

November 19, 2020

Mr. Ted Salka
Farwest Portable Crushing
PO Box 1289
Gresham, OR 97030

Subject: Final Approval for Installation of One Rock Crusher, Two Screens, and One Diesel-Fired Generator Engine at an Existing Portable Source

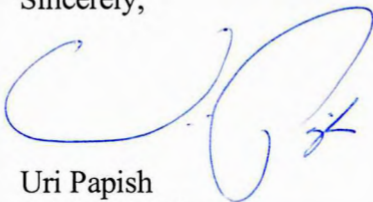
Dear Mr. Salka:

A final determination to issue Air Discharge Permit (ADP) / Nonroad Engine Permit (NEP) 20-3442 has been completed for ADP Application / NEP Application S-137 pursuant to Section 400-110(4) of the General Regulations for Air Pollution Sources of the Southwest Clean Air Agency (SWCAA). Public notice for ADP / NEP Application S-137 was published on SWCAA's internet website on July 17, 2020. 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 ADP / NEP 20-3442 and the associated Technical Support Document are available for public review in the permit section of SWCAA's internet website (<http://www.swcleanair.org/permits/adpfinal.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

Enclosures: Air Discharge Permit 20-3442 and Technical Support Document



SOUTHWEST CLEAN AIR AGENCY

**AIR DISCHARGE PERMIT / NONROAD ENGINE PERMIT
20-3442**

Issued: November 19, 2020

Facility Name: Farwest Portable Crushing
Physical Location: Portable

SWCAA ID: 2397

REVIEWED BY:


Paul T. Mairose, Chief Engineer



APPROVED BY:

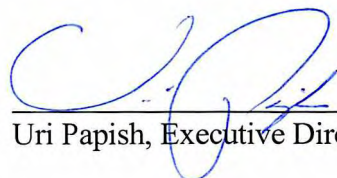

Uri Papish, Executive Director

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. Equipment/Activity Identification	1
2. Approval Conditions	1
Emission Limits	2
Operating Limits and Requirements	3
Monitoring and Recordkeeping Requirements	4
Emission Monitoring and Testing Requirements	5
Reporting Requirements	5
3. General Provisions	6
 Appendix A Emission Testing Requirements	

1. Equipment/Activity Identification

ID No.	Generating Equipment/Activity	# of Units	Control Measure/Equipment	# of Units
1	Pioneer 3042 Jaw Crusher	1	High pressure wet suppression at crusher entrance	N/A
2	Lippman Jaw Crusher	1	High pressure wet suppression at crusher entrance	N/A
3	Clemro 34x42 Jaw Crusher	1	High pressure wet suppression at crusher entrance	N/A
4	ElJay RC45STD Rollercone Crusher	1	High pressure wet suppression at crusher entrance	N/A
5	Cedarapids 4026 Roll Crusher	1	High pressure wet suppression at screen deck	N/A
6	KPI JCI 5 x 16 x 2 Screen	1	High pressure wet suppression at screen deck	N/A
7	KPI JCI 5 x 16 x 3 Screen	1	High pressure wet suppression at screen deck	N/A
8	Conveyors	N/A	Wet suppression	N/A
9	Haul Roads	N/A	Wet suppressions	N/A
10	1986 Caterpillar Generator Engine (890 hp)	1	Ultra-low sulfur diesel, limited operation	N/A
11	1995 Caterpillar Generator Engine (810 hp nonroad engine)	1	Ultra-low sulfur diesel	N/A

2. Permit Terms and Conditions

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

Air Discharge Permit 12-3002 and the approvals for Small Unit Notifications 102 and 179 are superseded in their entirety by this Air Discharge Permit / Nonroad Engine Permit.

