

*West Virginia Department of Environmental Protection*

*Division of Air Quality*

*Jim Justice  
Governor*

*Austin Caperton  
Cabinet Secretary*

# Permit to Modify



**R13-1244F**

*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 facility listed below is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.*

Issued to:  
**Goodrich Corporation**  
**Union**  
**063-00001**

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*William F. Durham  
Director*

*Issued: Draft • Effective Date: Draft*

This permit will supercede and replace Permit R13-1244E.

Facility Location: Union, Monroe County, West Virginia

Mailing Address: HC 75 Box 1, Union, WV 24983

Facility Description: Fabricated rubber products.

SIC Codes: 3069

UTM Coordinates: 4163.836 km Easting • 541.607 km Northing • Zone 17

Permit Type: Modification

Description of Change:

The purpose of this permit is to remove 40 CFR 60 Subpart Dc language, revise 45 CSR 2 language, and add 40 CFR 60 Subpart ZZZZ language.

*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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*As a result of the granting of this permit, the source is a nonmajor source subject to 45CSR30. The permittee shall apply for a Title V (45CSR30) permit in accordance with the requirements of 45CSR30 unless granted a deferral or exemption by the Director from such filing deadline pursuant to a request from the permittee.*

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### 1.0 Emission Units

Emission Point ID	Emission Unit ID	Emission Unit Description	Control Device ID	Control Device
35E	40S	Spray Booth #5	5C	Filter
36E	41S	Spray Booth #6	6C	Filter
37E	42S	Downdraft Table #1	None	None
38E	43S	Downdraft Table #2	None	None
1E	1S	Spray Booth #1	1C	Filter
2E	2S	Spray Booth #2	2C	Filter
6E	10S	#8 Autoclave	None	None
9E	13S	#5 Autoclave	None	None
10E	14S	Laser Brander Elastomerics	None	None
32E	19S	Walk-In Electric Oven	None	None
4E	20S	Photoresist Laminator	WS1	Wet Scrubber
13E	23S	Solder Unit, Drag Type	None	None
13E	24S	Solder Unit, Wave Type	None	None
13E	25S	Varnish Hood for Circuit Boards	None	None
14E	26S	Conformal Coating Hood	None	None
15E	107S	Spray Booth/Hood - Mold Releases Aerosol cans	None	None
25E	38S	Spray Booth #4	4C	Filter
4E	39S	Copper Etch Lines #3, #4, and #5	None	Wet Scrubber
39E	44S	Laser Brander Heated Elastomerics	None	None
40E	45S	Laser Brander Composites	None	None
20E	50S	#7 Autoclave	None	None
21E	52S	Natural Gas Walk-In Oven	None	None
26E	56S	#1 Spray Booth Drying Room	None	None
30E	60S	Lab Hood Etch Dept.	None	None
31E	61S	Quality Assurance Lab Vent	None	None
33E	62S	SHP Brazing & Soldering Vent	None	None

