

AIR QUALITY PERMIT

Permit No.
3714-045-0059-E-01-0

Effective Date
Sep. 8, 2003

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Rules, Chapter 391-3-1, adopted pursuant to and in effect under that Act,

Decostar Industries, Inc.
1 Decoma Drive
Carrollton, GA 30117

is issued a Permit for the following:

The construction and operation of a plastic automotive parts manufacturing facility.

Facility location: 1 Decoma Drive
Carrollton, Georgia 30117 (Carroll County)

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

This Permit may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in application(s) No. 14196 dated December 18, 2003, respectively; any other applications upon which this Permit is based; supporting data entered therein or attached thereto; or any subsequent submittals or supporting data; or for any alterations affecting the emissions from this source.

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **17** pages, which pages are a part of this Permit.

Assistant Director
Environmental Protection Division

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Emission Unit Table

Emission Units		Specific Limitations/Requirements	Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	ID No.	Description
DW	Dewatering Oven	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g)	RTO	Thermal Oxidizer
DO1	Dryoff Oven	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g)	RTO	Thermal Oxidizer
PO	Primer Oven	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g)	RTO	Thermal Oxidizer
BC4	Basecoat Oven	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g)	RTO	Thermal Oxidizer
BO	Clearcoat Bake Oven	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g)	RTO	Thermal Oxidizer
HW1	Hot Water Heater	391-3-1-.02(2)(d) 391-3-1-.02(2)(g) 391-3-1-.02(2)(lll) 40 CFR 60 Subpart A 40 CFR 60 Subpart Dc	na	na
AP1	Adhesion Promoter Booth	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 63 Subpart A 40 CFR 63 Subpart B	SC1, and RTO	Wet Scrubber, and Regenerative Thermal Oxidizer
PC1	Prime Coat Booth	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 63 Subpart A 40 CFR 63 Subpart B	SC2, and RTO	Wet Scrubber, and Regenerative Thermal Oxidizer
BC1-BC3	Basecoat Booth	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 63 Subpart A 40 CFR 63 Subpart B	SC3-SC5, and RTO	Wet Scrubbers, and Regenerative Thermal Oxidizer
CC1 & CC2	Clear Coat Booth	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 63 Subpart A 40 CFR 63 Subpart B	SC6, SC7, and RTO	Wet Scrubbers, and Regenerative Thermal Oxidizer
PK	Paint Kitchen	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 63 Subpart A 40 CFR 63 Subpart B	RTO	Regenerative Thermal Oxidizer

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General Requirements

1. At all times, including periods of startup, shutdown, and malfunction, the Permittee shall to the extent practicable maintain and operate this source, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection or surveillance of the source.
2. Prior to any source commencing a modification as defined in 391-3-1-.01(pp) that may result in air pollution and not exempted by 391-3-1-.03(6), the Permittee shall submit a Permit application to the Division. The application shall be submitted sufficiently in advance of any critical date involved to allow adequate time for review, discussion, or revision of plans, if necessary. Such application shall include, but not be limited to, information describing the precise nature of the change, modifications to any emission control system, production capacity of the plant before and after the change, and the anticipated completion date of the change. The application shall be in the form of a Georgia air quality Permit application to construct or modify (otherwise known as a SIP application) and shall be submitted on forms supplied by the Division, unless otherwise notified by the Division.
3. At any time that the Division determines that additional control of emissions from the facility may reasonably be needed to provide for the continued protection of public health, safety and welfare, the Division reserves the right to amend the provisions of this Permit pursuant to the Division's authority as established in the Georgia Air Quality Act and the Rules adopted pursuant to that Act.
4. Records of all data, reports, notifications, and calculations shall be maintained in an order suitable for inspection for a period of five (5) years from the date of creation.

