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Mr. Alton Herndon
Managing Partner
Southport Boat Works
Post Office Box 3068
Wilmington, NC 28406

Dear Mr. Herndon:

SUBJECT: Air Quality Permit No. 09416T01
Facility ID: 06/010/00106
Southport Boat Works
Leland, North Carolina
Brunswick County
Fee Class: Title V

In accordance with your completed Air Quality Permit Application for an 1st Time Title V permit received September 5, 2005, we are forwarding herewith Air Quality Permit No. 09415T01 to Southport Boat Works, 2080 Enterprise Drive NE, Leland, North Carolina authorizing the operation, as outlined in Part I, and the construction, as outlined in Part II, of the emission source(s) and associated air pollution control device(s) specified herein. Additionally, any emissions activities determined from your Air Quality Permit Application as being insignificant per 15A North Carolina Administrative Code 2Q .0503 have been listed for informational purposes as an "ATTACHMENT." Please note the requirements for the annual compliance certification are contained in General Condition P in Section 3 of Part I.

As the designated responsible official it is your responsibility to review, understand, and abide by all of the terms and conditions of the attached permit. It is also your responsibility to ensure that any person who operates any emission source and associated air pollution control device subject to any term or condition of the attached permit reviews, understands, and abides by the condition(s) of the attached permit that are applicable to that particular emission source.

If any parts, requirements, or limitations contained in this Air Quality Permit are unacceptable to you, you have the right to request a formal adjudicatory hearing within 30 days following receipt of this permit,

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identifying the specific issues to be contested. This hearing request must be in the form of a written petition, conforming to NCGS (North Carolina General Statutes) 150B-23, and filed with **both** the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, North Carolina 27699-6714 and the Division of Air Quality, Permitting Section, 1641 Mail Service Center, Raleigh, North Carolina 27699-1641. The form for requesting a formal adjudicatory hearing may be obtained upon request from the Office of Administrative Hearings. Unless a request for a hearing is made pursuant to NCGS 150B-23, this Air Quality Permit shall be final and binding.

You may request modification of your Air Quality Permit through informal means pursuant to NCGS 150B-22. This request must be submitted in **writing** to the Director and must identify the specific provisions or issues for which the modification is sought. Please note that this Air Quality Permit will become final and binding regardless of a request for informal modification unless a request for a hearing is also made under NCGS 150B-23.

The construction of new air pollution emission source(s) and associated air pollution control device(s), or modifications to the emission source(s) and air pollution control device(s) described in this permit must be covered under an Air Quality Permit issued by the Division of Air Quality prior to construction. Failure to do so is a violation of GS 143-215.108 and may subject the Permittee to civil or criminal penalties as described in GS 143-215.114A and 143-215.114B.

This Air Quality Permit shall be effective from XX until XX, is nontransferable to future owners and operators, and shall be subject to the conditions and limitations as specified therein.

Should you have any questions concerning this matter, please contact Ms. Jenny Sheppard at (919) 715-6259.

Sincerely yours,

Laura S. Butler, P.E.
Chief

Enclosure

c: Gregg Worley, EPA Region 4
Winston Salem Regional Office
Central Files

State of North Carolina,
Department of Environment,
and Natural Resources

Division of Air Quality



AIR QUALITY PERMIT

Permit No.	Replaces Permit No.(s)	Effective Date	Expiration Date
09416T01	09416R00	XXXX (renewals eff. on issue, others may require 45 days)	XXXX

Until such time as this permit expires or is modified or revoked, the below named Permittee is authorized to operate, as outlined in Part I, and to construct, as outlined in Part II, the emission source(s) and associated air pollution control device(s) specified herein, in accordance with the terms, conditions, and limitations within this permit. This permit is issued under the provisions of Article 21B of Chapter 143, General Statutes of North Carolina as amended, and Title 15A North Carolina Administrative Codes (15A NCAC), Subchapters 2D and 2Q, and other applicable Laws.

Pursuant to Title 15A NCAC, Subchapter 2Q, the Permittee shall not construct, operate, or modify any emission source(s) or air pollution control device(s) without having first submitted a complete Air Quality Permit Application to the permitting authority and received an Air Quality Permit, except as provided in this permit.

Permittee:

Southport Boat Works

Facility ID:

06/010/00106

Facility Site Location:

2080 Enterprise Drive NE

City, County, State, Zip:

Leland, Brunswick County, North Carolina 28451

Mailing Address:

Post Office Box 3068

City, State, Zip:

Wilmington, North Carolina 28406

Application Number:

1000106.05A

Complete Application Date:

September 5, 2005

Renewal Application Due Date:

Renewal Application Due Date (9 mths prior to expir. date)

Primary SIC Code:

3732

Division of Air Quality,

Winston Salem Regional Office

Regional Office Address:

127 Cardinal Drive Extension

Wilmington, NC 28405

Permit issued this the **XX** day of **XXXXXX**, **XXXX (Engineer Note: enter/type in date; do not leave blanks here!)**

Laura S. Butler, P.E., Chief, Air Permits Section

By Authority of the Environmental Management Commission

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ATTACHMENT

List of Acronyms

PART II

This permit does not include a Part II.

PART I

AIR QUALITY FEDERAL TITLE V AND STATE OPERATION PERMIT

The Division of Air Quality (DAQ), the United States Environmental Protection Agency (EPA), and citizens as defined under the Federal Clean Air Act have the authority to enforce the terms, conditions, and limitations contained in Part I of this permit unless otherwise specified.

Under Title 15A NCAC 2Q, the operation of emission source(s) and associated air pollution control device(s) and appurtenances listed in Part I of this permit is based on plans, specifications, operating parameters, and other information as submitted in the Air Quality Permit Application.

SECTION 1- PERMITTED EMISSION SOURCE (S) AND ASSOCIATED AIR POLLUTION CONTROL DEVICE (S) AND APPURTENANCES

The following table contains a summary of all permitted emission sources and associated air pollution control devices and appurtenances:

Emission Source ID No.	Emission Source Description	Control Device ID No.	Control Device Description
MACT ES-L1	One lamination/gelcoat operation	N/A	N/A
ES-RST-1	One 5,000 gallon resin storage tank	N/A	N/A

SECTION 2 - SPECIFIC LIMITATIONS AND CONDITIONS

2.1- Emission Source(s) and Control Device(s) Specific Limitations and Conditions

The emission source(s) and associated air pollution control device(s) and appurtenances listed below are subject to the following specific terms, conditions, and limitations, including the testing, monitoring, recordkeeping, and reporting requirements as specified herein:

MACT

A. One lamination/gelcoat operation (ID No. ES-L1)

The following table provides a summary of limits and standards for the emission source(s) described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
particulate matter	$E=4.10P^{0.67}$ where E = allowable emission rate in lbs/hour P = process weight in tons per hour	15A NCAC 2D .0515
visible emissions	20 percent opacity	15A NCAC 2D .0521
Odors	See Section 2.2.(A)(1); State enforceable only	15A NCAC 2D .1806
hazardous air pollutants	See Section 2.2.(C)(1)	15A NCAC 2D .1111 (Subpart VVVV)
volatile organic compounds	See Section 2.2.(B)(1); Less than 250 tons per year	15A NCAC 2D .0530
volatile organic compounds	See Section 2.2.(A)(2); State enforceable only	15A NCAC 2D .0958

1. **15A NCAC 2D .0515: PARTICULATES FROM MISCELLANEOUS INDUSTRIAL PROCESSES**

- a. Emissions of particulate matter from this source shall not exceed an allowable emission rate as calculated by the following equation: [15A NCAC 2D .0515(a)]

$$E = 4.10 \times P^{0.67} \quad \text{Where } E = \text{allowable emission rate in pounds per hour}$$

$$P = \text{process weight in tons per hour}$$

Liquid and gaseous fuels and combustion air are not considered as part of the process weight.

Testing [15A NCAC 2D .0501 (c)(3)]

- b. If emissions testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test are above the limit given in Section 2.1 A. 1. a. above, the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0515.

Monitoring/Recordkeeping [15A NCAC 2Q .0508(f)]

- c. The Permittee shall maintain production records which specify the types of materials and finishes processed and shall make these records available to a DAQ authorized representative upon request. The Permittee shall be

deemed in noncompliance with 15A NCAC 2D .0515 if the production records are not maintained or the types of materials and finishes are not monitored.

2. 15A NCAC 2D .0521: CONTROL OF VISIBLE EMISSIONS

- a. Visible emissions from this lamination line (ID No. ES-L1) shall not be more than 20 percent opacity when averaged over a six-minute period. However, six-minute averaging periods may exceed 20 percent not more than once in any hour and not more than four times in any 24-hour period. In no event shall the six-minute average exceed 87 percent opacity. [15A NCAC 2D .0521 (d)]

Testing [15A NCAC 2D .0501(c)(8)]

- b. If emissions testing is required, the testing shall be performed in accordance with 15A NCAC 2D .0501(c)(8) and General Condition JJ. If the results of this test are above the limit above, the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0521.

