly submit such supplementary facts or corrected information to the Division. [391-3-1-.03(10)(c)5]
- 8.9.2 The Permittee shall furnish to the Division, in writing, information that the Division may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the Permit, or to determine compliance with the Permit. Upon request, the Permittee shall also furnish to the Division copies of records that the Permittee is required to keep by this Permit or, for information claimed to be confidential, the Permittee may furnish such records directly to the EPA, if necessary, along with a claim of confidentiality. [391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(v)]

8.10 Modifications

- 8.10.1 Prior to any source commencing a modification as defined in 391-3-1-.01(pp) that may result in air pollution and not exempted by 391-3-1-.03(6), the Permittee shall submit a Permit application to the Division. The application shall be submitted sufficiently in advance of any critical date involved to allow adequate time for review, discussion, or revision of plans, if necessary. Such application shall include, but not be limited to, information describing the precise nature of the change, modifications to any emission control system, production capacity of the plant before and after the change, and the anticipated completion date of the change. The application shall be in the form of a Georgia air quality Permit application to construct or modify (otherwise known as a SIP application) and shall be submitted on forms supplied by the Division, unless otherwise notified by the Division.
[391-3-1-.03(1) through (8)]

8.11 Permit Revision, Revocation, Reopening and Termination

- 8.11.1 This Permit may be revised, revoked, reopened and reissued, or terminated for cause by the Director. The Permit will be reopened for cause and revised accordingly under the following circumstances:
[391-3-1-.03(10)(d)1(i)]
- a. If additional applicable requirements become applicable to the source and the remaining Permit term is three (3) or more years. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if the effective date of the requirement is later than the date on which the Permit is due to expire, unless the original permit or any of its terms and conditions has been extended under Condition 8.5.3;
[391-3-1-.03(10)(e)6(i)(I)]
 - b. If any additional applicable requirements of the Acid Rain Program become applicable to the source;
[391-3-1-.03(10)(e)6(i)(II)] (Acid Rain sources only)
 - c. The Director determines that the Permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Permit; or
[391-3-1-.03(10)(e)6(i)(III) and 40 CFR 70.7(f)(1)(iii)]
 - d. The Director determines that the Permit must be revised or revoked to assure compliance with the applicable requirements.
[391-3-1-.03(10)(e)6(i)(IV) and 40 CFR 70.7(f)(1)(iv)]
- 8.11.2 Proceedings to reopen and reissue a Permit shall follow the same procedures as applicable to initial Permit issuance and shall affect only those parts of the Permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable.
[391-3-1-.03(10)(e)6(ii)]

- 8.11.3 Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Director at least thirty (30) days in advance of the date the Permit is to be reopened, except that the Director may provide a shorter time period in the case of an emergency.
[391-3-1-.03(10)(e)6(iii)]
- 8.11.4 All Permit conditions remain in effect until such time as the Director takes final action. The filing of a request by the Permittee for any Permit revision, revocation, reissuance, or termination, or of a notification of planned changes or anticipated noncompliance, shall not stay any Permit condition.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(iii)]
- 8.11.5 A Permit revision shall not be required for changes that are explicitly authorized by the conditions of this Permit.
- 8.11.6 A Permit revision shall not be required for changes that are part of an approved economic incentive, marketable Permit, emission trading, or other similar program or process for change which is specifically provided for in this Permit.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(8)]

8.12 Severability

- 8.12.1 Any condition or portion of this Permit which is challenged, becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this Permit.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(5)]

8.13 Excess Emissions Due to an Emergency

- 8.13.1 An “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the 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 preventative maintenance, careless or improper operation, or operator error.
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(1)]
- 8.13.2 An emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the Permittee demonstrates, through properly signed contemporaneous operating logs or other relevant evidence, that:
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(2) and (3)]
- a. An emergency occurred and the Permittee can identify the cause(s) of the emergency;
 - b. The Permitted facility was at the time of the emergency being properly operated;

- c. During the period of the emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards, or other requirements in the Permit; and
 - d. The Permittee promptly notified the Division and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
- 8.13.3 In an enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency shall have the burden of proof.
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(4)]
- 8.13.4 The emergency conditions listed above are in addition to any emergency or upset provisions contained in any applicable requirement.
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(5)]