Plant-Wide Federal Regulatory Requirements & Emission Standards/Limits

5. The Permittee shall not discharge or cause the discharge into the atmosphere from the facility volatile organic compounds (VOC) in an amount equal to or exceeding 100 tons during any 12 consecutive month period.
[40 CFR 52.21 – PSD Avoidance]
6. The Permittee shall comply with all applicable provisions of 40 CFR 60 Subpart A – “General Provisions.”
[40 CFR 60 Subpart A]
7. The Permittee shall comply with all applicable provisions of 40 CFR 63 Subpart A – “General Provisions.”
[40 CFR 63 Subpart A]

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Equipment Federal NESHAP/MACT Rule Requirements & Emission Standards

Case-by-Case MACT Determination per Section 112(g) of the Clean Air Act Amendment
Plastic Parts and Products MACT

8. The Permittee shall limit the emissions of hazardous air pollutants to an amount equal to or less than 0.17 lbs of HAP per lb of coating solids used in the coating of plastic automotive parts (ID Nos. PK, PC1, BC1-BC3, CC1, and CC2) during each 12-month compliance period.
[40 CFR Part 63 Subpart B (112(g))]
9. The Permittee shall develop and implement a work practice plan to minimize organic HAP emissions from storage, mixing and conveying of coatings, thinners, and other additives and cleaning materials used in, and waste materials generated by, the controlled coating operations with established emission limits related to the coating of plastic automotive parts. The plan must include the following work practice standards:
[40 CFR Part 63 Subpart B (112(g))]
 - a. All organic HAP containing coatings, thinners, and other additives, cleaning materials, and waste materials must be stored in closed containers. This includes the storage of all fresh and spent solvents, as well as solvent-laden materials.
 - b. The risk of spills of organic HAP containing coatings, thinners, and other additives, cleaning materials, and waste materials must be minimized.
 - c. Organic HAP containing coatings, thinners, and other additives, cleaning materials, and waste materials must be conveyed from one location to another in closed containers or pipes.
 - d. Mixing vessels, which contain organic HAP containing coatings and other materials must be closed except when adding to, removing, or mixing the contents.
 - e. Emissions of organic HAP must be minimized during cleaning of storage, mixing, and conveying equipment.
 - f. The use of closed molds to minimize evaporative losses of un-reacted pre-polymers prior to the completion of the polymerization reaction.
10. The Permittee shall develop and implement a written startup, shutdown, and malfunction plan that addresses startup, shutdown, and corrective actions in the event of a malfunction of the emission capture system or the add-on control devices used in the manufacturing of plastic automotive parts.
[40 CFR Part 63 Subpart B (112(g))]

Industrial/Commercial/Institutional Boilers and Process Heaters MACT (Hot Water Generator)

11. The Permittee shall burn only natural gas, except in times of natural gas curtailment during which the Permittee may burn propane.
[40 CFR Part 63 Subpart B (112(g))]

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Equipment State/SIP Rule Requirements & Emission Standards

12. The Permittee shall not discharge, or cause the discharge, into the atmosphere from any source not subject to a more restrictive opacity limit in this permit, any visible emissions that exhibit opacity equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)]
13. The Permittee shall not discharge, or cause the discharge, into the atmosphere from fuel-burning equipment including the hot water generator (ID No. HW1), any gases which contain fly ash and/or other particulate matter in excess of the rate derived from $P = 0.5(10/R)^{0.5}$ where P equals the allowable weight of emissions of fly ash and/or other particulate matter in pounds per million BTU heat input and R equals heat input of the boiler in million BTU per hour.
[391-3-1-.02(2)(d)(2)(ii)]
14. The Permittee shall not cause to be discharged into the atmosphere from the hot water generator (ID No. HW1) any gases that exhibit greater than 20% opacity (6-minute average), except for one 6-minute period per hour of not more than 27% opacity.
[391-3-1-.02(2)(d)]
15. The Permittee shall not discharge, or cause the discharge, into the atmosphere from any manufacturing processes in this facility, including thermal oxidizers, direct-heating/curing ovens and/or direct-heating air heaters, any gases which contain particulate matter in excess of the rate derived from $E = 4.1P^{0.67}$ where E equals the allowable particulate emission rate in pounds per hour and P equals the process weight input rate in tons per hour.
[391-3-1-.02(2)(e)]
16. The Permittee shall not burn in any fuel burning equipment any fuel containing greater than 2.5 percent sulfur by weight.
[391-3-1-.02(2)(g)]
17. The Permittee shall not discharge, or cause the discharge, into the atmosphere nitrogen oxides (Nox), from the Hot Water Heater (ID No. HW1), in excess of 30 ppm @ 3% O₂, dry basis during the period of May 1st through September 30th of each year.
[391-3-1-.02(2)(III)]

Fugitive Emissions

18. The Permittee shall take all reasonable precautions with any operation, process, handling, transportation, or storage facilities to prevent fugitive emissions of air contaminants.

