



## Southwest Clean Air Agency

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June 19, 2013

Mr. Donald Sorensen  
Harold Sorensen Trucking, Inc.  
112 Plomondon Road  
Toledo, WA 98591

Subject: Notification of Rock Crusher Installation – (SUN-044) SWCAA ID 1189

Dear Mr. Sorensen:

The Southwest Clean Air Agency (SWCAA) received your Small Unit Notification (SUN) on June 3, 2013 for installation and operation of a new rock crusher. The previously registered CEC / Minyu 400 series cone crusher (serial number 98333) has been removed. For administrative and tracking purposes SWCAA has assigned tracking number SUN-044 to this notification. This notification was filed in accordance with SWCAA 400-072 and applies to the installation of one rock crusher. The new rock crusher was identified as:

- (1) Terex Cedarapids model RC45 (serial number 52650) cone crusher with a maximum crushing capacity of approximately 206 tons per hour.

SWCAA has completed a review of your notification and the associated support information and has determined that the notification meets the requirements of SWCAA 400-072(2). Once installed, affected equipment must maintain compliance with the requirements of SWCAA 400-072(4)(e) "**Rock crushers and aggregate screens**". A copy of the relevant SWCAA 400-072 section is attached for your information.

Be advised that emission units installed pursuant to SWCAA 400-072 are subject to source registration and periodic inspection. Registration fees for this equipment will be invoiced consistent with SWCAA 400-100.

If you need further assistance or have any questions regarding these matters, please contact me at (360) 574-3058 extension 130.

Sincerely,

Paul T. Mairose  
Chief Engineer



## SWCAA 400-072 Emission Standards for Selected Small Source Categories

[Statutory Authority: Chapter 70.94.141 RCW. Original adoption 09-21-056 filed 10/15/09, effective 11/15/09.]

### (4) Source categories.

#### (e) Rock crushers and aggregate screens.

- (i) **Applicability.** The provisions of this section apply to individual rock crushers and aggregate screens installed as part of a previously permitted rock crushing operation.
- (ii) **Emission limits and standards.**
  - (A) Visible emissions from rock crushing equipment shall not exceed 0% opacity for more than three (3) minutes in any one hour period as determined in accordance with SWCAA Method 9 (SWCAA 400, Appendix A).
- (iii) **General requirements.**
  - (A) Each rock crusher and aggregate screen shall be equipped with a high pressure water spray system for the control of fugitive PM emissions. Operating pressure in each spray system shall be maintained at 80 psig or greater. A functional pressure gauge shall be maintained onsite with a connection point provided for the purpose of demonstrating compliance with the minimum pressure requirement.
  - (B) Spray/fog nozzles in the high pressure water spray system shall be visually inspected a minimum of once per week when in operation to ensure proper function. Clogged or defective nozzles shall be replaced or repaired prior to subsequent operation.
  - (C) Material handling points including, but not limited to, conveyor transfer points, aggregate storage piles, and haul roads shall be watered at reasonable intervals as necessary to control fugitive dust emissions.
  - (D) Additional wet suppression measures shall be employed, as necessary, to control fugitive dust from haul roads, rock 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.
  - (E) For portable rock crushing operations, the owner or operator shall notify all property owners immediately adjacent to a new job site a minimum of 10 business days in advance of the intended relocation. Such written notification shall 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 the Agency. Response from adjacent landowners shall be directed to the Agency. Authorized operations are dependent on the receipt of public response regarding the proposed relocation.
  - (F) For portable rock crushing operations, the owner or operator shall notify the Agency at least 10 business days in advance of relocating approved equipment and shall submit operational information (such as 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, and if in a nonattainment area, will not interfere with scheduled attainment of ambient standards.

- (iv) **Monitoring and recordkeeping requirements.** The information listed below shall be recorded at the specified intervals, and maintained in a readily accessible form for a minimum of 3 years. Each required record shall include the date and the name of the person making the record entry.
  - (A) Visual inspection of spray/fog nozzles shall be recorded weekly;
  - (B) Maintenance, repair, or replacement of affected equipment shall be recorded for each occurrence;
  - (C) Quantity and size of crushed/screened material shall be recorded monthly;
  - (D) Relocation of rock crushing equipment shall be recorded for each occurrence.
  - (E) Upset conditions that cause excess emissions shall be recorded for each occurrence; and
  - (F) All air quality related complaints received by the owner or operator and the results of any subsequent investigation or corrective action shall be recorded for each occurrence.
- (v) **Testing requirements.** An initial emissions test shall be conducted for each rock crusher and/or aggregate screen within 90 calendar days of commencing operation. All emission testing shall be conducted in accordance with the requirements of 40 CFR 60, Subpart OOO "Standards of Performance for Nonmetallic Mineral Processing Plants."
- (vi) **Reporting requirements.**
  - (A) All air quality related complaints received by the owner or operator shall be reported to SWCAA within 3 business days of receipt.
  - (B) The owner or operator of an affected rock crusher or aggregate screen shall report the following information to the Agency no later than March 15<sup>th</sup> for the preceding calendar year:
    - (I) Quantity and size of crushed/screened material throughput;
    - (II) Air emissions of criteria air pollutants.

## **Summary Information (by SWCAA) for SUN-044 and SUN-045**

Harold Sorensen Trucking – Castle Rock. SWCAA ID 1189

The previously registered CEC Minyu 400 series cone crusher (s/n 98333) has been removed. One Cedarapids RC45 cone crusher and one Minyu/CEC 510 series cone crusher were added. Both units are electrically powered by an existing generator set.

### RC45 Cone Crusher (SUN-044)

|                  |                                                                          |
|------------------|--------------------------------------------------------------------------|
| Location:        | Portable – currently Barnes Drive Quarry, 9610 Barnes Drive, Castle Rock |
| Make / Model:    | Terex Cedarapids / RC45                                                  |
| Serial Number:   | 52650                                                                    |
| Size:            | 45"                                                                      |
| Rated Capacity:  | 206 tph (fine head open circuit 1" discharge setting)                    |
| Built:           | 2007                                                                     |
| Installed:       | 2007                                                                     |
| NSPS Applicable: | Yes – Subpart OOO applicable                                             |

### Minyu 510 Cone Crusher (SUN-045)

|                  |                                                                          |
|------------------|--------------------------------------------------------------------------|
| Location:        | Portable – currently Barnes Drive Quarry, 9610 Barnes Drive, Castle Rock |
| Make / Model:    | Minyu/CEC / 510 series                                                   |
| Serial Number:   | 04526(336)                                                               |
| Size:            | 51"                                                                      |
| Rated Capacity:  | 458 tph (base on conversation with CEC representative)                   |
| Built:           | Estimated ~2000                                                          |
| Installed:       | ~2008                                                                    |
| NSPS Applicable: | Yes – Subpart OOO applicable                                             |