

February 25, 2021

Mr. Rusty Gill, President
R G Crushing, Inc.
PO Box 416
Chehalis, WA 98532

Subject: Final Approval for New Rock Crushing Plant and Nonroad Engines

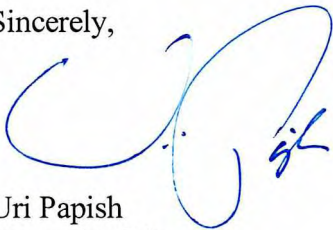
Dear Mr. Gill:

A final determination to issue Air Discharge Permit / Nonroad Engine Permit (ADP/NEP) 21-3454 has been completed for ADP/NEP Application L-717 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 L-717 was published in the permit section of SWCAA's internet website on December 22, 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 21-3454 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 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 Wess Safford at (360) 574-3058, extension 126.

Sincerely,



Uri Papish
Executive Director

UP:wls

Attachment – ADP/NEP 21-3454 and Technical Support Document





SWCAA
Southwest Clean Air Agency


**AIR DISCHARGE PERMIT / NONROAD ENGINE PERMIT
21-3454**

Issued: February 25, 2021

Facility Name: R G Crushing, Inc.
Physical Location: 269 Winston Creek Road
Mossyrock, WA 98564

SWCAA ID: 2694

REVIEWED BY:


Paul T. Mairose, Chief Engineer



APPROVED BY:



Uri Papish, Executive Director

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1. Equipment/Activity Identification

ID No.	Generating Equipment/Activity	# of Units	Control Measure/Equipment	# of Units
1	Jaw Crusher (Kolberg-Pioneer – FT2650)	1	High pressure wet suppression at crusher entrance	N/A
2	Cone Crusher (McCloskey – C44)	1	High pressure wet suppression at crusher entrance	N/A
3	Aggregate screen (Astec – GT205)	1	High pressure wet suppression at screen deck	N/A
4	Haul Roads / Conveyors	N/A	Wet Suppression	N/A
5	Nonroad Diesel Engine (Caterpillar C9.3)	1	Ultra-low Sulfur Diesel	N/A
6	Nonroad Diesel Engine (Caterpillar C13)	1	Ultra-low Sulfur Diesel	N/A
7	Nonroad Diesel Engine (Caterpillar C4.4)	1	Ultra-low Sulfur Diesel	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.

Emission Limits

No.	Emission Limits	Equipment/Activity								
1.	<p>Emissions from rock crushing, aggregate screening, haul roads and material handling operations must not exceed:</p> <table border="1"> <thead> <tr> <th>Pollutant</th> <th>Emission Limit</th> </tr> </thead> <tbody> <tr> <td>PM</td> <td>1.20 tpy</td> </tr> <tr> <td>PM₁₀</td> <td>0.33 tpy</td> </tr> <tr> <td>PM_{2.5}</td> <td>0.05 tpy</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>	Pollutant	Emission Limit	PM	1.20 tpy	PM ₁₀	0.33 tpy	PM _{2.5}	0.05 tpy	1-4
Pollutant	Emission Limit									
PM	1.20 tpy									
PM ₁₀	0.33 tpy									
PM _{2.5}	0.05 tpy									
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).	1-3								
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.	4								

No.	Emission Limits	Equipment/ Activity
4.	<p>Visible emissions from each diesel 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> <ul style="list-style-type: none"> (a) The engine has reached normal operating temperature; or (b) The engine has been operating for 15 minutes. 	5-7

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.	The permittee must use recognized good practice and procedures to reduce odors to a reasonable minimum.	Facilitywide
7.	Wet suppression must be provided as necessary to control fugitive dust from haul roads, material storage piles, crushing and screening equipment, and material handling operations.	Facilitywide
8.	Each pollution control device/measure must be in use whenever the associated production equipment is in operation. Control devices must be operated and maintained in accordance with the manufacturer's specifications and operated in a manner that minimizes emissions.	1-7
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.	1-7
10.	Each rock crusher and aggregate 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.	1-3
11.	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.	1-3
12.	Each diesel engine must only be fired on #2 diesel or better. Fuel sulfur content must not exceed 0.0015% by weight (15 ppmw). A 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.	5-7
13.	A nonresettable time totalizer must be maintained on each diesel engine and used to measure hours of operation.	5-7

