



Southwest Clean Air Agency

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www.swcleanair.org

June 23, 2010

Ms. Jennifer Tierney, Safety Technician
Thompson Metal Fab, Inc.
3000 SE Hidden Way
Vancouver, WA 98661

Subject: Final Air Discharge Permit for Modification of Synthetic Minor Permit to Renew Outdoor Operations and Incorporate Portable Stationary Engines

Dear Ms. Tierney:

The public comment period for the preliminary determination to issue Air Discharge Permit 09-2884R1 (ADP 09-2884R1) in response to ADP Application CL-1906 concluded on June 20, 2010. The Southwest Clean Air Agency (SWCAA) did not receive any adverse comment from the public relative to the preliminary determination. Therefore, a final determination to issue ADP 09-2884R1 has been made pursuant to Section 400-110(4) of SWCAA's General Regulations for Air Pollution Sources. Electronic copies of ADP 09-2884R1 and the associated Technical Support Document are available for public review in the permit section of SWCAA's internet home page (www.swcleanair.org/permitsfinal.html). Original copies are enclosed for your files.

This Air Discharge Permit may be appealed directly to the Pollution Control Hearings Board (PCHB) at P.O. Box 40903, Olympia, Washington 98504-0903 within 30 days of receipt as provided in RCW 43.21B.

Sincerely,

Robert D. Elliott
Executive Director

RDE:wls
Enclosures



SOUTHWEST CLEAN AIR AGENCY

**AIR DISCHARGE PERMIT
09-2884R1**

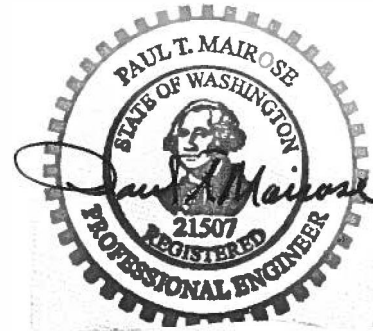
Final Date: June 23, 2010

Facility Name: Thompson Metal Fab, Inc.
Physical Location: 3000 SE Hidden Way
Vancouver, WA 98661

SWCAA ID: 954

REVIEWED BY:


Paul T. Mairose, Chief Engineer



APPROVED BY:



Robert D. Elliott, Executive Director

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. Equipment/Activity Identification	1
2. Approval Conditions	1
2.1 Emission Limits	2
2.2 Operating Limits and Requirements	4
2.3 Monitoring and Recordkeeping Requirements	6
2.4 Emission Monitoring and Testing Requirements	6
2.5 Reporting Requirements	7
3. General Provisions	8
 Appendix A Emission Testing Requirements Wheelabrator Baghouse	

1. Equipment/Activity Identification

ID No.	Generating Equipment/Activity	# of Units	Control Measure/Equipment	# of Units
1	Welding - Metal Fabrication Shop	4	Building Enclosure	N/A
2	Plasma Cutter	1	Cartridge Collector (Torit – 1,500 cfm)	1
3	Sandblast Room	1	Baghouse (FabriPulse – 20,000 cfm)	1
4		1	Baghouse (FabriPulse – 20,000 cfm)	1
5		1	Baghouse (PCD – 12,500 cfm)	1
6	Spray Coating (Bay 9)	1	Building Enclosure Paint Arrestor Filters	1
7	Spray Coating (Bay 12)	1	Portable Dust Collectors #1 and/or #2	2
8	Portable Surface Prep and Spray Coating Operations	1	Portable Dust Collector #1 (Torit – 14,000 cfm)	1
9		1	Portable Dust Collector #2 (Farr – 15,000 cfm)	1
10	Outdoor Surface Prep and Spray Coating Operations	1	Dust Collectors Vacuum Units	5
11	Outdoor Portable Engines	12	Engine Age Restriction Operational Limitations Ultra-low Sulfur Fuel ($\leq 0.0015\%$ by wt)	N/A
12	PD 2100-D Skid-Mounted Vacuum System Engine	1	EPA Tier 1 Certification Ultra-low Sulfur Fuel ($<0.0015\%$ by wt)	1
13	PD 2100-D Skid Mounted Vacuum	1	Cartridge-style Fabric Filters	1
14	Wheelabrator Abrasive Blasting Unit	1	Wheelabrator Baghouse (Dustube – 4,400 acfm)	1
15	Portable Natural Gas Fired Heaters	~8	Low Sulfur Fuel (natural gas)	N/A
16	Portable Engine Whisper Watt Generator	1	Ultra-low Sulfur Fuel ($<0.0015\%$ by wt)	1

