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Puget Sound Clean Air Agency

PUGET SOUND CLEAN AIR AGENCY

Additional Notice of Construction Application Requirements for

COMPOSTING

General

Description of Operation and its Purpose *[Specify the type of operation (aerobic or anaerobic) and its intended use (produce wholesale or retail compost).]*

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 operation - not necessarily the entire facility]*

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

Distances to Nearest Property Line (ft) *[Specify the minimum distance from the processing operation to the property line.]*

Raw Material Properties

Types of Materials Composted *[Specify yard waste, land clearing debris, food waste (and origin), agricultural wastes (be specific), sewage sludge, animal waste (be specific).]*

Estimated Amount of Each Material Processed (ton/day, ton/yr) *[Estimate the weight of each material processed per day and per year. This weight should roughly equate to the weights of each material received and the weight of compost produced.]*

Time Between Waste Generation and Waste Processing (days) *[Specify the number of days the material waits to be processed]*

Design

Equipment Used *[Specify the processing equipment used (hammermill, tub grinder, tanks, aeration piping, front end loaders etc. used to turn the materials, bagging facilities). Include a flow diagram.]*

Carbon to Nitrogen Ratio, Oxygen and Moisture Contents (%), Porosity, Temperature (°F), and pH *[Specify the desired initial carbon to nitrogen ratio, minimum oxygen, minimum and maximum moisture, minimum porosity, minimum peak temperature, and minimum and maximum leachate pH.]*

Operation and Maintenance

Means for Regulating Process and Controlling Odor *[Specify the methods used to obtain the proper C/N ratio oxygen, moisture, porosity, temperature, and leachate pH. Include the frequency of turning the windrows (if not continuously aerated) and the method used to determine maturity of compost (e.g., Solvita test). If a biofilter is used, complete the permit form for biofilters]*

Monitoring Frequencies for Moisture, Oxygen, Temperature, pH *[Specify how often moisture, oxygen, temperature and pH is to be monitored]*