8.14 Compliance Requirements

8.14.1 Compliance Certification

The Permittee shall provide written certification to the Division and to the EPA, at least annually, of compliance with the conditions of this Permit. The annual written certification shall be postmarked no later than February 28 of each year and shall be submitted to the Division and to the EPA. The certification shall include, but not be limited to, the following elements:

[391-3-1-.03(10)(d)3 and 40 CFR 70.6(c)(5)]

- a. The identification of each term or condition of the Permit that is the basis of the certification;
- b. The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent, based on the method or means designated in paragraph c below. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR Part 64 occurred;
- c. The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period;
- d. Any other information that must be included to comply with section 113(c)(2) of the Act, which prohibits knowingly making a false certification or omitting material information; and
- e. Any additional requirements specified by the Division.

8.14.2 Inspection and Entry

- a. Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow authorized representatives of the Division to perform the following:
[391-3-1-.03(10)(d)3 and 40 CFR 70.6(c)(2)]
 - i. Enter upon the Permittee's premises where a Part 70 source is located or an 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; and
 - iv. Sample or monitor any substances or parameters at any location during operating hours for the purpose of assuring Permit compliance or compliance with applicable requirements as authorized by the Georgia Air Quality Act.
- b. No person shall obstruct, hamper, or interfere with any such authorized representative while in the process of carrying out his official duties. Refusal of entry or access may constitute grounds for Permit revocation and assessment of civil penalties.
[391-3-1-.07 and 40 CFR 70.11(a)(3)(i)]

8.14.3 Schedule of Compliance

- a. For applicable requirements with which the Permittee is in compliance, the Permittee shall continue to comply with those requirements.
[391-3-1-.03(10)(c)2 and 40 CFR 70.5(c)(8)(iii)(A)]
- b. For applicable requirements that become effective during the Permit term, the Permittee shall meet such requirements on a timely basis unless a more detailed schedule is expressly required by the applicable requirement.
[391-3-1-.03(10)(c)2 and 40 CFR 70.5(c)(8)(iii)(B)]
- c. Any schedule of compliance for applicable requirements with which the source is not in compliance at the time of Permit issuance shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based.
[391-3-1-.03(10)(c)2 and 40 CFR 70.5(c)(8)(iii)(C)]

8.14.4 Excess Emissions

- a. Excess emissions resulting from startup, shutdown, or malfunction of any source which occur though ordinary diligence is employed shall be allowed provided that:
[391-3-1-.02(2)(a)7(i)]
 - i. The best operational practices to minimize emissions are adhered to;

- ii. All associated air pollution control equipment is operated in a manner consistent with good air pollution control practice for minimizing emissions; and
- iii. The duration of excess emissions is minimized.
- b. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown or malfunction are prohibited and are violations of Chapter 391-3-1 of the Georgia Rules for Air Quality Control.
[391-3-1-.02(2)(a)7(ii)]
- c. The provisions of this condition and Georgia Rule 391-3-1-.02(2)(a)7 shall apply only to those sources which are not subject to any requirement under Georgia Rule 391-3-1-.02(8) – New Source Performance Standards or any requirement of 40 CFR, Part 60, as amended concerning New Source Performance Standards.
[391-3-1-.02(2)(a)7(iii)]

8.15 Circumvention

State Only Enforceable Condition.

- 8.15.1 The Permittee shall not build, erect, install, or use any article, machine, equipment or process the use of which conceals an emission which would otherwise constitute a violation of an applicable emission standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of the pollutants in the gases discharged into the atmosphere.
[391-3-1-.03(2)(c)]

8.16 Permit Shield

- 8.16.1 Compliance with the terms of this Permit shall be deemed compliance with all applicable requirements as of the date of Permit issuance provided that all applicable requirements are included and specifically identified in the Permit.
[391-3-1-.03(10)(d)6]

- 8.16.2 Any Permit condition identified as “State only enforceable” does not have a Permit shield.

8.17 Operational Practices

- 8.17.1 At all times, including periods of startup, shutdown, and malfunction, the Permittee shall maintain and operate the source, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on any information available to the Division that may include, but is not limited to, monitoring results, observations of the opacity or other characteristics of emissions, review of operating and maintenance procedures or records, and inspection or surveillance of the source.
[391-3-1-.02(2)(a)10]

State Only Enforceable Condition.

