

Skagit Aggregates LLC
Mobile Crushing Operation
Written Dust Suppression Plan
Updated 1/17/2023

This written dust suppression plan is intended to meet the requirements of the Northwest Clean Air Agency's regulations regarding Crushing Operations and Portable Sources (Section 512 and 514) and qualifies for the General Order of Approval No. 11AQ-GO-001 Stationary and Portable Rock Crushers, December 6, 2011, approved by Northwest Clean Air Agency March 13, 2022. Crushing operations less than 4,500 tons/day may be exempt from New Source Review permitting per NWCAA Section 300.3(J)(32).

Equipment used in mobile crushing operation

Finlay/Terex J1160 – Mobile Jaw

Finlay/Terex C1540 – Mobile Cone Crusher

Finlay/Terex 883+ - Screen Plant

Powerscreen 70ft portable stacking conveyor

CAT 980 or equivalent wheel loader

CAT 345 or equivalent tracked excavator

Kenworth 3,000 Gallon or equivalent water truck with spray bars and hose reel.

Portable 20,000 Gallon water tank with pump, hoses, and manifold

500 Gallon Multiquip water trailer with pump, hoses, and sprinklers

Equipment Setup Guidelines

Per GOA 11AQ-GO-001 1.4, all crushing equipment must be located a minimum of 150 feet from the property line.

Dust Suppression Plan GOA 11AQ-GO-001 1.3

The main water supply for dust suppression in the mobile crushing operation will consist of a 20,000 Gallon water tank, 100'-150' primary water hose to a manifold and secondary water lines to each individual piece of equipment in the crushing operation. An alternative setup when appropriate will be to use the 500 Gallon water trailer or 3,000 Gallon water truck connected to equipment for dust suppression.

Dust suppression will be used to reduce visible emissions from crushing operations, including but not limited to, any crusher, screening operation, belt conveyor, or transfer point, greater than 5% opacity for more than an aggregate of 3 minutes in any consecutive 60-minute period, as measured by Ecology

Method 9A, are prohibited. Visible emissions observed at or beyond the property boundary are prohibited. NWCCA 512.4

Skagit Aggregates dust suppression plan is intended to prevent or minimize dust from fugitive and process emission points at the following locations/processes:

(1) Materials loading (e.g., front-end loader dumping, surface mining, loading primary (jaw) crusher, loading aggregate trucks, aggregate and/or waste added to/removed from stockpiles);

Dust suppression during materials loading will be achieved by means of the water truck when necessary, using the side discharge nozzles or attached hose reel to wet the area/material prior to loading. Alternatively, the water trailer with attached hoses and sprinklers system can be set up to provide long term dust suppression during material loading.

(2) Wind erosion;

If wind erosion is occurring at the stockpiles the water truck or water trailer can be used to wet the area of concern. If practical using heavy equipment on site to alter the face or pile should be used to prevent wind erosion.

(3) Paved and unpaved traveled surfaces;

Paved and unpaved traveled surfaces will be watered with the water truck when necessary to prevent dust.

(4) Conveyors;

Conveyors used in the crushing operation will be connected to the water supply for dust suppression when necessary. The Powerscreen 70' portable stacking conveyor is equipped with spray bars at the hopper and discharge

(5) Crushers;

Both the J1160 jaw crusher and the C-1540 cone crusher are equipped with dust suppression systems from the factory. They will be connected to the water supply for dust suppression when necessary.

(6) Screens; and

When the Terex/Finlay 883+ screen plant is used in the crushing operation it will be connected to the water supply. This screen is not factory equipped with dust suppression however spray bars are added to the transfer points.

(7) Other fugitive and process emission points, as applicable.

Recordkeeping requirement

Inspections for visible emissions from the crushing operations including at or beyond the property boundary will be ongoing. At any time, if visible emissions are seen in excess of the limit in NWCAA 512.5(B), take corrective action and update Dust Suppression Plan as necessary.

An inspection log of daily inspections as required by NWCAA 512.6 shall be recorded. Items to be recorded include...

Total tons crushed daily and monthly will be kept as allowed for using the records of sales (SMS Turbo ticketing system) year end inventory records will also complete the requirements.

An inspection log will be recorded using the company's equipment maintenance program (Fleetio Go – Inspection under the C-1540 and/or J1160 equipment) including; (1) Date & time of inspections. (2) Outcome of the observations of visible emissions. (3) What action(s) in the Dust Suppression Plan is/are being followed. (4) Description of corrective action taken if dust emissions were observed. (5) Name of person making the record.

SECTION 514 – PORTABLE SOURCES

514.2 Recordkeeping.

Per section 514.2 Skagit Aggregates will keep records of location and dates of operation in NWCAA jurisdiction. Records will be maintained by a combination of the location recorded in the company's equipment maintenance program (Fleetio Go) and by "Relocation Notice" forms.

Skagit Aggregates will notify the NWCAA in writing in a format provided or approved by NWCAA of the intent to relocate into, out of, or within the NWCAA jurisdiction at least 15 calendar days prior to commencing relocating to a different location (e.g., pit, quarry, operating site). NWCCA 514.3