2. Approval Conditions

The following tables detail the specific requirements of this permit. In addition to the requirements listed below, equipment at this facility may be subject to other federal, state, and local regulations. The permit requirement number is identified in the left hand column. The text of the permit requirement is contained in the middle column. The emission unit, equipment, or activity to which the permit requirement applies is listed in the right hand column.

This Permit supersedes Air Discharge Permit 09-2884 in its entirety.

2.1 Emission Limits

No.	Emission Limits	Equipment/ Activity										
1.	Facilitywide HAP emissions shall not exceed 24.0 tpy. Compliance with this emission limit shall be determined by summing total emissions for successive 12 consecutive month periods rolled in monthly increments. Annual emissions shall be calculated using actual material throughput/consumption and applicable emission factors consistent with the methodology found in Section 6 of the Technical Support Document for this Permit.	1-16										
2.	Facilitywide emissions of individual TAP compounds not listed individually in Condition 7 shall not exceed the lesser of 7.5 tpy or the applicable SQER pursuant to WAC 173-460 (effective August 21, 1998). Annual emissions shall be calculated using actual material throughput/consumption and applicable emission factors consistent with the methodology found in Section 6 of the Technical Support Document for this Permit.	1-16										
3.	<p>Visible emissions shall not exceed the values listed below for more than 3 minutes in any one hour period as determined by a Certified Observer in accordance with SWCAA Method 9.</p> <table data-bbox="250 814 1136 919"> <thead> <tr> <th data-bbox="250 814 435 846"><u>Emission Unit</u></th> <th data-bbox="954 814 1133 846"><u>Opacity Limit</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="250 846 526 877">Diesel engine exhaust</td> <td data-bbox="954 846 1013 877">5%*</td> </tr> <tr> <td data-bbox="250 877 509 909">All other equipment</td> <td data-bbox="954 877 997 909">0%</td> </tr> </tbody> </table> <p>* The opacity limit for engine exhaust is not applicable during periods of cold start-up.</p>	<u>Emission Unit</u>	<u>Opacity Limit</u>	Diesel engine exhaust	5%*	All other equipment	0%	1-16				
<u>Emission Unit</u>	<u>Opacity Limit</u>											
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4.	PM/PM ₁₀ /PM _{2.5} emissions from welding operations shall not exceed 0.95 tpy. Annual emissions shall be calculated from actual material usage and applicable emission factors consistent with the methodology found in Section 6 of the Technical Support Document for this Permit.	1										
5.	PM emission concentrations, as measured at the exhaust of each dust collector and vacuum unit shall not exceed 0.005 gr/dscf (1-hour average).	2-5, 8-10										
6.	<p>PM/PM₁₀/PM_{2.5} emissions from dust collector operation shall not exceed the following:</p> <table data-bbox="250 1304 1062 1482"> <thead> <tr> <th data-bbox="250 1304 444 1335"><u>Dust Collectors</u></th> <th data-bbox="857 1304 1062 1335"><u>Emission Limit</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="250 1335 716 1367">Sandblast Room (all units combined)</td> <td data-bbox="857 1335 964 1367">8.00 tpy</td> </tr> <tr> <td data-bbox="250 1367 618 1398">Plasma Cutter Dust Collector</td> <td data-bbox="857 1367 964 1398">0.28 tpy</td> </tr> <tr> <td data-bbox="250 1398 675 1430">Portable Dust Collector #1 (Torit)</td> <td data-bbox="857 1398 964 1430">2.63 tpy</td> </tr> <tr> <td data-bbox="250 1430 675 1461">Portable Dust Collector #2 (Farr)</td> <td data-bbox="857 1430 964 1461">2.82 tpy</td> </tr> </tbody> </table> <p>Annual emissions shall be calculated from actual hours of operation consistent with the methodology found in Section 6 of the Technical Support Document for this Permit.</p>	<u>Dust Collectors</u>	<u>Emission Limit</u>	Sandblast Room (all units combined)	8.00 tpy	Plasma Cutter Dust Collector	0.28 tpy	Portable Dust Collector #1 (Torit)	2.63 tpy	Portable Dust Collector #2 (Farr)	2.82 tpy	2-5, 8-9
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No.	Emission Limits	Equipment/ Activity																		
