

PUGET SOUND CLEAN AIR AGENCY

Additional Notice of Construction Application Requirements for

OTHER PROCESS EQUIPMENT

General

Detailed Description of Equipment and its Purpose [*Specify the type of process equipment in detail and describe its intended purpose (manufacture or repair widgets, etc.)*]

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 process equipment - not necessarily the entire facility.*]

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

Raw Material Properties

Raw Materials [*Specify the raw materials required for the process*]

Estimated Usage or Throughput of Each (units/day, units/yr) [*Estimate the daily and annual usage or throughput of each raw material*]

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 process equipment - not the serial number*]

Rated Capacity (units/hour, units/yr) *[Specify the maximum rated capacity, production or throughput of the process equipment.]*

Batch or Continuous *[Specify if the process is continuous or batch mode]*

Stack *[For units without additional control equipment. Use permit forms for control equipment, as appropriate]*

Stack Height (ft) *[Specify the height of the top of the stack above ground level - not above the building or sea level.]*

Stack Diameter or Rectangular Cross-Sectional Dimensions (inches) *[Specify the internal dimensions - not the external dimensions]*

Exhaust Flowrate (acfm) *[Specify the airflow in actual cubic feet per minute]*

Exhaust Temperature (°F) *[Specify the temperature of the exhaust leaving the stack]*

Distance to Nearest Property Line (ft) *[Specify the distance from the base of the stack to the nearest property line]*

Height, Length and Width of Buildings (ft) *[Specify the approximate dimensions of any buildings that are >40% of the stack height and are located within 5 building heights from the stack]*

Estimated Emissions (lb/day, lb/yr) *[Estimate the emissions of each air pollutant and include your calculations. Emission factors for a variety of processes are available from <http://www.epa.gov/ttn/chief/ap42/index.html>.]*

Operation and Maintenance

Describe Means for Preventing, Regulating and Controlling Emissions *[Specify the physical and operational means for preventing, regulating and controlling emissions. If additional control equipment is used, complete the applicable permit forms]*

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