Emission Limits

No.	Emission Limits	Equipment/ Activity								
1.	<p>Emissions from crushing and screening operations (blasting, crushing, screening, and haul roads) must not exceed:</p> <table border="0" data-bbox="240 386 721 533"> <thead> <tr> <th><u>Pollutant</u></th> <th><u>Emission Limit</u></th> </tr> </thead> <tbody> <tr> <td>PM</td> <td>4.22 tons per year</td> </tr> <tr> <td>PM₁₀</td> <td>1.19 tons per year</td> </tr> <tr> <td>PM_{2.5}</td> <td>0.18 tons per year</td> </tr> </tbody> </table> <p>Annual emissions must be calculated from actual material throughput and handling consistent with the methodology in Section 6 of the Technical Support Document for this Permit.</p>	<u>Pollutant</u>	<u>Emission Limit</u>	PM	4.22 tons per year	PM ₁₀	1.19 tons per year	PM _{2.5}	0.18 tons per year	1 – 9
<u>Pollutant</u>	<u>Emission Limit</u>									
PM	4.22 tons per year									
PM ₁₀	1.19 tons per year									
PM _{2.5}	0.18 tons per year									
2.	Visible emissions from crushing, screening, 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 – 8								
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). This does not include in-pit activities by non-road equipment.	9								
4.	<p>Emissions from the 1986 Caterpillar Generator Engine must not exceed:</p> <table border="0" data-bbox="181 1066 743 1213"> <thead> <tr> <th><u>Pollutant</u></th> <th><u>Emission Limit</u></th> </tr> </thead> <tbody> <tr> <td>NO_x</td> <td>7.36 tons per year</td> </tr> <tr> <td>CO</td> <td>0.17 tons per year</td> </tr> <tr> <td>PM₁₀</td> <td>0.54 tons per year</td> </tr> </tbody> </table> <p>Annual emissions must be calculated from the number of hours the unit operated consistent with the methodology in Section 6 of the Technical Support Document for this Permit.</p>	<u>Pollutant</u>	<u>Emission Limit</u>	NO _x	7.36 tons per year	CO	0.17 tons per year	PM ₁₀	0.54 tons per year	10
<u>Pollutant</u>	<u>Emission Limit</u>									
NO _x	7.36 tons per year									
CO	0.17 tons per year									
PM ₁₀	0.54 tons per year									
5.	<p>Visible emissions from the 1986 Caterpillar Generator Engine and the 1995 Caterpillar Generator Nonroad Engine must not exceed 10% opacity for more than 3 minutes in any one hour period as determined in accordance with SWCAA Method 9, except during periods of startup.</p> <p>For the purposes of this requirement, a startup period ends when the earlier of the following operating events occurs:</p> <ol style="list-style-type: none"> The engine has reached normal operating temperature; or The engine has been operating for 15 minutes. 	10, 11								

Operating Limits and Requirements

No.	Operating Limits and Requirements	Equipment/ Activity
6.	Reasonable precautions must be taken at all times to prevent and minimize fugitive emissions from plant operations.	Facilitywide
7.	The permittee must use recognized good practice and procedures to reduce odors to a reasonable minimum.	Facilitywide
8.	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
9.	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.	1 – 11
10.	The permittee must notify SWCAA at least 10 business days in advance of relocating approved equipment and must submit operational information (production quantities, hours of operation, location of nearest neighbor, etc.) sufficient to demonstrate that the proposed operation 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 – 11
11.	Each crusher and screen must be equipped with a high pressure water spray system or other wet suppression system reviewed and approved in advance by SWCAA to provide equivalent or superior control of particulate matter emissions. 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 – 7
12.	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 – 7
13.	Spray/fog nozzles in the water spray systems for each rock crusher and aggregate screen 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 – 7
14.	Additional wet suppression must be provided as necessary to control fugitive dust from haul roads, crushing, screening, 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 – 9
15.	The 1986 Caterpillar Generator Engine must not be operated more than 1,000 hours per year.	10

No.	Operating Limits and Requirements	Equipment/ Activity
16.	The 1986 Caterpillar Generator Engine and the 1995 Caterpillar Generator Nonroad 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 comply with this requirement.	10, 11
17.	A nonresettable time totalizer must be installed on the 1986 Caterpillar Generator Engine and the 1995 Caterpillar Generator Nonroad Engine and used to measure the number of hours each engine operates.	10, 11

Monitoring and Recordkeeping Requirements

No.	Monitoring and Recordkeeping Requirements	Equipment/ Activity
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.	With the exception of data logged by a computerized data acquisition system, each record required by this Permit must include the date and the name of the person making the record entry.	Facilitywide
20.	A description of upset conditions and excess emissions events must be recorded for each occurrence.	Facilitywide
21.	<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 must be recorded for each occurrence; (b) Maintenance of spray/fog nozzles must be recorded for each occurrence; (c) Quantity and size of material throughput must be recorded monthly for each site; (d) Air quality related complaints must be recorded for each occurrence; (e) The number of hours each engine is operated must be recorded for each site and each calendar year; (f) The fuel sulfur content of the diesel burned in each 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) Each time equipment identified in this permit is relocated; the date of the relocation and the new site must be recorded; and (h) Each time the 1995 Caterpillar Generator Engine is moved, including within the same mine, the date of the move and the reason for the move must be recorded. 	Facilitywide

