



Southwest Clean Air Agency

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February 12, 2015

Mr. Andy Vogt
Northwest Demolition & Dismantling
PO Box 230819
Tigard, OR 97281

Subject: Final Air Discharge Permit / Nonroad Engine Permit for Installation of Crushing Equipment

Dear Mr. Vogt:

A final determination to issue Air Discharge Permit / Nonroad Engine Permit 15-3124 has been completed for Air Discharge Permit / Nonroad Engine Permit Application CO-949 pursuant to Section 400-110(4) and Section 400-046(4) of the General Regulations for Air Pollution Sources of the Southwest Clean Air Agency (SWCAA). Public notice for Application CO-949 was published in the permit section of SWCAA's internet website on January 8, 2015. SWCAA did not receive a request for a public comment period in response to the public notice, and has concluded that significant public interest does not exist for this determination. Therefore, a public comment period will not be provided for this permitting action. Electronic copies of Air Discharge Permit / Nonroad Engine Permit 15-3124 and the associated Technical Support Document are available for public review in the permit section of SWCAA's internet website (www.swcleanair.org/permitsADPfinals.asp). Original copies are enclosed for your files.

This Air Discharge Permit / Nonroad Engine 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.

If you have any comments, or desire additional information, please contact me or Clint Lamoreaux at (360) 574-3058, extension 131.

Sincerely,

Uri Papish
Executive Director

UP: cl
Attachment



SOUTHWEST CLEAN AIR AGENCY

**AIR DISCHARGE PERMIT / NONROAD ENGINE PERMIT
SWCAA 15-3124**

Issued: February 12, 2015

Facility Name: Northwest Demolition & Dismantling
Physical Location: Portable

SWCAA ID: 2236

REVIEWED BY: *Paul T. Mairose*
Paul T. Mairose, Chief Engineer

APPROVED BY: *Uri Papish*
Uri Papish, Executive Director



TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. Equipment/Activity Identification	1
2. Approval Conditions	1
2.1 Emission Limits	1
2.2 Operating Limits and Requirements	2
2.3 Monitoring and Recordkeeping Requirements	3
2.4 Emission Monitoring and Testing Requirements	4
2.5 Reporting Requirements	4
3. General Provisions	5

Appendix A – Emission Testing Requirements



1. Equipment/Activity Identification

ID No.	Generating Equipment/Activity	# of Units	Control Measure/Equipment	# of Units
1	Crusher (Eagle Crusher / 1000-15 CV)	1	High pressure wet suppression at crusher entrance	N/A
2	Haul Roads and Conveyors	3	Wet suppression as necessary	N/A
3	Generator Engine (nonroad engine) (Detroit Diesel / ~500 hp capacity operating at ~310 hp)	1	Ultra-low sulfur diesel, EPA Tier 2 Certification	N/A

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.

Air Discharge Permit 04-2539 is superseded in its entirety by this Air Discharge Permit.

2.1 Emission Limits

No.	Emission Limits	Equipment/Activity						
1.	<p>Emissions from crushing operations (crushing, material handling, and haul roads) must not exceed:</p> <table border="0"> <tr> <td><u>Pollutant</u></td> <td><u>Emission Limit</u></td> </tr> <tr> <td>PM₁₀</td> <td>1.16 tons per year</td> </tr> <tr> <td>PM_{2.5}</td> <td>0.19 tons per year</td> </tr> </table> <p>Annual emissions must be calculated from actual material throughput consistent with the methodology in Section 6 of the Technical Support Document for this Permit.</p>	<u>Pollutant</u>	<u>Emission Limit</u>	PM ₁₀	1.16 tons per year	PM _{2.5}	0.19 tons per year	1 - 2
<u>Pollutant</u>	<u>Emission Limit</u>							
PM ₁₀	1.16 tons per year							
PM _{2.5}	0.19 tons per year							
2.	Visible emissions from crushing and conveying equipment must not exceed 0% opacity for more than 3 minutes in any one hour period as determined in accordance with SWCAA Method 9 (See Appendix A of SWCAA 400).	1 - 2						
3.	Visible emissions from haul roads must not exceed 10% opacity for more than 3 minutes in any one hour period as determined in accordance with SWCAA Method 9 (See Appendix A of SWCAA 400).	2						
4.	<p>Visible emissions from the Generator Engine must not exceed five percent opacity for more than 3 minutes in any one hour period as determined in accordance with SWCAA Method 9 (See Appendix A of SWCAA 400) except during startup. For the purposes of this requirement, the startup period ends when the earlier of the following operating events occurs:</p> <ul style="list-style-type: none"> (a) The engine has reached normal operating temperature; or (b) The engine has been operating for 15 minutes. 	3						