Monitoring [15A NCAC 2Q .0508(f)]

- c. To assure compliance, once a month the Permittee shall observe the emission points of this source for any visible emissions above normal. The Permittee shall establish [normal] for the source in the first 30 days following the effective date of the permit. If visible emissions from this source are observed to be above normal, the Permittee shall either:
 - i. take appropriate action to correct the above-normal emissions within the monitoring period and record the action taken as provided in the recordkeeping requirements below, or
 - ii. demonstrate that the percent opacity from the emission points of the emission source in accordance with 15A NCAC 2D .0501(c)(8) is below the limit given in Section 2.1 B.2. a. above.

If the above-normal emissions are not corrected per (i) above or if the demonstration in (ii) above cannot be made, the Permittee shall be deemed to be in noncompliance with 15A NCAC 2D .0521.

Recordkeeping [15A NCAC 2Q .0508(f)]

- d. The results of the monitoring shall be maintained in a logbook (written or electronic format) on-site and made available to an authorized representative upon request. The logbook shall record the following:
 - i. the date and time of each recorded action;
 - ii. the results of each observation and/or test noting those sources with emissions that were observed to be in noncompliance along with any corrective actions taken to reduce visible emissions; and
 - iii. the results of any corrective actions performed.

The Permittee shall be deemed in noncompliance with 15A NCAC 2D .0521 if these records are not maintained.

Reporting [15A NCAC 2Q .0508(f)]

- e. The Permittee shall submit a summary report of the observations postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

B. One 5,000 gallon resin storage tank (ID No. ES-RST-1)

The following table provides a summary of limits and standards for the emission source(s) described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
None	See Section 2.3 Other Applicable Requirements.	15A NCAC 2Q .0508(g): "Prevention of Accidental Releases - Section 112 (r) of the Clean Air Act"

2.2- Multiple Emission Source(s) Specific Limitations and Conditions

STATE-ONLY REQUIREMENTS

A. Facility-wide affected sources

The following table provides a summary of limits and standards for the emission source(s) describe above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
odors	odorous emissions must be controlled; State enforceable only	15A NCAC 2D .1806
volatile organic compounds	work practice standards	15A NCAC 2D .0958

STATE-ENFORCEABLE ONLY

1. 15A NCAC 2D .1806: CONTROL AND PROHIBITION OF ODOROUS EMISSIONS

- a. The Permittee shall not operate the facility without implementing management practices or installing and operating odor control equipment sufficient to prevent odorous emissions from the facility from causing or contributing to objectionable odors beyond the facility's boundary.

STATE-ENFORCEABLE ONLY

2. 15A NCAC 2D .0958: WORK PRACTICES FOR SOURCES OF VOLATILE ORGANIC COMPOUNDS

- a. Pursuant to 15A NCAC 2D .0958, for all sources that use volatile organic compounds (VOC) as solvents, carriers, material processing media, or industrial chemical reactants, or in similar uses that mix, blend, or manufacture volatile organic compounds, or emit volatile organic compounds as a product of chemical reactions, and whose emissions of VOC are greater than 15 pounds per day; the Permittee shall:
 - (1) store all material, including waste material, containing volatile organic compounds in tanks or in containers, covered with a tightly fitting lid that is free of cracks, holes, or other defects, when not in use,
 - (2) clean up spills of volatile organic compounds as soon as possible following proper safety procedures,
 - (3) store wipe rags containing volatile organic compounds in closed containers,
 - (4) not clean sponges, fabric, wood, paper products, and other absorbent materials with volatile organic compounds,
 - (5) transfer solvents containing volatile organic compounds used to clean supply lines and other coating equipment into closable containers and close such containers immediately after each use, or transfer such solvents to closed tanks, or to a treatment facility regulated under section 402 of the Clean Water Act,
 - (6) clean mixing, blending, and manufacturing vats and containers containing volatile organic compounds by adding cleaning solvent and close the vat or container before agitating the cleaning solvent. The spent cleaning solvent shall then be transferred into a closed container, a closed tank or a treatment facility regulated under section 402 of the Clean Water Act. [15A NCAC 2D .0958(c)]
- b. When cleaning parts with a solvent containing a volatile organic compound, the Permittee shall:
 - (1) flush parts in the freeboard area,
 - (2) take precautions to reduce the pooling of solvent on and in the parts,

- (3) tilt or rotate parts to drain solvent and allow a minimum of 15 seconds for drying or until all dripping has stopped, whichever is longer,
- (4) not fill cleaning machines above the fill line,
- (5) not agitate solvent to the point of causing splashing. [15A NCAC 2D .0958(d)]

Monitoring

- c. To assure compliance with paragraphs (a) and (b) above, the Permittee shall, at a minimum, perform a visual inspection once per month of all operations and processes utilizing volatile organic compounds. The inspections shall be conducted during normal operations. If the required inspections are not conducted the Permittee shall be deemed to be in noncompliance with 15A NCAC 2D .0958.

Recordkeeping

- d. The results of the inspections shall be maintained in a logbook (written or electronic format) on-site and made available to an authorized representative upon request. The logbook shall record the following:
 - i. the date and time of each inspection; and
 - ii. the results of each inspection noting whether or not noncompliant conditions were observed.
 If the required records are not maintained the Permittee shall be deemed to be in noncompliance with 15A NCAC 2D .0958.

Reporting

- e. The Permittee shall submit a summary report of the observations by January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

B. Facility-wide affected sources

The following table provides a summary of limits and standards for the emission source(s) describe above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
Volatile organic compounds	less than 250 tons per year	Avoidance of 15A NCAC 2D .0530

1. 15A NCAC 2Q. 0317: AVOIDANCE CONDITIONS

15A NCAC 2D. 0530: PREVENTION OF SIGNIFICANT DETERIORATION

- a. In order to avoid applicability of this regulation, the above emission sources shall discharge into the atmosphere less than 250 tons of VOCs per consecutive 12-month period. [15A NCAC 2D .0530]

Monitoring/Recordkeeping [15A NCAC 2Q .0508 (f)]

- b. Calculations of VOC emissions per month shall be made at the end of each month. VOC emissions shall be determined by multiplying the total amount of each type of VOC-containing material consumed during the month by the VOC content of the material. The Permittee shall be deemed in noncompliance with 15A NCAC 2D .0530 if the amounts of VOC containing materials or the VOC emissions are not monitored and recorded.
- c. Calculations and the total amount of VOC emissions shall be recorded monthly in a logbook (written or electronic format). The Permittee shall be deemed in noncompliance with 15A NCAC 2D .0530 if the VOC emissions exceed this limit.

Reporting [15A NCAC 2Q .0508(f)]

- d. The Permittee shall submit a summary report of monitoring and recordkeeping activities within 30 days after each calendar year quarter, due and postmarked on or before January 30 of each calendar year for the preceding three-month period between October and December, April 30 of each calendar year for the preceding three-month period between January and March, July 30 of each calendar year for the preceding three-month period between

April and June, and October 30 for the calendar year for the preceding three-month period between July and September. The report shall contain the following:

- i. The monthly VOC emissions for the previous 14 months. The emissions shall be calculated for each of the 12-month periods over the previous 14 months.

C. Affected sources – All facilities subject to 40 CFR Part 63 Subpart VVVV: NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR BOAT MANUFACTURING

Lamination process (ID No. ES-L-1)

APPLICABILITY

1. The boat manufacturing operations (ID No. ES-L1) shall comply with all requirements of 15A NCAC 2D .1111 “Maximum Achievable Control Technology” and 40 CFR Part 63 Subpart VVVV “National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing.” [40 CFR § 63.5689]

DEFINITIONS AND NOMENCLATURE

2. For the purpose of this permit condition, the definitions and nomenclature contained in 40 CFR § 63.5779 shall apply.

REGULATED POLLUTANTS

3. Hazardous Air Pollutants (HAPs) as defined in 40 CFR § 63.5779.

STANDARDS FOR OPEN MOLDING RESIN AND GEL COAT OPERATIONS [40 CFR § 63.5698]

4. The facility must limit organic HAP emissions from the following five open molding operations to the emission limit specified in the equation below: 1) Production resin, 2) Pigmented gel coat, 3) Clear gel coat, 4) Tooling resin, and 5) Tooling gel coat.

The facility must limit organic HAP emissions from open molding operations to the limit specified by equation 1 of this section, based on a 12-month rolling average:

$$\text{HAP Limit} = [46(M_R) + [159(M_{PG}) + 291(M_{CG}) + 54(M_{TR}) + 214(M_{TG})] \quad (\text{Equation 1})$$

Where:

HAP Limit = total allowable organic HAP that can be emitted from the open molding operations

M_R = mass of production resin used in the last 12 months, excluding any materials exempt under paragraph (a) below, measured in megagrams.

M_{PG} = mass of pigmented gel coat used in the last 12 months, excluding any materials exempted under paragraph (a) below, measured in megagrams.

M_{CG} = mass of clear gel coat used in the last 12 months, excluding any materials exempted under paragraph (a) below, measured in megagrams.

M_{TR} = mass of tooling resin used in the last 12 months, excluding any materials exempted under paragraph (a) below, measured in megagrams.

M_{TG} = mass of tooling gel coat used in the last 12 months, excluding any materials exempted under paragraph (a) below, megagrams

- (a) The following sources are exempt from the open molding emission limit specified in equation:

- (1) 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 lifeboats, rescue boats, and other life saving appliances. Production resins for which this exemption is used must be applied with nonatomizing resin application equipment, and records must be kept for the resins for which this

exemption is being used.

