



west virginia department of environmental protection

Division of Air Quality  
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Charleston, WV 25304  
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Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
www.dep.wv.gov

July 11, 2016

CERTIFIED MAIL  
91 7199 9991 7035 6665 8059

Louis Gaudreau  
1525 Midway Park Road  
Bridgeport, WV 26330

RE: Pratt & Whitney Engine Services, Inc.  
Bridgeport Facility  
Permit Application R13-2679F  
Plant ID No. 033-00005

Dear Mr. Gaudreau:

Your application for a permit as required by Section 5 of 45CSR13 - "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permit, General Permit, and Procedures for Evaluation" has been approved. The enclosed permit R13-2679F is hereby issued pursuant to Subsection 5.7 of 45CSR13. Please be aware of the notification requirements in the permit which pertain to commencement of construction, modification, or relocation activities; startup of operations; and suspension of operations.

This permit does not affect 45CSR30 applicability, the source is a nonmajor source subject to 45CSR30.

In accordance with 45CSR30- Operating Permit Program, the permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

Should you have any questions or comments, please contact me at (304) 926-0499, extension 1212.

Sincerely,

Thornton E. Martin Jr.  
Permit Engineer

c: Bruce Henderson  
Lori Steele, MSES Consultants, Inc.

*West Virginia Department of Environmental Protection*  
Earl Ray Tomblin  
Governor

*Division of Air Quality*

Randy C. Huffman  
Cabinet Secretary

# Class II Administrative Update



**R13-2679F**

*This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§22-5-1 et seq.) and 45 C.S.R. 13 – Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation. The permittee identified at the above-referenced facility is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.*

*Issued to:*

**Pratt & Whitney Engine Services, Inc.  
Bridgeport  
033-00005**

A handwritten signature in blue ink, appearing to read "William F. Durham", written over a horizontal line.

*William F. Durham  
Director*

*Issued: July 11, 2016*

This permit will supercede and replace Permit R13-2679E.

Facility Location: 1525 Midway Park Drive  
Bridgeport, Harrison County, West Virginia  
Mailing Address: 1525 Midway Park Drive  
Bridgeport, WV 26330  
Facility Description: Aircraft Engine Maintenance and Repair Facility  
NAICS Codes: 336412  
UTM Coordinates: 567.0 km Easting • 4,350.1 km Northing • Zone 17  
Permit Type: Class II Administrative Update  
Description of Change: This action is to increase the SO<sub>2</sub> limit from 0.2 TPY to 1.5 TPY in order to provide additional flexibility in the engines that can be tested at the facility.

*Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [ §§22B-1-1 et seq. ], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.*

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*This permit does not affect 45CSR30 applicability, the source is a nonmajor source subject to 45CSR30.*

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**1.0. Emission Units**

<b>Emission Unit ID</b>	<b>Emission Point ID</b>	<b>Emission Unit Description</b>	<b>Control Device ID</b>	<b>Control Device</b>
B-1	107	Boiler 1	N/A	None
B-2	108	Boiler 2	N/A	None
G-1334	4	Initial Boiler	N/A	None
1414	70	Spray Paint Booth 1	PB1F	Mat Filters
1414-PD2	71	Spray Paint Booth 2	PB2F	Mat Filters
1415 Booth	65	Plasma Booth 1	PW1	Water Curtain
1415-PB	65a	Plasma Booth 2	BH1	Dust Collector
TC-1	146	Test Cell #1	N/A	None
TC-3	151	Test Cell #3	N/A	None
TC-5	87	Test Cell #5	N/A	None
TC-6	164	Test Cell #6	N/A	None
PL-1	121	Cleaner Tank (Cyanide)	003	Wet Scrubber
PL-6	121	Stripper Tank (Cyanide)	003	Wet Scrubber
PL-8	121	Stripper Tank (Cyanide)	003	Wet Scrubber
PL-51	121	Desmut Tank (Cyanide)	003	Wet Scrubber
PL-59	121	Cadmium Plate Tank (Cyanide)	003	Wet Scrubber
PL-60	121	Cadmium Plate Tank (Cyanide)	003	Wet Scrubber
PL-68	121	Silver Plate Tank (Cyanide)	003	Wet Scrubber
PL-69	121	Silver Plate Tank (Cyanide)	003	Wet Scrubber
PL-71	121	Copper Plate Tank (Cyanide)	003	Wet Scrubber
C-34	121	Alkaline Cleaner Tank	002	Wet Scrubber
PL-42	119A	Hot Water Rinse Tank	002	Wet Scrubber
PL-64	126	Hot Water Rinse Tank	002	Wet Scrubber
PL-75	122	Chrome Anodizing & Chrome Conversion Coating Tank	001	Wet Scrubber
T1-2	n/a	Chrome Plate Tank	EED	Emission Elimination Device
T1-3	122	Chrome Conversion Coating Tank	001	Wet Scrubber
T1-5	122	Chrome Conversion Coating Tank	001	Wet Scrubber
<b>Clean Line</b>				
C-1	119A	Alkaline Derust Tank	005	Wet Scrubber
C-2	119A	Alkaline Derust Tank	005	Wet Scrubber
C-4	120	Acid Conditioner Tank	004	Wet Scrubber
C-6	120	Alkaline Permanganate Tank	004	Wet Scrubber