7.	<p>Facilitywide emissions from spray coating operations shall not exceed:</p> <table border="0"> <thead> <tr> <th data-bbox="253 268 370 296"><u>Pollutant</u></th> <th data-bbox="672 268 862 296"><u>Emission Limit</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="253 302 375 329">PM/PM₁₀</td> <td data-bbox="672 302 756 329">1.5 tpy</td> </tr> <tr> <td data-bbox="253 336 321 363">VOC</td> <td data-bbox="672 336 773 363">42.0 tpy</td> </tr> <tr> <td data-bbox="253 369 402 396">Isopropynol</td> <td data-bbox="672 369 756 396">6.0 tpy</td> </tr> <tr> <td data-bbox="253 403 337 430">MIBK</td> <td data-bbox="672 403 756 430">6.0 tpy</td> </tr> <tr> <td data-bbox="253 436 358 464">Toluene</td> <td data-bbox="672 436 756 464">7.0 tpy</td> </tr> <tr> <td data-bbox="253 470 342 497">Xylene</td> <td data-bbox="672 470 756 497">7.5 tpy</td> </tr> <tr> <td data-bbox="253 504 375 531">Cadmium</td> <td data-bbox="672 504 792 531">0.05 lb/yr</td> </tr> <tr> <td data-bbox="253 537 391 564">Manganese</td> <td data-bbox="672 537 805 564">1,138 lb/yr</td> </tr> </tbody> </table> <p>Compliance shall be determined by summing total emissions for successive 12 consecutive month periods rolled in monthly increments. Annual emissions shall be calculated using actual coating/material usage consistent with the methodology found in Section 6 of the Technical Support Document for this Permit.</p>	<u>Pollutant</u>	<u>Emission Limit</u>	PM/PM ₁₀	1.5 tpy	VOC	42.0 tpy	Isopropynol	6.0 tpy	MIBK	6.0 tpy	Toluene	7.0 tpy	Xylene	7.5 tpy	Cadmium	0.05 lb/yr	Manganese	1,138 lb/yr	6-10
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8.	<p>Combined emissions from dust collectors used in support of outdoor operations shall not exceed:</p> <table border="0"> <thead> <tr> <th data-bbox="253 869 370 896"><u>Pollutant</u></th> <th data-bbox="672 869 862 896"><u>Emission Limit</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="253 903 375 930">PM/PM₁₀</td> <td data-bbox="699 903 800 930">1.00 tpy</td> </tr> <tr> <td data-bbox="253 936 326 963">PM_{2.5}</td> <td data-bbox="699 936 800 963">0.23 tpy</td> </tr> </tbody> </table> <p>Annual emissions shall be calculated from actual hours of operation and rated airflow consistent with the methodology in Section 6 of the Technical Support Document for this Permit.</p>	<u>Pollutant</u>	<u>Emission Limit</u>	PM/PM ₁₀	1.00 tpy	PM _{2.5}	0.23 tpy	10												
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9.	<p>Combined emissions from portable engines used in support of outdoor operations shall not exceed:</p> <table border="0"> <thead> <tr> <th data-bbox="253 1215 370 1243"><u>Pollutant</u></th> <th data-bbox="672 1215 862 1243"><u>Emission Limit</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="253 1249 318 1276">NO_x</td> <td data-bbox="699 1249 800 1276">6.00 tpy</td> </tr> <tr> <td data-bbox="253 1283 293 1310">CO</td> <td data-bbox="699 1283 800 1310">7.60 tpy</td> </tr> <tr> <td data-bbox="253 1316 451 1344">PM/PM₁₀/PM_{2.5}</td> <td data-bbox="699 1316 800 1344">0.68 tpy</td> </tr> <tr> <td data-bbox="253 1350 321 1377">VOC</td> <td data-bbox="699 1350 800 1377">0.88 tpy</td> </tr> </tbody> </table> <p>Annual emissions shall be calculated from actual operation and applicable emission factors consistent with the methodology found in Section 6 of the Technical Support Document for this Permit.</p>	<u>Pollutant</u>	<u>Emission Limit</u>	NO _x	6.00 tpy	CO	7.60 tpy	PM/PM ₁₀ /PM _{2.5}	0.68 tpy	VOC	0.88 tpy	11								
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10.	<p>Emissions from the PD 2100-D Skid-Mounted Vacuum System Engine shall not exceed:</p> <table border="0"> <thead> <tr> <th data-bbox="253 1602 370 1629"><u>Pollutant</u></th> <th data-bbox="672 1602 862 1629"><u>Emission Limit</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="253 1635 318 1663">NO_x</td> <td data-bbox="699 1635 800 1663">1.02 tpy</td> </tr> <tr> <td data-bbox="253 1669 293 1696">CO</td> <td data-bbox="699 1669 800 1696">0.27 tpy</td> </tr> <tr> <td data-bbox="253 1703 451 1730">PM/PM₁₀/PM_{2.5}</td> <td data-bbox="699 1703 800 1730">0.06 tpy</td> </tr> <tr> <td data-bbox="253 1736 321 1764">VOC</td> <td data-bbox="699 1736 800 1764">0.11 tpy</td> </tr> </tbody> </table> <p>Annual emissions shall be calculated from actual operation and applicable emission factors consistent with the methodology found in Section 6 of the Technical Support Document for this Permit.</p>	<u>Pollutant</u>	<u>Emission Limit</u>	NO _x	1.02 tpy	CO	0.27 tpy	PM/PM ₁₀ /PM _{2.5}	0.06 tpy	VOC	0.11 tpy	12								
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VOC	0.11 tpy																			