- (2) 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 this facility on a 12-month rolling average basis. The facility must keep a record of the amount of gel coats used per month for which this exemption is being used and copies of calculations showing that the exempt amount does not exceed 1 percent of all gel coat used.
- (3) Pure, 100 percent vinylester resin used for skin coats. This exemption does not apply to blends of polyester and vinylester skin coats used in resins. 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. The facility must keep a record of the amount of 100% vinylester skin coat resin used per month that is eligible for this exemption and copies of calculations showing that the exempt amount does not exceed 5 percent of all resin used.

OPTIONS FOR COMPLYING WITH THE OPEN MOLDING EMISSION LIMIT [40 CFR § 63.5701]

5. One or more of the options in paragraphs (a) through (c) must be used to meet the emission limit in § 63.5698.

- (a) MACT model point value averaging (emissions averaging) option:

Compliance with this option is based on a 12-month rolling average, using the procedures in § 63.5710.

- (b) Compliant materials option.

Demonstrate compliance by using resins and gel coats that meet the organic HAP content requirement in Table 2 to this subpart, listed under 2.2.(C)(27). Compliance with this option is based on a 12-month rolling average.

- (c) Add-on control option.

Use an enclosure and add-on control device, and demonstrate that the resulting emissions meet the emission limit in § 63.5698. Compliance with this option is based on control device performance testing and control device monitoring.

GENERAL REQUIREMENTS FOR COMPLYING WITH THE OPEN MOLDING EMISSION LIMIT [40 CFR § 63.5704]

6. (a) *Emissions Averaging Option:*

The facility must show compliance with the emissions averaging option by performing the steps in (a)(1) through (a)(5) below:

- (1) Use the methods in § 63.5758 to determine the organic HAP content of resins and gel coats.
- (2) Complete the calculations in § 63.5710 to show that the organic HAP emissions do not exceed the limit in § 63.5758.
- (3) Keep records as specified in paragraphs (a)(3)(i) through (iv) of this section 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 nonatomizing technology.
 - (iv) Calculations performed to demonstrate compliance based on MACT model point values, as described in § 63.5710.

(4) Prepare and submit the implementation plan described in § 63.5707 to the Administrator and keep it up to date.

(5) Submit semiannual compliance reports to the Administrator as specified in § 63.5764.

(b) *Compliant Materials Option:*

For each open molding operation complying using the compliant materials option, the facility must demonstrate compliance by performing the steps in paragraphs (b)(1) through (b)(4) of this section.

- (1) Use the methods specified in § 63.5758 to determine the organic HAP content of resins and gel coats.
- (2) Complete the calculations described in § 63.5713 to show that the weighted-average organic content does not exceed the limit specified in Table 2 to this Subpart, listed under 2.2.(C)(27).
- (3) Keep records as specified in (b)(3)(i) through (iv) of this section for each resin and gel coat.
 - (i) Hazardous air pollutant content.
 - (ii) Application method for production resin and tooling resin.
 - (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 HAP organic content, as described in § 63.5713.

(4) Submit semiannual compliance reports to the Administrator, as described in § 63.5719.

(c) *Add-on Controls Option:* If the facility is using an add-on control device, they must demonstrate compliance by performing the steps required in this Subpart.

IMPLEMENTATION PLAN FOR OPEN MOLDING OPERATIONS [40 CFR § 63.5707]

7. (a) The facility must prepare an implementation plan for all open molding operations for which they comply using the emissions averaging option in § 63.5704(a).
- (b) The implementation plan must describe the steps that the facility will take to bring the open molding operations covered by this subpart into compliance. For each operation included in the emissions average, the implementations plan must include the elements contained in paragraphs (b)(1) through (3) of this section.
 - (1) A description of each operation included in the average.
 - (2) 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.
 - (3) Calculations showing that the operations covered by the plan will comply with the open molding emission limit specified in § 63.5698.
- (c) The facility must submit the implementation plan to the Administrator with the notification of the compliance status specified in § 63.5761.
- (d) The facility must keep the implementation plan on site and provide it to the Administrator when asked.
- (e) If the facility revises the implementation plan, they must submit the revised plan with their next semiannual compliance report specified in § 63.5764.

HOW TO DEMONSTRATE COMPLIANCE USING EMISSIONS AVERAGING [40 CFR § 63.5710]

8. (a) Compliance using the emissions averaging option is demonstrated on a 12-month rolling average basis and is

determined at the end of every month (12 times per year). The first 12-month rolling average period begins on the compliance date specified in § 63.5695.

- (b) At the end of the twelfth month after the facility's compliance date and at the end of every subsequent month, use equation 1 of this section to demonstrate that the organic HAP emissions from those operations included in the average do not exceed the emission limit in § 63.5698 calculated for the same 12-month period. (Include terms in equation 1 of § 63.5698 and equation 1 of this section for only those operations and materials included in the average.)

$$\text{HAP emissions} = [(PV_R)(M_R) + (PV_{PG})(M_{PG}) + (PV_{CG})(M_{CG}) + (PV_{TR})(M_{TR}) + (PV_{TG})(M_{TG})]$$

(Equation 1)

Where:

HAP emissions = Organic HAP emissions calculated using MACT model point values for each operation included in the average, 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 megagrams.

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.

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

PV_{TR} = Weighted-average MACT model point value for tooling resin used in the past 12 months, in megagrams.

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 megagrams.

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

- (c) At the end of every month, use equation 2 of this section to compute the weighted-average MACT model point value for each open molding resin and gel coat operation included in the average.

$$PV_{\text{op}} = \Sigma (M_i)(PV_i) / \Sigma(M_i) \quad \text{(Equation 2)}$$

This is for the sum $i=1$ to $i=n$.

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})

M_i = mass of resin or gel coat i , used within an operation in the past 12 months, in megagrams.

n = number of different open molding resins and gel coats used within the last 12 months.

PV_i = the MACT model point value for resin or gel coat i used in the last 12 months, in kilograms of HAP per megagram of material applied.

- (d) The facility must use the equation in Table 3 of this subpart to calculate the MACT model point value (PV_i) for each resin and gel coat used in each operation in the past 12 months.
- (e) If the organic HAP emissions, as calculated in paragraph (b) of this section are less than the organic HAP limit calculated in § 63.5698(b) for the same 12-month period, then the facility is in compliance with the emission limit in § 63.5698 for those operations and materials included in the average.

HOW TO DEMONSTRATE COMPLIANCE USING COMPLIANT MATERIALS [40 CFR § 63.5713]

9. (a) Compliance using the organic HAP content in Table 2 to this subpart (found below Section 2.2(C)(27)) is based on

a 12-month rolling average that is calculated at the end of every month. The first 12-month rolling average period begins on the compliance date specified in § 63.5695. If the facility is using filled material (production resin or tooling resin), the facility must comply according to the procedure described in § 63.5714.

- (b) At the end of the twelfth month after the facility's compliance date and at the end of every subsequent month, review the organic HAP contents of the resins and gel coats used in the last 12 months in each operation. If all resins and gel coats used in an operation have organic HAP content no greater than the applicable organic HAP content limits in Table 2 to this subpart (found below Section 2.2.(C)(27), then the facility is in compliance with the emission limit specified in § 63.5698 for that 12-month period for that operation. In addition, the facility does not need to complete the weighted-average organic HAP calculation contained in paragraph (c) of this section for that operation.
- (c) At the end of every month, the facility must use the equation below to calculate the weighted-average organic HAP content for all resins and gel coats used in each operation in the past 12 months.

$$\text{Weighted-average HAP Content (\%)} = \frac{\sum(M_i)(\text{HAP}_i)}{\sum(M_i)}$$

This is for the sum $i=1$ to $i=n$.

Where:

M_i = mass of open molding resin or gel coat i used within an operation in the past 12 months, in megagrams.

n = number of different open molding resins and gel coats used within the last 12 months.

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 § 63.5758 to determine the organic HAP content.

- (d) If the weighted-average organic HAP content does not exceed the applicable organic HAP content limit specified in Table 2 to this subpart (located in this permit under Section 2.2.(C)(27), then the facility is in compliance with the emission limit specified in § 63.5698.

HOW TO DEMONSTRATE COMPLIANCE USING FILLED RESINS [40 CFR § 63.5714]

10. (a) If the facility uses a filled production resin or filled tooling resin, then it must demonstrate compliance for the filled resin material on an as-applied basis using the equation below.

$$PV_F = PV_U \times \frac{(100 - \% \text{ Filler})}{100} \quad \text{(Equation 1)}$$

Where:

PV_F = The as-applied MACT model point value for a filled production resin or tooling resin, 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 3 to this subpart.

$\% \text{ Filler}$ = The weight-percent of filler in the as-applied filled resin system.

n = number of different open molding resins and gel coats used within the last 12 months.

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 § 63.5758 to determine the organic HAP content.

- (b) If the filled resin is used as a production resin and the value of PV_F calculated by equation 1 of this section does not exceed 46 kilograms of organic HAP per megagram of the 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 by equation 1 of this section does not exceed 54 kilograms of organic HAP per megagram of filled resin applied, then the filled resin is in compliance.