Emission Unit ID	Emission Point ID	Emission Unit Description	Control Device ID	Control Device
C-8	120	Acid Cleaning Tank	004	Wet Scrubber
C-10	120	Alkaline Cleaning Tank	004	Wet Scrubber
C-12	120	Hot Water Rinse Tank	004	Wet Scrubber
C-13	119A	Hot Water Rinse Tank	005	Wet Scrubber
C-15	119A	Carbon Remover Tank	005	Wet Scrubber
C-16	119A	Alkaline Cleaner Tank	005	Wet Scrubber
C-18	119A	Alkaline Cleaning Tank	005	Wet Scrubber
C-20	119A	Acid Cleaning Tank	005	Wet Scrubber
C-22	119A	Alkaline Cleaning Tank	005	Wet Scrubber
C-24	119A	Acid Cleaning Tank	005	Wet Scrubber
C-26	119A	Alkaline Cleaner Tank	005	Wet Scrubber
C-27	119A	Alkaline Derust Tank	005	Wet Scrubber
C-29	119A	Cleaning Tank	N/A	None
C-32	117	Hot Water Tank	005	Wet Scrubber
C-34	119A	Alkaline Cleaner Tank	005	Wet Scrubber
C-37	119A	Warm Water Tank	005	Wet Scrubber
C-39	126	Alkaline Cleaner Tank	002	Wet Scrubber
C-40	126	Cleaning Tank	002	Wet Scrubber
C-42	126	Hot Water Rinse Tank	002	Wet Scrubber
T1-6	122	Hot Water Rinse Tank	001	Wet Scrubber
T3-2	119A	Cleaning Tank	005	Wet Scrubber
T3-4	119A	Cleaning Tank	005	Wet Scrubber
T3-6	119A	Hot Water Rinse Tank	005	Wet Scrubber
PL-3	126	Acid Cleaner Tank	002	Wet Scrubber
PL-4	126	Stripper Tank	002	Wet Scrubber
PL-10	126	Stripper Tank	002	Wet Scrubber
PL-14	126	Stripper Tank	002	Wet Scrubber
PL-16	126	Hot Water Rinse Tank	002	Wet Scrubber
PL-17	126	Stripper/Cleaner Tank	002	Wet Scrubber
PL-19	126	Stripper Tank	002	Wet Scrubber
PL-23	126	Stripper Tank	002	Wet Scrubber
PL-25	126	Stripper Tank	002	Wet Scrubber
PL-26	126	Stripper Tank	002	Wet Scrubber
PL-28	126	Stripper Tank	002	Wet Scrubber

Emission Unit ID	Emission Point ID	Emission Unit Description	Control Device ID	Control Device
PL-32	121	Desmut Tank	003	Wet Scrubber
PL-34	126	Etch Tank	002	Wet Scrubber
PL-36	126	Etch Tank	002	Wet Scrubber
PL-53	126	Etch Tank	002	Wet Scrubber
PL-55	126	Nickel Strike Tank	002	Wet Scrubber
PL-57	126	Neutralizer Tank	002	Wet Scrubber
PL-66	126	Tin Plate Tank	002	Wet Scrubber
PL-73	122	Chrome Conversion Tank	001	Wet Scrubber
PL-77	126	Stripper Tank	002	Wet Scrubber
PL-78	126	Stripper Tank	002	Wet Scrubber
C-36	89	Varsol Spray Booth	N/A	None
C-17	92	Solvent Spray Booth	N/A	None
C-31	106	Flush Booth, Solvent	N/A	None
	127	Tank P-1 Solvent	N/A	None
	132c	Solvent Spray Booth	N/A	None
	132d	Solvent Flush Booth	N/A	None
	138	Solvent Booth	N/A	None
	56a	Electric Cure Oven	N/A	None
	57	Electric Cure Oven	N/A	None
R-1412WB1	144d	Peening Machine	DC2	Dust Collector
G-1347	Unnamed	Emergency Generator	N/A	None

## 2.0. General Conditions

### 2.1. Definitions

- 2.1.1. All references to the “West Virginia Air Pollution Control Act” or the “Air Pollution Control Act” mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.
- 2.1.2. The “Clean Air Act” means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.
- 2.1.3. “Secretary” means the Secretary of the Department of Environmental Protection or such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45CSR§30-2.12.). The Director of the Division of Air Quality is the Secretary’s designated representative for the purposes of this permit.

