



PUGET SOUND CLEAN AIR AGENCY

Additional Notice of Construction Application Requirements for

NONMETALLIC MINERAL PROCESSING PLANTS

[Includes rock crushers, grinding mills, screening operations, bucket elevators, belt conveyors, bagging operations, storage bins, and enclosed truck or railcar loading stations]

General

Description of Equipment and its Purpose *[Specify the type(s) of mineral processing equipment (rock crushers, grinding mills, screening operations, bucket elevators, belt conveyors, bagging operations, storage bins, and enclosed truck or railcar loading stations) and its intended purpose (on-site concrete or asphalt batching; retail or wholesale mineral sales)]*

Identify which of the following categories the project fits into:

1. New Construction *(New construction also includes existing, unpermitted equipment or processes)*
2. Reconstruction *(Reconstruction means the replacement of components of an existing facility to such an extent that the fixed capital cost of the new components exceeds 50% of the fixed capital cost that would be required to construct a comparable entirely new facility)*
3. Modification *(Modification means any physical change in, or change in the method of operation of, a source, except an increase in the Hours of Operation or production rates (not otherwise prohibited) or the use of an alternative fuel or raw material that the source is approved to use under an Order of Approval or operating permit, that increases the amount of any air contaminant emitted or that results in the emission of any air contaminant not previously emitted)*
4. Amendment to Existing Order of Approval Permit Conditions

Date of Equipment Manufacture (month/yr) *[This is the date when the unit was built by the manufacturer]*

Estimated Hours of Operation (hr/day, day/wk, wk/yr) *[Estimate the hours of operation for the new mineral processing equipment - not necessarily the entire facility.]*

Estimated Installation Date *[Estimate the date when the new mineral processing equipment will be put into service.]*

Estimated Removal Date *[Estimate the date when the new mineral processing equipment will be taken out of service]*

Nonmetallic Mineral Properties

Type of Mineral [*Specify crushed and broken stone, sand and gravel, gypsum, other (be specific)*]

Initial and Final Sizes [*Specify the maximum initial mineral size and the sizes produced by the new equipment (inches minus)*]

Estimated Annual Production (ton/yr) [*Estimate the total annual production of the new mineral processing equipment*]

Design [*Most design information is available from the manufacturer or vendor. Submittal of a brochure, scale drawing or process and instrumentation diagram will facilitate the review of the permit application*]

Type(s) of Equipment [*Specify the type of crusher (cone, jaw, roll, gyratory, hammermill, rod mill, impactor) and its use (primary, secondary, tertiary). Also specify the type of grinding mill (hammer, roller, rod, pebble and ball) and the screen sizes.*]

Make & Model [*Specify the manufacturer and model of the crushers and grinders - not the serial number. Not required for other equipment*]

Rated Capacity (ton/hr) [*Specify the maximum amount of rock that can be processed per hour by the new equipment. (Generally this is the amount that can be put into the initial feed hopper.)*]

Number of Water Sprays [*Specify the number of water sprays located at each feed hopper, belt transfer point, crusher inlet and outlet, and shaker screen.*]

Water Pressure (psig) [*Specify the water pressure (in pounds per square inch) supplied by the pump.*]

Total Water Flowrate (gal/hr) [*Specify the hourly water use by the water sprays.*]

Emissions Estimate (lb/hr, lb/yr) [*Estimate the emissions of each pollutant and include your calculations. Emission factors are available from <http://www.epa.gov/ttnchie1/ap42/>.*]

Operation and Maintenance

Describe Methods Used Facility-Wide for Dust Control [*Specify if: access roads are paved, graveled or surfaced with rip-rap; a wheel wash is used for vehicles exiting the property; a water truck is used for vehicular traffic on unpaved areas; and if sprinklers are used for storage piles*]

Describe Preventive Maintenance [*Specify the periodic maintenance recommended by the manufacturer and its frequency*]