- 8.17.2 No person owning, leasing, or controlling, the operation of any air contaminant sources shall willfully, negligently or through failure to provide necessary equipment or facilities or to take necessary precautions, cause, permit, or allow the emission from said air contamination source or sources, of such quantities of air contaminants as will cause, or tend to cause, by themselves, or in conjunction with other air contaminants, a condition of air pollution in quantities or characteristics or of a duration which is injurious or which unreasonably interferes with the enjoyment of life or use of property in such area of the State as is affected thereby. Complying with Georgia's Rules for Air Quality Control Chapter 391-3-1 and Conditions in this Permit, shall in no way exempt a person from this provision.
[391-3-1-.02(2)(a)1]

8.18 Visible Emissions

- 8.18.1 Except as may be provided in other provisions of this Permit, the Permittee shall not cause, let, suffer, permit or allow emissions from any air contaminant source the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)1]

8.19 Fuel-burning Equipment

- 8.19.1 The Permittee shall not cause, let, suffer, permit, or allow the emission of fly ash and/or other particulate matter from any fuel-burning equipment with rated heat input capacity of less than 10 million Btu per hour, in operation or under construction on or before January 1, 1972 in amounts equal to or exceeding 0.7 pounds per million BTU heat input.
[391-3-1-.02(2)(d)]
- 8.19.2 The Permittee shall not cause, let, suffer, permit, or allow the emission of fly ash and/or other particulate matter from any fuel-burning equipment with rated heat input capacity of less than 10 million Btu per hour, constructed after January 1, 1972 in amounts equal to or exceeding 0.5 pounds per million BTU heat input.
[391-3-1-.02(2)(d)]
- 8.19.3 The Permittee shall not cause, let, suffer, permit, or allow the emission from any fuel-burning equipment constructed or extensively modified after January 1, 1972, visible emissions the opacity of which is equal to or greater than twenty (20) percent except for one six minute period per hour of not more than twenty-seven (27) percent opacity.
[391-3-1-.02(2)(d)]

8.20 Sulfur Dioxide

- 8.20.1 Except as may be specified in other provisions of this Permit, the Permittee shall not burn fuel containing more than 2.5 percent sulfur, by weight, in any fuel burning source that has a heat input capacity below 100 million Btu's per hour.
[391-3-1-.02(2)(g)]

8.21 Particulate Emissions

- 8.21.1 Except as may be specified in other provisions of this Permit, the Permittee shall not cause, let, permit, suffer, or allow the rate of emission from any source, particulate matter in total quantities equal to or exceeding the allowable rates shown below. Equipment in operation, or under construction contract, on or before July 2, 1968, shall be considered existing equipment. All other equipment put in operation or extensively altered after said date is to be considered new equipment.

[391-3-1-.02(2)(e)]

- a. The following equations shall be used to calculate the allowable rates of emission from new equipment:

$E = 4.1P^{0.67}$; for process input weight rate up to and including 30 tons per hour.

$E = 55P^{0.11} - 40$; for process input weight rate above 30 tons per hour.

- b. The following equation shall be used to calculate the allowable rates of emission from existing equipment:

$$E = 4.1P^{0.67}$$

In the above equations, E = emission rate in pounds per hour, and

P = process input weight rate in tons per hour.

8.22 Fugitive Dust

[391-3-1-.02(2)(n)]

- 8.22.1 Except as may be specified in other provisions of this Permit, the Permittee shall take all reasonable precautions to prevent dust from any operation, process, handling, transportation or storage facility from becoming airborne. Reasonable precautions that could be taken to prevent dust from becoming airborne include, but are not limited to, the following:

- a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land;
- b. Application of asphalt, water, or suitable chemicals on dirt roads, materials, stockpiles, and other surfaces that can give rise to airborne dusts;
- c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials. Adequate containment methods can be employed during sandblasting or other similar operations;
- d. Covering, at all times when in motion, open bodied trucks transporting materials likely to give rise to airborne dusts; and
- e. The prompt removal of earth or other material from paved streets onto which earth or other material has been deposited.

