April 30, 2019

Mr. Kim Bickel, General Manager
Harold Sorensen Trucking, Inc.
112 Plomondon Road
Toledo, WA 98591

Subject: Final Air Discharge Permit / Nonroad Engine Permit for New Rock Crushing Equipment

Dear Mr. Bickel:

A final determination to issue Air Discharge Permit / Nonroad Engine Permit (ADP/NEP) 19-3336 has been completed for ADP/NEP Application CO-1010 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 CO-1010 was published in the permit section of SWCAA's internet website on March 15, 2019. 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 19-3336 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,

[Signature]

Uri Papish
Executive Director

UP:wls
Attachment
AIR DISCHARGE PERMIT / NONROAD ENGINE PERMIT

19-3336

Date: April 30, 2019

Facility Name: Harold Sorensen Trucking
Physical Location: 460 Kalama River Road
Kalama, WA 9898625

SWCAA ID: 1189

REVIEWED BY: Paul T. Mairose, Chief Engineer

APPROVED BY: Uri Papish, Executive Director
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Appendix A  
Emission Testing Requirements  
Rock Crushers / Aggregate Screens
1. Equipment/Activity Identification

<table>
<thead>
<tr>
<th>ID No.</th>
<th>Generating Equipment/Activity</th>
<th># of Units</th>
<th>Control Measure/Equipment</th>
<th># of Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Powerscreen Jaw Crusher</td>
<td>1</td>
<td>High Pressure Wet Suppression</td>
<td>N/A</td>
</tr>
<tr>
<td>2</td>
<td>Powerscreen Cone Crusher</td>
<td>1</td>
<td>High Pressure Wet Suppression</td>
<td>N/A</td>
</tr>
<tr>
<td>3</td>
<td>Powerscreen Aggregate Screen</td>
<td>1</td>
<td>High Pressure Wet Suppression</td>
<td>N/A</td>
</tr>
<tr>
<td>4</td>
<td>Haul Roads and Conveyors</td>
<td>-</td>
<td>Wet Suppression</td>
<td>N/A</td>
</tr>
<tr>
<td>5</td>
<td>Nonroad Engine Powerscreen Jaw Crusher</td>
<td>1</td>
<td>Ultra-low Sulfur Diesel, EPA Tier 4 Certification</td>
<td>N/A</td>
</tr>
<tr>
<td>6</td>
<td>Nonroad Engine Powerscreen Cone Crusher</td>
<td>1</td>
<td>Ultra-low Sulfur Diesel, EPA Tier 4 Certification</td>
<td>N/A</td>
</tr>
<tr>
<td>7</td>
<td>Nonroad Engine Powerscreen Aggregate Screen</td>
<td>1</td>
<td>Ultra-low Sulfur Diesel, EPA Tier 4 Certification</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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 ADP 00-2289, SUN 044, SUN 045, SUN 114 and SUN 115 in their entirety.

Emission Limits

<table>
<thead>
<tr>
<th>No.</th>
<th>Emission Limits</th>
<th>Equipment/ Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Combined emissions from aggregate crushing and handling operations (crushing, screening, conveying, and haul roads) must not exceed:</td>
<td>1-4</td>
</tr>
<tr>
<td></td>
<td>Pollutant</td>
<td>Emission Limit</td>
</tr>
<tr>
<td></td>
<td>PM</td>
<td>25.81 tpy</td>
</tr>
<tr>
<td></td>
<td>PM_{10}</td>
<td>7.31 tpy</td>
</tr>
<tr>
<td></td>
<td>PM_{2.5}</td>
<td>1.10 tpy</td>
</tr>
<tr>
<td></td>
<td>Annual emissions must be calculated from actual material throughput consistent with the methodology in Section 6 of the Technical Support Document for this Permit.</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>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).</td>
<td>1-3</td>
</tr>
<tr>
<td>3.</td>
<td>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).</td>
<td>4</td>
</tr>
<tr>
<td>No.</td>
<td>Emission Limits</td>
<td>Equipment/Activity</td>
</tr>
<tr>
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</tr>
<tr>
<td>4.</td>
<td>Visible emissions from diesel engines operating in support of crushing and handling operations must not exceed 5% opacity for more than 3 minutes in any one-hour period as determined in accordance with SWCAA Method 9, except during periods of startup.</td>
<td>5-7</td>
</tr>
</tbody>
</table>

For the purposes of this requirement, a startup period ends when the earlier of the following operating events occurs:
(a) The engine has reached normal operating temperature; or
(b) The engine has been operating for 15 minutes.