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Process and Control Equipment

19. The Permittee shall, during all periods of operation of the plastic automotive parts coating line (including, but not limited to, emission units ID Nos. PK, DW, AP1, DO1, PC1, PO, BC1-BC4, CC1-CC2, and BO), route waste gas emissions to the thermal oxidizer (ID No. RTO). The Permittee shall operate the thermal oxidizer using the same operating parameters as those used during the most recent Division approved compliance performance test, and maintain the burner temperature set point at or greater than that used during the most recent Division approved compliance performance test at which destruction efficiency of the oxidizer was determined. [40 CFR Part 63 Subpart B (112(g))]
20. The Permittee shall operate the plastic automotive parts coating line (including, but not limited to emission units ID Nos. PK, DW, AP1, DO1, PC1, PO, BC1-BC4, CC1-CC2, and BO) as a permanent total enclosure according to Georgia's *Procedures for Testing and Monitoring Sources of Air Pollutants*. [40 CFR Part 63 Subpart B (112(g))]
21. The Permittee shall maintain the wet orifice scrubbers (ID Nos. SC1-SC7) serving the paint spray booths (ID Nos. AP1, PC1, BC1-BC3, CC1, and CC2) in accordance with a locally prepared maintenance plan. The maintenance plan shall include information necessary for the proper operation of the wet orifice scrubbers such as manufacturer's recommended water flow rates, water depths, inspection and/or maintenance/clean-up requirements. The Permittee shall keep inspection and maintenance records for inspection and submission to the Division and to the EPA. These records shall be maintained for at least five (5) years following the date of entry.
22. The Permittee shall maintain a critical spare parts inventory for control equipment including measuring device(s) and/or monitoring system(s) as necessary. Critical spare parts includes those which are most probable to fail under normal conditions of the control equipment operation and which can be practically inventoried and installed by the Permittee.

Performance Testing

General Testing Requirements

23. The Permittee shall cause to be conducted a performance test at any specified emission point when so directed by the Environmental Protection Division ("Division"). The test results shall be submitted to the Division within 30 days of the completion of the testing. Any tests shall be performed and conducted using methods and procedures that have been previously specified or approved by the Division. [391-3-1-.02(6)(b)1(i)]
24. The Permittee shall provide the Division thirty (30) days prior written notice of the date of any performance test(s) to afford the Division the opportunity to witness and/or audit the test, and shall provide with the notification a test plan in accordance with Division guidelines. [391-3-1-.02(3)(a)]
25. Performance and compliance tests shall be conducted and data reduced in accordance with applicable procedures and methods specified in the Division's *Procedures for Testing and Monitoring Sources of Air Pollutants*. Unless specified otherwise, the methods for the determination of compliance with the emission limits/standards in this Permit are as follows:

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- a. Method 1 for the determination of sample point locations;
- b. Method 2 for the determination of stack gas flow rate;
- c. Method 3 or 3A for the determination of stack gas molecular weight;
- d. Method 4 for the determination of stack gas moisture;
- e. Method 5 for the determination of particulate matter emissions;
- f. Method 7 and/or 7E for the determination of nitrogen oxides emissions;
- g. Method 9 and the procedures contained in Section 1.3 of the Division's Procedures for Testing and Monitoring Sources of Air Pollutants for the determination of opacity;
- h. Method 19, when applicable, for the conversion of particulate matter concentrations and nitrogen oxide concentrations (i.e. grams/dscf for PM and ppm for NO_x) as determined using other methods specified in this section;
- i. Method 24 for the determination of the volatile matter content, water content, density, volume solids, and weight solids of surface coatings, solvents and other VOC materials;
- j. Method 25 or 25A for the determination of total gaseous nonmethane organic emissions as carbon;
- k. Method 204 for criteria for and verification of a permanent or temporary total enclosure;
- l. Method 300 and the procedures contained in Section 1.3 of the Division's Procedures for Testing and Monitoring Sources of Air Pollutants for the determination of the transfer efficiency of coating application;
- m. Method 311 for the determination of HAP content of surface coatings, solvents and other VOC materials;

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

[391-3-1-.02(2)(ii), 391-3-1-.02(3)(a) & 391-3-1-.02(6)(b)1(i)]

26. All required continuous monitoring systems shall be installed, calibrated and operating when tests are conducted. Copies of the daily record of operating parameters and output data from all monitoring systems and devices shall be submitted with the test report for each day testing is conducted.