Monitoring and Recordkeeping Requirements

No.	Monitoring and Recordkeeping Requirements	Equipment/ Activity																				
14.	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. If a control device or process is not operating during a specific time period, a record must be made to that effect.	1-7																				
15.	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.	1-7																				
16.	Excess emissions and upset conditions must be recorded for each occurrence.	1-7																				
17.	<p>The following information must be collected, recorded at the intervals specified below, and readily available on-site for inspection:</p> <table border="0" data-bbox="207 762 1317 1167"> <tbody> <tr> <td data-bbox="207 762 906 800">(a) Visual inspection of spray/fog nozzles</td> <td data-bbox="906 762 1317 800">Recorded weekly</td> </tr> <tr> <td data-bbox="207 800 906 837">(b) Quantity and size of material crushed</td> <td data-bbox="906 800 1317 837">Recorded monthly</td> </tr> <tr> <td data-bbox="207 837 906 875">(c) Quantity of material screened</td> <td data-bbox="906 837 1317 875">Recorded monthly</td> </tr> <tr> <td data-bbox="207 875 906 913">(d) Hours of operation for each diesel engine</td> <td data-bbox="906 875 1317 913">Recorded annually</td> </tr> <tr> <td data-bbox="207 913 906 951">(e) Vehicle traffic on plant haul roads (miles)</td> <td data-bbox="906 913 1317 951">Recorded annually</td> </tr> <tr> <td data-bbox="207 951 906 989">(f) Sulfur content of fuel fired in diesel engines</td> <td data-bbox="906 951 1317 989">Recorded for each fuel delivery</td> </tr> <tr> <td data-bbox="207 989 906 1058">(g) Maintenance activities that may affect emissions from approved equipment</td> <td data-bbox="906 989 1317 1058">Recorded for each occurrence</td> </tr> <tr> <td data-bbox="207 1058 906 1096">(h) Air quality related complaints</td> <td data-bbox="906 1058 1317 1096">Recorded for each occurrence</td> </tr> <tr> <td data-bbox="207 1096 906 1134">(i) Date and location of equipment relocation</td> <td data-bbox="906 1096 1317 1134">Recorded for each occurrence</td> </tr> <tr> <td data-bbox="207 1134 906 1171">(j) Calculated air emissions</td> <td data-bbox="906 1134 1317 1171">Recorded annually</td> </tr> </tbody> </table>	(a) Visual inspection of spray/fog nozzles	Recorded weekly	(b) Quantity and size of material crushed	Recorded monthly	(c) Quantity of material screened	Recorded monthly	(d) Hours of operation for each diesel engine	Recorded annually	(e) Vehicle traffic on plant haul roads (miles)	Recorded annually	(f) Sulfur content of fuel fired in diesel engines	Recorded for each fuel delivery	(g) Maintenance activities that may affect emissions from approved equipment	Recorded for each occurrence	(h) Air quality related complaints	Recorded for each occurrence	(i) Date and location of equipment relocation	Recorded for each occurrence	(j) Calculated air emissions	Recorded annually	1-7
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Emission Monitoring and Testing Requirements

No.	Emission Monitoring and Testing Requirements	Equipment/ Activity
18.	An initial emission test must be conducted for all rock crushing equipment listed in this Permit subject to 40 CFR 60, Subpart OOO that has not been previously tested. Emission testing must be conducted no later than 60 days after achieving the maximum production rate and no later than 180 days after permit issuance. All emission testing must be conducted in accordance with Appendix A of this Permit and the requirements of 40 CFR 60, Subpart OOO. 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.	1-4