### 2.2. Acronyms

<b>CAAA</b>	Clean Air Act Amendments	<b>NO<sub>x</sub></b>	Nitrogen Oxides
<b>CBI</b>	Confidential Business Information	<b>NSPS</b>	New Source Performance Standards
<b>CEM</b>	Continuous Emission Monitor	<b>PM</b>	Particulate Matter
<b>CES</b>	Certified Emission Statement	<b>PM<sub>2.5</sub></b>	Particulate Matter less than 2.5 μm in diameter
<b>C.F.R. or CFR</b>	Code of Federal Regulations	<b>PM<sub>10</sub></b>	Particulate Matter less than 10μm in diameter
<b>CO</b>	Carbon Monoxide	<b>Ppb</b>	Pounds per Batch
<b>C.S.R. or CSR</b>	Codes of State Rules	<b>Pph</b>	Pounds per Hour
<b>DAQ</b>	Division of Air Quality	<b>Ppm</b>	Parts per Million
<b>DEP</b>	Department of Environmental Protection	<b>Ppm<sub>v</sub> or ppm<sub>v</sub></b>	Parts per Million by Volume
<b>dscm</b>	Dry Standard Cubic Meter	<b>PSD</b>	Prevention of Significant Deterioration
<b>FOIA</b>	Freedom of Information Act	<b>Psi</b>	Pounds per Square Inch
<b>HAP</b>	Hazardous Air Pollutant	<b>SIC</b>	Standard Industrial Classification
<b>HON</b>	Hazardous Organic NESHAP	<b>SIP</b>	State Implementation Plan
<b>HP</b>	Horsepower	<b>SO<sub>2</sub></b>	Sulfur Dioxide
<b>lbs/hr</b>	Pounds per Hour	<b>TAP</b>	Toxic Air Pollutant
<b>LDAR</b>	Leak Detection and Repair	<b>TPY</b>	Tons per Year
<b>M</b>	Thousand	<b>TRS</b>	Total Reduced Sulfur
<b>MACT</b>	Maximum Achievable Control Technology	<b>TSP</b>	Total Suspended Particulate
<b>MDHI</b>	Maximum Design Heat Input	<b>USEPA</b>	United States Environmental Protection Agency
<b>MM</b>	Million	<b>UTM</b>	Universal Transverse Mercator
<b>MMBtu/hr or mmbtu/hr</b>	Million British Thermal Units per Hour	<b>VEE</b>	Visual Emissions Evaluation
<b>MMCF/hr or mmcf/hr</b>	Million Cubic Feet per Hour	<b>VOC</b>	Volatile Organic Compounds
<b>NA</b>	Not Applicable	<b>VOL</b>	Volatile Organic Liquids
<b>NAAQS</b>	National Ambient Air Quality Standards		
<b>NESHAPS</b>	National Emissions Standards for Hazardous Air Pollutants		

### **2.3. Authority**

This permit is issued in accordance with West Virginia Air Pollution Control Act W.Va. Code §§ 22-5-1. et seq. and the following Legislative Rules promulgated thereunder:

- 2.3.1. 45CSR13 – *Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation;*

### **2.4. Term and Renewal**

- 2.4.1. This permit supersedes and replaces previously issued Permit R13-2679E. This Permit shall remain valid, continuous and in effect unless it is revised, suspended, revoked or otherwise changed under an applicable provision of 45CSR13 or any other applicable legislative rule;

### **2.5. Duty to Comply**

- 2.5.1. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Application R13-2679, R13-2679A, R13-2679B, R13-2679C, R13-2679D, R13-2679E, R13-25679 F, and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to;  
[45CSR§§13-5.11 and 10.3.]
- 2.5.2. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA;
- 2.5.3. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7;
- 2.5.4. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses, and/or approvals from other agencies; i.e., local, state, and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.

### **2.6. Duty to Provide Information**

The permittee shall furnish to the Secretary within a reasonable time any information the Secretary may request in writing to determine whether cause exists for administratively updating, modifying, revoking, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Secretary copies of records to be kept by the permittee. For information claimed to be confidential, the permittee shall furnish such records to the Secretary along with a claim of confidentiality in accordance with 45CSR31. If confidential information is to be sent to USEPA, the permittee shall directly provide such information to USEPA along with a claim of confidentiality in accordance with 40 C.F.R. Part 2.

**2.7. Duty to Supplement and Correct Information**

Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the permittee shall promptly submit to the Secretary such supplemental facts or corrected information.

**2.8. Administrative Update**

The permittee may request an administrative update to this permit as defined in and according to the procedures specified in 45CSR13.

[45CSR§13-4.]

**2.9. Permit Modification**

The permittee may request a minor modification to this permit as defined in and according to the procedures specified in 45CSR13.

[45CSR§13-5.4.]

**2.10 Major Permit Modification**

The permittee may request a major modification as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.

[45CSR§13-5.1]

**2.11. Inspection and Entry**

The permittee shall allow any authorized representative of the Secretary, upon the presentation of credentials and other documents as may be required by law, to perform the following:

- a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

**2.12. Emergency**

- 2.12.1. An "emergency" means any situation arising from sudden and reasonable unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable

to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

- 2.12.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are met.
- 2.12.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
  - a. An emergency occurred and that 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 emission standards, or other requirements in the permit; and
  - d. The permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
- 2.12.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
- 2.12.5 The provisions of this section are in addition to any emergency or upset provision contained in any applicable requirement.

### **2.13. Need to Halt or Reduce Activity Not a Defense**

It shall not be a defense for a permittee in an enforcement action that it should have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. However, nothing in this paragraph shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in determining penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continued operations.

### **2.14. Suspension of Activities**

In the event the permittee should deem it necessary to suspend, for a period in excess of sixty (60) consecutive calendar days, the operations authorized by this permit, the permittee shall notify the Secretary, in writing, within two (2) calendar weeks of the passing of the sixtieth (60) day of the suspension period.

### **2.15. Property Rights**

This permit does not convey any property rights of any sort or any exclusive privilege.