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Specific Testing Requirements

27. Within 30 days of written notification by the Division, the Permittee shall obtain a sample(s) of any VOC material(s) subject to NESHAP/MACT and/or state emission limit, have the sample(s) analyzed for VOC content in accordance with Method 24, and report the results of the analysis to the Division.
[40 CFR Part 63 Subpart B (112(g)), 391-3-1-.02(3)(a), 391-3-1-.02(2)(t) & 391-3-1-.02(2)(ii)]
28. Within 30 days of written notification by the Division, the Permittee shall obtain a sample(s) of any VOC wastes to be transported off plant property, have the sample(s) analyzed for VOC content in accordance with Method 24, and report the results of the analysis, in the units of the standard, to the Division.
[391-3-1-.02(3)(a), 391-3-1-.02(2)(t) & 391-3-1-.02(2)(ii)]
29. Within 60 days of written notification by the Division, the Permittee shall conduct a performance test(s) to update the following system parameter(s) as required:
 - a. The destruction efficiency of a specified thermal oxidizer(s);
 - b. The capture efficiency of a specified VOC control system(s);
 - c. The NO_x emissions from a specified fuel combustion unit/source;
 - d. The PM emissions from a specified process unit/source; and
 - e. The visible emissions from a specified source.

The performance test(s) shall be conducted and data reduced in accordance with the conditions and requirement in this Permit and in pertinent State and/or Federal rules. The Permittee shall provide the Division thirty (30) days prior written notice of the date of any of the tests to afford the Division the opportunity to witness and/or audit the test, and shall provide with the notification a test plan in accordance with Division guidelines. The report of the tests shall be submitted to the Division within sixty (60) days of the completion of testing.
[391-3-1-.02(2)(ii) & 391-3-1-.02(3)(a)]

Initial Performance Testing Requirements

30. Within 60 days after achieving the maximum production rate at which the facility will be operated but no later than 180 days of the initial start-up of production, the Permittee shall conduct initial performance tests to determine the VOC and volatile HAP destruction efficiency of thermal oxidizer (ID No. RTO). During the performance test, the Permittee shall measure and record the combustion chamber temperature of the thermal oxidizer using the continuous temperature monitoring system required by Condition No. 35, and determine the average combustion chamber temperature during the performance test. Should production rates increase above the rates at which the acceptable performance tests were made or should general ventilation changes be made to the collection system, the Division may require that the thermal oxidizer be tested for compliance at a higher production rate or different ventilation design.
[40 CFR Part 63 Subpart B (112(g)), 391-3-1-.02(2)(t) & 391-3-1-.02(2)(ii)]

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31. Within 60 days after achieving the maximum production rate at which the facility will be operated, but no later than 180 days after the initial startup, the Permittee shall verify that the plastic automotive parts coating line (including emission units ID Nos. PK, DW, APO, PC1, PO, BC1-BC4, CC1-CC3, and BO) total enclosure complies with Appendix G of Georgia's *Procedures for Testing and Monitoring Sources of Air Pollutants*. The results of the verification shall be submitted to the Division within 30 days of the completion of the testing. Should production rates increase above the rates at which the acceptable performance tests were made or should general ventilation changes be made to the collection system, the Division may require that the thermal oxidizer(s) be tested for compliance at a higher production rate or different ventilation design.
32. Within 60 days after achieving the maximum production rate at which the Hot Water Heater (ID No. HW1) will be operated, but no later than 180 days after initial startup, the Permittee shall conduct performance tests to determine compliance with the nitrogen oxides limitation contained in Condition No. 17.

In lieu of conducting performance tests for nitrogen oxides emissions, the Permittee may perform a tune up using the following procedures;