No.	Emission Limits	Equipment/ Activity										
11.	PM/PM ₁₀ /PM _{2.5} emissions from the PD 2100-D Skid-Mounted Vacuum System exhaust shall not exceed 0.005 gr/dscf (1-hr avg) and 0.07 tpy.	13										
12.	PM/PM ₁₀ /PM _{2.5} emissions from the Wheelabrator Abrasive Blasting Unit baghouse shall not exceed 0.005 gr/dscf (1-hr avg) and 1.88 tpy.	14										
13.	<p>Emissions from process space heater operation shall not exceed:</p> <table border="0" data-bbox="250 447 865 630"> <thead> <tr> <th data-bbox="250 447 370 478"><u>Pollutant</u></th> <th data-bbox="670 447 865 478"><u>Emission Limit</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="250 485 315 516">NO_x</td> <td data-bbox="699 485 802 516">1.76 tpy</td> </tr> <tr> <td data-bbox="250 522 298 554">CO</td> <td data-bbox="699 522 802 554">1.48 tpy</td> </tr> <tr> <td data-bbox="250 560 456 592">PM/PM₁₀/PM_{2.5}</td> <td data-bbox="699 560 802 592">0.14 tpy</td> </tr> <tr> <td data-bbox="250 598 321 630">VOC</td> <td data-bbox="699 598 802 630">0.10 tpy</td> </tr> </tbody> </table> <p>Annual emissions shall be calculated from actual fuel consumption and applicable emissions factors consistent with the methodology found in Section 6 of the Technical Support Document for this Permit.</p>	<u>Pollutant</u>	<u>Emission Limit</u>	NO _x	1.76 tpy	CO	1.48 tpy	PM/PM ₁₀ /PM _{2.5}	0.14 tpy	VOC	0.10 tpy	15
<u>Pollutant</u>	<u>Emission Limit</u>											
NO _x	1.76 tpy											
CO	1.48 tpy											
PM/PM ₁₀ /PM _{2.5}	0.14 tpy											
VOC	0.10 tpy											
14.	<p>Emissions from the Whisper Watt generator engine shall not exceed:</p> <table border="0" data-bbox="250 833 865 1016"> <thead> <tr> <th data-bbox="250 833 370 865"><u>Pollutant</u></th> <th data-bbox="670 833 865 865"><u>Emission Limit</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="250 871 315 903">NO_x</td> <td data-bbox="699 871 802 903">0.56 tpy</td> </tr> <tr> <td data-bbox="250 909 298 940">CO</td> <td data-bbox="699 909 802 940">0.12 tpy</td> </tr> <tr> <td data-bbox="250 947 456 978">PM/PM₁₀/PM_{2.5}</td> <td data-bbox="699 947 802 978">0.04 tpy</td> </tr> <tr> <td data-bbox="250 984 321 1016">VOC</td> <td data-bbox="699 984 802 1016">0.05 tpy</td> </tr> </tbody> </table> <p>Annual emissions shall be calculated from actual operation and applicable emission factors consistent with the methodology found in Section 6 of the Technical Support Document for this Permit.</p>	<u>Pollutant</u>	<u>Emission Limit</u>	NO _x	0.56 tpy	CO	0.12 tpy	PM/PM ₁₀ /PM _{2.5}	0.04 tpy	VOC	0.05 tpy	16
<u>Pollutant</u>	<u>Emission Limit</u>											
NO _x	0.56 tpy											
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PM/PM ₁₀ /PM _{2.5}	0.04 tpy											
VOC	0.05 tpy											