**2.16. Severability**

The provisions of this permit are severable and should any provision(s) be declared by a court of competent jurisdiction to be invalid or unenforceable, all other provisions shall remain in full force and effect.

**2.17. Transferability**

This permit is transferable in accordance with the requirements outlined in Section 10.1 of 45CSR13. [45CSR§13-10.1.]

**2.18. Notification Requirements**

The permittee shall notify the Secretary, in writing, no later than thirty (30) calendar days after the actual startup of the operations authorized under this permit.

**2.19. Credible Evidence**

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defense otherwise available to the permittee including, but not limited to, any challenge to the credible evidence rule in the context of any future proceeding.

### 3.0. Facility-Wide Requirements

#### 3.1. Limitations and Standards

- 3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.  
[45CSR§6-3.1.]
- 3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.  
[45CSR§6-3.2.]
- 3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management, and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.  
[40CFR§61.145(b) and 45CSR§34]
- 3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.  
[45CSR§4-3.1] *[State Enforceable Only]*
- 3.1.5. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.  
[45CSR§13-10.5.]
- 3.1.6. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11.  
[45CSR§11-5.2.]

#### 3.2. Monitoring Requirements

*[Reserved]*

#### 3.3. Testing Requirements

- 3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary

exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

- a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.
- b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.
- c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.
- d. The permittee shall submit a report of the results of the stack test within sixty (60) days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1.; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the compliance status evaluation. The summary of conditions shall include the following:
  1. The permit or rule evaluated, with the citation number and language;
  2. The result of the test for each permit or rule condition; and,
  3. A statement of compliance or noncompliance with each permit or rule condition.

[WV Code § 22-5-4(a)(14-15) and 45CSR13]

### **3.4. Recordkeeping Requirements**

- 3.4.1. **Retention of records.** The permittee shall maintain records of all information (including monitoring data, support information, reports, and notifications) required by this permit recorded

in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.

- 3.4.2. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken.  
[45CSR§4. *State Enforceable Only.*]

### 3.5. Reporting Requirements

- 3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- 3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.
- 3.5.3. **Correspondence.** All notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

**If to the DAQ:**  
Director  
WVDEP  
Division of Air Quality  
601 57<sup>th</sup> Street  
Charleston, WV 25304-2345

**If to the US EPA:**  
Associate Director  
Office of Air Enforcement and Compliance Assistance  
(3AP20)  
U.S. Environmental Protection Agency  
Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

#### 3.5.4. Operating Fee

- 3.5.4.1. In accordance with 45CSR30 – Operating Permit Program, the permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

- 3.5.5. **Emission inventory.** At such time(s) as the Secretary may designate, the permittee herein shall prepare and submit an emission inventory for the previous year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Division of Air Quality. After the initial submittal, the Secretary may, based upon the type and quantity of the pollutants emitted, establish a frequency other than on an annual basis.

#### 4.0. Source-Specific Requirements

##### 4.1. Limitations and Standards

##### 4.1.1. Natural Gas-Fired Boilers Limitations and Standards

The following table provides the nominal specifications of the boilers authorized to operate at the subject facility under Section 1.0. The boilers shall not exceed the specified Maximum Design Heat Input (MDHI), shall utilize the specified control device, shall combust only the specified fuels within the specified fuel consumption limits, and shall not exceed the specified maximum hours of operation:

ID No.	MDHI (MMBtu/hr)	Control Device	Maximum Annual Limits	
			Natural Gas (MM Ft <sup>3</sup> )	Hours of Operation
B-1	10.47	None	193.33*	None
B-2	6.10	None		None
Initial	5.50	None		None

\* - Aggregate usage limit for all boilers.

##### 4.1.2. Paint Spray Booths Limitations and Standards

Application of surface coatings in the paint spray booths listed in Table 1.0. shall be operated and maintained in accordance with the following:

- a. All spray guns shall be operated and maintained so as to achieve a minimum 80.0% transfer efficiency in the application of surface coating onto any substrate.
- b. The spray booths shall be designed, operated, and maintained with adequate negative pressure so as to capture 100.0% of overspray from the application of the surface coatings.
- c. Spray paint booth filters shall be installed, maintained, and operated so as to achieve a minimum efficiency of 78.0% in the control of particulate matter emissions.
- d. At least monthly, or on a schedule as recommended by the manufacturer, visual inspections of the spray guns, paint booths, and mat filters shall be made so as to ensure the achievement of the minimum transfer/capture/control efficiencies required above. The visual inspection shall be conducted so as to find any defect or deterioration in quality of the spray guns, paint booths, and mat filters that would cause or contribute to a reduction of the transfer/capture/control efficiency below the minimum required in this section. Upon detection of a defect or a deterioration in quality of any of the equipment, repair or replacement of the affected equipment shall take place prior to any further surface coating operations that utilize said affected equipment. A record of each visual inspection required above shall be maintained on site for a period of no less than three (3) years. Said records shall include, but not be limited to, the date, time, listing of equipment checked, the results of the check, what action(s), if any, was/were taken, and the name of the observer.
- e. Aggregate emissions from the paint spray booths and the electric curing ovens shall not exceed: 3.13 pounds per hour (lb/hr) or 5.22 tons per year (TPY) of Volatile Organic Compounds (VOCs); 1.72 lb/hr or 0.32 TPY of Hazardous Air Pollutants (HAPs); and 0.10 lb/hr or 0.03 TPY of Particulate Matter (PM).
- f. Emission points 70 and 71 are subject to the applicable limitations and standards under 45CSR7, as given below under (a) and (b).