- a. The tune up shall be performed within 60 days after achieving the maximum production rate at which the Hot Water Heater (ID No. HW1) will be operated, but no later than 180 days after initial startup.
 - b. Measurements of nitrogen oxides and oxygen shall be conducted using the procedures of EPA/EMC Conditional Test Method (CTM-30) Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Emissions from Natural Gas-Fired Engines, Boilers and Process Heaters Using Portable Analyzers. The duration of each test run shall be for a minimum of 30 minutes.
 - c. Operating parameters shall be adjusted until the nitrogen oxides emissions corrected to 3 percent oxygen are less than or equal to 30 parts per million (ppm). Operating parameters include, but are not limited to, the degree of staged combustion (i.e., the ratio of primary air to secondary air/tertiary air), the level of excess air (i.e., flue gas oxygen level), and flue gas recirculation rate. A minimum of three test runs is required to show the emissions are less than or equal to 30 ppm corrected to 3 percent oxygen.
 - d. Within 30 days following the completion of the Hot Water Heater (ID No. HW1) tuning, the Permittee shall submit for approval by the Division, a report containing the emissions data, a description of the operating parameters which were adjusted to achieve the required emissions level, the parameter values/settings at which the required emissions level was achieved, and a description of the procedures that the Permittee will use to ensure that the Hot Water Heater (ID No. HW1) is operated with in the parameter values/settings established during the tuning period May 1st through September 30th of each year.
33. All the initial performance tests shall be conducted and data reduced in accordance with the conditions and requirement in this Permit and in pertinent State and/or Federal rules. The Permittee shall provide the Division thirty (30) days prior written notice of the date of any of the tests to afford the Division the opportunity to witness and/or audit the test, and shall provide with the notification a test plan in accordance with Division guidelines. The report of the tests shall be submitted to the Division within sixty (60) days of the completion of testing.
[40 CFR Part 63 Subpart B (112(g)), 391-3-1-.02(2)(ii) & 391-3-1-.02(3)(a)]

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Monitoring Requirements

General Monitoring Requirements

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

Specific Monitoring Requirements

35. The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record the indicated parameters on the following equipment. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements. The records shall be retained for at least five (5) years following the date of entry.
[40 CFR Part 63 Subpart B (112(g)) & 391-3-1-.02(2)(ii)]
- a. The monitoring device measuring the combustion chamber temperature of thermal oxidizer (ID No. RTO) is to be certified by the manufacturer to be accurate within (+/-) 0.75 percent of the temperature being measured. The temperature measurement device shall be equipped with a recording device so that a permanent record is produced. The average temperature shall be calculated using all data points collected, but not less than four data points equally spaced over each hour. During any period during which the temperature continuous monitoring and recording system is inoperative, the Permittee shall manually measure and record the combustion chamber temperature at least once every 15 minutes of surface coating operation.
36. The Permittee shall perform monthly inspections to ensure compliance with the work practice standards in Condition No. 9. Inspection reports shall be recorded in a permanent form suitable for inspection and submission to the Division and to the EPA. The records shall be retained for at least five (5) years following the date of entry.
[40 CFR Part 63 Subpart B (112(g))]
37. The Permittee shall conduct or cause to conduct visual inspections of water flow through each of the wet orifice scrubbers paint spray booths once per shift. The results of the inspection shall be recorded in a permanent form, suitable and available for inspection by the Division.
[391-3-1-.02(2)(b) & 391-3-1-.02(2)(e)]

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Record Keeping and Reporting Requirements (associated with Specific Monitoring Requirements)

38. In the event of any period (during actual operation) greater than or equal to three (3) hours during which the average combustion chamber temperature of the thermal oxidizer (ID No. RTO) is less than 1,400°F or the temperature determined during the most recent Division approved performance test at which the destruction efficiency of the oxidizer(s) was determined, except during periods of startup, shutdown, or malfunction, the Permittee shall submit a written report which describes the cause and duration of the episode, the corrective actions taken, and the plans to prevent future occurrences. This report must be submitted by means that would ensure the Division's receipt of the report by no later than seven days after the occurrence.
[40 CFR Part 63 Subpart B (112(g))]
39. The Permittee shall maintain a log for the equipment used to manufacture plastic automotive parts detailing the operation and maintenance of the emission capture systems, emissions abatement devices, and continuous parameter monitors (CPM) during the period between the startup date and the date when the initial emission capture system and emissions abatement device performance tests have been completed.
[40 CFR Part 63 Subpart B (112(g))]

Notification, Reporting and Record Keeping Requirements

General Record Keeping and Reporting Requirements

40. Unless otherwise specified, all records required by this Permit shall be recorded in a permanent form suitable for inspection by and submission to the Division. The records shall be retained for at least five (5) years following the date of entry.
[40 CFR Part 63 Subpart B (112(g))]
41. Where applicable, the Permittee shall keep the following records:
[40 CFR Part 63 Subpart B (112(g)) and 391-3-1-.02(6)(b)1(iv)]
 - a. The date, place, and time of sampling or measurement;
 - b. The date(s) analyses were performed;
 - c. The company or entity that performed the analyses;
 - d. The analytical techniques or methods used;
 - e. The results of such analyses; and
 - f. The operating conditions as existing at the time of sampling or measurement.
42. The Permittee shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this Permit. The information shall be recorded in a permanent form suitable and available for inspection and shall be retained for at least five (5) years following the date of such measurements maintenance, reports, and records.