2.2 Operating Limits and Requirements

No.	Operating Limits and Requirements	Equipment/ Activity
15.	Reasonable precautions shall be taken at all times to prevent and minimize fugitive emissions from plant operations.	Facilitywide
16.	Operations that cause or contribute to a nuisance odor shall use recognized good practice and procedures to reduce these odors to a reasonable minimum.	Facilitywide
17.	Emission units identified in this Permit shall be maintained and operated in total and continuous conformity with the conditions identified in this Permit. SWCAA reserves the right to take any and all appropriate action to maintain the conditions of this Permit, including directing the facility to cease operations until corrective action can be completed.	1-16
18.	Each pollution control device shall be operated whenever the processing equipment served by that control device is in operation. Control devices shall be operated and maintained in accordance with the manufacturer's specifications. Furthermore, control devices shall be operated in a manner that minimizes emissions.	1-16

No.	Operating Limits and Requirements	Equipment/ Activity
19.	All containers of VOC containing materials shall be kept securely closed with a lid in place except when in active use. Open containers for storage, transfer or disposal of VOC containing materials are prohibited. In addition, all VOC containing materials used to clean and/or flush spray equipment or lines during clean up shall be collected and stored in a closed container.	6-10
20.	The VOC content of coatings used to coat miscellaneous metal parts and products and architectural coatings at the facility shall not exceed the limitations contained in SWCAA 490-205(2) and SWCAA 493-300-030, respectively.	6-10
21.	Each dust collector and baghouse shall be equipped with a pressure gauge capable of continuously measuring the differential pressure across filtration media in the unit.	2-5, 7-10, 14
22.	Differential pressure across the filtration media in the plasma cutting cartridge collector shall not exceed 6.0" w.c.	2
23.	Doors and entryways in Bay 9, Bay 12, and the sandblasting room shall remain closed at all times during active use.	3-7
24.	Portable and outdoor surface prep and spray coating activities shall be fully enclosed at all times during active operation. Enclosures shall be exhausted to a dust collector or other control device which will reliably achieve 99.9% control efficiency or better for particulate matter with an aerodynamic diameter of 0.5 microns or larger.	8-10
25.	Outdoor surface prep and spray coating operations shall only be utilized when the pieces being processed are too large to be reasonably accommodated in the facility's regular surface prep equipment and/or spray coating bays.	10-11
26.	Portable engines shall be used in support of outdoor operations only when landline utility power is not reasonably available for the same purpose.	11
27.	Portable engines used in support of outdoor operations shall be no more than 10 model years old.	11
28.	Individual engines used in support of outdoor operations shall not operate in excess of 1,000 hr/yr.	11
29.	Combined power output from portable engines used in support of outdoor operations shall not exceed 800,000 hp-hr/yr. Compliance with this limit shall be determined by summing total power output for successive 12 consecutive month periods rolled in monthly increments.	11
30.	Diesel engines shall only be fired on #2 diesel or better. The sulfur content of the fuel fired in the diesel engine shall not exceed 0.0015% by weight (15 ppm). A fuel certification from the fuel supplier may be used to demonstrate compliance with this requirement. Alternate fuels may be proposed, but each alternate fuel shall be approved by SWCAA prior to use.	11-12, 16
31.	The PD 2100-D Skid-Mounted Vacuum System shall not operate more than 1,500 hr/yr. A nonresettable time totalizer shall be installed and used to measure hours of operation.	12-13
32.	Exhaust from the Wheelabrator baghouse shall be discharged vertically. Any device that obstructs or prevents vertical discharge is prohibited.	14