- i. The permittee shall not cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from the emission points specified above, which is greater than twenty (20) percent opacity, except as noted under item ii. of this condition.  
[45CSR§7-3.1]
- ii. The provisions of item ii. of shall not apply to smoke and/or particulate matter emitted from the emission points specified above which is less than forty (40) percent opacity for any period or periods aggregating no more than five (5) minutes in any sixty (60) minute period.  
[45CSR§7-3.2]
- g. No coating or solvent containing any toxic air pollutant (TAP), as defined by West Virginia Legislative Rule 45CSR27, Section 2.10., shall be used without prior approval of the Director of the Division of Air Quality.

4.1.3. Solvent Use Limitations and Standards

The use of cleaning solvents (i.e. Valsol, Turco Aquasorb, or replacement solvent) shall be in accordance with the following requirements:

- a. The permittee shall use no more than 5,000 gallons of cleaning solvent on an annual basis.
- b. The permittee shall use no cleaning solvent with a VOC content in excess of 7.0 lb-VOC/gallon.
- c. No cleaning solvent containing any toxic air pollutant (TAP), as defined by West Virginia Legislative Rule 45CSR27, Section 2.10., shall be used without prior approval of the Director of the Division of Air Quality.
- d. Aggregate emissions from use of cleaning solvents shall not exceed 16.25 TPY of VOCs.

4.1.4. Plasma Spray Booths Limitations and Standards

Application of plasma spray (thermal spraying operations) in the plasma booths listed under Table 1.0. shall be in accordance with the following:

- a. All plasma guns shall be operated and maintained so as to achieve a minimum 70.0% transfer efficiency in the application of surface coating onto any substrate and shall have a maximum design application capacity of no greater than 8 lb-plasma (powder coating)/hour.
- b. The spray booths shall be designed, operated, and maintained with adequate negative pressure so as to capture 100.0% of overspray from the application of the surface coatings.
- c. The automatic plasma booth baghouse shall be installed, maintained, and operated so as to achieve a minimum efficiency of 99.99% in the control of particulate matter emissions. The manual plasma booth water curtain shall be installed, maintained, and operated so as to achieve a minimum efficiency of 95.00% in the control of particulate matter emissions.
- d. The permittee shall apply no more than 14,585 pounds of plasma materials per plasma booth on an annual basis.
- e. The permittee shall not use any plasma powder or additive that contains volatile organic HAP (VOHAP). The permittee is allowed to use plasma powder and/or additives that contain 100% metal HAPs, such as cadmium, chromium, lead, manganese, and nickel.
- f. At least monthly, or on a schedule as recommended by the manufacturer, perform visual inspections of the spray guns, plasma booths, baghouse filters, and water curtain shall be

made so as to ensure the achievement of the minimum transfer/capture/control efficiencies required above. The visual inspection shall be conducted so as to find any defect or deterioration in quality of the spray guns, paint booths, and mat filters that would cause or contribute to a reduction of the transfer/capture/control efficiency to below the minimums required in this section. Upon detection of a defect or a deterioration in quality of any of the equipment, repair or replacement of the affected equipment shall take place prior to any further surface coating operations that utilize said affected equipment. A record of each visual inspection required above shall be maintained on site for a period of no less than three (3) years. Said record shall include, but not be limited to, the date, time, listing of equipment checked, the results of the check, what action(s), if any, was/were taken, and the name of the observer.

- g. PM emissions from use of the manual plasma booth (Emission Point 65) shall not exceed 0.05 lb/hr or 0.11 TPY. Particulate Matter emissions from use of the robot plasma booth (Emission Point 65a) shall not exceed 0.01 lb/hr or 0.01 TPY. Aggregate HAP emissions from both plasma booths shall not exceed 0.09 lb/hr or 0.20 TPY.
- h. Emission points 65 and 65a are subject to the applicable limitations and standards under 45CSR7, as given below under (a) and (b).
  - i. The permittee shall not cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from the emission points specified above, which is greater than twenty (20) percent opacity, except as noted under 4.1.7.7.  
[45CSR§7-3.1]
  - ii. The provisions of item i. of this sub-condition shall not apply to smoke and/or particulate matter emitted from the emission points specified above which is less than forty (40) percent opacity for any period or periods aggregating no more than five (5) minutes in any sixty (60) minute period.  
[45CSR§7-3.2]

4.1.5. Engine Test Cells Limitations and Standards

The permittee is authorized to test the specific engines in the noted test cells as given under Table 4.1.5. The permittee has the authorization to test additional engines or a listed engine in a different test cell immediately provided the subject engine has emission rates (calculated using the same methodology as in the permit application) less than or equal to the highest emitting engines listed for each particular test cell under Table 4.1.5. Further, the permittee shall either submit documentation verifying no emissions increase pursuant to §45-13-5.13 or maintain such records pursuant to §45-13-5.14. Any additional engines or listed engines tested in a different cell shall count toward the total engine test limit under 4.1.5.a and shall be subject to all applicable monitoring, record-keeping, and reporting requirements.