Reporting Requirements

No.	Reporting Requirements	Equipment/ Activity
19.	All air quality related complaints received by the permittee must be reported to SWCAA within three days of receipt.	Facilitywide
20.	The permittee must notify SWCAA at least 10 business days in advance of relocating approved equipment. Upon request, the permittee must submit operational information (production quantities, hours of operation, location of nearest neighbor, etc.) sufficient to demonstrate that proposed operation will comply with the emission standards for a new source, and will not cause a violation of applicable ambient air quality standards.	1-7
21.	<p>Excess emissions must 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; and • No later than 30 days after the end of the month of discovery for all other excess emissions. 	1-7
22.	<p>The following emission-related information must be reported to SWCAA by March 15th for the previous calendar year:</p> <ol style="list-style-type: none"> (a) Quantity and size of material crushed at each location; (b) Quantity of material screened at each location; (c) Average length of unpaved haul road controlled by the permittee at each location; (d) Hours of operation for each diesel engine; and (e) Air emissions. 	1-7
23.	Emission test results must be reported to SWCAA in writing within 45 days of test completion.	1-4

3. General Provisions

No.	General Provisions
A.	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.
B.	The provisions, terms and conditions of this Permit bind the permittee, its officers, directors, agents, servants, employees, successors and assigns, and all persons, firms, and corporations acting under or for the permittee.
C.	The requirements of this Permit survive any transfer of ownership of the source or any portion thereof.
D.	This Permit must be posted conspicuously at or be readily available near the source.
E.	This Permit will be invalid if construction has not commenced within eighteen (18) months from date of issuance, if construction is discontinued for a period of eighteen (18) months or more, or if construction is not completed within a reasonable time.

No.	General Provisions
F.	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.
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 70A.15, 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 will remain in effect and be enforceable.
I.	No change in this Permit will 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.

ADP/NEP 21-3454 - Appendix A
Emission Testing Requirements
Rock Crushing Equipment

1. Introduction:

The purpose of this performance testing requirement is to demonstrate compliance with the visual emissions limitations of this Permit and 40 CFR 60 Subpart OOO.

2. Testing Requirements:

- a. **Testing Schedule.** Emission testing must be performed within 60 days of achieving maximum production rate, but not later than 180 days after permit issuance for each affected facility that has not previously been tested consistent with the requirements of 40 CFR 60.8 and 60.675. If an affected facility is not in SWCAA's jurisdiction within this time frame or leaves SWCAA's jurisdiction within this time frame, emission testing must be conducted within 60 days of coming into, or returning to, SWCAA's jurisdiction.
- b. **Test Plan.** A comprehensive test plan must be submitted to SWCAA for review and approval at least 10 business days prior to each test. SWCAA personnel must be informed of the proposed test date and location at least 5 business days prior to testing so that a representative may be present during testing.
- c. **Test Location.** Visual observations must be made at each affected rock crusher, aggregate screen and conveyor transfer point associated with affected crushers and screens.
- d. **Test Runs / Reference Methods.** A minimum of 30 minutes of observations must be conducted as required by 40 CFR 60.675(c)(3) using the sampling method identified below.

<u>Constituent</u>	<u>Reference Test Method</u>
Opacity	EPA Method 9

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.

ADP/NEP 21-3454 - Appendix A
Emission Testing Requirements
Rock Crushing Equipment

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 40 CFR 60, Subpart OOO.
- c. A final test report must be prepared and submitted to SWCAA within 45 calendar days of test completion. Unless otherwise directed by SWCAA, a single hard copy of the report and an electronic copy (e.g. Adobe format) of the report must be submitted to SWCAA. Each report must include:
 - (1) 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;
 - (2) Time and date of the test and identification and qualifications of the personnel involved;
 - (3) A summary of results, reported in units and averaging periods consistent with the applicable emission standard or limit;
 - (4) A summary of control system or equipment operating conditions;
 - (5) A summary of production related parameters cited in Section 3;
 - (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 21-004

Description of proposal:

ADP Application L-717: Installation and operation of portable rock crushing equipment with integral diesel engine power units.

Lewis County issued a Mitigated Determination of Nonsignificance (MDNS) on August 29, 2006 for development and operation of a surface mine at Winston Quarry (the initial location proposed for the applicant's equipment). Installation and operation of the proposed rock crushing and screening equipment is consistent with the mining activities previously reviewed by Lewis County and is not expected to substantially change existing impacts at the site. Therefore, SWCAA has determined this project is exempt from SEPA requirements pursuant to WAC 197-11-800(3).

Proponent: R G Crushing, Inc. (Rusty Gill, President)

Location of proposal, including street address if any:

269 Winston Creek Road, Mossyrock, WA 98564

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 equipment 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: 

Date: 2/25/2021