### 1.0 Emission Units

Emission Point ID	Emission Unit ID	Emission Unit Description	Control Device ID	Control Device
Fugitive	63S	SHP Brazing & Soldering	None	None
41E	67S	Room Air Exhaust Ventilating Units	None	None
42E	68S	Brazing Units for Heated Elastomerics Dept.	None	None
43E	69S	Lab Hood Vents for Heated Elastomeric Dept.	None	None
44E	70S	#9 Autoclave	None	None
45E	71S	#10 Autoclave	None	None
49E	75S	9.757 MMBTU/hr Natural Gas Boiler	None	None
50E	76S	#3 Walk In Oven	None	None
51E	77S	#12 Autoclave	None	None
46E	78S	Nozzle Dip	None	None
Fugitive	89S	Hand Soldering, Dept. 57	None	None
55E	90S	2 Routers with Baghouse	B1	Baghouse
5E	93S	Etch Room Dip Tanks (3 Units)	None	None
4E	94S	Steel Etch Lines #1, #2	WS1	Wet Scrubber
4E	95S	Developer	WS1	Wet Scrubber
4E	96S	Stripper	WS1	Wet Scrubber
42E	97S	Soldering Pots	None	None
42E	98S	Soldering Machines (table)	None	None
42E	99S	Soldering Machines (Build tables)	None	None
42E	100S	Acid Cleaning	None	None
42E	101S	Oven at Brazing	None	None
57E	103S	Winding Machine	None	None
58E	105S	Tectra Etch Booth	None	None
59E	106S	Tectra Etch Waste Drum exhaust	None	None
63E	113S	Emergency Diesel CI fire pump 172hp	None	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 (45 CSR § 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>CAA</b> Clean Air Act Amendments	diameter
<b>CB</b> Confidential Business Information	<b>PM<sub>10</sub></b> Particulate Matter less than 10µm in diameter
<b>CEM</b> Continuous Emission Monitor	<b>Ppb</b> Pounds per Batch
<b>CES</b> Certified Emission Statement	<b>pph</b> Pounds per Hour
<b>C.F.R. or CFR</b> Code of Federal Regulations	<b>ppm</b> Parts per Million
<b>CO</b> Carbon Monoxide	<b>Ppmv or</b> Parts per million by volume
<b>C.S.R. or CSR</b> Codes of State Rules	<b>PSD</b> Prevention of Significant Deterioration
<b>DAQ</b> Division of Air Quality	<b>psi</b> Pounds per Square Inch
<b>DEP</b> Department of Environmental Protection	<b>SIC</b> Standard Industrial Classification
<b>dscm</b> Dry Standard Cubic Meter	<b>SIP</b> State Implementation Plan
<b>FOIA</b> Freedom of Information Act	<b>SO<sub>2</sub></b> Sulfur Dioxide
<b>HAP</b> Hazardous Air Pollutant	<b>TAP</b> Toxic Air Pollutant
<b>HON</b> Hazardous Organic NESHAP	<b>TPY</b> Tons per Year
<b>HP</b> Horsepower	<b>TR</b> Total Reduced Sulfur
<b>lbs/hr</b> Pounds per Hour	<b>TSPT</b> Total Suspended Particulate
<b>LDAR</b> Leak Detection and Repair	<b>USEPA</b> United States Environmental Protection Agency
<b>M</b> Thousand	<b>UTM</b> Universal Transverse Mercator
<b>MACT</b> Maximum Achievable Control Technology	<b>VEE</b> Visual Emissions Evaluation
<b>MDHI</b> Maximum Design Heat Input	<b>VOC</b> Volatile Organic Compounds
<b>MM</b> Million	<b>VOL</b> Volatile Organic Liquids
<b>MMBtu/hr or</b> Million British Thermal Units	
<b>mmbtu/hr</b> per Hour	
<b>MMCF/hr or</b> Million Cubic Feet per Hour	
<b>mmcf/hr</b>	
<b>NA</b> Not Applicable	
<b>NAAQS</b> National Ambient Air Quality Standards	
<b>NESHAPS</b> National Emissions Standards for Hazardous Air Pollutants	
<b>NO<sub>x</sub></b> Nitrogen Oxides	
<b>NSPS</b> New Source Performance Standards	
<b>PM</b> Particulate Matter	
<b>PM<sub>2.5</sub></b> Particulate Matter less than 2.5µm in diameter	

### **2.3. Authority**

This permit is issued in accordance with West Virginia Air Pollution Control Law 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 supercedes and replaces previously issued Permit R13-1244, R13-1244A, R13-1244B, R13, 1344C, R13-1244D, R13-1244E, and R13-1244F. 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 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 R13-1244, R13-1244A, R13-1244B, R13-1244C, R13-1244D and CO-R34-98-31 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 13-10.3]**
- 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;
- 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 not 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 emission, 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§15]
- 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 45 C.S.R. 11.  
[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.

[WV Code § 22-5-4(a)(15)]

### **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 57th Street, SE  
Charleston, WV 25304-2345

**DAQ Compliance and Enforcement<sup>1</sup>:**  
[DEPAirQualityReports@wv.gov](mailto:DEPAirQualityReports@wv.gov)

**If to the USEPA:**

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

<sup>1</sup>For all self-monitoring reports (MACT, GACT, NSPS, etc.), stack tests and protocols, Notice of Compliance Status Reports, Initial Notifications, etc.