Emission Monitoring and Testing Requirements

No.	Emission Monitoring and Testing Requirements	Equipment/ Activity
22.	An initial emissions test must be conducted for the Clemro 34x42 Jaw Crusher, KPI JCI 5 x 16 x 2 Screen, and KPI JCI 5 x 16 x 3 Screen. Testing must be completed no later than 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup. For the purposes of this requirement, the 60 and 180 day clocks begin the day this permit is issued. All emission testing must be conducted in accordance with Appendix A of this Permit and the requirements of 40 CFR 60, Subpart OOO "Standards of Performance for Nonmetallic Mineral Processing Plants." If an emission test meeting the requirements of 40 CFR 60 Subpart OOO has already been performed for a specific unit, submittal of the test report to SWCAA within the timeline described above satisfies this testing requirement.	3, 6, 7

Reporting Requirements

No.	Reporting Requirements	Equipment/ Activity
23.	All air quality related complaints received by the Permittee regarding activities controlled by the Permittee must be reported to SWCAA within three days of receipt.	Facilitywide
24.	Excess emissions must be reported to SWCAA as follows: (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; and (c) No later than 30 days after the end of the month of discovery for all other excess emissions.	Facilitywide
25.	Deviations from permit conditions must be reported no later than 30 days after the end of the month during which the deviation is discovered.	Facilitywide
26.	The following emission-related information must be reported to SWCAA by March 15 th for the previous calendar year: (a) The quantity of rock blasted at each location; (b) The quantity and size of material crushed at each location; (c) The quantity of each type of material screened at each location; (d) The average length of unpaved haul road controlled by the permittee at each location; (e) The number of hours each engine operated; and (f) Air emissions of criteria air pollutants, volatile organic compounds, toxic air pollutants (TAPs), and hazardous air pollutants (HAPs).	Facilitywide
27.	The results of source emissions testing conducted in accordance with Appendix A must be reported to SWCAA within 45 days of test completion.	3

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.
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.

Emission Testing Requirements

Clemro 34x42 Jaw Crusher, KPI JCI 5 x 16 x 2 Screen, and KPI JCI 5 x 16 x 3 Screen

1. Introduction:

- a. The purpose of this emission testing requirement is to demonstrate compliance with the visual emissions limitations of this Permit and 40 CFR 60, Subpart OOO "Standards of Performance for Nonmetallic Mineral Processing Plants."
- b. Emission testing must be performed within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after permit issuance for each applicable rock crusher, screen and associated conveyor which has not previously been tested consistent with the requirements of 40 CFR 60.8 and 60.675. For the purposes of this requirement, the 60 and 180 day clocks begin the day this permit is issued. If the unit is not in SWCAA's jurisdiction within this time frame or leaves SWCAA's jurisdiction within this time frame, the emission testing must be conducted within 60 days of coming into, or returning to, SWCAA's jurisdiction.
- c. A comprehensive test plan must be submitted to SWCAA for review and approval a minimum of ten business days prior to testing.
- d. SWCAA personnel must be informed of the proposed test date and location at least five business days prior to testing so that a representative may be present during testing.
- e. A minimum of 30 minutes of observations must be conducted as required by 40 CFR 60.675(c)(3).
- f. Testing must include all constituents identified below. The sampling methods identified in Section 2 below must be used unless alternate methods are approved by SWCAA in advance of the emission testing.

2. Testing Requirements:

- | | | |
|----|---|---------------------|
| a. | <u>Constituents to be measured:</u> | <u>Test Method:</u> |
| | (1) Opacity of visible emissions | EPA Method 9 |
| b. | Process Points to Be Tested: | |
| | (1) Affected rock crushers and aggregate screens; and | |
| | (2) Each conveyor transfer point associated with affected emission units. | |

3. Source Operation:

- a. A complete record of production related parameters including production rate, size of product being processed, startups, shutdowns, and adjustments must be kept during emissions testing to correlate operations with emissions and must be recorded in the test results report.
- b. Source operations during the emissions test must be representative of maximum intended operating conditions.

