

## Air Quality

### PERMIT TO CONSTRUCT

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|                          |                                            |
|--------------------------|--------------------------------------------|
| <b>Permittee</b>         | Schweitzer Engineering Laboratories, Inc   |
| <b>Permit Number</b>     | P-2022.0008                                |
| <b>Project ID</b>        | 63632                                      |
| <b>Facility ID</b>       | 057-00061                                  |
| <b>Facility Location</b> | 2615 South Main Street<br>Moscow, ID 83843 |

### Permit Authority

This permit (a) is issued according to the “Rules for the Control of Air Pollution in Idaho” (Rules), IDAPA 58.01.01.200–228; (b) pertains only to emissions of air contaminants regulated by the State of Idaho and to the sources specifically allowed to be constructed or modified by this permit; (c) has been granted on the basis of design information presented with the application; (d) does not affect the title of the premises upon which the equipment is to be located; (e) does not release the permittee from any liability for any loss due to damage to person or property caused by, resulting from, or arising out of the design, installation, maintenance, or operation of the proposed equipment; (f) does not release the permittee from compliance with other applicable federal, state, tribal, or local laws, regulations, or ordinances; and (g) in no manner implies or suggests that the Idaho Department of Environmental Quality (DEQ) or its officers, agents, or employees assume any liability, directly or indirectly, for any loss due to damage to person or property caused by, resulting from, or arising out of design, installation, maintenance, or operation of the proposed equipment. Changes in design, equipment, or operations may be considered a modification subject to DEQ review in accordance with IDAPA 58.01.01.200–228.

**Date Issued** January 26, 2026



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**Nachammai Vairavan, Permit Writer**



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**Mike Simon, Air Quality Division Administrator**

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# 1 Permit Scope

## Purpose

- 1.1 This is a modified permit to construct (PTC) to adjust the scrubbing media pH to be greater than 7 and less than 10. This pH range is specified by the original equipment manufacturer.
- 1.2 Those permit conditions that have been modified or revised by this permitting action are identified by the permit issue date citation located directly under the permit condition and on the right-hand margin.
- 1.3 This PTC replaces Permit to Construct No. P-2022.0008, issued on June 15, 2022.

[01/26/2026]

## Regulated Sources

Table 1.1 lists all sources of regulated emissions in this permit.

**Table 1.1 Regulated Sources**

| Permit Section | Source                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Control Equipment                                                                                                                                                                                                                                                                                                    |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2              | <u>Manufacturing Wet Processes:</u><br><br><u>Develop, Etch, Strip (DES) Process</u><br>ChemCut CC8000-30 DES Line (2)<br>Sigma Mecer SX-7.5 CuCl <sub>2</sub><br><br><u>DES, Alternate Oxide &amp; Soldermask, Final Finish</u><br>ChemCut XLi-30 Preclean (4)<br><br><u>Alternate Oxide &amp; Soldermask</u><br>Notion Printer n. Jet solder mask (6)<br>GroupUp GCP-78A Thermal Cure Oven<br>GroupUp GDF UV4/4G UV Bump<br>Cleatech 1100-8-E Print Head Doctor<br><br><u>Plating</u><br>Atotech Uniplate PLBCu6Ip2 Advanced<br>Desmear,/Electroless/CU6 (2)<br>Atotech Uniplate PLBCu18Ip2 Advanced<br>Desmear,/Electroless/CU18 (2)<br><br><u>Final Finish</u><br>IPS Custom Design ENIG Line<br>Pentagal Penta Automatic HASL<br><br><u>Water Recycling System</u><br>Greensource Engineering Custom Design Water Recycling Unit<br><br><u>Dosing Tanks</u><br>Atotech Custom Design Dosing tanks various sizes (37)<br>ChemCut Custom Design Dosing tanks various sizes (14)<br>IPS Custom Design Dosing tanks various sizes (14) | <u>Wet Scrubber (SCRUB1)</u><br><br>Manufacturer: ScrubAir Systems<br>Model: Model SHS 60,000 CFM<br>Type: Packed Bed<br>Type of Packing Material: Lantec Q-Pack<br>Pollutants being removed and control efficiency%<br>PM <sub>10</sub> – 95%<br>PM <sub>2.5</sub> – 85%<br>VOC, Odor, Inorganic Fume – 74.25% -99% |

| Permit Section | Source                                                                                                                                                                                                                                                                                                                                                                                                             | Control Equipment                                                                                                                                                                                       |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2              | <u>Drilling &amp; Routing</u><br>Shoda HCM-700A Corner rounder<br>Shoda MCX-680A Flash Router<br>Shoda MVC-630C V-Score (2)                                                                                                                                                                                                                                                                                        | <u>Camfil GSX6 Dust Collector Unit (DUST1)</u><br><br>Manufacturer: Camfil<br>Model: GSX6<br>Type: Cartridge<br>PM <sub>10</sub> control efficiency: 95%<br>PM <sub>2.5</sub> control efficiency: 85%   |
| 2              | <u>Drilling &amp; Routing</u><br>Schmoll A-Modul-188-CCD Cube Line Drill & Route (6)<br>Schmoll XRA3 (2)                                                                                                                                                                                                                                                                                                           | <u>Camfil GS4HV Dust Collector Unit (DUST2)</u><br><br>Manufacturer: Camfil<br>Model: GS4HV<br>Type: Cartridge<br>PM <sub>10</sub> control efficiency: 95%<br>PM <sub>2.5</sub> control efficiency: 85% |
| 3              | <u>Two Emergency Generators</u><br><br>For each generator engine:<br><br>Manufacturer: Caterpillar<br>Model: CAT C32 1250 kw<br>Fuel: diesel<br>Displacement: 32.1 Liter total or 2.675 liter/cylinder<br>Engine Horsepower: 1,676 hp<br>100% Load Fuel Consumption: 87.4 gal/hr<br>Certification: EPA Emergency Stationary Use Tier 2 emission standards<br>Construction date (engine ordered date): January 2019 | None                                                                                                                                                                                                    |

## 2 Circuit Board Manufacturing

### 2.1 Process Description

This is a bare double-sided and multi-layered printed circuit board (PCB) manufacturing process. This manufacturing process includes etching, electroplating, electroless plating, drilling, routing, and inspecting.

The facility must not use CupraEtch chemical (10% formic acid) in the DES Line and in the Soldermask line's MicroEtch process.

[01/26/2026]

### 2.2 Control Device Descriptions

The emissions from the manufacturing operations are controlled by a wet scrubber and two dust collectors.

## Emission Limits

### 2.3 Emission Limits

The emissions from the web scrubber and dust collectors stacks must not exceed any corresponding emissions rate limits listed in Table 2.1.