2.2 Operating Limits and Requirements

No.	Operating Limits and Requirements	Equipment/ Activity
5.	Reasonable precautions must be taken at all times to prevent and minimize fugitive emissions from plant operations.	Facilitywide
6.	Operations that cause or contribute to a nuisance odor must use recognized good practice and procedures to reduce these odors to a reasonable minimum.	Facilitywide
7.	Material handling points including, but not limited to, conveyor transfer points, aggregate storage piles, and haul roads must be watered as necessary to control fugitive dust emissions.	Facilitywide
8.	The crusher must be equipped with a high pressure water spray system or other wet suppression system reviewed and approved by SWCAA to provide equivalent or superior control of particulate matter emissions. The wet suppression system must control dust at the inlet to the crusher. Each high pressure spray system must be capable of maintaining an operating pressure of 80 psig or greater and must maintain 80 psig or greater during operation. A functional pressure gauge must be maintained onsite and a connection point provided for the purpose of demonstrating compliance with the minimum pressure requirement for high pressure spray systems.	1
9.	Each pollution control device (e.g. water spray or fog systems) must be operated whenever the processing equipment served by that control device is in operation. Control devices must be operated and maintained in accordance with the manufacturer's specifications. Furthermore, control devices must be operated in a manner that minimizes emissions.	1
10.	Spray/fog nozzles in the water spray system for the crusher must be visually inspected once per week when in operation to ensure proper function. Clogged or defective nozzles must be replaced or repaired prior to subsequent operation.	1
11.	Additional wet suppression must be provided as necessary to control fugitive dust from haul roads, crushing, and material handling equipment in the event that process changes or weather patterns result in insufficient water application to control fugitive dust from plant operations.	1 - 2
12.	The permittee must notify SWCAA at least 10 business days in advance of relocating approved equipment to, from, or within SWCAA's jurisdiction (Clark, Cowlitz, Lewis, Skamania, and Wahkiakum Counties) and shall submit operational information (production quantities, hours of operation, location of nearest neighbor, etc.) sufficient to demonstrate that proposed operations in SWCAA's jurisdiction will comply with the emission standards for a new source, and will not cause a violation of applicable ambient air quality standards, and if in a nonattainment area, will not interfere with scheduled attainment of ambient standards.	1 - 3

No.	Operating Limits and Requirements	Equipment/ Activity
13.	For locations within SWCAA's jurisdiction, the permittee must notify all property owners immediately adjacent to a new operating site a minimum of 10 business days in advance of the intended relocation. Such written notification must include a complete description of the proposed operation, the emissions control provisions and equipment, the total estimated project emissions, the name, address and phone number of the person in charge of the operation, and contact information for SWCAA. Response from adjacent landowners must be directed to SWCAA. Authorized operations are dependent on the receipt of public response regarding the proposed relocation.	1 - 3
14.	The Generator Engine must only be fired on #2 diesel or better. The sulfur content of the fuel fired in the diesel engines must not exceed 0.0015% by weight (15 ppm). A fuel certification from the fuel supplier or test results using an appropriate method listed in 40 CFR 60.17 may be used to demonstrate compliance with this requirement.	3
15.	A nonresettable time totalizer must be installed and used to measure the number of hours the Generator Engine operates.	3
16.	Emission units identified in this Permit must 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.	Facilitywide