8.22.2 The opacity from any fugitive dust source shall not equal or exceed 20 percent.

8.23 Solvent Metal Cleaning

8.23.1 Except as may be specified in other provisions of this Permit, the Permittee shall not cause, suffer, allow, or permit the operation of a cold cleaner degreaser subject to the requirements of Georgia Rule 391-3-1-.02(2)(ff) "Solvent Metal Cleaning" unless the following requirements for control of emissions of the volatile organic compounds are satisfied:
[391-3-1-.02(2)(ff)1]

- a. The degreaser shall be equipped with a cover to prevent escape of VOC during periods of non-use,
- b. The degreaser shall be equipped with a device to drain cleaned parts before removal from the unit,
- c. If the solvent volatility is 0.60 psi or greater measured at 100 °F, or if the solvent is heated above 120 °F, then one of the following control devices must be used:
 - i. The degreaser shall be equipped with a freeboard that gives a freeboard ratio of 0.7 or greater, or
 - ii. The degreaser shall be equipped with a water cover (solvent must be insoluble in and heavier than water), or
 - iii. The degreaser shall be equipped with a system of equivalent control, including but not limited to, a refrigerated chiller or carbon adsorption system.
- d. Any solvent spray utilized by the degreaser must be in the form of a solid, fluid stream (not a fine, atomized or shower type spray) and at a pressure which will not cause excessive splashing, and
- e. All waste solvent from the degreaser shall be stored in covered containers and shall not be disposed of by such a method as to allow excessive evaporation into the atmosphere.

8.24 Incinerators

8.24.1 Except as specified in the section dealing with conical burners, no person shall cause, let, suffer, permit, or allow the emissions of fly ash and/or other particulate matter from any incinerator subject to the requirements of Georgia Rule 391-3-1-.02(2)(c) "Incinerators", in amounts equal to or exceeding the following:
[391-3-1-.02(2)(c)1-4]

- a. Units with charging rates of 500 pounds per hour or less of combustible waste, including water, shall not emit fly ash and/or particulate matter in quantities exceeding 1.0 pound per hour.

- b. Units with charging rates in excess of 500 pounds per hour of combustible waste, including water, shall not emit fly ash and/or particulate matter in excess of 0.20 pounds per 100 pounds of charge.
- 8.24.2 No person shall cause, let, suffer, permit, or allow from any incinerator subject to the requirements of Georgia Rule 391-3-1-.02(2)(c) "Incinerators", visible emissions the opacity of which is equal to or greater than twenty (20) percent except for one six minute period per hour of not more than twenty-seven (27) percent opacity.
- 8.24.3 No person shall cause or allow particles to be emitted from an incinerator subject to the requirements of Georgia Rule 391-3-1-.02(2)(c) "Incinerators" which are individually large enough to be visible to the unaided eye.
- 8.24.4 No person shall operate an existing incinerator subject to the requirements of Georgia Rule 391-3-1-.02(2)(c) "Incinerators" unless:
 - a. It is a multiple chamber incinerator;
 - b. It is equipped with an auxiliary burner in the primary chamber for the purpose of creating a pre-ignition temperature of 800°F; and
 - c. It has a secondary burner to control smoke and/or odors and maintain a temperature of at least 1500°F in the secondary chamber.

8.25 Volatile Organic Liquid Handling and Storage

- 8.25.1 The Permittee shall ensure that each storage tank subject to the requirements of Georgia Rule 391-3-1-.02(2)(vv) "Volatile Organic Liquid Handling and Storage" is equipped with submerged fill pipes. For the purposes of this condition and the permit, a submerged fill pipe is defined as any fill pipe with a discharge opening which is within six inches of the tank bottom.
[391-3-1-.02(2)(vv)(1)]

8.26 Use of Any Credible Evidence or Information

- 8.26.1 Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit, for the purpose of submission of compliance certifications or establishing whether or not a person has violated or is in violation of any emissions limitation or standard, nothing in this permit or any Emission Limitation or Standard to which it pertains, shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.
[391-3-1-.02(3)(a)]