Table 2.1 Circuit Board Manufacturing Operations Emission Limits<sup>(a)</sup>

| Source Description                                             | PM <sub>2.5</sub> <sup>(b)</sup> |                     | PM <sub>10</sub> <sup>(b)</sup> |                     | VOC                  |                     |
|----------------------------------------------------------------|----------------------------------|---------------------|---------------------------------|---------------------|----------------------|---------------------|
|                                                                | lb/hr <sup>(c)</sup>             | T/yr <sup>(d)</sup> | lb/hr <sup>(c)</sup>            | T/yr <sup>(d)</sup> | lb/hr <sup>(c)</sup> | T/yr <sup>(d)</sup> |
| Manufacturing processes controlled by wet scrubber (SCRUB1)    | 0.18                             | 0.80                | 0.18                            | 0.80                | 0.16                 | 0.72                |
| Manufacturing processes controlled by dust collector 1 (DUST1) | 0.003                            | 0.012               | 0.004                           | 0.019               | ---                  | ---                 |
| Manufacturing processes controlled by dust collector 2 (DUST2) | 0.04                             | 0.16                | 0.05                            | 0.23                | ---                  | ---                 |

- a) In absence of any other credible evidence, compliance is ensured by complying with permit operating, monitoring, and record keeping requirements.
- b) Particulate matter with an aerodynamic diameter less than or equal to a nominal two point five (2.5) and ten (10) micrometers, including condensable particulate as defined in IDAPA 58.01.01.006.
- c) Pounds per hour, as determined by a test method prescribed by IDAPA 58.01.01.157, EPA reference test method, continuous emission monitoring system (CEMS) data, or DEQ-approved alternative.
- d) Tons per any consecutive 12-calendar month period.

### 2.4 Opacity Limit

Emissions from the web scrubber and dust collectors stacks, or any other stack, vent, or functionally equivalent opening associated with the web scrubber and dust collectors, must not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required by IDAPA 58.01.01.625. Opacity must be determined by the procedures contained in IDAPA 58.01.01.625.

## Operating Requirements

### 2.5 Emissions Control Device Requirement

- 2.5.1 The permittee must install and operate a packed bed scrubber system to control emissions from the manufacturing wet processes. Table 2.2 lists the packed bed scrubber design parameters that must be maintained.

**Table 2.2 Packed Bed Scrubber Design Parameters**

| <b>Design Parameter</b> | <b>Specification</b> |
|-------------------------|----------------------|
| Type of Packing         | Lantec Q-Pack        |
| Packing Volume          | 300 cubic feet       |
| Packing Depth           | 5 feet               |

**2.5.2** The permittee must add and operate MERV 15 filters (minimum 85% filter efficiency) to the entry point of emissions into the scrubber system from the Hot Air Solder Leveling (HASL) process to capture potential lead oxide emissions generated during the soldering process.

**2.5.3** The permittee must install and operate a Camfil GSX6 model dust collector unit to collect emissions from the Shoda drilling and routing equipment.

**2.5.4** The permittee must install and operate a Camfil GS4HV model dust collector unit to collect emissions originating from the Schmoll brand drilling and routing equipment.

## **2.6 Scrubber Operating Parameters**

The scrubber's operating parameters must be maintained as follows:

- The pressure drops across the scrubber media (i.e., scrubber pack plus scrubber mist eliminator) must be from 0.5 to 4.0 inches of water.
- The scrubbing liquid flow rate must be equal to or greater than 300 gallons per minute.
- The scrubbing liquid media pH must be equal to or greater than 7 and less than or equal to 10.

As an alternative to the scrubber design and operating parameters specified in this permit the permittee may establish new parameters by conducting a performance test that demonstrates compliance with the VOC pound per hour emissions rate limit while operating at the alternative parameters. The performance test must be conducted in accordance with the Test Methods and Procedures specified in the Rules (IDAPA 58.01.01.157) and in accordance with a DEQ approved source test protocol. All operating parameters specified in this permit condition must be continuously monitored and recorded during each test run. The permittee may request to operate outside of the operating ranges specified by the manufacturer during the performance test by submitting a written source test protocol to DEQ for approval and requesting to operate under alternative parameters during the duration of the test. Once the source test is completed the permittee may request in writing to operate in accordance with alternative parameters. The request must include a source test report and justification for the alternative parameters. Upon receiving DEQ written approval of the source test and the requested alternative operating parameters, the permittee must operate in accordance with those DEQ approved alternative parameters. A copy of DEQ's approval must be maintained on-site with a copy of this permit.

[01/26/2026]

## **2.7 Scrubber Monitoring Device Requirements**

The permittee must operate the following monitoring devices:

- A device for the continuous measurement of the pressure drop across the scrubber media in inches of water.
- A device for the continuous measurement of the scrubbing liquid flow rate to the wet scrubber in gallons per minute.
- A device for the continuous measurement of the scrubbing liquid pH after exiting the scrubber. The monitoring device must be calibrated according to the manufacturer specified

frequency and methods. Manufacturer specifications for calibration must be maintained on-site and must be made available to DEQ representatives upon request.

- An alarm to notify an operator if any parameters are out of the specifications as listed in Scrubber Operating Parameters permit condition.

## **2.8 Baghouse/Filter System Procedures**

Within 60 days of initial start-up, the permittee must have developed a Baghouse/Filter System Procedures document for the inspection and operation of each Baghouse/Filter System which controls emissions from Shoda drilling and routing equipment and Schmoll brand drilling and routing equipment, respectively. The Baghouse/Filter System Procedures document must be a permittee developed document independent of the manufacturer supplied operating manual but may include summaries of procedures included in the manufacturer supplied operating manual.

The Baghouse/Filter System Procedures document must describe the procedures that will be followed to comply with the General Provisions and must contain requirements for quarterly see-no-see visible emissions inspections of each Baghouse/Filter System. The inspection must occur during daylight hours and under normal operating conditions.

The Baghouse/Filter System Procedures document must also include a schedule and procedures for corrective action that will be taken if visible emissions are present from the Baghouse/Filter System(s) at anytime. At a minimum the document must include:

- procedures to determine if bags or cartridges are ruptured; and
- procedures to determine if bags or cartridges are not appropriately secured in place.

The Permittee must maintain records of the results of each Baghouse/Filter System inspections in accordance with the General Provisions of this permit. The records must include, but not be limited to, the following:

- Date and time of inspection;
- Equipment inspected (e.g., exterior housing of a Baghouse/Filter System, fan motor, auger, inlet air ducting);
- Description of whether visible emissions were present, and if visible emissions were present a description of the corrective action that was taken.
- Date corrective action was taken.