3.5.4. **Operating Fee.**

- 3.5.4.1. In accordance with 45CSR22 – Air Quality Management Fee Program, the permittee shall not operate nor cause to operate the permitted facility or other associated facilities on the same or contiguous sites comprising the plant without first obtaining and having in current effect a Certificate to Operate (CTO). Such Certificate to Operate (CTO) shall be renewed annually, shall be maintained on the premises for which the certificate 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. Maximum emissions to the atmosphere from the facility shall not exceed the following:

Pollutant	Annual Emissions (ton/year)
Total VOC's	90
Total HAP's	22.5
Any Single HAP	9
Specific HAPs	
Hexane	9
Methyl Ethyl Ketone	9
Toluene	9
Methyl Chloroform	9
Xylenes	9

4.1.2. Filters shall be installed, maintained, and operated so as to achieve a minimum efficiency of 97% in the control of particulate matter emissions from each spray paint booth.

4.1.3. A 239 hp, 9.8 MMBTU/hr heat input boiler (ID 49E) may be utilized. The permitted boiler shall only use natural gas as a fuel source.

4.1.4. Use of any surface coating containing any constituent identified in Section 112(b) of the 1990 Clean Air Act Amendments as a HAP that is specified in Section 4.1.1, or any other HAP exceeding five (5) tons per year shall comply with Sections 4.2.1, 4.3.4, and 4.4.1.

4.1.5. For Boiler (75S), the requirements of 45CSR2 that are applicable include, but are not limited to, the following:

§45-2-3.1

No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any fuel burning unit which is greater than ten (10) percent opacity based on a six minute block average.

4.1.6. The permitted facility shall comply with all provisions of 45CSR4. The principal provisions of 45CSR4 are as follows:

§45-4-2.6.

"Objectionable Odor" means in addition to odors generally recognized as being objectionable, an odor shall be deemed objectionable when in the opinion of a duly authorized representative of the Director, based upon his investigations or his investigations and complaints, such odor is objectionable.

§45-4-3.1.

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.

- 4.1.7. The permitted facility shall comply with all provisions of 45CSR7 provided, however, that compliance with any more stringent requirements under Section 4.1. of this permit shall also be demonstrated. The principal provisions of 45CSR7 are as follows:

§45-7-3.1

No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any process source operation which is greater than twenty (20) percent opacity, except as noted in subsections 3.2, 3.3, 3.4, 3.5, 3.6, and 3.7

§45-7-3.7

No person shall cause, suffer, allow or permit visible emissions from any storage structure(s) associated with any manufacturing process(es) that pursuant to subsection 5.1 is required to have a full enclosure and be equipped with a particulate matter control device.

§45-7-4.1

No person shall cause, suffer, allow or permit particulate matter to be vented into the open air from any type source operation or duplicate source operation, or from all air pollution control equipment installed on any type source operation or duplicate source operation in excess of the quantity specified under the appropriate source operation type in Table 45-7A found at the end of this rule.

§45-7-5.1

No person shall cause, suffer, allow or permit any manufacturing process or storage structure generating fugitive particulate matter to operate that is not equipped with a system, which may include, but not be limited to, process equipment design, control equipment design or operation and maintenance procedures, to minimize the emissions of fugitive particulate matter. To minimize means such system shall be installed, maintained and operated to ensure the lowest fugitive particulate matter emissions reasonably achievable.

§45-7-5.2

The owner or operator of a plant shall maintain particulate matter control of the plant premises, and plant owned, leased or controlled access roads, by paving, application of asphalt, chemical dust suppressants or other suitable dust control measures. Good operating practices shall be implemented and when necessary particulate matter suppressants shall be applied in relation to stockpiling and general material handling to minimize particulate matter generation and atmospheric entrainment.

§45-7-8.1

At such reasonable times as the Director may designate, the operator of any manufacturing process source operation may be required to conduct or have conducted stack tests to determine the particulate matter loading in exhaust gases. Such tests shall be conducted in such manner as the Director may specify and be filed on forms and in a manner acceptable to the Director. The Director, or his duly authorized representative, may at his option witness or conduct such stack tests. Should the Director exercise his option to conduct such tests, the operator will provide all the necessary sampling connections and sampling ports to be located in such manner as the Director 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.