**Table 4.1.5. Engine Test Cell Engine Authorization**

	Test Cell			
	1	3	5	6
Engine Type	PT6	PT6	15D PW305 PW530 PW535 PW545	PW530 PW545 305 306 307 308

- a. Each engine test cell shall not exceed 730 engine tests on an annual basis.
- b. Emissions from the engine test cells shall not exceed the annual limits set forth in the following tables:

Source	Emission Limit (TPY)				
	PM	NO <sub>x</sub>	CO	SO <sub>2</sub>	VOC
Test Cell 1	N/A	3.07	4.88	1.50	1.04
Test Cell 3	N/A	3.07	4.88		1.04
Test Cell 5	0.09	34.02	22.18		13.19
Test Cell 6	0.19	34.02	22.18		7.89

**4.1.6. Electroplating Cells Limitations and Standards**

The hard chrome electroplating operations shall be operated in accordance with all applicable requirements of 40 CFR 63, Subpart N and, as referenced therein, any additional requirements of 40 CFR 63. Pursuant to USEPA approval letters dated July 28, 2005 and October 20, 2005, the permittee shall maintain their emission elimination device (EED) on the hard chrome electroplating tank in accordance with the Operation and Maintenance Plan (as included in the permit application) and maintain records in accordance with the record-keeping provisions set forth in §63.346 and submit reports in accordance with the reporting requirements set forth in §63.347. In accordance with information in permit application R13-2679, no chromium or total PM emissions shall result from normal operation of the hard chrome electroplating tank.

**4.1.7. Metal Parts Cleaning**

The operation of metal cleaning tanks (vats) listed under Table 1.0. of this permit shall be conducted in accordance with the following:

- a. Annual usage of the following acids used for metal parts cleaning at the Bridgeport Facility shall be limited to the specified amounts: Hydrofluoric Acid (HF) - 150 Gallons, Hydrochloric Acid (HCl) - 1,500 gallons, Phosphoric Acid (H<sub>3</sub>PO<sub>4</sub>) - 1,680 gallons, Sulfuric Acid (H<sub>2</sub>SO<sub>4</sub>) - 1,660 gallons, Nitric Acid (HNO<sub>3</sub>) - 372 gallons.
- b. HAP emissions resulting from the cleaning of metal parts shall not exceed those in the following table:

<b>Table 4.1.7. b. Metal Parts Cleaning HAP Emission Limits</b>				
<b>HAP</b>	<b>A/A1 Scrubber 002</b>		<b>A/A2 Scrubber 004</b>	
	<b>lb/hr</b>	<b>TPY</b>	<b>lb/hr</b>	<b>TPY</b>
<b>HF</b>	0.01	0.01	--	--
<b>HCl</b>	0.02	0.08	0.01	0.03
<b>H<sub>2</sub>SO<sub>4</sub></b>	0.03	0.13	--	--
<b>HNO<sub>3</sub></b>	0.01	0.04	--	--

- c. Aggregate cyanide compounds emissions as emitted from Cyanide Scrubber exhaust (Scrubber 003) shall not exceed 0.11 lb/hr or 0.481 TPY.
- d. Scrubber A/A - 005 shall be operated and maintained in according with the following:
  - i. The pressure drop across the packed bed shall be 0.6 in w.c. or greater;
  - ii. Scrubbing liquor flow rated shall be 125 gpm or greater; and
  - iii. Fresh scrubber liquor shall be added to the system as needed to maintain proper operation according to manufacturer's specifications.

4.1.8. Miscellaneous Equipment/Processes Limitations and Standards

Use of the Emergency Generator listed in Table 1.0. shall be operated and maintained in accordance with the following:

- a. The Emergency Generator shall not exceed the specified nominal brake horsepower, shall combust only the specified fuels below the limited sulfur content, and shall not exceed the specified maximum hours of operation in the following table:

<b>Table 4.1.8.a: Emergency Generator Emission Limitations</b>				
<b>Source ID No.</b>	<b>Brake Horsepower</b>	<b>Fuel</b>	<b>Sulfur Content (%-by weight)</b>	<b>Maximum Hours of Operation</b>
G-1347	600	No. 2 Fuel Oil	0.05	500

- b. Maximum hourly and annual criteria pollutant emissions from the operation of G-1347 shall not exceed the limits as specified in the following table:

<b>Pollutant</b>	<b>pounds/hour</b>	<b>tons/year</b>
Carbon Monoxide (CO)	4.01	1.00
Oxides of Nitrogen (NO <sub>x</sub> )	18.60	4.65
Particulate Matter (PM)	1.32	0.33
Particulate Matter less than 10 microns (PM <sub>10</sub> )	1.32	0.33
Sulfur Dioxide (SO <sub>2</sub> )	1.23	0.31
Volatile Organic Compounds (VOCs)	1.48	0.37

- 4.1.9. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.  
[45CSR§13-5.11.]