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43. The Permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility, any malfunction of the air pollution control equipment or any periods during which a continuous monitoring system or monitoring device is inoperative. The Permittee shall retain these records for a period of at least five (5) years after the date of any such startup, shutdown, or malfunction.
44. In the event of any malfunction or breakdown of process or emission control equipment for a period of four hours or more which results in excessive emissions, the owner or operator shall submit a written report which describes the cause of the breakdown, the corrective actions taken, and the plans to prevent future occurrences. This report must be submitted by means that would ensure the Division's receipt of the report by no later than seven days after the occurrence. The information submitted shall be adequate to allow the Division to determine if the increased emissions were due to a sudden and unavoidable breakdown. Such a report shall in no way serve to excuse, otherwise justify or in any manner affect any potential liability or enforcement action.
45. In addition to any other reporting requirements of this Permit, the Permittee shall submit a written report containing any excess emissions, exceedances, and/or excursions as described in this permit and any monitor malfunctions for each semiannual period ending June 30th and December 31st of each year. All reports shall be postmarked by the 30th day following the end of each reporting period, July 30th and January 30th, respectively. In the event that there have not been any excess emissions, exceedances, excursions or malfunctions during a reporting period, the report should so state. Otherwise, the contents of each report shall be as specified by the Division's *Procedures for Testing and Monitoring Sources of Air Pollutants* and shall contain the following:
[40 CFR Part 63 Subpart B (112(g)), 391-3-1-.02(6)(b)1]
 - a. A summary report of excess emissions, exceedances and excursions, and monitor downtime, in accordance with Section 1.5(c) and (d) of the above referenced document, including any failure to follow required work practice procedures.
 - b. Total process operating time during each reporting period.
 - c. The magnitude of all excess emissions, exceedances and excursions computed in accordance with the applicable definitions as determined by the Director, and any conversion factors used, and the date and time of the commencement and completion of each time period of occurrence.
 - d. Specific identification of each period of such excess emissions, exceedances, and excursions that occur during startups, shutdowns, or malfunctions of the affected facility. Include the nature and cause of any malfunction (if known), the corrective action taken or preventive measures adopted.
 - e. The date and time identifying each period during which any required monitoring system or device was inoperative (including periods of malfunction) except for zero and span checks, and the nature of the repairs, adjustments, or replacement. When the monitoring system or device has not been inoperative, repaired, or adjusted, such information shall be stated in the report.

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- f. Certification by a Responsible Official that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

For the purposes of 40 CFR Part 63, Subpart B (112(g)), for Industrial/Commercial/ Institutional Boilers and Process Heaters,” the semi-annual reports shall also include a signed statement in the Notification of Compliance Status report that indicating that only natural gas or propane was used at the facility.

Initial Startup Notification

- 46. The Permittee shall furnish the Division written notification as follows:
 - a. The anticipated date of initial startup of this source, not more than 60, nor less than 30 days prior to such date.
 - b. The actual date of initial startup of this source within 15 days after such date.
 - c. Certification that a final inspection has shown that construction has been completed in accordance with the application, plans, specifications and supporting documents submitted in support of this permit.

For the purpose of this permit, "startup" shall mean the setting in operation of a source for its intended purpose.

- 47. The Permittee shall submit an initial notification within 120 days from startup of the facility or within 120 days after the publication of the final rule, 40 CFR 63 Subpart PPPP, “National Emission Standards for Hazardous Air Pollutants: Surface Coating of Plastic Parts and Products,” in the Federal Register whichever is later. This notification shall contain all information required by the 40 CFR 63 Subpart A - General Provisions and the final rule.
[40 CFR Part 63 Subpart B (112(g))]
- 48. The Permittee shall submit an initial notification within 120 days from startup of the Hot Water Heater (ID. No. HW1) or within 120 days after the publication of the final rule, 40 CFR 63 Subpart DDDDD, “National Emission Standards for Hazardous Air Pollutants: Industrial, Commercial and Institutional Boilers and Process Heaters,” in the Federal Register whichever is later. This notification shall contain all information required by the 40 CFR 63 Subpart A - General Provisions and the final rule.
[40 CFR Part 63 Subpart B (112(g))]