The Baghouse/Filter System Procedures document must be submitted to DEQ within 60 days of initial start-up for review and comment and must contain a certification by a responsible official. Any changes to the Baghouse/Filter System Procedures document must be submitted within 15 days of the change.

The Baghouse/Filter System Procedures document must also remain on site at all times and must be made available to DEQ representatives upon request.

The operating, monitoring and recordkeeping requirements specified in the Baghouse/Filter System Procedures document are incorporated by reference to this permit and are enforceable permit conditions.

## **Monitoring and Recordkeeping Requirements**

### **2.9 Scrubber Monitoring Requirements**

The permittee must:

- Continuously monitor the pressure loss of the gas stream through the scrubber in inches of water, collect the pressure loss of the gas stream through the scrubber once every 15 minutes, reduce the data to daily averaging period, and record that daily averaging value every day.
- Continuously monitor the scrubbing media flow rate in gallons per minute, collect the scrubbing media flow rate once every 15 minutes, reduce the data to daily averaging period, and record that daily averaging value every day.
- Continuously monitor the scrubbing liquid pH at the outlet of the scrubber, collect the scrubbing liquid pH at the outlet of the scrubber once every 15 minutes, reduce the data to daily averaging period, and record that daily averaging value every day.

### **2.10 Scrubber and Baghouse/Filter Systems Recordkeeping Requirements**

The permittee must maintain records of the results of all monitoring, including equipment calibration records, in accordance with the General Provisions of this permit.

## **40 CFR 63, Subpart WWWW - National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations**

### **2.11 Applicability - § 63.11504**

The permittee is subject to this subpart because the permittee owns or operates a facility that is an area source of hazardous air pollutant (HAP) emissions and meets the criteria specified in paragraphs (a)(1) through (3) of 40 CFR 63.11504.

(1) A plating and polishing facility is a plant site that is engaged in one of the processes listed in paragraphs (a)(1)(i) through (vi) of 40 CFR 63.11504. The permittee is engaged in two of the listed processes:

- (i) Electroplating other than chromium electroplating (i.e., non-chromium electroplating).
- (ii) Electroless or non-electrolytic plating.

(2) The plating or polishing facility is an area source of HAP emissions.

(3) The plating and polishing facility uses or has emissions of compounds of one or more plating and polishing metal HAP, which means any compound of any of the following metals: cadmium, chromium, lead, manganese, and nickel, as defined in § 63.11511, “What definitions apply to this subpart?” With the exception of lead, plating and polishing metal HAP also include any of these metals in the elemental form.

### **2.12 Affected sources - § 63.11505**

In accordance with 40 CFR 63.11505(a)(1), the affected source is each tank that contains one or more of the plating and polishing metal HAP, as defined in § 63.11511, “What definitions apply to this subpart?”, and is used for non-chromium electroplating; electroforming; electropolishing; electroless plating or other non-electrolytic metal coating operations, such as chromate conversion coating, nickel acetate sealing, sodium dichromate sealing, and manganese phosphate coating.

In accordance with 40 CFR 63.11505(c), the affected source is new as the permittee commenced construction of the affected source after March 14, 2008.

## **2.13 Compliance dates - § 63.11506**

In accordance with 40 CFR 63.11506(c), the permittee must achieve compliance with the provisions of this subpart upon initial startup of the affected source because the new affected source for which the initial startup date is after July 1, 2008.

## **2.14 Standards and management practices - § 63.11507**

- In accordance with 40 CFR 63.11507(a), if the permittee owns or operates an affected new non-cyanide electroplating, electroforming, or electropolishing tank (hereafter referred to as an “electrolytic” process tank, as defined in § 63.11511, “What definitions apply to this subpart?”) that contains one or more of the plating and polishing metal HAP and operates at a pH of less than 12, the permittee must comply with the requirements in paragraph (a)(1), (2), or (3) of this section, and implement the applicable management practices in paragraph (g) of section § 63.11507, as practicable.

(1) The permittee must use a wetting agent/fume suppressant in the bath of the affected tank, as defined in § 63.11511, “What definitions apply to this subpart?” and according to paragraphs (a)(1)(i) through (iii) of section § 63.11507.

(i) The permittee must initially add the wetting agent/fume suppressant in the amounts recommended by the manufacturer for the specific type of electrolytic process.

(ii) The permittee must add wetting agent/fume suppressant in proportion to the other bath chemistry ingredients that are added to replenish the bath, as in the original make-up of the bath, or in proportions such that the bath contents are returned to that of the original make-up of the bath.

(iii) If a wetting agent/fume suppressant is included in the electrolytic process bath chemicals used in the affected tank according to the manufacturer's instructions, it is not necessary to add additional wetting agent/fume suppressants to the tank to comply with this rule.

(2) The permittee must capture and exhaust emissions from the affected tank to any one of the following emission control devices: composite mesh pad, packed bed scrubber, or mesh pad mist eliminator, according to paragraphs (a)(2)(i) and (ii) of section § 63.11507.

(i) The permittee must operate all capture and control devices according to the manufacturer's specifications and operating instructions.

(ii) The permittee must keep the manufacturer's specifications and operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

(3) The permittee must cover the tank surface according to paragraph (a)(3)(i) or (ii) of section § 63.11507.

(i) For batch electrolytic process tanks, as defined in § 63.11511, “What definitions apply to this subpart?”, the permittee must use a tank cover, as defined in § 63.11511, over all of the effective surface area of the tank for at least 95 percent of the electrolytic process operating time.

(ii) For continuous electrolytic process tanks, as defined in § 63.11511, “What definitions apply to this subpart?”, the permittee must cover at least 75 percent of the surface of the tank, as defined in § 63.11511, whenever the electrolytic process tank is in operation.

- In accordance with 40 CFR 63.11507(d), If the permittee owns or operates an affected electroplating tank that uses cyanide in the plating bath, operates at pH greater than or equal to 12, and contains one or more of the plating and polishing metal HAP, the permittee must comply with the requirements in paragraphs (d)(1) and (2) of section § 63.11507:

(1) You must measure and record the pH of the bath upon startup of the bath, as defined in § 63.11511, “What definitions apply to this subpart?” No additional pH measurements are required.

(2) You must implement the applicable management practices in paragraph (g) of this section, as practicable.

- In accordance with 40 CFR 63.11507(g), if the permittee owns or operates an affected new plating and polishing process unit that contains, applies, or emits one or more of the plating and polishing metal HAP, the permittee must implement the applicable management practices in paragraphs (g)(1) through (12) of section § 63.11507, as practicable.

(1) Minimize bath agitation when removing any parts processed in the tank, as practicable except when necessary to meet part quality requirements.

(2) Maximize the draining of bath solution back into the tank, as practicable, by extending drip time when removing parts from the tank; using drain boards (also known as drip shields); or withdrawing parts slowly from the tank, as practicable.