### Operating Limits and Requirements

<table>
<thead>
<tr>
<th>No.</th>
<th>Operating Limits and Requirements</th>
<th>Equipment/Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.</td>
<td>Reasonable precautions must be taken at all times to prevent and minimize fugitive emissions from plant operations.</td>
<td>Facilitywide</td>
</tr>
<tr>
<td>6.</td>
<td>The permittee must use recognized good practice and procedures to reduce odors to a reasonable minimum.</td>
<td>Facilitywide</td>
</tr>
<tr>
<td>7.</td>
<td>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.</td>
<td>Facilitywide</td>
</tr>
<tr>
<td>8.</td>
<td>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.</td>
<td>1-7</td>
</tr>
<tr>
<td>9.</td>
<td>Each pollution control device must be operated whenever the production 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.</td>
<td>1-7</td>
</tr>
<tr>
<td>10.</td>
<td>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.</td>
<td>1-7</td>
</tr>
<tr>
<td>11.</td>
<td>Each rock crusher and aggregate screen 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. 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.</td>
<td>1-3</td>
</tr>
<tr>
<td>No.</td>
<td>Operating Limits and Requirements</td>
<td>Equipment/Activity</td>
</tr>
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<tr>
<td>12.</td>
<td>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.</td>
<td>1-3</td>
</tr>
<tr>
<td>13.</td>
<td>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.</td>
<td>1-4</td>
</tr>
<tr>
<td>14.</td>
<td>Each diesel engine operating in support of rock crushing and material handling operations 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.</td>
<td>5-7</td>
</tr>
<tr>
<td>15.</td>
<td>Each diesel engine operating in support of rock crushing and material handling operations must be equipped with a nonresettable time totalizer to measure the number of hours each engine operates.</td>
<td>5-7</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Monitoring and Recordkeeping Requirements</th>
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<tbody>
<tr>
<td>No.</td>
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<td>16.</td>
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Southwest Clean Air Agency

Air Discharge Permit

Emission Monitoring and Testing Requirements

<table>
<thead>
<tr>
<th>No.</th>
<th>Emission Monitoring and Testing Requirements</th>
<th>Equipment/Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.</td>
<td>The permittee must conduct initial emission testing of all rock crushing equipment listed in this Permit subject to Subpart O00 that has not been previously tested. Emissions testing must be conducted within 60 days after permit issuance pursuant to Appendix A of this Permit and the requirements of 40 CFR 60, Subpart O00 &quot;Standards of Performance for Nonmetallic Mineral Processing Plants.&quot;</td>
<td>1-3</td>
</tr>
</tbody>
</table>