§45-7-8.2

The Director, or his duly authorized representative, may conduct such other tests as he or she may deem necessary to evaluate air pollution emissions.



§45-7-9.1

Due to unavoidable malfunction of equipment, emissions exceeding those set forth in this rule may be permitted by the Director for periods not to exceed ten (10) days upon specific application to the Director. Such application shall be made within twenty-four (24) hours of the malfunction. In cases of major equipment failure, additional time periods may be granted by the Director provided a corrective program has been submitted by the owner or operator and approved by the Director.

- 4.1.8. The pertinent sections of 45CSR13 applicable to this facility include, but are not limited to, the following:

§45-13-6.1

At the time a stationary source is alleged to be in compliance with an applicable emission standard and at reasonable times to be determined by the Secretary thereafter, appropriate tests consisting of visual determinations or conventional in-stack measurements or such other tests the Secretary may specify shall be conducted to determine compliance.

§45-13-10.2

The Secretary may suspend or revoke a permit if, after six (6) months from the date of issuance, the holder of the permit cannot provide the Secretary, at the Secretary's request, with written proof of a good faith effort that construction, modification, or relocation, if applicable, has commenced. Such proof shall be provided not later than thirty (30) days after the Secretary's request. If construction or modification of a stationary source is discontinued for a period of eighteen (18) months or longer, the Secretary may suspend or revoke the permit.

§45-13-10.3

The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based or the conditions established in the permit are not adhered to. Upon notice of the Secretary's intent to suspend, modify or revoke a permit, the permit holder may request a conference with the Secretary in accordance with the provisions of W.Va Code § 22-5-5 to show cause why the permit should not be suspended, modified or revoked.

- 4.1.9. Reserved

- 4.1.10. **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.]**

- 4.1.11. The Backup Diesel Fire Pump (113S) shall comply with the following:
- Change oil and filter every 500 hours of operation or annually, whichever comes first;<sup>1</sup>
  - Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
  - Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

**[40CFR§60.6603(a) and Table 2(d)(4)]**

- 4.1.12. You must use diesel fuel that meets the requirements in 40CFR§80.510(b) for nonroad diesel fuel.

**[40CFR§60.6604(b)]**

- 4.1.13. The Backup Diesel Fire Pump (113S) shall comply with the following:

- a. You must operate and maintain the engine's after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
- b. You must install a non-resettable hour meter.
- c. You must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate an safe loading of the engine, not to exceed 30 minutes.
- d. You have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Condition 4.1.11(a). The oil analysis must be performed at the same frequency specified for changing the oil in Condition 4.1.11(a). The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

**[40CFR§60.6625(e), (f), (h), and (I)]**

- 4.1.14. The Backup Diesel Fire Pump (113S) shall comply with the following:
- a. The Permittee shall be in compliance with the operating limitations and other requirements that apply at all times for the engine.
  - b. At all times you must operate and maintain the engine, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

**[40CFR§60.6605]**

- 4.1.15. The Backup Diesel Fire Pump (113S) shall comply with the following:
- a. Operate and maintain the engine according to the manufacturer's emission-related operation and maintenance instructions; or develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
  - b. You must report each instance in which you did not meet the operating limitations in Condition 4.1.11. These instances are deviations from the operating limitations in Condition 4.1.11. These deviations must be reported according to the requirements in Condition 4.4.4.
  - c. You must operate the engine according to the requirements in paragraphs (c)(1) through (3) of this Condition. In order for the engine to be considered an emergency stationary RICE, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (c)(1) through (3) of this Condition, is prohibited. If you do not operate the engine according to the requirements in paragraphs (c)(1) through (3) of this Condition, the engine will not be considered an emergency engine under 40CFR60, Subpart ZZZZ and must meet all requirements for

non-emergency engines.

- (1) There is no time limit on the use of emergency stationary RICE in emergency situations.
- (2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (c)(2)(I) through (iii) of this Condition for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (c)(4) of this Condition counts as part of the 100 hours per calendar year allowed by this paragraph (c)(2).
  - (I) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.
  - (ii) Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.
  - (iii) Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.
- (3) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (c)(2) of this Condition.
  - (I) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:
    - (A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.
    - (B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.
    - (C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.
    - (D) The power is provided only to the facility itself or to support the local transmission and distribution system.

