

# PUGET SOUND CLEAN AIR AGENCY

## Additional Notice of Construction Application Requirements for

### CONCRETE BATCH PLANTS

#### General

Description of Equipment and its Purpose [*Specify the type of equipment (wet mix or dry mix, bagging operations) and its intended use (wholesale or retail)*]

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

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

Estimated Installation Date [*Estimate the date when the new batch plant will be put into service*]

Estimated Removal Date [*Estimate the date when the new batch plant will be taken out of service.*]

#### Concrete Properties

Estimated Annual Production (ton/yr) [*Estimate the total annual production of the new batch plant.*]

**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.*]

Make & Model [*Specify the manufacturer and model of the batch plant - not the serial number*]

Rated Capacity (yd<sup>3</sup>/hr) [*Specify the maximum amount of concrete that can be produced per hour by the new equipment*]

Number of Cement Silos *[Specify the number of cement silos being installed]*

Capacity of Each Cement Silo (tons or yd<sup>3</sup>) *[Specify the storage capacity of each new cement silo]*

Air Flowrate of Each Silo Baghouse (acfm) *[For silo exhaust filters equipped with fans, specify the fan air flowrate. (Otherwise, specify the maximum loading rate in cubic yards per min). If the vented to a baghouse <sup>3</sup>1000 cfm, complete the permit form for baghouses]*

Air Flowrate of Weigh Hopper Baghouse (acfm) *[Specify the air flowrate of the baghouse controlling emissions from the weigh hopper. If vented to a baghouse <sup>3</sup>1000 cfm, complete the permit form for baghouses.]*

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/ttn/chief/ap42/index.html>. Controlled emissions should equal (0.01)(uncontrolled emissions or amount collected).]*

### **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.]*