Reporting Requirements

<table>
<thead>
<tr>
<th>No.</th>
<th>Reporting Requirements</th>
<th>Equipment/Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>21.</td>
<td>All air quality related complaints, including dust complaints, received by the permittee must be reported to SWCAA within three days of receipt.</td>
<td>Facilitywide</td>
</tr>
<tr>
<td>22.</td>
<td>Excess emissions must be reported to SWCAA as follows:</td>
<td>Facilitywide</td>
</tr>
<tr>
<td></td>
<td>• As soon as possible, but no later than 12 hours after discovery for emissions that represent a potential threat to human health or safety;</td>
<td></td>
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<tr>
<td></td>
<td>• 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</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• No later than 30 days after the end of the month of discovery for all other excess emissions.</td>
<td></td>
</tr>
<tr>
<td>23.</td>
<td>An annual emissions inventory report must be submitted in accordance with SWCAA 400-105(1). In addition to the emissions information required under SWCAA 400-105(1), each annual report must include an estimate of annual emission quantities for each TAP compound listed in the Technical Support Document for this Permit.</td>
<td>1-7</td>
</tr>
<tr>
<td>24.</td>
<td>The following emission-related information must be reported to SWCAA by March 15th for the previous calendar year:</td>
<td>1-7</td>
</tr>
<tr>
<td></td>
<td>(a) Quantity and size of material crushed at each worksite;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(b) Average length of unpaved haul road controlled by the permittee at each worksite;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(c) Hours of engine operation for each diesel engine used in support of crushing operations;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(d) Quantity of air emissions.</td>
<td></td>
</tr>
<tr>
<td>25.</td>
<td>Emission test results must be reported to SWCAA in writing within 45 days of test completion.</td>
<td>1-3</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>No.</th>
<th>General Provisions</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.</td>
<td>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.</td>
</tr>
<tr>
<td>No.</td>
<td>General Provisions</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------</td>
</tr>
<tr>
<td>B.</td>
<td>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.</td>
</tr>
<tr>
<td>C.</td>
<td>The requirements of this Permit survive any transfer of ownership of the source or any portion thereof.</td>
</tr>
<tr>
<td>D.</td>
<td>This Permit must be posted conspicuously at or be readily available near the source.</td>
</tr>
<tr>
<td>E.</td>
<td>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.</td>
</tr>
<tr>
<td>F.</td>
<td>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.</td>
</tr>
<tr>
<td>G.</td>
<td>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.</td>
</tr>
<tr>
<td>H.</td>
<td>If any provision of this Permit is held to be invalid, all unaffected provisions of the Permit will remain in effect and be enforceable.</td>
</tr>
<tr>
<td>I.</td>
<td>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.</td>
</tr>
<tr>
<td>J.</td>
<td>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.</td>
</tr>
</tbody>
</table>
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."

2. Testing Requirements:
   a. An initial emissions test must be conducted for all rock crushing equipment listed in this permit subject to Subpart OOO that has not been previously tested pursuant to 40 CFR 60.8 and 60.675. Emissions testing must be conducted within 60 days after permit issuance. If an affected 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 SWCAA's jurisdiction.
   b. A comprehensive test plan must be submitted to SWCAA for review and approval a minimum of 10 business days prior to testing.
   c. 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.
   d. Testing must include all constituents identified below. The identified sampling methods must be used unless alternate methods are approved by SWCAA in advance of the emission testing. A minimum of 30 minutes of observations must be conducted as required by 40 CFR 60.675(c)(3).

<table>
<thead>
<tr>
<th>Constituents to be measured</th>
<th>Test Methods or Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opacity</td>
<td>EPA Method 9</td>
</tr>
</tbody>
</table>

   e. Process Points to Be Tested:
      (1) Affected rock crushers and aggregate screens; and
      (2) Each conveyor transfer point associated with affected emission units.

   f. Opacity observation data must be reduced and analyzed using the protocols in EPA Method 9 and SWCAA Method 9. 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)).

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.
4. Reporting Requirements:
   a. A final emission 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 each agency. 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;
      (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.
DETERMINATION OF NONSIGNIFICANCE (DNS) – SWCAA 19-016

Description of proposal:
ADP Application CO-1010: Proponent proposes to locate and operate new portable rock crushing equipment at the site of an existing mining/rock crushing operation. Operation of the proposed crushing equipment will not change the nature of existing operations at the site, and is consistent with existing land use/zoning. Impact on all media is expected to be similar to existing operations.

Proponent: Harold Sorensen Trucking, Inc. (Kim Bickell, General Manager)

Location of proposal, including street address if any:
460 Kalama River Road in Kalama, Washington 98625

Lead agency: Southwest Clean Air Agency

The lead agency for this proposal has determined that it does not have a probable significant impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request.

There is no comment period for this DNS.

This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period in the DNS.

This DNS is issued under WAC 197-11-340(2); the lead agency will not act on this proposal for 15 days from the date below. Comments must be submitted by __________.

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: 4/30/19