- (E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

[40CFR§60.6640(a),(b), (f)(1), (2), and (4), and Table 6(9)]

## 4.2. Monitoring Requirements

- 4.2.1. To determine compliance with Section 4.1., the "raw materials" that are used at this facility shall be monitored. The degree of monitoring depends on whether the corresponding pollutant exceeds 50% of the major source threshold. Monitoring of material usage and composition will differ depending on the composition of the material and the corresponding emissions.

### Pollutant Less than 50% of the Major Source Threshold

The following represents a current listing of materials that will be monitored through monthly purchase records:

- (1) Rubber, plastic, epoxy prepeg sheets; (2) Acids, caustics, and other solutions for stripping, pickling, and etching; (3) Mineral Spirits; (4) Naphtha.

### Pollutant More than 50% of the Major Source Threshold

The following represents a current listing of materials that will be monitored through monthly usage records if specific material usage is greater than 50 gallons/year, otherwise monthly purchase records will be sufficient:

- (1) Naphtha/isopropyl acetate mixture; (2) Methyl Ethyl Ketone; (3) Hexane;  
(4) Miscellaneous Other Solvents; (5) Adhesives and Cements; (6) Coatings;  
(7) Primers; (8) Topcoats; (9) Conformal Coating; (10) Miscellaneous Other Coatings.

For materials not listed or categorized above, monthly usage records shall be maintained unless annual purchases are less than 50 gallons/year, in which case annual purchase records will be sufficient. If the material contains no hazardous air pollutants, only annual purchase records shall be maintained and made available to the Director upon request.

- 4.2.2. Reserved

## 4.3. Recordkeeping Requirements

- 4.3.1. **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.

- 4.3.2. **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.
- 4.3.3. **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.
- 4.3.4. The permittee shall comply with the following recordkeeping requirements:

Pollutant Less than 50% of the Major Source Threshold

Purchase records shall establish an average monthly usage of materials by taking annual purchases and dividing by twelve (12).

Pollutant More than 50% of the Major Source Threshold

Maintain monthly usage records of the material used if greater than 50 gallons/year, otherwise annual purchase records will be sufficient. These monthly usage records shall consist of the following information: (1) Name of material; (2) Manufacturer ID Number of Material; (3) Amount Dispensed for Use; (3) Amount Disposed; (4) Net Usage of Material.

- 4.3.5. For the purposes of this permit, compliance with all annual emission limits shall be determined using a rolling yearly total. A rolling yearly total shall mean the sum of the specified quantity at any given time for the previous twelve (12) consecutive calendar months.
- 4.3.6. Compliance with the opacity requirements of Condition 4.1.5 shall be shown by the following:  
§45-2A-7.1.a.  
The owner or operator of a fuel burning unit(s) shall maintain records of the operating schedule, and the quality and quantity of fuel burned in each fuel burning unit as specified in paragraph 7.1.a.1.
- 4.3.7. Reserved
- 4.3.8. Reserved
- 4.3.9. Reserved

4.3.10. Reserved

4.3.11. The Backup Diesel Fire Pump (113S) shall comply with the following:

(a) If you must comply with the operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5) of this Condition.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in §63.10(b)(2)(xiv).

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(3) Records of performance tests and performance evaluations as required in §63.10(b)(2)(viii).

(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(b) Reserved

© Reserved

(d) You must keep the records required in Condition 4.1.15(a) to show continuous compliance with each operating limitation that applies to you.

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device.

(f) You must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in §63.6640(f)(2)(ii) or (iii) or §63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

**[40CFR§60.6655]**

#### **4.4. Reporting Requirements**

4.4.1. The permittee shall comply with the following reporting requirements:

Pollutant Less than 50% of the Major Source Threshold

Based on purchase records and usage records an annual emissions inventory shall be produced and made available to the Director upon request. The annual inventory shall contain the following: (1) Year of calculation (Annual inventory shall be done on or before March 01 for the prior calendar year); (2) Total of each criteria pollutant emitted; (3) Total HAP's emitted; (4) Single HAP's emitted over 100 lbs.

