

PUGET SOUND CLEAN AIR AGENCY

Additional Notice of Construction Application Requirements for

ASPHALT BATCH PLANTS

General

Description of Equipment and its Purpose [*Specify the type of batching (drum mix, pugmill batch mix with weigh hopper/mixer beneath hot bins, or pugmill continuous mix with separate mixer and metered feed) and its purpose (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

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 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.*]

Asphalt Properties

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

Estimated Cutback Asphalt (ton/yr) [*Estimate the total annual cutback asphalt (cold mix) production of the new batch plant*]

Maximum Recycled Asphalt per Batch (%) [*Specify the maximum fraction of recycled asphalt to be used per batch.*]

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 (ton/hr) *[Specify the maximum amount of asphalt cement that can be produced per hour by the new equipment.]*

Type of Fuel *[Specify natural gas, propane, #2 fuel oil, waste oil, or other (be specific).]*

Estimated Annual Fuel Usage (Million cu ft/yr, thousand gal/yr) *[Estimate how many million cubic feet of gaseous fuel or thousands of gallons of liquid fuel will be burned annually. Alternatively, specify how many billion Btu/yr.]*

Nitrogen Oxide Emission Controls *[Specify if using low-NOx burners, staged combustion, or flue gas recirculation]*

Type of Control Equipment *[Specify baghouse or venturi scrubber and complete the appropriate permit form for baghouses or Venturi scrubbers.]*

Emission Points Connected to Control Equipment *[Specify which hot aggregate, mineral filler, and hot mix asphalt emission points are ducted to the control equipment (e.g., rotary dryer, hot elevator, weigh hopper, hot mix storage, truck loading).]*

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 (from a baghouse) should equal (0.01)(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]*