#### 4.2. Monitoring Requirements

- 4.2.1. For the purposes of demonstrating compliance with maximum natural gas usage limit set forth in 4.1.1., the permittee shall maintain monthly and twelve-month rolling total of the amount of natural gas that is consumed by the boilers.
- 4.2.2. For the purposes of determining on going compliance with the emission limits set forth in 4.1.2.e., the permittee shall comply with the following:
- a. The permittee shall maintain records of the following:
    - i. The name and volume (in gallons) of each coating or solvent (referred to hereafter as “material”), as applied or used, on a monthly basis; and
    - ii. The mass of VOC, HAP, and solids per volume of each material, as applied or used, on a monthly basis.

An example form for recording this information is included as Attachment A.

Additionally, within fifteen (15) days of the last day of each month, the permittee shall certify a summary report that contains the following information: hourly, monthly, and rolling 12-month emission rates for VOCs, aggregate and HAPs, and PM from the application of surface coatings/thinner, and hours of operation of the application of surface coatings at the facility. An example summary form is included as Attachment B.

For the purposes of this permit, “material” shall be defined as any VOC/HAP-containing surface coating, thinner, or clean-up solvent used in the operation of the spray booths or on products that have been, or shall be, subject to surface coating within the spray booth.

b. The following formulas shall be used to determine the quantities specified in above sub-condition (4.2.2.a.).

i. The mass of VOCs, HAPs, and solids *per volume* (in pounds per gallon) of each material shall be determined by one of the following methods:

1. Certified Product Data Sheets provided by the material supplier, or
2. 40 CFR 60, Appendix A, Method 24.

ii. The mass of VOCs, HAPs, and solids of each material, as applied, on a monthly basis, shall be calculated using the following formula:

$$\text{Mass}(\text{pounds of VOCs, HAPs, or Solids/Month}) = A * B$$

Where: A = monthly material usages in gallons per month

B = VOCs, HAPs, or Solids content of the materials used in pounds per gallon as determined under 4.2.2(b) above.

iii. The annual, monthly, and hourly emission rates of VOCs and aggregate and HAPs shall be calculated in the following manner:

1. The annual emission rate of VOCs and HAPs shall be calculated as the sum of the monthly emission rates of VOCs and aggregate and HAPs, respectively, from the previous twelve (12) months.
2. The monthly emission rate of VOCs and HAPs shall be calculated as the mass of VOCs and aggregate HAPs (as calculated above in 4.2.2(b)(2)), as applied, for the specified month.

Where: C = Mass(pounds of Solids/Month)

TE = Estimated Minimum Transfer Efficiency of Surface Coating Operations (specified to be 80% under 4.1.2.1)

CapEff = Estimated Minimum Capture Efficiency of Spray Booths (specified to be 100% under 4.1.2.1)

ConEff = Estimated Minimum Control Efficiency of Mat Filters (specified to be 78% under 4.1.2.1)

3. The hourly emission rates of VOCs and HAPs shall be calculated, on a monthly basis, using the following formula:

$$\text{Emission rate}(\text{pounds of PM/Hour}) = C/D$$

Where: C = Mass(pounds of Solids/Month)

D = Monthly hours of surface coating operations

- 4.2.3. For the purpose of determining compliance with the opacity limits of 45CSR7, the permittee shall conduct visible emission checks and/or opacity monitoring and record-keeping for emission points 70, 71, 65, and 65a according to the following provisions:
- a. The visible emission check shall determine the presence or absence of visible emissions. At a minimum, the observer must be trained and knowledgeable regarding the effects of background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor) on the visibility of emissions. This training may be obtained from written materials found in the References 1 and 2 from 40CFR Part 60, Appendix A, Method 22 or from the lecture portion of the 40CFR Part 60, Appendix A, Method 9 certification course.
  - b. Visible emission checks shall be conducted at least once per each quarter of a calendar year. These checks shall be performed at each source (stack, transfer point, fugitive emission source, etc.) for a sufficient time interval, but no less than one (1) minute, to determine if any visible emissions are present. Visible emission checks shall be performed during periods of normal source operation and appropriate weather conditions.
  - c. If visible emissions are present at a source(s) for two (2) consecutive quarterly checks, the permittee shall conduct an opacity reading at that source(s) using the procedures and requirements of Method 9 as soon as practicable, but within seventy-two (72) hours of the final visual emission check. A Method 9 observation at a source(s) restarts the count of the number of consecutive readings with the presence of visible emissions.
- 4.2.4. For the purpose of determining compliance with Condition 4.1.3., the permittee shall comply with the following:
- a. The permittee shall maintain records of the following:
    - i. The name and volume (in gallons) of each cleaning solvent used on a monthly basis and twelve-month rolling total; and
    - ii. The VOC content (in terms of lb-VOC/gallon) of all cleaning solvents used 4.2.2.b.i. (as determined by the methodology under 4.2.2.bi.).
- 4.2.5. For the purpose of determining compliance with 4.1.4.d and 4.1.4.1.e., the permittee shall comply with the following:
- a. The permittee shall maintain records of the following:
    - i. The name and mass (in pounds) of each plasma material used on a monthly basis and twelve-month rolling total; and
    - ii. The HAP contents (in % by weight) of all plasma materials used as determined on the Material Safety and Data Sheets.
- 4.2.6. For the purposes of demonstrating compliance with the engine test requirements under 4.1.5., the permittee shall maintain monthly records and twelve-month rolling totals of the number and types of engines tested for each engine test cell.
- 4.2.7. For the purposes of determining compliance with the maximum sulfur content limits set forth in 4.1.5.b., the applicant shall, at a minimum, obtain from the fuel (Jet A) supplier, the specification sheet for each load of Jet A fuel received for documentation of the sulfur content of the fuel supplied. An alternative means of determining compliance with 4.1.5.b. shall be subject to prior approval from the Director.