Fuel Record Keeping

- 49. The Permittee shall maintain a record of natural gas consumption on a monthly basis.
[391-3-1-.02(6)(b)]
- 50. The Permittee shall submit the following records as part of the semiannual reports required by Condition 57:
[391-3-1-.02(6)(b)]

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- a. The amount of natural gas consumed in the Hot Water Heater (ID No. HW1) for each monthly period during the semiannual reporting period.

VOC and HAP Record Keeping

51. The Permittee shall maintain monthly usage records of all materials containing volatile organic compounds for the entire plant. These records shall include all the information required for the calculations of the monthly plant-wide VOC emissions, such as the total weight of each VOC material used/processed and/or containerized VOC wastes disposed off-site, the VOC content of each VOC material and/or containerized VOC wastes disposed off-site (expressed as a weight percentage), the operation hours of the VOC control system(s), the overall VOC control efficiency of the VOC control system(s) approved by the Division, and periods during which the combustion chamber temperature of a Thermal Oxidizer is less than the excursion temperature defined by Condition No. 57. All calculations used to determine usages should be kept as part of the monthly record. These usage records shall be kept available for inspection or submittal for five years from the date of record.
[391-3-1-.02(6)(b)]
52. The Permittee shall use the monthly usage records required in Condition No. 51 to calculate via mass balance the monthly total VOC emissions from the entire plant for each calendar month. For the purposes of this condition, the following equation shall be used:

VOC Emissions =

[(Material usage in one month)(VOC content of material)*(1 - control efficiency)] or*

{[(Material usage in one month)(VOC content of material)] - [(waste disposed in one month)*(VOC content of the waste material)]} *{1 - control efficiency}*

Where the VOC destruction efficiency of the oxidizer is derived from the performance tests required in Condition No. 30 for controlled sources and an assumed capture efficiency of 100 percent based on the requirements of a permanent total enclosure is used. During periods in which the three-hour average combustion chamber temperature of a thermal oxidizer controlling VOC emissions from a surface coating operation is less than the excursion temperature defined by Condition No. 57(c)(i), the control efficiency shall be assumed to be zero.

The Permittee shall notify the Division in writing if the volatile organic compound emissions exceed 8.33 tons during any calendar month. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to maintain compliance with the emission limit in Condition No. 5.

[391-3-1-.02(6)(b)]

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53. The Permittee shall use the monthly VOC emission data in Condition No. 52 to calculate the 12-month rolling total of VOC emissions from the entire plant for each calendar month. All calculations should be kept as part of the monthly record required in Condition No. 51. The Permittee shall notify the Division in writing if any of the 12-month rolling totals of VOC emissions exceeds 100 tons. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to attain future compliance with the emission limit in Condition 5.
[391-3-1-.02(6)(b)]

54. The Permittee shall maintain monthly records of all materials containing organic hazardous air pollutants used in the coating of plastic automotive parts. These records shall include the total number of gallons of each material used, the density of each material used (lb/gallon of coating), the organic hazardous air pollutant content of each material (mass fraction in lb/lb of coating), the water content, the solids content of each material, and the amount and organic HAP content of any material shipped off-site as waste, and the overall control efficiency of the HAP control system(s) involved. These records shall be kept available for inspection or submittal for five years from the date of record.
[40 CFR Part 63 Subpart B (112(g))]

55. The Permittee shall use the records required by Condition No. 54 to calculate the total organic HAP emissions from plastic automotive parts coating operations. For the purposes of this condition, the following equations shall be used:

HAP Emissions:

$$H_{annual} = \frac{\sum_{y=1}^{12} (H_{HAP,y}) - \sum_{y=1}^{12} (H_{C,y})}{\sum_{y=1}^{12} M_{st,y}}$$

where:

H_{annual} is the organic HAP emission rate for the 12-month compliance period, kg of organic HAP emitted per kg coating solids used (lb organic HAP emitted per lb coating solids used), and

H_{HAP} is total mass of organic HAP emissions during the month, y in kilograms(lbs), and

M_{st} is the total mass of coating solids used during the month, in kilograms (lbs), and

y is the identifier for months

$$H_c = [(Ac + Bc + Cc - Hunc)] / [(CE/100) * (DRE/100)]$$

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where:

H_C is the mass of organic HAP emission reduction for the controlled coating operation during the month, kg (lb).