(3) Optimize the design of barrels, racks, and parts to minimize dragout of bath solution (such as by using slotted barrels and tilted racks, or by designing parts with flow-through holes to allow the tank solution to drip back into the tank), as practicable.

(4) Use tank covers, if already owned and available at the facility, whenever practicable.

(5) Minimize or reduce heating of process tanks, as practicable (e.g., when doing so would not interrupt production or adversely affect part quality).

(6) Perform regular repair, maintenance, and preventive maintenance of racks, barrels, and other equipment associated with affected sources, as practicable.

(7) Minimize bath contamination, such as through the prevention or quick recovery of dropped parts, use of distilled/de-ionized water, water filtration, pre-cleaning of parts to be plated, and thorough rinsing of pre-treated parts to be plated, as practicable.

(8) Maintain quality control of chemicals, and chemical and other bath ingredient concentrations in the tanks, as practicable.

(9) Perform general good housekeeping, such as regular sweeping or vacuuming, if needed, and periodic washdowns, as practicable.

(10) Minimize spills and overflow of tanks, as practicable.

(11) Use squeegee rolls in continuous or reel-to-reel plating tanks, as practicable.

(12) Perform regular inspections to identify leaks and other opportunities for pollution prevention.

## **2.15 Compliance requirements - § 63.11508**

- In accordance with 40 CFR 63.11508(a), if the permittee owns or operates an affected source, the permittee must submit a Notification of Compliance Status in accordance with § 63.11509(b) of “What are my notification, reporting, and recordkeeping requirements?”
- In accordance with 40 CFR 63.11508(b), the permittee must be in compliance with the applicable management practices and equipment standards in this subpart at all times.
- In accordance with 40 CFR 63.11508(c), to demonstrate initial compliance, the permittee must satisfy the requirements specified in paragraphs (c)(1) through (11) of this section (§ 63.11508.)

(1) If the permittee owns or operates an affected electroplating, electroforming, or electropolishing tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements in § 63.11507(a), “What are my standards and management practices?”, and the permittee uses a wetting agent/fume suppressant to comply with this subpart, the permittee must demonstrate initial compliance according to paragraphs (c)(1)(i) through (iv) of this section (§ 63.11508.)

(i) The permittee must add wetting agent/fume suppressant to the bath of each affected tank according to manufacturer's specifications and instructions.

(ii) The permittee must state in your Notification of Compliance Status that you add wetting agent/fume suppressant to the bath according to manufacturer's specifications and instructions.

(iii) The permittee must implement the applicable management practices specified in § 63.11507(g), “What are my standards and management practices?”, as practicable.

(iv) The permittee must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in § 63.11507(g), “What are my standards and management practices?”, as practicable.

(2) If the permittee owns or operates an affected electroplating, electroforming, or electropolishing tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements in § 63.11507(a), “What are my standards and management practices?”, and the permittee uses a control system, as defined in § 63.11511, “What definitions apply to this subpart?”, to comply with this subpart, the permittee must demonstrate initial compliance according to paragraphs (c)(2)(i) through (v) of this section (§ 63.11508.)

(i) The permittee must install a control system designed to capture emissions from the affected tank and exhaust them to a composite mesh pad, packed bed scrubber, or mesh pad mist eliminator.

(ii) The permittee must state in your Notification of Compliance Status that you have installed the control system according to the manufacturer's specifications and instructions.

(iii) The permittee must implement the applicable management practices specified in § 63.11507(g), "What are my standards and management practices?", as practicable.

(iv) The permittee must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in § 63.11507(g), "What are my standards and management practices?", as practicable.

(v) The permittee must follow the manufacturer's specifications and operating instructions for the control systems at all times.

(3) If the permittee owns or operates an affected batch electrolytic process tank, as defined in § 63.11511, "What definitions apply to this subpart?" that contains one or more of the plating and polishing metal HAP and which is subject to the requirements in § 63.11507(a), "What are my standards and management practices?" and the permittee uses a tank cover, as defined in § 63.11511, to comply with § 11507(a), (b) or (c) of this subpart, the permittee must demonstrate initial compliance according to paragraphs (c)(3)(i) through (iv) of this section (§ 63.11508.)

(i) The permittee must install a tank cover on the affected tank.

(ii) The permittee must state in your Notification of Compliance Status that you operate the tank with the cover in place at least 95 percent of the electrolytic process operating time.

(iii) The permittee must implement the applicable management practices specified in § 63.11507(g), "What are my standards and management practices?", as practicable.

(iv) The permittee must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in § 63.11507(g), "What are my standards and management practices?", as practicable.

(4) If the permittee owns or operates an affected continuous electrolytic process tank, as defined in § 63.11511, "What definitions apply to this subpart?" that contains one or more of the plating and polishing metal HAP and is subject to the requirements in § 63.11507(a), "What are my standards and management practices?" and the permittee covers the tank surface to comply with § 11507(a), (b) or (c) of this subpart, the permittee must demonstrate initial compliance according to paragraphs (c)(4)(i) through (iv) of this section (§ 63.11508.)

(i) The permittee must cover at least 75 percent of the surface area of the affected tank.

(ii) The permittee must state in your Notification of Compliance Status that you operate the tank with the surface cover in place whenever the continuous electrolytic process is in operation.

(iii) The permittee must implement the applicable management practices specified in § 63.11507(g), "What are my standards and management practices?", as practicable.

(iv) The permittee must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in § 63.11507(g), “What are my standards and management practices?”, as practicable.

(5) & (6) do not apply.

(7) If the permittee owns or operates an affected tank that contains one or more of the plating and polishing metal HAP, uses cyanide in the bath, and is subject to the management practices specified in § 63.11507(d), “What are my standards and management practices?”, the permittee must demonstrate initial compliance according to paragraphs (c)(7)(i) through (iii) of this section (§ 63.11508.)

(i) The permittee must report in your Notification of Compliance Status the pH of the bath solution that was measured at startup, as defined in § 63.11511, according to the requirements of § 63.11507(d)(1).

(ii) The permittee must implement the applicable management practices specified in § 63.11507(g), “What are my standards and management practices?”, as practicable.

(iii) The permittee must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in § 63.11490(g), “What are my standards and management practices?”, as practicable.

- In accordance with 40 CFR 63.11508(d), to demonstrate continuous compliance with the applicable management practices and equipment standards specified in this subpart, the permittee must satisfy the requirements specified in paragraphs (d)(1) through (8) of this section (§ 63.11508.)

(1) The permittee must always operate and maintain your affected source, including air pollution control equipment.

(2) The permittee must prepare an annual compliance certification according to the requirements specified in § 63.11509(c), “Notification, Reporting, and Recordkeeping,” and keep it in a readily-accessible location for inspector review.