The emissions calculations will be done using the appropriate calculation methodology described in Appendix A.

Pollutant More than 50% of the Major Source Threshold

Based on both purchase records and usage records, a monthly emissions summary shall be produced and made available to the Director upon request that contains the following information: (1) Month of calculation; (2) Total HAP's emitted; (3) Single HAP's emitted over 100 lbs; (4) Rolling 12-month sum of total HAP's; (5) Rolling 12-month sum for any single HAP over 1200 lbs; (6) Rolling 12-month sum of each criteria pollutant emitted over 1200 lbs.

The emissions calculations will be done using the appropriate calculation methodology described in Appendix A.

4.4.2. Reserved

4.4.3. Reserved

4.4.4. The Backup Diesel Fire Pump (113S) shall comply with the following:

If you own or operate an emergency stationary RICE with a site rating of more than 100 brake HP that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §63.6640(f)(2)(ii) and (iii) or that operates for the purpose specified in §63.6640(f)(4)(ii), you must submit an annual report according to the requirements in paragraphs (h)(1) through (3) of this section.

(1) The report must contain the following information:

(I) Company name and address where the engine is located.

(ii) Date of the report and beginning and ending dates of the reporting period.

(iii) Engine site rating and model year.

(iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.

(v) Hours operated for the purposes specified in §63.6640(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in §63.6640(f)(2)(ii) and (iii).

(vi) Number of hours the engine is contractually obligated to be available for the purposes specified in §63.6640(f)(2)(ii) and (iii).

(vii) Hours spent for operation for the purpose specified in §63.6640(f)(4)(ii), including the date, start time, and end time for engine operation for the purposes specified in §63.6640(f)(4)(ii). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(viii) If there were no deviations from the fuel requirements in §63.6604 that apply to the engine (if any), a statement that there were no deviations from the fuel requirements during the reporting period.

(ix) If there were deviations from the fuel requirements in §63.6604 that apply to the engine (if any), information on the number, duration, and cause of deviations, and the corrective action

taken.

(2) Reserved

(3) The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in §63.13.

**[40CFR§60.6650(h)]**

#### **4.5. Testing Requirements**

4.5.1.. Reserved



### APPENDIX A Calculation Methodology

The following is a list of calculation methodologies that shall be used to fulfill the reporting requirements of Permit R13-1244D. Changes to these methodologies must be submitted to and approved by the Director prior to their implementation. These calculations are for volatile organic compounds and hazardous air pollutants only.

Process Type	Emission Type	Method of Calculation
Assembly / Metal Fabricating	Particulate HAPs	Emission Factor (lbs/hr) x Hours of Operations (hrs/month)
Metal Processing / Treatment	Particulate HAPs	Emission Factor (lbs/hr) x Hours of Operation (hrs/month) + Emission Factor (lbs/hr) x Hours of Mixing (hrs/month)
General Plant Processing (Cementing & Solvent Cleaning)	Volatile HAPs VOC	HAP Content (lbs/gal) x Net Material Usage (gal/month)* VOC Content (lbs/gal) x Material Usage (gal/month)* * Net Material Usage = Material Usage x (1 - Waste Factory); Waste Factory = 0.15
Coating Operations (Paint Spray Booths)	Particulate HAPs  Volatile HAPs VOC	HAP Content (lbs HAP/gal of material) x Net Material Usage*(gal/month) x (1 - Fallout Fraction)** x (1 - Filter Efficiency) *Net Material Usage = Material Usage x (1 - Waste Factory); Waste Factory = 0.10 **(1 - Fallout Fraction) = (1 - Transfer Efficiency) x (1 - Deposits on Floor); (1 - 0.92 = 0.08) HAP Content (lbs/gal) x Net Material Usage (gal/month)* VOC Content (lbs/gal) x Material Usage (gal/month)*
Abrasive Blast	Particulate HAPs	Emission Factor (lb/hr) x Hours of Operation (hrs/month)
Soldering	Particulate HAPs	Emission Factor (lbs/lbs of material used) x Material Used (ie solder) (lbs/month)

### 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 and 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 USEPA); or
  - d. The designated representative delegated with such authority and approved in advance by the Director.