No.	Operating Limits and Requirements	Equipment/ Activity
33.	The Whisper Watt generator shall not operate more than 200 hr/yr. A nonresettable time totalizer shall be installed and used to measure hours of operation.	16

2.3 Monitoring and Recordkeeping Requirements

No.	Monitoring and Recordkeeping Requirements	Equipment/ Activity																								
34.	Each record required by this Permit shall include the date and the name of the person making the record entry. If a control device or process is not operating during a specific time period, a record shall be made to that effect.	1-16																								
35.	All records required by this Permit shall be kept for a minimum period of no less than five years and shall be maintained in a form readily available for inspection by SWCAA representatives.	1-16																								
36.	Excess emissions and upset conditions shall be recorded for each occurrence.	1-16																								
37.	<p>Operational data shall be monitored and recorded as follows:</p> <table border="0"> <tbody> <tr> <td>(a) Dust collector / baghouse differential pressure</td> <td>Recorded weekly</td> </tr> <tr> <td>(b) Coating and solvent consumption</td> <td>Recorded monthly</td> </tr> <tr> <td>(c) Welding rod consumption</td> <td>Recorded monthly</td> </tr> <tr> <td>(d) Dust collector operation (hr/unit)</td> <td>Recorded monthly</td> </tr> <tr> <td>(d) Space heater fuel consumption</td> <td>Recorded monthly</td> </tr> <tr> <td>(e) Portable engine operation (hr/unit)</td> <td>Recorded monthly</td> </tr> <tr> <td>(f) PD 2100-D Vacuum System operation</td> <td>Recorded monthly</td> </tr> <tr> <td>(g) Air emissions</td> <td>Recorded monthly</td> </tr> <tr> <td>(h) Make, model, serial number and horsepower rating of portable engines</td> <td>Recorded for each engine</td> </tr> <tr> <td>(i) Sulfur certification for engine fuel</td> <td>Recorded for each fuel batch</td> </tr> <tr> <td>(j) Type and quantity of hazardous waste disposal</td> <td>Recorded for each occurrence</td> </tr> <tr> <td>(k) Equipment repair and maintenance activity</td> <td>Recorded for each occurrence</td> </tr> </tbody> </table>	(a) Dust collector / baghouse differential pressure	Recorded weekly	(b) Coating and solvent consumption	Recorded monthly	(c) Welding rod consumption	Recorded monthly	(d) Dust collector operation (hr/unit)	Recorded monthly	(d) Space heater fuel consumption	Recorded monthly	(e) Portable engine operation (hr/unit)	Recorded monthly	(f) PD 2100-D Vacuum System operation	Recorded monthly	(g) Air emissions	Recorded monthly	(h) Make, model, serial number and horsepower rating of portable engines	Recorded for each engine	(i) Sulfur certification for engine fuel	Recorded for each fuel batch	(j) Type and quantity of hazardous waste disposal	Recorded for each occurrence	(k) Equipment repair and maintenance activity	Recorded for each occurrence	1-16
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2.4 Emission Monitoring and Testing Requirements

No.	Emission Monitoring and Testing Requirements	Equipment/ Activity
38.	Emission testing of the Wheelabrator baghouse shall be conducted no later than the end of November 2009. Subsequent emission testing shall be conducted at least once every 7 seven years thereafter, no later than the end of November of the affected year. All testing shall be conducted in accordance with Appendix A of this Air Discharge Permit. The use of an alternative test schedule or method must be pre-approved by SWCAA in writing.	14