2.3 Monitoring and Recordkeeping Requirements

No.	Monitoring and Recordkeeping Requirements	Equipment/ Activity
17.	With the exception of data logged by an automated computer system, each record required by this Permit must 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 must be made to that effect.	Facilitywide
18.	All records required by this Permit must be kept for a minimum period of no less than three years and must be maintained in a form readily available for inspection by SWCAA representatives.	Facilitywide
19.	A description of upset conditions and excess emissions events must be recorded for each occurrence.	Facilitywide

No.	Monitoring and Recordkeeping Requirements	Equipment/ Activity
20.	<p>The following information must be collected, recorded at the intervals specified below, and readily available on-site for inspection:</p> <ul style="list-style-type: none"> (a) Visual inspection and maintenance of spray/fog nozzles shall be recorded for each occurrence; (b) Quantity and size of material throughput must be recorded monthly for each site; (c) Air quality related complaints must be recorded for each occurrence; (d) Maintenance of spray/fog nozzles must be recorded for each occurrence; (e) The number of hours the Generator Engine is operated must be recorded for each site and each calendar year; (f) The fuel sulfur content of the diesel burned in the Generator Engine must be determined and recorded for each fuel delivery. A fuel certification from the fuel supplier or test results using an appropriate method listed in 40 CFR 60.17 may be used to comply with this requirement; and (g) Relocation of equipment identified in this permit must be recorded for each occurrence. 	1 - 3

2.4 Emission Monitoring and Testing Requirements

No.	Emission Monitoring and Testing Requirements	Equipment/ Activity
	None	

2.5 Reporting Requirements

No.	Reporting Requirements	Equipment/ Activity
21.	All air quality related complaints, including dust complaints, received by the permittee shall be reported to SWCAA within three days of receipt.	Facilitywide
22.	<p>Excess emissions shall be reported to SWCAA as follows:</p> <ul style="list-style-type: none"> (a) As soon as possible, but no later than 12 hours after discovery for emissions that represent a potential threat to human health or safety; (b) 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 (c) No later than 30 days after the end of the month of discovery for all other excess emissions. 	Facilitywide
23.	Deviations from permit conditions shall be reported no later than 30 days after the end of the month during which the deviation is discovered.	Facilitywide

No.	Reporting Requirements	Equipment/ Activity
24.	<p>The following emission-related information shall be reported to SWCAA by March 15th for the previous calendar year:</p> <ul style="list-style-type: none"> (a) The total quantity and size of material crushed at each location; (b) The average length of unpaved haul road controlled by the permittee at each location; (c) The total number of hours the Generator Engine operated at each location; and (d) Air emissions of criteria air pollutants, volatile organic compounds, toxic air pollutants (TAPs), and hazardous air pollutants (HAPs) for each location. 	Facilitywide

3. General Provisions

No.	General Provisions
A.	The equipment specified in this Permit must 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.
B.	For the purpose of ensuring compliance with this Permit, duly authorized representatives of the Southwest Clean Air Agency must 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.
C.	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.
D.	The requirements of this Permit shall survive any transfer of ownership of the source or any portion thereof.
E.	This Permit must be posted conspicuously at or be readily available near the source.
F.	Approval to construct, install, or modify specific pollution generating equipment becomes invalid if construction or installation is not commenced within eighteen months after the date of issuance of this Permit, if construction or installation is discontinued for a period of eighteen months or more, or if construction or installation is not completed within a reasonable time.
G.	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.
H.	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.
I.	If any provision of this Permit is held to be invalid, all unaffected provisions of the Permit shall remain in effect and be enforceable.

No.	General Provisions
J.	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.
K.	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.