8.27 Internal Combustion Engines

- 8.27.1 For diesel-fired internal combustion engine(s) manufactured after April 1, 2006 or modified/reconstructed after July 11, 2005, the Permittee shall comply with all applicable provisions of New Source Performance Standards (NSPS) as found in 40 CFR 60 Subpart A - "General Provisions" and 40 CFR 60 Subpart IIII - "Standards of Performance for Stationary Compression Ignition Internal Combustion Engines." Such requirements include but are not limited to:
[40 CFR 60.4200]
- a. Equip all emergency generator engines with non-resettable hour meters in accordance with Subpart IIII.
 - b. Purchase only diesel fuel with a maximum sulfur content of 15 ppm unless otherwise specified by the Division in accordance with Subpart IIII.
 - c. Conduct engine maintenance prescribed by the engine manufacturer in accordance with Subpart IIII.
 - d. Limit non-emergency operation of each emergency generator to 100 hours per year in accordance with Subpart IIII. Non-emergency operation other than maintenance and readiness testing is prohibited for engines qualifying as "emergency generators" for the purposes of Ga Rule 391-3-1-.02(2)(mmm).
 - e. Maintain any records in accordance with Subpart IIII
 - f. Maintain a list of engines subject to 40 CFR 60 Subpart IIII, including the date of manufacture.[391-3-1-.02(6)(b)]
- 8.27.2 The Permittee shall comply with all applicable provisions of New Source Performance Standards (NSPS) as found in 40 CFR 60 Subpart A - "General Provisions" and 40 CFR 60 Subpart JJJJ - "Standards of Performance for Stationary Spark Ignition Internal Combustion Engines," for spark ignition internal combustion engine(s) (gasoline, natural gas, liquefied petroleum gas or propane-fired) manufactured after July 1, 2007 or modified/reconstructed after June 12, 2006.
[40 CFR 60.4230]
- 8.27.3 The Permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAP) as found in 40 CFR 63 Subpart A - "General Provisions" and 40 CFR 63 Subpart ZZZZ - "National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines."

For diesel-fired emergency generator engines defined as "existing" in 40 CFR 63 Subpart ZZZZ (constructed prior to June 12, 2006 for area sources of HAP, constructed prior to June 12, 2006 for ≤500hp engines at major sources, and constructed prior to December 19, 2002 for >500hp engines at major sources of HAP), such requirements (if applicable) include but are not limited to:
[40 CFR 63.6580]

- a. Equip all emergency generator engines with non-resettable hour meters in accordance with Subpart ZZZZ.
- b. Purchase only diesel fuel with a maximum sulfur content of 15 ppm unless otherwise specified by the Division in accordance with Subpart ZZZZ.
- c. Conduct the following in accordance with Subpart ZZZZ.
 - i. Change oil and filter every 500 hours of operation or annually, whichever comes first
 - ii. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first and replace as necessary
 - iii. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first and replace as necessary.
- d. Limit non-emergency operation of each emergency generator to 100 hours per year in accordance with Subpart ZZZZ. Non-emergency operation other than maintenance and readiness testing is prohibited for engines qualifying as “emergency generators” for the purposes of Ga Rule 391-3-1-.02(2)(mmm).
- e. Maintain any records in accordance with Subpart ZZZZ
- f. Maintain a list of engines subject to 40 CFR 63 Subpart ZZZZ, including the date of manufacture.[391-3-1-.02(6)(b)]

8.28 Boilers and Process Heaters

- 8.28.1 If the facility/site is an area source of Hazardous Air Pollutants, the Permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 63 Subpart A - “General Provisions” and 40 CFR 63 Subpart JJJJJ - “National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers.”
[40 CFR 63.11193]
- 8.28.2 If the facility/site is a major source of Hazardous Air Pollutants, the Permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 63 Subpart A - “General Provisions” and 40 CFR 63 Subpart DDDDD - “National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters.”
[40 CFR 63.7480]

Attachments

- A. List of Standard Abbreviations and List of Permit Specific Abbreviations
- B. Insignificant Activities Checklist, Insignificant Activities Based on Emission Levels and Generic Emission Groups
- C. List of References

List Of Standard Abbreviations

[illegible]

ATTACHMENT B

NOTE: Attachment B contains information regarding insignificant emission units/activities and groups of generic emission units/activities in existence at the facility at the time of Permit issuance. Future modifications or additions of insignificant emission units/activities and equipment that are part of generic emissions groups may not necessarily cause this attachment to be updated.

INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
Mobile Sources	1. Cleaning and sweeping of streets and paved surfaces	1
Combustion Equipment	1. Fire fighting and similar safety equipment used to train fire fighters or other emergency personnel.	
	2. Small incinerators that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act and are not considered a "designated facility" as specified in 40 CFR 60.32e of the Federal emissions guidelines for Hospital/Medical/Infectious Waste Incinerators, that are operating as follows:	
	i) Less than 8 million BTU/hr heat input, firing types 0, 1, 2, and/or 3 waste.	
	ii) Less than 8 million BTU/hr heat input with no more than 10% pathological (type 4) waste by weight combined with types 0, 1, 2, and/or 3 waste.	
	iii) Less than 4 million BTU/hr heat input firing type 4 waste. (Refer to 391-3-1-.03(10)(g)2.(ii) for descriptions of waste types)	
	3. Open burning in compliance with Georgia Rule 391-3-1-.02 (5).	
	4. Stationary engines burning:	
	i) Natural gas, LPG, gasoline, dual fuel, or diesel fuel which are used exclusively as emergency generators shall not exceed 500 hours per year or 200 hours per year if subject to Georgia Rule 391-3-1-.02(2)(mmm).7	
	ii) Natural gas, LPG, and/or diesel fueled generators used for emergency, peaking, and/or standby power generation, where the combined peaking and standby power generation do not exceed 200 hours per year.	
	iii) Natural gas, LPG, and/or diesel fuel used for other purposes, provided that the output of each engine does not exceed 400 horsepower and that no individual engine operates for more than 2,000 hours per year.	
	iv) Gasoline used for other purposes, provided that the output of each engine does not exceed 100 horsepower and that no individual engine operates for more than 500 hours per year.	
Trade Operations	1. Brazing, soldering, and welding equipment, and cutting torches related to manufacturing and construction activities whose emissions of hazardous air pollutants (HAPs) fall below 1,000 pounds per year.	
Maintenance, Cleaning, and Housekeeping	1. Blast-cleaning equipment using a suspension of abrasive in water and any exhaust system (or collector) serving them exclusively.	
	2. Portable blast-cleaning equipment.	
	3. Non-Perchloroethylene Dry-cleaning equipment with a capacity of 100 pounds per hour or less of clothes.	
	4. Cold cleaners having an air/vapor interface of not more than 10 square feet and that do not use a halogenated solvent.	
	5. Non-routine clean out of tanks and equipment for the purposes of worker entry or in preparation for maintenance or decommissioning.	
	6. Devices used exclusively for cleaning metal parts or surfaces by burning off residual amounts of paint, varnish, or other foreign material, provided that such devices are equipped with afterburners.	
	7. Cleaning operations: Alkaline phosphate cleaners and associated cleaners and burners.	

Title V Permit

Composite Research, Inc

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INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
Laboratories and Testing	1. Laboratory fume hoods and vents associated with bench-scale laboratory equipment used for physical or chemical analysis.	
	2. Research and development facilities, quality control testing facilities and/or small pilot projects, where combined daily emissions from all operations are not individually major or are support facilities not making significant contributions to the product of a collocated major manufacturing facility.	
Pollution Control	1. Sanitary waste water collection and treatment systems, except incineration equipment or equipment subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	2. On site soil or groundwater decontamination units that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	3. Bioremediation operations units that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	4. Landfills that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
Industrial Operations	1. Concrete block and brick plants, concrete products plants, and ready mix concrete plants producing less than 125,000 tons per year.	
	2. Any of the following processes or process equipment which are electrically heated or which fire natural gas, LPG or distillate fuel oil at a maximum total heat input rate of not more than 5 million BTU's per hour:	
	i) Furnaces for heat treating glass or metals, the use of which do not involve molten materials or oil-coated parts.	
	ii) Porcelain enameling furnaces or porcelain enameling drying ovens.	
	iii) Kilns for firing ceramic ware.	
	iv) Crucible furnaces, pot furnaces, or induction melting and holding furnaces with a capacity of 1,000 pounds or less each, in which sweating or distilling is not conducted and in which fluxing is not conducted utilizing free chlorine, chloride or fluoride derivatives, or ammonium compounds.	
	v) Bakery ovens and confection cookers.	
	vi) Feed mill ovens.	
	vii) Surface coating drying ovens	
	3. Carving, cutting, routing, turning, drilling, machining, sawing, surface grinding, sanding, planing, buffing, shot blasting, shot peening, or polishing; ceramics, glass, leather, metals, plastics, rubber, concrete, paper stock or wood, also including roll grinding and ground wood pulping stone sharpening, provided that:	3
	i) Activity is performed indoors; &	
	ii) No significant fugitive particulate emissions enter the environment; &	
	iii) No visible emissions enter the outdoor atmosphere.	
	4. Photographic process equipment by which an image is reproduced upon material sensitized to radiant energy (e.g., blueprint activity, photographic developing and microfiche).	
	5. Grain, food, or mineral extrusion processes	
	6. Equipment used exclusively for sintering of glass or metals, but not including equipment used for sintering metal-bearing ores, metal scale, clay, fly ash, or metal compounds.	
	7. Equipment for the mining and screening of uncrushed native sand and gravel.	
	8. Ozonization process or process equipment.	
	9. Electrostatic powder coating booths with an appropriately designed and operated particulate control system.	
	10. Activities involving the application of hot melt adhesives where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.	
	11. Equipment used exclusively for the mixing and blending water-based adhesives and coatings at ambient temperatures.	
	12. Equipment used for compression, molding and injection of plastics where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.	
	13. Ultraviolet curing processes where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.	