A_C is total mass of organic HAP in the coatings used in the controlled coating operation during the month, in kilograms(lbs), and

B_C is total mass of organic HAP in the thinners and other additives used in the controlled coating operation during the month, in kilograms(lbs), and

C_C is total mass of organic HAP in the cleaning materials used in the controlled coating operation during the month, in kilograms(lbs), and

H_{unc} is the total mass of organic HAP in coatings, thinners and other additives, and cleaning materials used during all periods that the three-hour average combustion temperature is less than the excursion temperature defined in Condition No. 57(c)(i), in kilograms (lbs), and

CE is the capture efficiency of the emission capture system vented to the add-on control device, percent (in case of a permanent total enclosure capture can be assumed to be 100%), and

DRE is the organic HAP destruction or removal efficiency of the add-on control device, percent.

Where the VOC destruction efficiency of the oxidizer is derived from the performance tests required in Condition No. 30 for controlled sources and an assumed capture efficiency of 100 percent based on the requirements of a permanent total enclosure is used. During periods in which the three-hour average combustion chamber temperature of a thermal oxidizer controlling VOC emissions from a surface coating operation is less than the excursion temperature defined by Condition No. 57(c)(i), the control efficiency shall be assumed to be zero.

The Permittee shall notify the Division in writing if organic HAP emissions exceed 0.17 lbs of organic HAP per lb of coating solids used during each 12-month compliance period. A compliance period consists of 12 months. Each month, after the end of the initial compliance period is the end of a compliance period consisting of that month and the preceding 11 months. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to attain compliance in the future. These records shall be kept available for inspection or submittal for five years from the date of record.
[40 CFR Part 63 Subpart B (112(g))]

Submission of Sample Calculations

56. At least 30 days prior to initial start-up of surface coating operations, the Permittee shall submit samples of the calculations required by conditions 51 through 55.
[391-3-1-.02(6)(b)]

Specific Reporting Requirements

57. For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition No. 45, the following excess emissions, exceedances, and excursions shall be reported:
[40 CFR Part 63 Subpart B (112(g)) and 391-3-1-.02(6)(b)1]

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- a. Excess emissions: (means for the purpose of this Condition and Condition No. 45, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)
- None required to be reported in accordance with Condition No. 45.
- b. Exceedances: (means for the purpose of this Condition and Condition No. 45, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)
- i. Any period of twelve (12) consecutive months during which the VOC emissions from the entire plant exceed 100 tons;
 - ii. Any 12-month compliance period in which HAP emissions used in the coating of plastic automotive parts equal or exceed 0.17 lbs of HAP per lbs of coating solids used.
 - iii. Any instance in which the facility burns any fuel other than natural gas except for propane during times of natural gas curtailment;
- c. Excursions: (means for the purpose of this Condition and Condition No. 45, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)
- i. Any three-hour period during which the average combustion chamber temperature of the thermal oxidizer (ID No. RTO) serving an on-going surface coating operation is less than 1400°F or greater than 50°F below the value established during the most recent Division approved performance test during which the destruction efficiency of the oxidizer was determined;
 - ii. Any instance in which the visual inspection required by Condition No. 37 indicates that there is no water flow in one or more of the wet orifice scrubbers (ID Nos. SC1-SC7) and the water flow is not resumed within twelve (12) hours;
 - iii. Any instance in which the facility fails to follow the maintenance plan for the wet orifice scrubbers (ID Nos. SC1-SC7), as required by Condition No. 21;
 - iv. Any failure to develop and implement the work practice plans described in Condition No. 9;
 - v. Any failure to follow the written startup, shutdown, and malfunction plan required in Condition No. 10;

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Circumvention

58. The Permittee shall not build, erect, install or use any article, machine, equipment or process the use of which conceals an emission which would otherwise constitute a violation of an applicable emission standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard that is based on the concentration of a pollutant in the gases discharged into the atmosphere.

Special Conditions

59. At any time that the Division determines that additional control of emissions from the facility may reasonably be needed to provide for the continued protection of public health, safety and welfare, the Division reserves the right to amend the provisions of this Permit without prior notice.