- (d) If the facility is including a filled resin in the emissions averaging procedure described in § 63.5710, then use the value of PV_F calculated, using the equation 1 of this section for the value of PV_i in equation 2 of § 63.5710.

HOW TO DEMONSTRATE COMPLIANCE USING AN ADD-ON CONTROL DEVICE [40 CFR §63.5715, § 63.5716, § 63.5719, § 63.5722, and § 63.5725]

11. (a) If the facility decides to implement an add-on control device, use the procedures in § 63.5715, § 63.5716, § 63.5719, § 63.5722, and § 63.5725, to demonstrate compliance.

STANDARDS FOR CLOSED MOLDING RESIN OPERATIONS [40 CFR §63.5728]

12. (a) If the resin application operation meets the definition of closed molding specified in § 63.5779, there is no requirement to reduce emissions from that operation.
- (b) If the resin application operation does not meet the definition of closed molding, then the facility must comply with the limit for open molding resin operations specified in § 63.5698.
- (c) Open molding resin operations that precede a closed molding operation must comply with the limit for open molding resin and gel coat operations specified in § 63.5698. Examples of these operations include gel coat or skin coat layers that are applied before lamination is performed by closed molding.

STANDARDS FOR RESIN AND GEL COAT MIXING OPERATIONS [40 CFR §63.5731]

13. (a) All resin and gel coat mixing containers with a capacity equal to or greater than 208 liters, including those used for on-site mixing of putties and polyputties, must have a cover with no visible gaps in place at all times.
- (b) The work practice standards in paragraph (a) of this section does not apply when material is being manually added to or removed from a container, or when mixing or pumping equipment is being placed in or removed from a container.
- (c) To demonstrate compliance with the work practice standard in paragraph (a) of this section, the Permittee must visually inspect all mixing containers subject to this standard at least once per month. The inspection should insure that all containers have covers with no visible gaps between the cover and the container, or between the cover and equipment passing through the cover.
- (d) The facility must keep records of which mixing containers are subject to this standard and the results of the inspections, including a description of any repairs or corrective actions taken.

STANDARDS FOR RESIN AND GEL COAT APPLICATION EQUIPMENT CLEANING OPERATIONS [40 CFR §63.5734]

14. (a) For routine flushing of resin and gel coat application equipment (e.g., spray guns, flowcoaters, brushes, rollers, and squeegees), the facility must 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 applies.
- (b) The facility must 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, 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.

DEMONSTRATING COMPLIANCE WITH THE RESIN AND GEL COAT APPLICATION EQUIPMENT CLEANING STANDARDS [40 CFR §63.5737]

15. (a) Determine and record the organic HAP content of the cleaning solvents subject to the standards specified in §63.5734 using the methods specified in §63.5758.
- (b) If the facility recycles cleaning solvents 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 §63.5758 for demonstrating compliance with the organic HAP content limits.
- (c) At least once per month, the Permittee must visually inspect any containers holding organic HAP-containing solvents used for removing cured resin and gel coat to ensure that the containers have covers with no visible gaps. The Permittee must keep records of the monthly inspections and any repairs made to the covers.

EMISSION LIMIT FOR CARPET AND FABRIC ADHESIVE OPERATIONS [40 CFR §63.5740]

16. (a) You must use carpet and fabric adhesives that contain no more than 5 percent organic HAP by weight.
- (b) To demonstrate compliance with the emission limit in paragraph (a) of this section, you must determine and record the organic HAP content of the carpet and fabric adhesive using the methods of §63.5758.

STANDARDS FOR ALUMINUM RECREATIONAL BOAT SURFACE COATING OPERATIONS [40 CFR §63.5743]

17. (a) For aluminum wipedown solvent operations and aluminum surface coating operations, you must comply with either the separate emission limits in paragraphs (a)(1) and (2) of this section, or the combined emission limit in paragraph (a)(3) of this section. Compliance with these limitations is based on a 12-month rolling average that is calculated at the end of every month.
 - (1) You must limit emissions from aluminum wipedown solvents to no more than 0.33 kilograms of organic HAP per liter of total coating solids applied from aluminum primers, clear coats, and top coats combined. No limit applies when cleaning surfaces are receiving decals or adhesive graphics.
 - (2) You must limit emissions from aluminum recreational boat surface coatings (including thinners, activators, primers, topcoats, and clear coats) to no more than 1.22 kilograms of organic HAP per liter of total coating solids applied from aluminum primers, clear coats, and top coats combined.
 - (3) You must limit emissions from the combined aluminum surface coatings and aluminum wipedown solvents to no more than 1.55 kilograms of organic HAP per liter of total coating solids applied from aluminum primers, clear coats, and top coats applied.
- (b) You must comply with the work practice standards of (b)(1), (2), (3), or (4) of this section when cleaning aluminum coating spray guns with solvents containing no more than 5 percent organic HAP by weight.
 - (1) Clean spray guns in an enclosed device. Keep the device closed except when you place spray guns in or remove them from service.
 - (2) Disassemble the spray gun and manually clean the components in a vat. Keep the vat closed when you are not using it.
 - (3) Clean spray guns by placing the solvent in the pressure pot and forcing the solvent through the gun. Do not use atomizing air during this procedure. Direct the used cleaning solvent from the spray gun into a container that you keep closed when you are not using it.
 - (4) An alternative gun cleaning process or technology approved by the Administrator according to the procedures in §63.6(g).

HOW TO DEMONSTRATE COMPLIANCE WITH THE EMISSION LIMITS FOR ALUMINUM WIPEDOWN SOLVENTS AND ALUMINUM COATINGS [40 CFR §63.5746]

18. To demonstrate compliance with the emission limits for aluminum wipedown solvents and aluminum coatings specified in §63.5743(a), you must meet the requirements of paragraphs (a) through (f) of this section.
- (a) Determine and record the organic HAP content (kilograms of organic HAP per kilograms of material, or weight fraction) of each aluminum wipedown solvent and aluminum coating (including primers, topcoats, clear coats, thinners, and activators). Use the methods in §63.5758 to determine the organic HAP content
 - (b) Use the methods in §63.5758(b) to determine the solids content (liters of solids per liter of coating, or volume fraction) of each aluminum surface coating, including primers, topcoats, and clear coats. Keep records of the solids content.
 - (c) Use the methods in §63.5758(c) to determine the density of each aluminum surface coating and wipedown solvent.
 - (d) Compliance is based on a 12-month rolling average calculated at the end of every month. The first 12-month rolling average period begins on the compliance date specified in §63.5695.
 - (e) At the end of the twelfth month after your compliance date and at the end of every subsequent month, use the procedures in §63.5749 to calculate the organic HAP from aluminum wipedown solvents per liter of coating solids, and use the procedures in §63.5752 to calculate the kilograms of organic HAP from aluminum coatings per liter of coating solids.
 - (f) Keep records of the calculations used to demonstrate compliance.
 - (g) You may apply to the Administrator for permission to use an alternative means (such as an add-on control system) for limiting emissions from aluminum wipedown solvent and coating operations and demonstrating compliance with the emission limits in §63.5743(a) if all the conditions in §63.5746(g) are met.

HOW TO CALCULATE THE ORGANIC HAP CONTENT OF ALUMINUM WIPEDOWN SOLVENTS [40 CFR §63.5749]

19. (a) Use equation 1 in this section to calculate the weighted-average organic HAP content of aluminum wipedown solvents used in the last 12 months.

$$\text{HAP}_{\text{WD}} = \frac{\sum (\text{Vol}_j)(\text{D}_j)(\text{W}_j)}{\sum (\text{Vol}_i)(\text{Solids}_i)}$$

This is for the sums $j = 1$ to $j=n$ and from $i = 1$ to $i = m$.

Where:

HAP_{WD} = weighted-average organic HAP content of aluminum wipedown solvents, in kilograms of HAP per liter of total coating solids from aluminum primers, top coats, and clear coats.

n = number of different wipedown solvents used within the last 12 months.

Vol_j = volume of aluminum wipedown solvent *j* used in the last 12 months, liters.

D_j = density of aluminum wipedown solvent *j*, kilograms per liter.

W_j = mass fraction of organic HAP in aluminum wipedown solvent, *j*.

m = number of different aluminum surface coatings (primers, topcoats, and clear coats) used within the last 12 months.

Vol_i = volume of aluminum primer, top coat, or clear coat, *i*, used in the past 12 months, liters.

Solids_i = solids content aluminum primer, top coat, or clear coat *i*, liter solids per liter of coating.

- (b) Compliance is based on a 12-month rolling average. If the weighted-average organic HAP content does not exceed 0.33 kilograms of organic HAP per liter of total coating solids, then the facility is in compliance with the emission limit in §63.5743(a)(1).

HOW TO CALCULATE THE ORGANIC HAP CONTENT OF ALUMINUM RECREATIONAL BOAT SURFACE COATINGS. [40 CFR §63.5752]

20. (a) Use equation 1 in this section to calculate the weighted-average organic HAP content for all aluminum surface coatings used in the past 12 months.

$$\text{HAP}_{\text{SC}} = [\Sigma(\text{Vol}_i)(\text{D}_i)(\text{W}_i) + \Sigma(\text{Vol}_k)(\text{D}_k)(\text{W}_k)] / \Sigma(\text{Vol}_i)(\text{Solids}_i) \quad (\text{Equation 1})$$

This is for the sums $i = 1$ to $i = m$ and from $k=1$ to $k=p$.

