

**JOINT BASE LEWIS MCCHORD
PERMIT REQUIRED MANAGEMENT PRACTICES
WASTEWATER PRETREATMENT**

This permit required management practice (PRMP) is being issued instead of an individual permit. PRMPs are mandatory under the Clean Water Act (CWA) and promote compliance with the NPDES permit requirements for stormwater and pretreatment programs. The intent is to provide efficient and effective procedures that protect personnel, plant operations, groundwater, surface water, marine waters and prevent wastewater treatment plant pass through. When these PRMPs are followed properly, they are an effective means of source control which prevents potential pass through or 'slugs' of untreated pollutants from entering the sanitary sewer system or illicit discharges to the stormwater system.

AIRCRAFT DEICING

Deicing is the process of removal (deicing) and prevention (anti-icing) of frost, ice, or snow accumulation on aircraft and airfield areas. The removal and prevention of frost, ice, or snow typically requires application of chemical products. These products may not enter the environment through storm water runoff. If collected and treated, the wastewater treatment plant may not be able to completely remove the Biochemical Oxygen Demand effects of deicing chemicals (e.g., glycols) before they are discharged to the environment. Dissolved oxygen can be depleted in groundwater and surface water or pose toxic risks to aquatic environmental receptors.

Methods of controlling and/or capturing used deicers

1. Minimize the use of deicing agents whenever possible.
2. Use only deicing agents approved in Army or Air Force Technical Manuals for aircraft.
3. Block or close storm drain sewers.
4. Conduct deicing operations in areas where fluids can easily be retained. Locations are identified in 62D Airlift Wing Instruction 21-03, Ramp Operations Procedures.
5. Use mechanical vacuum sweepers or similar devices to capture runoff.
6. Obtain a Wastewater Discharge Permit from Public Works Customer Service to discharge the captured deicing fluids to the sanitary sewer.
7. If possible, recycle used antifreeze through an approved subcontractor in accordance with the State Dangerous Waste Regulation, Washington Administrative Code 173-303.
8. Practice proper spill prevention and cleanup.
9. Do not discharge slugs of deicing chemical to sanitary sewer or surface water bodies.

For additional pretreatment information, contact the Public Works Pretreatment Program at usarmy.jblm.imcom-central.list.dpw-pretreatment@mail.mil.

NOTE: All PRMPs are in the process of significant format and content update to meet multiple NPDES permit discharge requirements, JBLM 200-2 and JBLM 200-3.