2.5 Reporting Requirements

No.	Reporting Requirements	Equipment/ Activity
39.	<p>The permittee shall notify SWCAA at least seven days in advance of the use of any new material which results in the emission of toxic or hazardous air pollutants not listed in Section 6 of the Technical Support Document for this Permit. In response to the notification, SWCAA may require that a written report be submitted with the following:</p> <ul style="list-style-type: none"> (a) A description of the proposed change(s) in materials with an MSDS for each new material, (b) The date the change(s) is (are) to be made, (c) The change(s) in emissions of VOCs, HAPs and TAPs occurring as a result of the change, and (d) A summary of any applicable requirement(s) that would apply as a result of the change(s). <p>If the proposed emission rate of a new TAP exceeds the applicable SQER and/or other emission limits established by this Permit or otherwise circumvents an applicable requirement, New Source Review may be required prior to making the proposed change. Any new product used only for testing purposes does not need to be reported to SWCAA prior to use, provided the quantity of usage does not exceed five (5) gallons.</p>	Facilitywide
40.	<p>An annual emissions inventory report shall be submitted in accordance with SWCAA 400-105(1). In addition to the emissions information required under SWCAA 400-105(1), each annual report shall include an estimate of annual emission quantities for each TAP compound listed in the Technical Support Document for this Permit.</p>	Facilitywide
41.	<p>Excess emissions shall be reported to SWCAA as follows:</p> <ul style="list-style-type: none"> • As soon as possible, but no later than 12 hours after discovery for emissions that represent a potential threat to human health or safety; • As soon as possible, but no later than 48 hours after discovery for emissions which the permittee wishes to claim as unavoidable pursuant to SWCAA 400-107(1); and • No later than 30 days after the end of the month of discovery for all other excess emissions. 	1-16
42.	<p>The following operational data shall be reported to SWCAA by September 15 and March 15 for the preceding periods of January to June and July to December, respectively:</p> <ul style="list-style-type: none"> (a) Monthly coating and solvent consumption; (b) Monthly welding rod consumption; (c) Monthly process space heater fuel consumption; (d) Hours of operation for each dust collector and baghouse; (e) Hours of operation for PD 2100-D Vacuum System; (f) Type and quantity of hazardous waste disposal; and (g) A summary of monthly air emissions during the reporting period. 	1-16
43.	<p>Emission test results shall be reported to SWCAA in writing within 45 days of test completion.</p>	1-16

No.	Reporting Requirements	Equipment/ Activity
44.	<p>At least 15 days prior to conducting a temporary outdoor operation, the Permittee shall submit a written report to SWCAA containing a description of all portable equipment proposed for use with the pending project. Equipment descriptions shall include, at a minimum, the following information for each proposed unit:</p> <ul style="list-style-type: none"> (a) Equipment classification (dust collector, generator, air compressor, etc.); (b) Identification of power source (electric, engine driven, etc.); (c) Rated capacity (flowrate, power rating, fuel consumption rate, etc.); (d) Expected operating schedule; and (e) Make, model, serial number and horsepower rating of associated portable engines. 	10-11
45.	<p>Within 30 days of completing a temporary outdoor operation, the Permittee shall submit a written report to SWCAA containing the following information for each project:</p> <ul style="list-style-type: none"> (a) Total operation of each piece of portable equipment (hours); (b) Rated capacity of each piece of portable equipment (flowrate, power rating, etc.); (c) Make, model, serial number, and horsepower rating of each portable engine used in support of the project; (d) Total operation of each portable engine used in support of the project; (e) Cumulative portable engine power output for the project (hp-hr); and (f) A summary of air emissions resulting from the project. 	10-11

3. General Provisions

No.	General Provisions
A.	<p>For the purpose of ensuring compliance with this Permit, duly authorized representatives of the Southwest Clean Air Agency shall be permitted access to the permittee's premises and the facilities being constructed, owned, operated and/or maintained by the permittee for the purpose of inspecting said facilities. These inspections are required to determine the status of compliance with this Permit and applicable regulations and to perform or require such tests as may be deemed necessary.</p>
B.	<p>The provisions, terms and conditions of this Permit shall be deemed to bind the permittee, its officers, directors, agents, servants, employees, successors and assigns, and all persons, firms, and corporations acting under or for the permittee.</p>
C.	<p>The requirements of this Permit shall survive any transfer of ownership of the source or any portion thereof.</p>
D.	<p>This Permit shall be posted conspicuously at or be readily available near the source.</p>
E.	<p>This Permit shall be invalid if construction/installation has not commenced within eighteen months from date of issuance.</p>
F.	<p>This Permit does not supersede requirements of other Agencies with jurisdiction and further, this Permit does not relieve the permittee of any requirements of any other governmental Agency. In addition to this Permit, the permittee may be required to obtain permits or approvals from other agencies with jurisdiction.</p>