Where:

HAP_{SC} = weighted-average organic HAP content for all aluminum coating materials, in kilograms of HAP per liter of coating solids.

m = number of different aluminum primers, topcoats, or clear coats i used within the last 12 months.

Vol_i = volume of aluminum primer, top coat, or clear coat, i , used in the past 12 months, liters.

W_i = mass fraction of organic HAP in coating, i , kilograms of organic HAP per kilogram of coating.

D_i = density of coating i , in kilograms per liter.

p = number of different thinners, activators, and other coating additives used within the past 12 months.

Vol_k = volume of the thinner, activator, or additive, k , used in the past 12 months, liters.

D_k = density of thinner, activator, or additive k , in kilograms per liter.

W_k = mass fraction of organic HAP in thinner, activator, or additive, k , in kilograms of organic HAP per kilogram of thinner or activator.

Solids_i = solids content aluminum primer, top coat, or clear coat i , in liter solids per liter of coating.

- (b) Compliance is based on a 12-month rolling average. If the weighted-average organic HAP content does not exceed 1.22 kilograms of organic HAP per liter of total coating solids, then the facility is in compliance with the emission limit in §63.5743(a)(2).

HOW TO CALCULATE THE COMBINED ORGANIC HAP CONTENT OF ALUMINUM WIPEDOWN SOLVENTS AND ALUMINUM RECREATIONAL SURFACE COATINGS. [40 CFR §63.5753]

21. (a) Use equation 1 in this section to calculate the combined weighted-average organic HAP content of aluminum wipedown solvents and aluminum recreational boat surface coatings.

$$\text{HAP}_{\text{Combined}} = \text{HAP}_{\text{WD}} + \text{HAP}_{\text{SC}} \quad (\text{Equation 1})$$

Where:

HAP_{WD} = weighted-average organic HAP content for all aluminum wipedown solvents used in the past 12 months, calculated using Equation 1 of §63.5749.

HAP_{SC} = weighted-average organic HAP content of aluminum recreational boat surface coatings used in the past 12 months, using equation 1 of §63.5752.

- (b) Compliance is based on a 12-month rolling average. If the weighted-average organic HAP content does not exceed 1.55 kilograms of organic HAP per liter of total coating solids, then the facility is in compliance with the emission limit in §63.5743(a)(3).

HOW TO DEMONSTRATE COMPLIANCE WITH THE ALUMINUM RECREATIONAL BOAT SURFACE COATING SPRAY GUN CLEANING WORK PRACTICE STANDARDS. [40 CFR §63.5755]

22. The facility must demonstrate compliance with the aluminum coating spray gun cleaning work practice standards by meeting the requirements of paragraphs (a) or (b) of this section.
- (a) Demonstrate that solvents used to clean the aluminum coating spray guns contain no more than 5 percent organic HAP by weight by determining organic HAP content with the methods in §63.5758. Keep records of the organic HAP content determination.
 - (b) For solvents containing no more than 5 percent organic HAP by weight, comply with the requirement in paragraph (b)(1) or (b)(2) and paragraph (b)(3) of this section.
 - (1) If you are using an enclosed spray gun cleaner, visually inspect it at least once per month to ensure that the covers are in place and the covers have no visible gaps when the cleaners are not in use, and that there are no leaks from hoses or fittings.
 - (2) If you are manually cleaning the gun or spraying solvent into a container that can be closed, visually inspect all solvent containers at least once per month to ensure that the containers have covers and that the covers fit with no visible gaps.
 - (3) Keep records of the monthly inspections and any repairs that are made to the enclosed gun cleaners or the covers.

METHOD FOR DETERMINING HAZARDOUS AIR POLLUTANT CONTENT [40 CFR §63.5758]

23. For the purpose of this permit condition, the methods and procedures contained in 40 CFR § 63.5758 shall apply.

NOTIFICATIONS, REPORTS, AND RECORDS [40 CFR §63.5761, §63.5764, §63.5767]

WHAT NOTIFICATIONS MUST BE SUBMITTED AND WHEN [40 CFR §63.5761]

24. (a) You must submit all of the notifications in Table 7 of this subpart that apply to you by the dates in the table. The notifications are described more fully in 40 CFR part 63, subpart A, General Provisions, referenced in Table 8 to this subpart.
- (b) If you change any information submitted in any notification, you must submit the changes in writing to the Administrator within 15 calendar days after the change.

WHAT REPORTS MUST BE SUBMITTED AND WHEN [40 CFR §63.5764]

25. (a) You must submit all of the applicable reports specified in paragraphs (b) through (e) of this section. To the extent possible, you must organize each report according to the operations covered by this subpart and the compliance procedures followed for this operation.
- (b) Unless the Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit reports by the dates in paragraphs (b)(1) through (b)(5) of this section.
 - (1) If your source is not controlled by an add-on control device (i.e., you are complying with organic HAP content limits, application equipment requirements, or MACT model point value averaging provisions), the first compliance report must cover the period beginning 12 months after the compliance date specified for your source in §63.5695 and ending on June 30 or December 31, whichever date is the first date following the end of the first 12-month period after the compliance date that is specified for your source in §63.5695. If your source is controlled by an add-on control device, the first compliance report must cover the period beginning on the compliance date specified for your source in §63.5695 and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for your source in §63.5695.
 - (2) The first compliance report must be postmarked or delivered no later than 60 calendar days after the end of the compliance reporting period specified in paragraph (b)(1) of this section.

- (3) Each subsequent compliance report must cover the applicable semiannual reporting period from January 1 through June 30 or from July 1 through December 31.
 - (4) Each subsequent compliance report must be postmarked or delivered no later than 60 calendar days after the end of the semiannual reporting period.
 - (5) For each affected source that is subject to the permitting regulations pursuant to 40 CFR part 70 or 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates in paragraphs (b)(1) through (b)(4) of this section.
- (c) The compliance report must include information specified in paragraphs (c)(1) through (7) of this section.
- (1) Company name and address.
 - (2) A statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the report.
 - (3) The date of the report and the beginning and ending dates of the reporting period.
 - (4) A description of any changes in the manufacturing process since the last compliance report.
 - (5) 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 you are complying. The statement or table must also show the actual weighted-average organic HAP content or 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.
 - (6) If you were in compliance with the emission limits and work practice standards during the reporting period, you must include a statement to that effect.
 - (7) If you deviated from an emission limit or work practice standard during the reporting period, you must also include the information listed in paragraphs (c)(7)(i) through (c)(7)(iv) of this section in the semiannual compliance report.
 - (i) A description of the operation involved in the deviation.
 - (ii) The quantity, organic HAP content, and application method (if relevant) of the materials involved in the deviation.
 - (iii) A description of any corrective action you took to minimize the deviations and actions taken to prevent it from happening again.
 - (iv) A statement of whether or not your facility was in compliance for the 12-month averaging period that ended at the end of the reporting period.
- (d) If your facility has an add-on control device, you must submit semiannual compliance reports and quarterly excess emission reports as specified in §63.10(e). The contents of the reports are specified in §63.10(e).
- (e) If your facility has an add-on control device, you must complete a startup, shutdown, and malfunction plan as specified in §63.6(e), and you must submit startup, shutdown, and malfunction reports as specified in §63.10(e)(5).

WHAT RECORDS MUST I KEEP? [40 CFR §63.5767]

26. You must keep the records specified in paragraphs (a) through (d) of this section in addition to records specified in individual sections of this subpart.
- (a) You must keep a copy of each notification and report that you submitted to comply with this subpart.
 - (b) You must keep all documentation supporting any notification or report that you submitted.
 - (c) If your facility not controlled by an add-on control device (i.e., you are complying with the organic HAP content limits, application equipment requirements, or MACT model point value averaging provisions), you must keep the records specified in paragraphs (c)(1) through (c)(3) of this section.
 - (1) The total amount 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, you must also record the amounts of each applied by atomized and nonatomized methods.
 - (2) The total amount of each aluminum coating used per month (including primers, top coats, thinners, and

- activators), and the weighed-average organic HAP content as determined in §63.5752.
- (3) The total amount of each aluminum wipedown solvent used per month and the weighted-average organic HAP content as determined in §63.5749.
 - (d) If your facility has add-on control device, you must keep the records specified in §63.10(b) relative to control device startup, shutdown, and malfunction event; control device performance tests; and continuous monitoring system performance evaluations.

IN WHAT FORM AND FOR HOW LONG MUST I KEEP RECORDS? [40 CFR §63.5770]

- 27. (a) Your records must be readily available and in a form so they can be easily inspected and reviewed.
- (b) You must keep each report for 5 years following the date that each record is generated.
- (c) You must keep each record on site for at least 2 years after the date that each record is generated. You can keep the records offsite for the remaining 3 years.
- (d) You can keep the records on paper or an alternative media, such as microfilm, computer, computer disks, magnetic tapes, or microfiche.