(3) If the permittee owns or operates an affected electroplating, electroforming, or electropolishing tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements in § 63.11507(a), “What are my standards and management practices?”, and the permittee uses a wetting agent/fume suppressant to comply with this subpart, the permittee must demonstrate continuous compliance according to paragraphs (d)(3)(i) through (iii) of this section (§ 63.11508.).

(i) The permittee must record that you have added the wetting agent/fume suppressant to the tank bath in the original make-up of the tank.

(ii) For tanks where the wetting agent/fume suppressant is a separate ingredient from the other tank additives, the permittee must demonstrate continuous compliance according to paragraphs (d)(3)(ii) (A) and (B) this section.

(A) The permittee must add wetting agent/fume suppressant in proportion to the other bath chemistry ingredients that are added to replenish the tank bath, as in the original

make-up of the tank; or in proportion such that the bath is brought back to the original make-up of the tank.

(B) The permittee must record each addition of wetting agent/fume suppressant to the tank bath.

(iii) The permittee must state in your annual compliance certification that you have added wetting agent/fume suppressant to the bath according to the manufacturer's specifications and instructions.

(4) If the permittee owns or operates an affected electroplating, electroforming, or electropolishing tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements in § 63.11507(a), "What are my standards and management practices?", and the permittee uses a control system to comply with this subpart; an affected dry mechanical polishing operation that is subject to § 63.11507(e); or an affected thermal spraying operation that is subject to § 63.11507(f)(1) or (2), the permittee must demonstrate continuous compliance according to paragraphs (d)(4)(i) through (v) of this section.

(i) The permittee must operate and maintain the control system according to the manufacturer's specifications and instructions.

(ii) Following any malfunction or failure of the capture or control devices to operate properly, the permittee must take immediate corrective action to return the equipment to normal operation according to the manufacturer's specifications and operating instructions.

(iii) The permittee must state in your annual certification that you have operated and maintained the control system according to the manufacturer's specifications and instructions.

(iv) The permittee must record the results of all control system inspections, deviations from proper operation, and any corrective action taken.

(v) The permittee must keep the manufacturer's operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

(5) & (6) do not apply.

(7) If the permittee owns or operates an affected continuous electrolytic process tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements in § 63.11507(a), "What are my standards and management practices?" and the permittee complies with § 11507(a), (b) or (c) of this subpart by operating the affected tank with a cover, you must demonstrate continuous compliance according to paragraphs (d)(7)(i) and (ii) of this section.

(i) The permittee must operate the tank with at least 75 percent of the surface covered during all periods of electrolytic process operation.

(ii) The permittee must state in your annual certification that you have operated the tank with 75 percent of the surface covered during all periods of electrolytic process operation.

(8) If the permittee owns or operates an affected tank or other operation that is subject to the management practices specified in § 63.11507(g), "What are my standards and management

practices?”, the permittee must demonstrate continuous compliance according to paragraphs (d)(8)(i) and (ii) of this section (§ 63.11508.)

(i) The permittee must implement the applicable management practices during all times that the affected tank or process is in operation.

(ii) The permittee must state in your annual compliance certification that you have implemented the applicable management practices, as practicable.

## **2.16 Notification, Reporting, And Recordkeeping Requirements - § 63.11509**

- In accordance with 40 CFR 63.11509(a), because the permittee owns or operates an affected source, as defined in § 63.11505(a), “What parts of my plant does this subpart cover?”, the permittee must submit an Initial Notification in accordance with paragraphs (a)(1) through (4) of this section (i.e., § 63.11509) by the dates specified.

(1) The Initial Notification must include the information specified in § 63.9(b)(2)(i) through (iv) of the General Provisions of this part.

(2) The Initial Notification must include a description of the compliance method (e.g., use of wetting agent/fume suppressant) for each affected source.

(3) does not apply.

(4) Because the permittee startups the new affected source after July 1, 2008, the permittee must submit an Initial Notification when the permittee becomes subject to this subpart.

- In accordance with 40 CFR 63.11509(b), because the permittee owns or operates an affected source, the permittee must submit a notification of Compliance Status in accordance with paragraphs (b)(1) through (3) of this section (i.e., § 63.11509.)

(1) The Notification of Compliance Status must be submitted before the close of business on the compliance date specified in § 63.11506, “What are my compliance dates?”

(2) The Notification of Compliance Status must include the items specified in paragraphs (b)(2)(i) through (iv) of this section (i.e., § 63.11509.)

(i) List of affected sources and the plating and polishing metal HAP used in, or emitted by, those sources.

(ii) Methods used to comply with the applicable management practices and equipment standards.

(iii) Description of the capture and emission control systems used to comply with the applicable equipment standards.

(iv) Statement by the owner or operator of the affected source as to whether the source is in compliance with the applicable standards or other requirements.

(3) If a facility makes a change to any items in (b)(2)(i), (iii), and (iv) of this section that does not result in a deviation, an amended Notification of Compliance Status should be submitted within 30 days of the change.

- In accordance with 40 CFR 63.11509(c), because the permittee owns or operates an affected source, the permittee must prepare an annual certification of compliance report according to paragraphs (c)(1) through (7) of this section (i.e., § 63.11509). These reports do not need to be submitted unless a deviation from the requirements of this subpart has occurred during the reporting year, in which case, the annual compliance report must be submitted along with the deviation report.
  - (1) If the permittee owns or operates an affected electroplating, electroforming, or electropolishing tank that is subject to the requirements in § 63.11507(a)(1), “What are my standards and management practices?”, the permittee must state in your annual compliance certification that you have added wetting agent/fume suppressant to the bath according to the manufacturer's specifications and instructions.
  - (2) If the permittee owns or operates any one of the affected sources listed in paragraphs (c)(2)(i) through (iii) of this section (i.e., § 63.11509), the permittee must state in the annual certification that the permittee has operated and maintained the control system according to the manufacturer's specifications and instructions.
    - (i) Electroplating, electroforming, or electropolishing tank that is subject to the requirements in § 63.11507(a), “What are my standards and management practices?”, and you use a control system to comply with this subpart;
  - (3) & (4) Do not apply.
  - (5) If the permittee owns or operates an affected continuous electrolytic process tank that is subject to the requirements of § 63.11507(a), “What are my standards and management practices?” and the permittee complies with § 11507(a), (b) or (c) of this subpart by operating the affected tank with a cover, the permittee must state in your annual certification that the permittee has covered at least 75 percent of the surface area of the tank during all periods of electrolytic process operation.
  - (6) Does not apply.
  - (7) Each annual compliance report must be prepared no later than January 31 of the year immediately following the reporting period and kept in a readily-accessible location for inspector review. If a deviation has occurred during the year, each annual compliance report must be submitted along with the deviation report, and postmarked or delivered no later than January 31 of the year immediately following the reporting period.
- In accordance with 40 CFR 63.11509(e), the permittee must keep the records specified in paragraphs (e)(1) through (3) of this section.
  - (1) A copy of any Initial Notification and Notification of Compliance Status that the permittee submitted and all documentation supporting those notifications.
  - (2) The records specified in § 63.10(b)(2)(i) through (iii) and (xiv) of the General Provisions of this part.
  - (3) The records required to show continuous compliance with each management practice and equipment standard that applies to the permittee, as specified in § 63.11508(d), “What are my compliance requirements?”
- In accordance with 40 CFR 63.11509(f), the permittee must keep each record for a minimum of 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee must keep each record onsite for at least 2

years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b) 1) of the General Provisions to part 63. The permittee may keep the records offsite for the remaining 3 years.