No.	General Provisions
G.	Compliance with the terms of this Permit does not relieve the permittee from the responsibility of compliance with SWCAA General Regulations for Air Pollution Sources, previously issued Regulatory Orders, RCW 70.94, Title 173 WAC or any other applicable emission control requirements, nor from the resulting liabilities and/or legal remedies for failure to comply.
H.	If any provision of this Permit is held to be invalid, all unaffected provisions of the Permit shall remain in effect and be enforceable.
I.	No change in this Permit shall be made or be effective except as may be specifically set forth by written order of the Southwest Clean Air Agency upon written application by the permittee for the relief sought.
J.	The Southwest Clean Air Agency may, in accordance with RCW 70.94 impose such conditions as are reasonably necessary to assure the maintenance of compliance with the terms of this Permit, the Washington Clean Air Act, and the applicable rules and regulations adopted under the Washington Clean Air Act.

Air Discharge Permit 09-2884R1 - Appendix A
Emission Testing Requirements
Wheelabrator Baghouse

1. Introduction:

The purpose of this testing is to quantify emissions from the Wheelabrator baghouse and to assure compliance with applicable terms and conditions of this Air Discharge Permit.

2. Testing Requirements:

- a. Initial emission testing of the Wheelabrator baghouse shall be conducted no later than the end of November 2009. Subsequent emission testing of the Wheelabrator baghouse shall be conducted no later than the end of November at least once every 7 years following the initial source test. The use of an alternative test schedule or method must be pre-approved by SWCAA in writing.

Testing for each constituent shall consist of a minimum of three sampling runs of the duration specified below.

<u>Constituent</u>	<u>Test Method or Equivalent¹</u>	<u>Minimum Test Duration</u>
Stack gas velocity, flow rate	EPA Methods 1 and 2	N/A
O ₂ and CO ₂	May assume ambient concentrations	
Moisture	EPA Method 4	60 minutes
Particulate matter	EPA Method 5 / 17	60 minutes
Visible emissions	SWCAA Method 9 / 22	6 minutes

¹ The use of an alternate or equivalent test method must be pre-approved by SWCAA in writing.

- b. A comprehensive test plan shall be submitted to SWCAA for review and approval at least 10 business days prior to testing.
- c. SWCAA personnel shall be notified at least 5 days prior to the testing campaign so that they may be present during testing.

3. Source Operation:

- a. A complete record of operational parameters applicable to the testing, including but not limited to, material throughputs, startups and shutdowns shall be kept during emissions testing to correlate operations with emissions and shall be recorded in the final report of the test results.
- b. Source operations during emissions testing must be representative of maximum intended operating conditions.

Air Discharge Permit 09-2884R1 - Appendix A
Emission Testing Requirements
Wheelabrator Baghouse

4. Reporting:

The results of all required testing shall be submitted to SWCAA within 45 days of test completion. A single hard copy of the report and an electronic copy (e.g. Adobe format) of the report shall be submitted. The report shall include:

- a. A description of the source including manufacturer, model number and design capacity of the equipment, and the location of the sample ports or test locations.
- b. Time and date of the test and identification and qualifications of the personnel involved.
- c. A summary of results, reported in units and averaging periods consistent with the applicable emission standard or limit.
- d. A summary of control system or equipment operating conditions.
- e. A summary of production related parameters.
- f. A description of the test methods or procedures used including all field data, quality assurance/quality control procedures and documentation.
- g. A description of the analytical procedures used including all laboratory data, quality assurance/quality control procedures and documentation.
- h. Copies of field data and example calculations.
- i. Chain of custody information.
- j. Calibration documentation.
- k. Discussion of any abnormalities associated with the results.
- l. A statement signed by the senior management official of the testing firm certifying the validity of the source test report.