SUMMARY OF EMISSION LIMITS

Table 2 to Subpart VVVV - Alternative Organic HAP Requirements for Open Molding Resin and Gel Coat Operations

As specified in §63.5701(b), §63.5704(b)(2), §63.5713(a), (b), and (d), you must comply with the requirements in the following table.

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

Table 3 to Subpart VVVV -MACT Model Point Value Formulas for Open Molding Operations

As specified in §63.5710(d) and §63.5714(a), you must calculate point values using the formulas in the following table.

For this operation -	And this application method-	Use this formula to calculate the MACT Model plant value for each resin and gel coat-
1. Production resin, tooling resin	a. Atomized	$0.014 \times (\text{Resin HAP}\%)^{2.425}$
	b. Atomized, plus vacuum bagging with rollout	$0.01185 \times (\text{Resin HAP}\%)^{2.425}$
	c. Atomized, plus vacuum bagging without rollout	$0.00945 \times (\text{Resin HAP}\%)^{2.425}$
	d. Nonatomized	$0.014 \times (\text{Resin HAP}\%)^{2.275}$

	e. Nonatomized, plus vacuum bagging with rollout	$0.0110 \times (\text{Resin HAP}\%)^{2.275}$
	f. Nonatomized, plus vacuum bagging without rollout	$0.0076 \times (\text{Resin HAP}\%)^{2.275}$
2. Pigmented gel coat, clear gel coat, tooling gel coat	All methods	$0.445 \times (\text{Gel coat HAP}\%)^{1.675}$

2.3- Other Applicable Requirements

The resin storage vessel (500 gallons capacity, ID No. ES-RST-1) is subject to 15A NCAC 2Q .0508(g): "Prevention of Accidental Releases - Section 112 (r) of the Clean Air Act" and shall comply with all applicable requirements in accordance with 40 CFR Part 68 [15A NCAC 2Q .0508(g)]. The Permittee shall submit a Risk Management Plan to EPA pursuant to 40 CFR § 68.150, as specified in 40 CFR §68.10.

SECTION 3 - GENERAL CONDITIONS

This section describes terms and conditions applicable to this Title V facility. All references to the "permit" in this section apply only to Part I of the permit.

A. General Provisions [NCGS 143-215 and 15A NCAC 2Q .0508(aa)]

1. Terms not otherwise defined in this permit shall have the meaning assigned to such terms as defined in 15A NCAC 2D and 2Q.
2. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are binding and enforceable pursuant to NCGS 143-215.114A and 143-215.114B, including assessment of civil and/or criminal penalties. Any unauthorized deviation from the conditions of this permit may constitute grounds for revocation and/or enforcement action by the DAQ.
3. This permit is not a waiver of or approval of any other Department permits that may be required for other aspects of the facility which are not addressed in this permit.
4. This permit does not relieve the Permittee from liability for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted facility, or from penalties therefore, nor does it allow the Permittee to cause pollution in contravention of state laws or rules, unless specifically authorized by an order from the North Carolina Environmental Management Commission.
5. Except as identified as state-only requirements in this permit, all terms and conditions contained herein shall be enforceable by the DAQ, the EPA, and citizens of the United States as defined in the Federal Clean Air Act.
6. Any stationary source of air pollution shall not be operated, maintained, or modified without the appropriate and valid permits issued by the DAQ, unless the source is exempted by rule. The DAQ may issue a permit only after it receives reasonable assurance that the installation will not cause air pollution in violation of any of the applicable requirements. A permitted installation may only be operated, maintained, constructed, expanded, or modified in a manner that is consistent with the terms of this permit.

B. Permit Availability [15A NCAC 2Q .0507(k) and .0508(aa)]

The Permittee shall have available at the facility a copy of this permit and shall retain for the duration of the permit term one complete copy of the application and any information submitted in support of the application package. The permit and application shall be made available to an authorized representative of Department of Environment and Natural Resources upon request.

C. Severability Clause [15A NCAC 2Q .0508(i)]

In the event of an administrative challenge to a final and binding permit in which a condition is held to be invalid, the provisions in this permit are severable so that all requirements contained in the permit, except those held to be invalid,

shall remain valid and must be complied with.

D. **Submissions** [15A NCAC 2Q .0507(c)]

Except as otherwise specified herein, two copies of all documents, reports, test data, monitoring data, notifications, request for renewal, and any other information required by this permit shall be submitted to the appropriate Regional Office. Refer to the Regional Office address on the cover page of this permit. For continuous emissions monitoring systems (CEMS) reports, continuous opacity monitoring systems (COMS) reports, quality assurance (QA)/quality control (QC) reports, acid rain CEM certification reports, and NOx budget CEM certification reports, one copy shall be sent to the appropriate Regional Office and one copy shall be sent to:

Supervisor, Stationary Source Compliance
North Carolina Division of Air Quality
1641 Mail Service Center
Raleigh, NC 27699-1641

E. **Duty to Comply** [15A NCAC 2Q .0508(j)]

The Permittee shall comply with all terms, conditions, requirements, limitations and restrictions set forth in this permit. Noncompliance with any permit condition except conditions identified as state-only requirements constitutes a violation of the Federal Clean Air Act. Noncompliance with any permit condition is grounds for enforcement action, for permit termination, revocation and reissuance, or modification, or for denial of a permit renewal application.

F. **Circumvention** - STATE ENFORCEABLE ONLY

The facility shall be properly operated and maintained at all times in a manner that will effect an overall reduction in air pollution. Unless otherwise specified by this permit, no emission source may be operated without the concurrent operation of its associated air pollution control device(s) and appurtenances.

G. **Permit Modifications**

1. Administrative Permit Amendments [15A NCAC 2Q .0514]
The Permittee shall submit an application for an administrative permit amendment in accordance with 15A NCAC 2Q .0514.
2. Transfer of Ownership or Operation [15A NCAC 2Q .0524]
The Permittee shall submit an application for an ownership change in accordance with 15A NCAC 2Q .0524.
3. Minor Permit Modifications [15A NCAC 2Q .0515]
The Permittee shall submit an application for a minor permit modification in accordance with 15A NCAC 2Q .0515.
4. Significant Permit Modifications [15A NCAC 2Q .0516]
The Permittee shall submit an application for a significant permit modification in accordance with 15A NCAC 2Q .0516.
5. Reopening for Cause [15A NCAC 2Q .0517]
The Permittee shall submit an application for reopening for cause in accordance with 15A NCAC 2Q .0517.

H. **Changes Not Requiring Permit Modifications**

1. Section 502(b)(10) Changes [15A NCAC 2Q .0523(a)]
 - a. "Section 502(b)(10) changes" means changes that contravene an express permit term or condition. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements.
 - b. The Permittee may make Section 502(b)(10) changes without having the permit revised if:
 - i. the changes are not a modification under Title I of the Federal Clean Air Act;
 - ii. the changes do not cause the allowable emissions under the permit to be exceeded;
 - iii. the Permittee notifies the Director and EPA with written notification at least seven days before the change is made; and
 - iv. the Permittee shall attach the notice to the relevant permit.
 - c. The written notification shall include:
 - i. a description of the change;
 - ii. the date on which the change will occur;

- iii. any change in emissions; and
 - iv. any permit term or condition that is no longer applicable as a result of the change.
 - d. Section 502(b)(10) changes shall be made in the permit the next time that the permit is revised or renewed, whichever comes first.
2. Off Permit Changes [15A NCAC 2Q .0523(b)]

The Permittee may make changes in the operation or emissions without revising the permit if:

 - a. the change affects only insignificant activities and the activities remain insignificant after the change; or
 - b. the change is not covered under any applicable requirement.
 3. Emissions Trading [15A NCAC 2Q .0523(c)]

To the extent that emissions trading is allowed under 15A NCAC 2D, including subsequently adopted maximum achievable control technology standards, emissions trading shall be allowed without permit revision pursuant to 15A NCAC 2Q .0523(c).

I.A. Reporting Requirements for Excess Emissions and Permit Deviations

[15A NCAC 2D .0535(f) and 2Q .0508(f)(3)]

“Excess Emissions” - means an emission rate that exceeds any applicable emission limitation or standard allowed by any rule in Sections .0500, .0900, .1200, or .1400 of Subchapter 2D; or by a permit condition; or that exceeds an emission limit established in a permit issued under 15A NCAC 2Q .0700. (*Note: Definitions of excess emissions under 2D .1110 and 2D .1111 shall apply where defined by rule.*)

“Deviations” - for the purposes of notification under this section, any action or condition not in accordance with the terms and conditions of this permit including those attributable to upset conditions, including excess emissions as defined above.

Excess Emissions

1. If a source is required to report excess emissions under NSPS (15A NCAC 2D .0524), NESHAPS (15A NCAC 2D .1110 or .1111), or the operating permit provides for periodic (*e.g.*, quarterly) reporting of excess emissions, reporting shall be performed as prescribed therein.
2. If the source is not subject to NSPS (15A NCAC 2D .0524), NESHAPS (15A NCAC 2D .1110 or .1111), or these rules do NOT define "excess emissions," the Permittee shall report excess emissions in accordance with 15A NCAC 2D .0535 as follows:
 - a. Pursuant to 15A NCAC 2D .0535, if excess emissions last for more than four hours resulting from a malfunction, a breakdown of process or control equipment, or any other abnormal condition, the owner or operator shall:
 - i. notify the Regional Supervisor or Director of any such occurrence by 9:00 a.m. Eastern Time of the Division's next business day of becoming aware of the occurrence and provide:
 - name and location of the facility;
 - nature and cause of the malfunction or breakdown;
 - time when the malfunction or breakdown is first observed;
 - expected duration; and
 - estimated rate of emissions;
 - ii. notify the Regional Supervisor or Director immediately when corrective measures have been accomplished; and
 - iii. submit, if requested, to the Regional Supervisor or Director within 15 days after the request a written report as described in 15A NCAC 2D .0535(f)(3).