## 2.17 General Provision of this Subpart - § 63.11510

Because the permittee owns or operates a new affected source, the permittee must comply with the requirements of the General Provisions (40 CFR part 63, subpart A) according to Table 1 of this subpart.

**Table 1 to Subpart WWWWWW of Part 63 - Applicability of General Provisions to Plating and Polishing Area Sources**

| Citation                                                       | Subject                                                                     |
|----------------------------------------------------------------|-----------------------------------------------------------------------------|
| 63.1                                                           | Applicability.                                                              |
| 63.2                                                           | Definitions.                                                                |
| 63.3                                                           | Units and abbreviations.                                                    |
| 63.4                                                           | Prohibited activities.                                                      |
| 63.6(a), (b)(1)-(b)(5), (c)(1), (c)(2), (c)(5), and (j)        | Compliance with standards and maintenance requirements.                     |
| 63.10(a), (b)(1), (b)(2)(i), (iii), (xiv), (b)(3), (d)(1), (f) | Recordkeeping and reporting.                                                |
| 63.12                                                          | State authority and delegations.                                            |
| 63.13                                                          | Addresses of State air pollution control agencies and EPA regional offices. |
| 63.14                                                          | Incorporation by reference.                                                 |
| 63.15                                                          | Availability of information and confidentiality.                            |

**2.18** Unless expressly provided otherwise, any reference in this permit to any document identified in IDAPA 58.01.01.107.03 must constitute the full incorporation into this permit of that document for the purposes of the reference, including any notes and appendices therein. Documents include, but are not limited to:

- National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR 63, Subpart WWWWWW - National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations

For permit conditions referencing or cited in accordance with any document incorporated by reference (including permit condition identified as NESHAP), should there be any conflict between the requirements of the permit condition and the requirements of the document, the requirements of the document must govern, including any amendments to that regulation.

## 3 Emergency Generators

### 3.1 Process Description

Two 1250 kw diesel-fueled emergency generators provide electricity during power outages.

### 3.2 Control Device Descriptions

The emissions from the engines of the two emergency generators are uncontrolled.

**Table 3.1 Emergency Generators Description**

| Emissions Units / Processes                | Control Devices | Emission Points         |
|--------------------------------------------|-----------------|-------------------------|
| 1250 kw diesel-fueled emergency generators | None            | Generator Engine stacks |

## Emission Limits

### 3.3 Emission Limits

The emissions from the emergency generator stacks must not exceed any corresponding emissions rate limits listed in Table 3.2.

**Table 3.2 Emergency Generators Emission Limits<sup>(a)</sup>**

| Source Description           | PM <sub>2.5</sub> /PM <sub>10</sub> <sup>(b)</sup> |                     | SO <sub>2</sub>      |                     | NO <sub>x</sub>      |                     | CO                   |                     | VOC                  |                     |
|------------------------------|----------------------------------------------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|
|                              | lb/hr <sup>(c)</sup>                               | T/yr <sup>(d)</sup> | lb/hr <sup>(c)</sup> | T/yr <sup>(d)</sup> | lb/hr <sup>(c)</sup> | T/yr <sup>(d)</sup> | lb/hr <sup>(c)</sup> | T/yr <sup>(d)</sup> | lb/hr <sup>(c)</sup> | T/yr <sup>(d)</sup> |
| Emergency Generator Engine 1 | 0.07                                               | 0.0035              | 0.47                 | 0.0233              | 22.80                | 1.14                | 0.78                 | 0.039               | 7.687                | 0.384               |
| Emergency Generator Engine 2 | 0.07                                               | 0.0035              | 0.47                 | 0.0233              | 22.80                | 1.14                | 0.78                 | 0.039               | 7.687                | 0.384               |

- a) In absence of any other credible evidence, compliance is ensured by complying with permit operating, monitoring, and record keeping requirements.
- b) Particulate matter with an aerodynamic diameter less than or equal to a nominal two point five (2.5) and ten (10) micrometers, including condensable particulate as defined in IDAPA 58.01.01.006.
- c) Pounds per hour, as determined by a test method prescribed by IDAPA 58.01.01.157, EPA reference test method, continuous emission monitoring system (CEMS) data, or DEQ-approved alternative.
- d) Tons per any consecutive 12-calendar month period.

### 3.4 Opacity Limit

Emissions from the each emergency generator stack, or any other stack, vent, or functionally equivalent opening associated with the each emergency generator, must not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required by IDAPA 58.01.01.625. Opacity must be determined by the procedures contained in IDAPA 58.01.01.625.

## 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

### 3.5 Applicability - § 60.4200 Am I subject to this subpart?

In accordance with 40 CFR 60.4200(a)(2)(i), the permittee is subject to this subpart because the two emergency engines are stationary CI ICE that commence construction after July 11, 2005, where the stationary CI ICE are manufactured after April 1, 2006, and are not fire pump engines.

**3.6 Emissions Standards - § 60.4205 What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

- In accordance with 40 CFR 60.4205(b), owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in § 60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.

In accordance with 40 CFR 60.4202(a)(2), because the permittee has two 2007 model year and later emergency stationary CI ICE each with a maximum engine power less than 2,237 KW (3,000 HP) but greater than 37 KW (50 HP) and a displacement of less than 10 liters per cylinder that are not fire pump engines, the permittee must certify the two emergency stationary CI ICE to the Tier 2 or Tier 3 emission standards for new nonroad CI engines for the same rated power as described in 40 CFR part 1039, appendix I, for all pollutants and the smoke standards as specified in 40 CFR 1039.105 beginning in model year 2007.

- In accordance with 40 CFR 60.4205(e), Owners and operators of emergency stationary CI ICE with a displacement of less than 30 liters per cylinder who conduct performance tests in-use must meet the NTE standards as indicated in § 60.4212.

