

November 18, 2016

Mr. Bart Lyons  
Winston Quarry, Inc.  
269 Winston Creek Road  
Mossyrock, WA 98564

Subject: Notification of Rock Crusher Installation – (SUN-122) SWCAA ID 1832

Dear Mr. Lyons:

The Southwest Clean Air Agency (SWCAA) received your Small Unit Notification (SUN) on September 6, 2016 for installation and operation of a new rock crusher. For administrative and tracking purposes SWCAA has assigned tracking number SUN-122 to this notification. This notification was filed in accordance with SWCAA 400-072 and applies to the installation of one rock crusher. The unit was identified as:

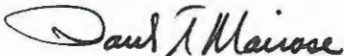
- (1) Metso model HP400, 52" head cone crusher. Serial number HP400478.

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. This unit is being registered as part of the facility approved by Air Discharge Permit 08-2784; therefore this equipment must also comply with any limitations in Air Discharge Permit 08-2784. An initial emissions test must be conducted for each new rock crusher and/or aggregate screen within 90 calendar days of commencing operation. Emission testing must be conducted in accordance with the requirements of 40 CFR 60, Subpart OOO "Standards of Performance for Nonmetallic Mineral Processing Plants."

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, 16-19-009 filed 9/8/16, effective 10/9/16]

### (4) Source categories.

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

- (i) **Applicability.** The provisions of this section apply to individual rock crushers and aggregate screens proposed for installation at existing rock crushing operations subject to facilitywide emission limits established by SWCAA. The affected rock crushing operation, including the new rock crusher and/or aggregate screen, must continue to comply with existing emission and/or process limits subsequent to installation.

The provisions of this section do not apply to internal combustion engines associated with proposed rock crushers or aggregate screens. Such engines are subject to the requirements of SWCAA 400-045 or 400-109, as applicable.

#### (ii) Emission limits and standards.

- (A) Visible emissions from rock crushing operations 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) Each rock crusher and/or aggregate screen subject to 40 CFR 60, Subpart OOO "Standards of Performance for Nonmetallic Mineral Processing Plants" shall comply with the applicable requirements of that regulation.
- (F) For portable rock crushing operations, the owner or operator shall notify the Agency 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 promptly after each occurrence.
- (v) **Testing requirements.** An initial emissions test shall be conducted for each rock crusher and/or aggregate screen subject to 40 CFR 60, Subpart OOO "Standards of Performance for Nonmetallic Mineral Processing Plants" that has not previously been tested. Testing shall be conducted within 90 calendar days of commencing operation. All emission testing shall be conducted in accordance with the requirements of that regulation.
- (vi) **Reporting requirements.**
  - (A) The owner or operator of an affected emission unit shall provide written notification of initial operation to SWCAA within 10 days of occurrence.
  - (B) All air quality related complaints received by the owner or operator shall be reported to SWCAA within 3 business days of receipt.
  - (C) 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.
  - (D) Emission testing results for each rock crusher and/or aggregate screen subject to 40 CFR 60, Subpart OOO shall be reported to the Agency within 45 calendar days of test completion.

## Summary Information (by SWCAA) for SUNs 121-123

### Winston Quarry, Inc. SWCAA ID 1832

Two replacement crushers and one replacement screen have been installed.

Pioneer Roll Crusher (SUN-121). This unit replaced another Pioneer roll crusher (serial number 54186).

Location: Portable – currently Winston Quarry, 269 Winston Creek Road, Mossyrock, WA  
Make / Model: Pioneer / 5424  
Serial Number: 54-RT-330  
Size: 54" x 24"  
Rated Capacity: 525 tons per hour (3" open circuit)  
Built: October 1974  
Installed: 2011  
NSPS Applicable: 40 CFR 60 Subpart OOO applies, however the equipment is not subject to the requirements of Subpart OOO because they apply to equipment constructed, modified, or reconstructed after August 31, 1983.

Metso HP400 Cone Crusher (SUN-122). This unit replaced the permitted Svedala Allis cone crusher (serial number 783559-06). This unit is attached to the KPI-JCI Screen.

Location: Portable – currently Winston Quarry, 269 Winston Creek Road, Mossyrock, WA  
Make / Model: Metso Norberg / HP400 cone crusher  
Serial Number: HP400478  
Size: 510 – 700 tons per hour based on 2" closed setting  
Rated Capacity: 52" head with 12" feed opening, 400 hp electric motor  
Built: 2005  
Installed: 2015  
NSPS Applicable: 40 CFR 60 Subpart OOO

KPI-JCI Screen (SUN-123). This unit is attached to the Metso HP400 cone crusher. This unit replaced a 6' x 20' screen (serial number 96657) that had been attached to the Svedala cone crusher

Location: Portable – currently Barnes Drive Quarry, 9610 Barnes Drive, Castle Rock  
Make / Model: KPI-JCI / 6163-32  
Serial Number: S041340  
Size: 6' x 16' 3-deck  
Capacity: Highly variable – on order of 600 tph based on basic capacity slightly over 6 tons / ft<sup>2</sup>  
Built: 2004 (based on the serial number – "S04..." indicates 2004 manufacture)  
Installed: 2015  
NSPS Applicable: 40 CFR 60 Subpart OOO