Emission Testing Requirements**Clemro 34x42 Jaw Crusher, KPI JCI 5 x 16 x 2 Screen, and KPI JCI 5 x 16 x 3 Screen****4. Reporting Requirements:**

- a. Opacity observation data must be reduced and analyzed using the protocols in EPA Method 9 and SWCAA Method 9.
- b. Compliance must be determined by comparing the reduced opacity data with the visible emission limits contained in this Permit and the New Source Performance Standard for Nonmetallic Mineral Processing Plants (40 CFR 60.670 et seq. (Subpart OOO)).
- c. A final emission test report must be prepared and submitted to SWCAA within 45 calendar days of test completion. Unless otherwise directed by SWCAA, each report must be provided in an electronic format acceptable to SWCAA (e.g. portable document format), and as a hard (paper) copy. Each report must include:
 - (1) A description of the source including manufacturer, model number, serial number, and design capacity of the equipment, and the location of the observer and the equipment being tested;
 - (2) Time and date of the test and identification and qualifications of the personnel involved, including identification of any SWCAA staff on-site during testing (if any);
 - (3) A summary of results, reported in units and averaging periods consistent with the applicable emission standard or limit. Average opacity must be reported in accordance with EPA Method 9, as well as the number of readings in excess of the permit limit in accordance with SWCAA Method 9.
 - (4) A summary of control system or equipment operating conditions;
 - (5) A summary of production related parameters (tons per hour and size of product);
 - (6) A description of the test methods or procedures used including all field data, quality assurance/quality control procedures and documentation;
 - (7) A description of the analytical procedures used including all laboratory data, quality assurance/quality control procedures and documentation;
 - (8) Copies of field data and example calculations;
 - (9) Chain of custody information;
 - (10) Discussion of any abnormalities associated with the results; and
 - (11) A statement signed by the senior management official of the testing firm certifying the validity of the source test report.

5. Changes to Testing Requirements

The emission test must be conducted as specified in the sections above. The Permittee may submit a written request to SWCAA for approval of minor modifications to the requirements above or to the testing schedule. Upon review of the request and in accordance with EPA delegation, SWCAA will inform the Permittee in writing of any approved modifications.

State Environmental Policy Act
DETERMINATION OF SEPA EXEMPT - SWCAA 20-042

Description of proposal:

ADP Application S-137: A Determination of Nonsignificance (DNS) was issued December 29, 1980 by the Department of Natural Resources for mining activities in the North Bonneville Quarry (the initial location proposed for the applicant's equipment). The proponent has applied for a permit to replace two screens, add one jaw crusher, and add a diesel-fired generator engine to an existing portable rock crushing facility. These equipment changes are not expected to materially change the nature or impact of the permitted activity from the impacts reviewed for the original SEPA determination. The primary impacts of such activity are expected to be the generation of dust and noise. This permitting action is not expected to have any impact on any other element of the environment including traffic, glare, housing, or recreation opportunities.

Proponent:

Farwest Portable Crushing

Location of proposal, including street address if any:

Portable: Initially to be located in North Bonneville Quarry

Lead agency: Southwest Clean Air Agency

The lead agency for this proposal has determined that the proposed project is exempt from SEPA under WAC 197-11-800(3) as follows: "The repair, remodeling, maintenance, or minor alteration of existing private or public structures, facilities or equipment, including utilities, recreation, and transportation facilities involving no material expansions or changes in use beyond that previously existing; ...". The proposed project is identified as maintenance of existing facility and as such it does not have a probable significant impact on the environment. Neither an environmental checklist nor an environmental impact statement (EIS) is required under RCW 43.21C.030(2)(c). This decision was made by the lead agency after review of the proponent's proposal and the information on file with the lead agency. This information is available to the public on request.

This project/permitting action by SWCAA is SEPA exempt.

Responsible official: Paul T. Mairose, P.E.

Position/title: Chief Engineer

Address: Southwest Clean Air Agency
11815 NE 99th St, Suite 1294
Vancouver, WA 98682-2322

Phone: (360) 574-3058 ext. 130

Signature: Paul T. Mairose

Date: 11/19/2020