**3.7 Compliance Duration - § 60.4206 How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?**

The permittee must operate and maintain stationary CI ICE that achieve the emission standards as required in 60.4205 over the entire life of the engine.

**3.8 Fuel Requirements - § 60.4207 What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

In accordance with 40 CFR 60.4207(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 1090.305 for nonroad diesel fuel.

40 CFR 1090.305 ULSD standards.

(a) Overview. Except as specified in 40 CFR 1090.300(a), diesel fuel must meet the ULSD per-gallon standards of this section.

(b) Sulfur standard. Maximum sulfur content of 15 ppm.

(c) Cetane index or aromatic content. Diesel fuel must meet one of the following standards:

(1) Minimum cetane index of 40.

(2) Maximum aromatic content of 35 volume percent.

**3.9 Monitoring Requirements - § 60.4209 What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

In accordance with 40 CFR 60.4209(a) If the permittee is an owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines, the permittee must install a non-resettable hour meter prior to startup of the engine.

### 3.10 Compliance Requirements - § 60.4211 What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?

- In accordance with 40 CFR 60.4211(a) Since the permittee is an owner or operator and must comply with the emission standards specified in this subpart, the permittee must do all of the following, except as permitted under paragraph (g) of this section:
  - (1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;
  - (2) Change only those emission-related settings that are permitted by the manufacturer; and
  - (3) Meet the requirements of 40 CFR part 1068, as they apply to you.
- In accordance with 40 CFR 60.4211(c) If the permittee is an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in §60.4205(b), The permittee must comply by purchasing an engine certified to the emission standards in §60.4205(b) for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications.
- In accordance with 40 CFR 60.4211(f) If the permittee owns or operates an emergency stationary ICE, the permittee must operate the emergency stationary ICE according to the requirements in paragraphs (f)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, 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 (f)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (3) of this section, the engine will not be considered a emergency engine under this subpart and must meet all requirements for non-emergency engines.
  - (1) There is no time limit on the use of emergency stationary ICE in emergency situations.
  - (2) The permittee may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).
    - (i) Emergency stationary ICE 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 ICE beyond 100 hours per calendar year.
    - (ii) Emergency stationary ICE 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 § 60.17), 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 ICE may be operated periods where there is a deviation of voltage or frequency of 5 percent or great blow standard voltage or frequency.

(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in nonemergency 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 (f)(2) of this section. Except as provided in paragraph (f)(3)(i) of this section, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(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.

### **3.11 Test Methods - § 60.4212 What test methods and other procedures must I use if I am an owner or operator of a stationary CI internal combustion engine with a displacement of less than 30 liters per cylinder?**

Owners and operators of stationary CI ICE with a displacement of less than 30 liters per cylinder must conduct performance tests according to paragraphs (a) through (e) of this section.

- In accordance with 40 CFR 60.4212(a) The performance test must be conducted according to the in-use testing procedures in 40 CFR part 1039, subpart F, for stationary CI ICE with a displacement of less than 10 liters per cylinder. Alternatively, stationary CI ICE that are complying with Tier 2 or Tier 3 emission standards as described in 40 CFR part 1039, appendix I may follow the testing procedures specified in § 60.4213.
- In accordance with 40 CFR 60.4212(c) Exhaust emissions from stationary CI ICE subject to Tier 2 or Tier 3 emission standards as described in 40 CFR part 1039, appendix I, must not exceed the NTE numerical requirements, rounded to the same number of decimal places as the applicable standard, determined from the following equation:

$$\text{NTE requirement for each pollutant} = (1.25) \times (\text{STD}) \text{ (Eq. 1)}$$

Where:

STD = The standard specified for that pollutant in 40 CFR part 1039.

**3.12 Notification, Reporting, and Recordkeeping Requirements - § 60.4214 What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

- In accordance with 40 CFR 60.4214 (b) If the stationary CI internal combustion engine is emergency stationary internal combustion engine, the permittee is not required to submit an initial notification. Starting with the model year 2011 for engines with engine power 175 hp or greater, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the permittee must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The permittee must record the time of operation of the engine and the reason the engine was in operation during that time.
- In accordance with 40 CFR 60.4214 (c) If the stationary CI internal combustion engine is equipped with a diesel particulate filter, the permittee must keep records of any corrective action taken after the backpressure monitor has notified the permittee that the high backpressure limit of the engine is approached.
- In accordance with 40 CFR 60.4214 (d) If the permittee owns or operates an emergency stationary CI ICE with a maximum engine power more than 100 HP that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 60.4211(f)(2)(ii) and (iii) or that operates for the purposes specified in § 60.4211(f)(3)(i), the permittee must submit an annual report according to the requirements in paragraphs (d)(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 § 60.4211(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in § 60.4211(f)(2)(ii) and (iii).
- (vi) Number of hours the engine is contractually obligated to be available for the purposes specified in § 60.4211(f)(2)(ii) and (iii).
- (vii) Hours spent for operation for the purposes specified in § 60.4211(f)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in § 60.4211(f)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(2) The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

(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 § 60.4.

- In accordance with 40 CFR 60.4214(e) Owners or operators of stationary CI ICE equipped with AECDs pursuant to the requirements of 40 CFR 1039.665 must report the use of AECDs as required by 40 CFR 1039.665(e).

### 3.13 General Provisions - § 60.4218 What parts of the General Provisions apply to me?

The permittee must comply with Table 8 to this subpart as show in the following:

| General Provisions citation | Subject of citation                                    | Applies to subpart | Explanation                                                                                                                              |
|-----------------------------|--------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| § 60.1                      | General applicability of the General Provisions        | Yes                |                                                                                                                                          |
| § 60.2                      | Definitions                                            | Yes                | Additional terms defined in § 60.4219.                                                                                                   |
| § 60.3                      | Units and abbreviations                                | Yes                |                                                                                                                                          |
| § 60.4                      | Address                                                | Yes                |                                                                                                                                          |
| § 60.5                      | Determination of construction or modification          | Yes                |                                                                                                                                          |
| § 60.6                      | Review of plans                                        | Yes                |                                                                                                                                          |
| § 60.7                      | Notification and Recordkeeping                         | Yes                | Except that § 60.7 only applies as specified in § 60.4214(a).                                                                            |
| § 60.8                      | Performance tests                                      | Yes                | Except that § 60.8 only applies to stationary CI ICE with a displacement of (≥30 liters per cylinder and engines that are not certified. |
| § 60.9                      | Availability of information                            | Yes                |                                                                                                                                          |
| § 60.10                     | State Authority                                        | Yes                |                                                                                                                                          |
| § 60.11                     | Compliance with standards and maintenance requirements | No                 | Requirements are specified in subpart IIII.                                                                                              |
| § 60.12                     | Circumvention                                          | Yes                |                                                                                                                                          |

| General Provisions citation | Subject of citation                             | Applies to subpart | Explanation                                                                                                   |
|-----------------------------|-------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------|
| § 60.13                     | Monitoring requirements                         | Yes                | Except that § 60.13 only applies to stationary CI ICE with a displacement of ( $\geq$ 30 liters per cylinder. |
| § 60.14                     | Modification                                    | Yes                |                                                                                                               |
| § 60.15                     | Reconstruction                                  | Yes                |                                                                                                               |
| § 60.16                     | Priority list                                   | Yes                |                                                                                                               |
| § 60.17                     | Incorporations by reference                     | Yes                |                                                                                                               |
| § 60.18                     | General control device requirements             | No                 |                                                                                                               |
| § 60.19                     | General notification and reporting requirements | Yes                |                                                                                                               |