Title V Permit

Composite Research, Inc

Permit No.: 3732-229-0007-V-07-0

INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
Storage Tanks and Equipment	1. All petroleum liquid storage tanks storing a liquid with a true vapor pressure of equal to or less than 0.50 psia as stored.	1
	2. All petroleum liquid storage tanks with a capacity of less than 40,000 gallons storing a liquid with a true vapor pressure of equal to or less than 2.0 psia as stored that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	3. All petroleum liquid storage tanks with a capacity of less than 10,000 gallons storing a petroleum liquid.	1
	4. All pressurized vessels designed to operate in excess of 30 psig storing petroleum fuels that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	5. Gasoline storage and handling equipment at loading facilities handling less than 20,000 gallons per day or at vehicle dispensing facilities that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	6. Portable drums, barrels, and totes provided that the volume of each container does not exceed 550 gallons.	30
	7. All chemical storage tanks used to store a chemical with a true vapor pressure of less than or equal to 10 millimeters of mercury (0.19 psia).	

INSIGNIFICANT ACTIVITIES BASED ON EMISSION LEVELS

Description of Emission Units / Activities	Quantity

ATTACHMENT B (continued)**GENERIC EMISSION GROUPS**

Emission units/activities appearing in the following table are subject only to one or more of Georgia Rules 391-3-1-.02 (2) (b), (e) &/or (n). Potential emissions of particulate matter, from these sources based on TSP, are less than 25 tons per year per process line or unit in each group. Any emissions unit subject to a NESHAP, NSPS, or any specific Air Quality Permit Condition(s) are not included in this table.

Description of Emissions Units / Activities	Number of Units (if appropriate)	Applicable Rules		
		Opacity Rule (b)	PM from Mfg Process Rule (e)	Fugitive Dust Rule (n)

The following table includes groups of fuel burning equipment subject only to Georgia Rules 391-3-1-.02 (2) (b) & (d). Any emissions unit subject to a NESHAP, NSPS, or any specific Air Quality Permit Condition(s) are not included in this table.

Description of Fuel Burning Equipment	Number of Units
Fuel burning equipment with a rated heat input capacity of less than 10 million BTU/hr burning only natural gas and/or LPG.	
Fuel burning equipment with a rated heat input capacity of less than 5 million BTU/hr, burning only distillate fuel oil, natural gas and/or LPG.	
Any fuel burning equipment with a rated heat input capacity of 1 million BTU/hr or less.	

ATTACHMENT C

LIST OF REFERENCES

1. The Georgia Rules for Air Quality Control Chapter 391-3-1. All Rules cited herein which begin with 391-3-1 are State Air Quality Rules.
2. Title 40 of the Code of Federal Regulations; specifically 40 CFR Parts 50, 51, 52, 60, 61, 63, 64, 68, 70, 72, 73, 75, 76 and 82. All rules cited with these parts are Federal Air Quality Rules.
3. *Georgia Department of Natural Resources, Environmental Protection Division, Air Protection Branch, Procedures for Testing and Monitoring Sources of Air Pollutants.*
4. *Georgia Department of Natural Resources, Environmental Protection Division, Air Protection Branch, Procedures for Calculating Air Permit Fees.*
5. Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume I: Stationary Point and Area Sources. This information may be obtained from EPA's TTN web site at www.epa.gov/ttn/chief/ap42/index.html.
6. The latest properly functioning version of EPA's **TANKS** emission estimation software. The software may be obtained from EPA's TTN web site at www.epa.gov/ttn/chief/software/tanks/index.html.
7. The Clean Air Act (42 U.S.C. 7401 et seq).
8. White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995 (White Paper #1).
9. White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program, March 5, 1996 (White Paper #2).