King County

KING COUNTY INTERNATONAL AIRPORT
POLICY AND PROCEDURE

Effective Date: November 7, 2013 Signed: _____
Division Director

Topic: Aircraft De-icing and Washing Policy

I. Policy:

In accordance with applicable state and federal laws, it is the policy of the King County International Airport (Airport) that any Operator must perform aircraft de-icing or washing activities on Airport designated or tenant-owned de-icing/wash pads.

Liquids generated from aircraft de-icing or washing operations that drain to areas off of a designated de-icing/wash pad will be considered as a spill and is subject to the Airport's Current Spill Response Policy.

This policy replaces the "**Aircraft De-icing and Washing Policy**" (issued by the Airport on November 9, 2011).

II. Organizations Affected:

This policy and procedure shall apply to all Operators on the Airport.

III. Definitions:

- **Operator** is any individual or organization with access to the Airport and for any reason may have the need for or performs aircraft de-icing or washing.

- **De-icing** is the use of de-icing liquid applied to the exterior of an aircraft for the purpose of removing ice from the aircraft.

- **Washing** is the act of cleaning with water, sometimes with soap or detergent, to remove dirt, oil, and debris.

- Public de-icing/wash pads operated by the Airport are located at Gate 3 through 6 at the Terminal Building, SW Airpark, Midfield Airpark and NE Airpark. A vehicle wash pad is located at the Airport Maintenance Shop. All these facilities are routed for permitted discharge to the sanitary sewer system. Refer to the attached map for locations of Airport public de-icing/wash pads. In addition to this the map also includes tenant-controlled de-icing/wash pads.

IV. Responsibilities and Procedures:

KCIA Public De-icing/Wash Pads

Only those locations illustrated in the attached map shall be used for aircraft de-icing or washing.

The Gate 3-6 de-icing/wash pad is routed to the sanitary sewer only during the De-icing Period from November through February and is routed to the Airport's stormwater drainage system outside of this period. Prior permission is required for Deicing by contacting Airport Operations at (206) 296-7334 to ensure that the public use pad is routed to sanitary sewer system. Aircraft de-icing outside of the De-icing Period will be permitted on a case by case basis upon obtaining approval from Airport Operations at (206) 296-7334.

The Operator is responsible for all costs associated with de-icing and washing activities including de-icing liquids and equipment, cleanup costs and/or regulatory penalties.

Tenant-Controlled De-icing/Wash Pads

Tenant-controlled de-icing/wash pads must be routed to the sanitary sewer for discharge and must be conducted in accordance with King County Industrial Waste (KCIW) Discharge Permit/Authorization requirements for discharges. Operators who will utilize tenant-controlled wash/de-icing pads must obtain permission from the tenant prior to utilization.

De-icing and washing operations may be conducted outside of de-icing/wash pads provided the tenant's facility is covered by a Washington State Department of Ecology National Pollutant Discharge Elimination System (NPDES) Permit for Industrial Activity. In addition, proper de-icing/washing procedures must also be included in the tenant's Stormwater Pollution Prevention Plan (SWPPP), a plan required by the NPDES permit. De-icing/washing procedures must include, at a minimum, the following measures:

- All affected stormwater inlets are adequately plugged before de-icing and washing operations can occur.

- The apron/ramp surface must be washed to sufficiently remove all de-icing solution and debris from the pavement.

- All de-icing solutions, wash-down water, and all associated debris/waste must be collected and transported from the site for disposal to an appropriate offsite facility.

- If de-icing solutions, de-icing equipment and other related washing products are stored outdoors, the tenant must implement appropriate Best Management Practices (BMPs) such as secondary containment and adequate cover from the weather. Otherwise, it is preferred that these materials be stored indoors.

- All other BMPs required by the NPDES Permit.

Those tenants who possess an NPDES Permit or KCIW Discharge Permit/Authorization authorizing them to perform de-icing and washing operations shall provide de-icing usage quantities for the year to the Airport Environmental Engineer within 30 days following the end of each calendar year. Any related information such as material safety data sheets shall also be submitted.

Tenants shall maintain compliance with requirements of the above-mentioned permits/authorizations with the appropriate regulatory agency.

The tenant is responsible for all costs associated with de-icing and washing activities including cleanup costs and/or regulatory penalties.

Tenant Indoor Washing Operations

Indoor washing operations are prohibited at facilities that discharge to the Airport's stormwater drainage system. Indoor washing operations may only be allowed at tenant hangars/facilities that have washing systems routed to:

- Sanitary sewer for discharge – Permit Authorization from King County Industrial Waste (206 263-3000) is required.

- A closed system utilizing a sump or tank for detention - Wash water and debris must be collected and disposed offsite at a proper location.

For additional questions, please contact Airport Operations at (206) 296-7334 or Airport Environmental Engineer at (206) 296-7597.