**3.14** Unless expressly provided otherwise, any reference in this permit to any document identified in IDAPA 58.01.01.107.03 must constitute the full incorporation into this permit of that document for the purposes of the reference, including any notes and appendices therein. Documents include, but are not limited to:

- Standards of Performance for New Stationary Sources (NSPS), 40 CFR Part 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

For permit conditions referencing or cited in accordance with any document incorporated by reference (including permit conditions identified as NSPS), should there be any conflict between the requirements of the permit condition and the requirements of the document, the requirements of the document must govern, including any amendments to that regulation.

## 4 General Provisions

### General Compliance

- 4.1 The permittee has a continuing duty to comply with all terms and conditions of this permit. All emissions authorized herein must be consistent with the terms and conditions of this permit and the “Rules for the Control of Air Pollution in Idaho.” The emissions of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, must constitute a violation of this permit, the “Rules for the Control of Air Pollution in Idaho,” and the Environmental Protection and Health Act (Idaho Code §39-101, et seq).

[Idaho Code §39-101, et seq.]

- 4.2 The permittee must at all times (except as provided in the “Rules for the Control of Air Pollution in Idaho”) maintain in good working order and operate as efficiently as practicable all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable Idaho laws for the control of air pollution.

[IDAPA 58.01.01.211]

- 4.3 Nothing in this permit is intended to relieve or exempt the permittee from the responsibility to comply with all applicable local, state, or federal statutes, rules, and regulations.

[IDAPA 58.01.01.212.01]

### Inspection and Entry

- 4.4 Upon presentation of credentials, the permittee must allow DEQ or an authorized representative of DEQ to do the following:

- Enter upon the permittee’s premises where an emissions source is located, emissions-related activity is conducted, or where records are kept under conditions of this permit;
- Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;
- Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
- As authorized by the Idaho Environmental Protection and Health Act, sample or monitor, at reasonable times, substances or parameters for the purpose of determining or ensuring compliance with this permit or applicable requirements.

[Idaho Code §39-108]

### Construction and Operation Notification

- 4.5 This permit must expire if construction has not begun within two years of its issue date, or if construction is suspended for one year.

[IDAPA 58.01.01.211.02]

- 4.6 The permittee must furnish DEQ written notifications as follows:

- A notification of the date of initiation of construction, within five working days after occurrence; except in the case where pre-permit construction approval has been granted then notification must be made within five working days after occurrence or within five working days after permit issuance whichever is later;
- A notification of the date of any suspension of construction, if such suspension lasts for one year or more; and

- A notification of the initial date of achieving the maximum production rate, within five working days after occurrence - production rate and date.

[IDAPA 58.01.01.211.01]

- A notification of the anticipated date of initial start-up of the stationary source or facility not more than sixty days or less than thirty days prior to such date; and
- A notification of the actual date of initial start-up of the stationary source or facility within fifteen days after such date.

[IDAPA 58.01.01.211.03]

## Performance Testing

- 4.7** If performance testing (air emissions source test) is required by this permit, the permittee must provide notice of intent to test to DEQ at least 15 days prior to the scheduled test date or shorter time period as approved by DEQ. DEQ may, at its option, have an observer present at any emissions tests conducted on a source. DEQ requests that such testing not be performed on weekends or state holidays.
- 4.8** All performance testing must be conducted in accordance with the procedures in IDAPA 58.01.01.157. Without prior DEQ approval, any alternative testing is conducted solely at the permittee's risk. If the permittee fails to obtain prior written approval by DEQ for any testing deviations, DEQ may determine that the testing does not satisfy the testing requirements. Therefore, at least 30 days prior to conducting any performance test, the permittee is encouraged to submit a performance test protocol to DEQ for approval. The written protocol must include a description of the test method(s) to be used, an explanation of any or unusual circumstances regarding the proposed test, and the proposed test schedule for conducting and reporting the test.
- 4.9** Within 60 days following the date in which a performance test required by this permit is concluded, the permittee must submit to DEQ a performance test report. The report must include a description of the process, identification of the test method(s) used, equipment used, all process operating data collected during the test period, and test results, as well as raw test data and associated documentation, including any approved test protocol.

[IDAPA 58.01.01.157]

## Monitoring and Recordkeeping

- 4.10** The permittee must maintain sufficient records to ensure compliance with all of the terms and conditions of this permit. Monitoring records must include, but not be limited to, the following: (a) the date, place, and times of sampling or measurements; (b) the date analyses were performed; (c) the company or entity that performed the analyses; (d) the analytical techniques or methods used; (e) the results of such analyses; and (f) the operating conditions existing at the time of sampling or measurement. All monitoring records and support information must be retained for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes, but is not limited to, all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. All records required to be maintained by this permit must be made available in either hard copy or electronic format to DEQ representatives upon request.

[IDAPA 58.01.01.211]

## **Excess Emissions**

- 4.11** The permittee must comply with the procedures and requirements of IDAPA 58.01.01.130–136 for excess emissions.

[IDAPA 58.01.01.130–136]

## **Certification**

- 4.12** All documents submitted to DEQ—including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certification—must contain a certification by a responsible official. The certification must state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete.

[IDAPA 58.01.01.123]

## **False Statements**

- 4.13** No person must knowingly make any false statement, representation, or certification in any form, notice, or report required under this permit or any applicable rule or order in force pursuant thereto.

[IDAPA 58.01.01.125]

## **Tampering**

- 4.14** No person must knowingly render inaccurate any monitoring device or method required under this permit or any applicable rule or order in force pursuant thereto.

[IDAPA 58.01.01.126]

## **Transferability**

- 4.15** This permit is transferable in accordance with procedures listed in IDAPA 58.01.01.209.06.

[IDAPA 58.01.01.209.06]

## **Severability**

- 4.16** The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, must not be affected thereby.

[IDAPA 58.01.01.211]