- 4.2.8. For the purpose of determining compliance with 4.1.7.a., the permittee shall maintain records of the amount of HCl, HF, H<sub>3</sub>PO<sub>4</sub>, H<sub>2</sub>SO<sub>4</sub>, and HNO<sub>3</sub> used on a monthly basis and twelve-month rolling total.
- 4.2.9. For the purposes of determining compliance with the maximum hours of operation limit set forth in 4.1.7.1, the permittee shall maintain daily and monthly records of the hours of operation of the emergency generator.
- 4.2.10. For the purposes of determining compliance with the maximum sulfur content limits set forth in 4.1.8.a., the applicant shall, at a minimum of once per calendar year, obtain from the No. 2 fuel oil supplier a certification of the sulfur content of the fuel supplied. An alternative means of determining compliance with 4.1.8.a. shall be subject to prior approval from the Director.
- 4.2.11. For the purpose of determining compliance with the operating limits set forth in 4.1.7.d., the permittee shall monitor and record the pressure drop and the liquor flow for scrubber 005. The permittee shall install and maintain a device(s) that continuously measures the pressure drop across the packed bed and the liquor flow rate. Readings shall be recorded no less than once per operating day.
- 4.2.12. For the purpose of determining compliance the limits of 4.1.6., the permittee monitor and record the pressure drop and the velocity pressure at the inlet for scrubber 001. The permittee shall install and maintain a device(s) that continuously measures the pressure drop across the packed bed and the velocity pressure at the inlet. Readings shall be recorded no less than once per operating day.
- 4.2.13. All records required by conditions under this sub-section (4.2) shall be maintained in accordance with 3.4.1. of this permit.

### 4.3. Testing Requirements

*[Reserved]*

### 4.4. Recordkeeping Requirements

- 4.4.1. **Record of Monitoring.** The permittee shall keep records of monitoring information that include the following:
  - a. The date, place as defined in this permit, and time of sampling or measurements;
  - 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 the analyses; and
  - f. The operating conditions existing at the time of sampling or measurement.
- 4.4.2. **Record of Maintenance of Air Pollution Control Equipment.** For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

For each such case associated with an equipment malfunction, the additional information shall also be recorded:

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

#### 4.5. Reporting Requirements

*[Reserved]*



**APPENDIX B - EXAMPLE DATA FORM**

**SPRAY BOOTH EMISSIONS SUMMARY REPORT (1)**

Month, Year \_\_\_\_\_ Date Filed \_\_\_\_\_

*Per Month VOC/PM Emission Rates<sup>(1)(2)</sup> (SPECIFIC REQUIREMENTS xxx)*

Process	Monthly Operating Hours	Monthly VOCs (tons)	Average Hourly VOC (lb/Hr)	12-month Rolling Total (tons)	Monthly PM (pounds)	Average Hourly PM (lb/Hr)	12-month Rolling Total (tons)
Surface Coating							
<b>Permit Limits</b>	<i>n/a</i>	<i>n/a</i>	<b>3.13</b>	<b>5.22</b>	<i>N/a</i>	<b>0.10</b>	<b>0.03</b>

*Per Month HAP Emission Rates<sup>(1)(2)</sup> (SPECIFIC REQUIREMENTS XXX)*

Process	Monthly Operating Hours	Monthly HAPs (tons)	Average Hourly HAP (lb/Hr)	12-month Rolling Total (tons)
Surface Coating				
<b>Permit Limits</b>	<i>n/a</i>	<i>n/a</i>	<b>1.72</b>	<b>0.32</b>

Note: (1) Hourly emission rates shall be calculated as monthly emission rates divided by the hours of operation.  
 (2) Emission Rates should reflect any applicable control devices (and associated control efficiencies).

### CERTIFICATION OF DATA ACCURACY

I, the undersigned, hereby certify that, based on information and belief formed after reasonable inquiry, all information contained in the attached \_\_\_\_\_, representing the period beginning \_\_\_\_\_ and ending \_\_\_\_\_, and any supporting documents appended hereto, is true, accurate, and complete.

Signature<sup>1</sup> \_\_\_\_\_  
(please use blue ink) Responsible Official or Authorized Representative Date

Name & Title \_\_\_\_\_  
(please print or type) Name Title

Telephone No. \_\_\_\_\_ Fax No. \_\_\_\_\_

<sup>1</sup> This form shall be signed by a "Responsible Official." "Responsible Official" means one of the following:

- a. For a corporation: The president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:
  - (i) the facilities employ more than 250 persons or have a gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars), or
  - (ii) the delegation of authority to such representative is approved in advance by the Director;
- b. For a partnership or sole proprietorship: a general partner or the proprietor, respectively;
- c. For a municipality, State, Federal, or other public entity: either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of U.S. EPA); or
- d. The designated representative delegated with such authority and approved in advance by the Director.