Other Notification Requirements

3. Pursuant to 15A NCAC 2Q .0508(f)(3), the Permittee shall report deviations or excess emissions lasting for less than or equal to four hours from permit requirements (terms and conditions) as follows:
 - a. Notify the Regional Supervisor or Director of all other deviations from permit requirements not covered under 15A NCAC 2D .0535 on the next business day after becoming aware of the deviation. A written report shall be submitted within two business days to the Regional Supervisor and shall include the probable cause of such deviation and any corrective actions or preventative actions taken. All reports of deviations from permit requirements shall be certified by a responsible official.

I.B. Other Requirements under 15A NCAC 2D .0535

The Permittee shall comply with all other applicable requirements contained in 15A NCAC 2D .0535, including 15A NCAC 2D .0535(c) as follows:

1. Any excess emissions that do not occur during start-up and shut-down shall be considered a violation of the

appropriate rule unless the owner or operator of the sources demonstrates to the Director, that the excess emissions are a result of a malfunction. The Director shall consider, along with any other pertinent information, the criteria contained in 15A NCAC 2D .0535(c)(1) through (7).

2. 15A NCAC 2D .0535(g) Excess emissions during start-up and shut-down shall be considered a violation of the appropriate rule if the owner or operator cannot demonstrate that excess emissions are unavoidable..

J. **Emergency Provisions** [40 CFR, 70.6 (g)]

The Permittee shall be subject to the following provisions with respect to emergencies:

1. An emergency means any situation arising from sudden and reasonably unforeseeable events beyond the control of the facility, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the facility 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 preventive maintenance, careless or improper operation, or operator error.
2. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in 3. below are met.
3. The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that include information as follows:
 - a. an emergency occurred and the Permittee can identify the cause(s) of the emergency;
 - b. the permitted facility was at the time being properly operated;
 - c. during the period of the emergency the Permittee took all reasonable steps to minimize levels of emissions that exceeded the standards or other requirements in the permit; and
 - d. the Permittee submitted notice of the emergency to the DAQ within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
4. In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
5. This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein.

K. **Permit Renewal** [15A NCAC 2Q .0513(b)]

This permit is issued for a fixed term of five years for facilities subject to Title IV requirements and for a term not to exceed five years in the case of all other facilities. This permit shall expire at the end of its term. Permit expiration terminates the facility's right to operate unless a complete renewal application is submitted at least nine months before the date of permit expiration. If the Permittee or applicant has complied with 15A NCAC 2Q .0512(b)(1), this permit shall not expire until the renewal permit has been issued or denied. All terms and conditions of this permit shall remain in effect until the renewal permit has been issued or denied.

L. **Need to Halt or Reduce Activity Not a Defense** [15A NCAC 2Q.0508(k)]

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

M. **Duty to Provide Information (submittal of information)** [15A NCAC 2Q.0508(n)]

1. The Permittee shall furnish to the DAQ, in a timely manner, any reasonable information that the Director may request in **writing** to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit.
2. The Permittee shall furnish the DAQ copies of records required to be kept by the permit when such copies are requested by the Director. For information claimed to be confidential, the Permittee may furnish such records directly to the EPA upon request along with a claim of confidentiality.

N. **Duty to Supplement** [15A NCAC 2Q .0507(f)]

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 DAQ. The Permittee shall also provide additional information as necessary to address any requirement that becomes applicable to the facility after the date a complete permit application was submitted but prior to the release of the draft permit.

O. **Retention of Records** [15A NCAC 2Q .0508(f)]

The Permittee shall retain records of all required monitoring data and supporting information for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring information, and copies of all reports required by the permit. These records shall be maintained in a form suitable and readily available for expeditious inspection and review. Any records required by the conditions of this permit shall be kept on site and made available to DAQ personnel for inspection upon request.

P. **Compliance Certification** [15A NCAC 2Q .0508(t)]

The Permittee shall submit to the DAQ and the EPA (Air and EPCRA Enforcement Branch, EPA, Region 4, 61 Forsyth Street, Atlanta, GA 30303) postmarked on or before **March 1** a compliance certification (for the preceding calendar year) by a responsible official with all federally-enforceable terms and conditions in the permit, including emissions limitations, standards, or work practices. The compliance certification shall comply with additional requirements as may be specified under Sections 114(a)(3) or 504(b) of the Federal Clean Air Act. The compliance certification shall specify:

1. the identification of each term or condition of the permit that is the basis of the certification;
2. the compliance status (with the terms and conditions of the permit for the period covered by the certification);
3. whether compliance was continuous or intermittent; and
4. the method(s) used for determining the compliance status of the source during the certification period.

Q. **Certification by Responsible Official** [15A NCAC 2Q .0520]

A responsible official shall certify the truth, accuracy, and completeness of any application form, report, or compliance certification required by this permit. All certifications shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

R. **Permit Shield for Applicable Requirements** [15A NCAC 2Q .0512]

1. Compliance with the terms and conditions of this permit shall be deemed compliance with applicable requirements, where such applicable requirements are included and specifically identified in the permit as of the date of permit issuance.
2. A permit shield shall not alter or affect:
 - a. the power of the Commission, Secretary of the Department, or Governor under NCGS 143-215.3(a)(12), or EPA under Section 303 of the Federal Clean Air Act;
 - b. the liability of an owner or operator of a facility for any violation of applicable requirements prior to the effective date of the permit or at the time of permit issuance;
 - c. the applicable requirements under Title IV; or
 - d. the ability of the Director or the EPA under Section 114 of the Federal Clean Air Act to obtain information to determine compliance of the facility with its permit.
3. A permit shield does not apply to any change made at a facility that does not require a permit or permit revision made under 15A NCAC 2Q .0523.
4. A permit shield does not extend to minor permit modifications made under 15A NCAC 2Q .0515.

S. **Termination, Modification, and Revocation of the Permit** [15A NCAC 2Q .0519]

The Director may terminate, modify, or revoke and reissue this permit if:

1. the information contained in the application or presented in support thereof is determined to be incorrect;
2. the conditions under which the permit or permit renewal was granted have changed;
3. violations of conditions contained in the permit have occurred;
4. the EPA requests that the permit be revoked under 40 CFR 70.7(g) or 70.8(d); or
5. the Director finds that termination, modification, or revocation and reissuance of the permit is necessary to carry out the purpose of NCGS Chapter 143, Article 21B.

T. **Insignificant Activities** [15A NCAC 2Q .0503]

Because an emission source or activity is insignificant does not mean that the emission source or activity is exempted from any applicable requirement or that the owner or operator of the source is exempted from demonstrating compliance with any applicable requirement. The Permittee shall have available at the facility at all times and made available to an authorized representative upon request, documentation, including calculations, if necessary, to demonstrate that an

emission source or activity is insignificant.

U. **Property Rights** [15A NCAC 2Q .0508(m)]

This permit does not convey any property rights in either real or personal property or any exclusive privileges.

V. **Inspection and Entry** [15A NCAC 2Q .0508(r) and NCGS 143-215.3(a)(2)]

1. Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow the DAQ, or an authorized representative, to perform the following:
 - a. enter the Permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records are kept under the conditions of the permit;
 - b. have access to and copy, at reasonable times, any records that are required to be kept under the conditions of the permit;
 - c. inspect at reasonable times and using reasonable safety practices any source, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
 - d. sample or monitor substances or parameters, using reasonable safety practices, for the purpose of assuring compliance with the permit or applicable requirements at reasonable times.

Nothing in this condition shall limit the ability of the EPA to inspect or enter the premises of the Permittee under Section 114 or other provisions of the Federal Clean Air Act.

2. No person shall refuse entry or access to any authorized representative of the DAQ who requests entry for purposes of inspection, and who presents appropriate credentials, nor shall any person 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.

W. **Annual Fee Payment** [15A NCAC 2Q .0508(o)]

1. The Permittee shall pay all fees in accordance with 15A NCAC 2Q .0200.
2. Payment of fees may be by check or money order made payable to the N.C. Department of Environment and Natural Resources. Annual permit fee payments shall refer to the permit number.
3. If, within 30 days after being billed, the Permittee fails to pay an annual fee, the Director may initiate action to terminate the permit under 15A NCAC 2Q .0519.

X. **Annual Emission Inventory Requirements** [15A NCAC 2Q .0207]

The Permittee shall report by **June 30 of each year** the actual emissions of each air pollutant listed in 15A NCAC 2Q .0207(a) from each emission source within the facility during the previous calendar year. The report shall be in or on such form as may be established by the Director. The accuracy of the report shall be certified by a responsible official of the facility.

