

A-39 Roof Vents and Fugitive Emissions

This activity applies to processes that vent emissions to the roof and/or the accumulation of pollutants on your roof. Processes of special concern are stone cutting, metal grinding, spray painting, paint stripping, galvanizing and electroplating.

Best Management Practices (BMPs) are required by King County Code 9.12. If the BMPs included here are not enough to prevent contamination of stormwater, you will be required to take additional measures.

Required BMPs:

- Identify processes that are vented and may contribute pollutants to the roof. Pollutants of concern include and are not limited to: metal dust, grease from food preparation, solvents, hydrocarbon, fines, and stone dust.
- Install appropriate source control measures such as air pollution control equipment (filters, scrubbers, and other treatment) and/or institute operational or process changes.
- If proper installation and maintenance of air pollution control equipment does not prevent pollutant fallout on your roof, additional treatment of the roof runoff may be necessary. Install/provide appropriate devices for roof runoff before it is discharged off site. This may include approved water quality treatment BMPs or structural stormwater treatment systems.

Required Routine Maintenance:

- Maintain air filters and pollution control equipment on a regular basis to ensure they are working properly. (If you smell odors from outside the building, the pollution control equipment may need maintenance or evaluation.)
- When cleaning accumulated emissions from roof tops, collect the washwater and loose materials using a sump pump, wet vacuum or similar device. Discharge the collected runoff to the sanitary sewer or have a waste disposal company remove it.

Additional Information:

- Water quality treatment Information Sheet
- Disposal Information Sheet

Contact Puget Sound Clean Air Agency and/or the Washington State Department of Ecology (Ecology) for air pollution control regulations. If your activities are permitted by either of these agencies, these requirements are supplemental. Additionally, if you are covered under an Ecology National Pollutant Discharge Elimination System (NPDES) Industrial Permit, and sampling for specific parameters is required, these BMPs may assist you in attaining your permit conditions.