Y. **Confidential Information** [15A NCAC 2Q .0107 and 2Q .0508(n)]

Whenever the Permittee submits information under a claim of confidentiality pursuant to 15A NCAC 2Q .0107, the Permittee may also submit a copy of all such information and claim directly to the EPA upon request. All requests for confidentiality must be in accordance with 15A NCAC 2Q .0107.

Z. **Construction and Operation Permits** [15A NCAC 2Q .0100 and .0300]

A construction and operating permit shall be obtained by the Permittee for any proposed new or modified facility or emission source which is not exempted from having a permit prior to the beginning of construction or modification, in accordance with all applicable provisions of 15A NCAC 2Q .0100 and .0300.

AA. **Standard Application Form and Required Information** [15A NCAC 2Q .0505 and .0507]

The Permittee shall submit applications and required information in accordance with the provisions of 15A NCAC 2Q .0505 and .0507.

BB. **Financial Responsibility and Compliance History** [15A NCAC 2Q .0507(d)(3)]

The DAQ may require an applicant to submit a statement of financial qualifications and/or a statement of substantial compliance history.

CC. **Refrigerant Requirements (Stratospheric Ozone and Climate Protection)** [15A NCAC 2Q .0501(e)]

1. If the Permittee has appliances or refrigeration equipment, including air conditioning equipment, which use Class I or II ozone-depleting substances such as chlorofluorocarbons and hydrochlorofluorocarbons listed as refrigerants in 40 CFR Part 82 Subpart A Appendices A and B, the Permittee shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82 Subpart F.
2. The Permittee shall not knowingly vent or otherwise release any Class I or II substance into the environment during the repair, servicing, maintenance, or disposal of any such device except as provided in 40 CFR Part 82 Subpart F.
3. The Permittee shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the EPA or its designee as required.

DD. Prevention of Accidental Releases - Section 112(r) [15A NCAC 2Q .0508(g)]

If the Permittee is required to develop and register a Risk Management Plan with EPA pursuant to Section 112(r) of the Clean Air Act, then the Permittee is required to register this plan in accordance with 40 CFR Part 68.

**EE. Prevention of Accidental Releases General Duty Clause - Section 112(r)(1) -
FEDERALLY-ENFORCEABLE ONLY**

Although a risk management plan may not be required, if the Permittee produces, processes, handles, or stores any amount of a listed hazardous substance, the Permittee has a general duty to take such steps as are necessary to prevent the accidental release of such substance and to minimize the consequences of any release.

FF. Title IV Allowances [15A NCAC 2Q .0508(h)]

This permit does not limit the number of Title IV allowances held by the Permittee, but the Permittee may not use allowances as a defense to noncompliance with any other applicable requirement. The Permittee's emissions may not exceed any allowances that the facility lawfully holds under Title IV of the Federal Clean Air Act.

GG. Air Pollution Emergency Episode [15A NCAC 2D .0300]

Should the Director of the DAQ declare an Air Pollution Emergency Episode, the Permittee will be required to operate in accordance with the Permittee's previously approved Emission Reduction Plan or, in the absence of an approved plan, with the appropriate requirements specified in 15A NCAC 2D .0300.

HH. Registration of Air Pollution Sources [15A NCAC 2D .0200]

The Director of the DAQ may require the Permittee to register a source of air pollution. If the Permittee is required to register a source of air pollution, this registration and required information will be in accordance with 15A NCAC 2D .0202(b).

II. Ambient Air Quality Standards [15A NCAC 2D .0501(e)]

In addition to any control or manner of operation necessary to meet emission standards specified in this permit, any source of air pollution shall be operated with such control or in such manner that the source shall not cause the ambient air quality standards in 15A NCAC 2D .0400 to be exceeded at any point beyond the premises on which the source is located. When controls more stringent than named in the applicable emission standards in this permit are required to prevent violation of the ambient air quality standards or are required to create an offset, the permit shall contain a condition requiring these controls.

JJ. General Emissions Testing and Reporting Requirements [15A NCAC 2Q .0508(aa)]

If emissions testing is required by this permit or the DAQ or if the Permittee submits emissions testing to the DAQ in support of a permit application, the Permittee shall perform such testing in accordance with the appropriate EPA reference method(s) as approved by the DAQ and follow the procedures outlined below. The Permittee must request **in writing** and receive approval from the DAQ for an alternate test method or procedure.

1. The Permittee shall submit a completed Protocol Submittal Form to the DAQ Regional Supervisor at least 45 days prior to the scheduled test date. A copy of the Protocol Submittal Form may be obtained from the Regional Supervisor.
2. The Permittee shall notify the Regional Supervisor of the specific test dates at least 15 days prior to testing in order to afford the DAQ the opportunity to have an observer on-site during the sampling program.
3. During all sampling periods, the Permittee shall operate the emission source(s) under maximum normal operating conditions or alternative operating conditions as deemed appropriate by the Regional Supervisor or his delegate.

4. The Permittee shall submit **two** copies of the test report to the DAQ. The test report shall contain at a minimum the following information:
 - a. a certification of the test results by sampling team leader and facility representative;
 - b. a summary of emissions results and text detailing the objectives of the testing program, the applicable state and federal regulations, and conclusions about the testing and compliance status of the emission source(s);
 - c. a detailed description of the tested emission source(s) and sampling location(s) process flow diagrams, engineering drawings, and sampling location schematics should be included as necessary;
 - d. all field, analytical, and calibration data necessary to verify that the testing was performed as specified in the applicable test methods;
 - e. example calculations for at least one test run using equations in the applicable test methods and all test results including intermediate parameter calculations; and
 - f. documentation of facility operating conditions during all testing periods and an explanation relating these operating conditions to maximum normal operation. If necessary, provide historical process data to verify maximum normal operation.
5. The testing requirement(s) shall be considered satisfied only upon written approval of the test results by the DAQ.
6. The DAQ will review emission test results with respect exclusively to the specified testing objectives as proposed by the Permittee and approved by the DAQ. The use of the test results beyond the stated objectives remains subject to the approval of the DAQ.

KK. Reopening for Cause [15A NCAC 2Q .0517]

1. A permit shall be reopened and revised under the following circumstances:
 - a. additional applicable requirements become applicable to a facility with remaining permit term of three or more years;
 - b. additional requirements (including excess emission requirements) become applicable to a source covered by Title IV;
 - c. the Director or EPA finds that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit; or
 - d. the Director or EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
2. Any permit reopening shall be completed or a revised permit issued within 18 months after the applicable requirement is promulgated. No reopening is required if the effective date of the requirement is after the expiration of the permit term unless the term of the permit was extended pursuant to 15A NCAC 2Q .0513(c).
3. Except for the state-enforceable only portion of the permit, the procedures set out in 15A NCAC 2Q .0507, .0521, or .0522 shall be followed to reissue the permit. If the State-enforceable only portion of the permit is reopened, the procedures in 15A NCAC 2Q .0300 shall be followed. The proceedings shall affect only those parts of the permit for which cause to reopen exists.
4. The Director shall notify the Permittee at least 60 days in advance of the date that the permit is to be reopened, except in cases of imminent threat to public health or safety the notification period may be less than 60 days.
5. Within 90 days, or 180 days if the EPA extends the response period, after receiving notification from the EPA that a permit needs to be terminated, modified, or revoked and reissued, the Director shall send to the EPA a proposed determination of termination, modification, or revocation and reissuance, as appropriate.

LL. Reporting Requirements for Non-Operating Equipment [15A NCAC 2Q .0508(f)]

The Permittee shall maintain a record of operation for permitted equipment noting whenever the equipment is taken from and placed into operation. During operation the monitoring recordkeeping and reporting requirements as prescribed by the permit shall be implemented within the monitoring period.

ATTACHMENT

List of Acronyms

AOS	Alternate Operating Scenario
BACT	Best Available Control Technology
Btu	British thermal unit
CEM	Continuous Emission Monitor
CFR	Code of Federal Regulations
CAA	Clean Air Act
DAQ	Division of Air Quality
DENR	Department of Environment and Natural Resources
EMC	Environmental Management Commission
EPA	Environmental Protection Agency
FR	Federal Register
GACT	Generally Available Control Technology
HAP	Hazardous Air Pollutant
MACT	Maximum Achievable Control Technology
NCAC	North Carolina Administrative Code
NCGS	North Carolina General Statutes
NESHAPS	National Emission Standards for Hazardous Air Pollutants
NO_x	Nitrogen Oxides
NSPS	New Source Performance Standard
OAH	Office of Administrative Hearings
PM	Particulate Matter
PM₁₀	Particulate Matter with Nominal Aerodynamic Diameter of 10 Micrometers or Less
POS	Primary Operating Scenario
PSD	Prevention of Significant Deterioration
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SO₂	Sulfur Dioxide
tpy	Tons Per Year
VOC	Volatile Organic Compound

ATTACHMENT to Permit No. 09416T01 - XX, XX, 2006

Insignificant Activities under 15A NCAC 2Q .0503(8)

Emission Source Description	Insignificant Regulation	Basis for Exemption
One cut-off booth for laminated parts (ID No. IES-COB-1)	15A NCAC 2Q .0503(8)	Potential emissions do not exceed 5 tons per year of criteria pollutants or 1,000 pounds per year of any HAPs.