

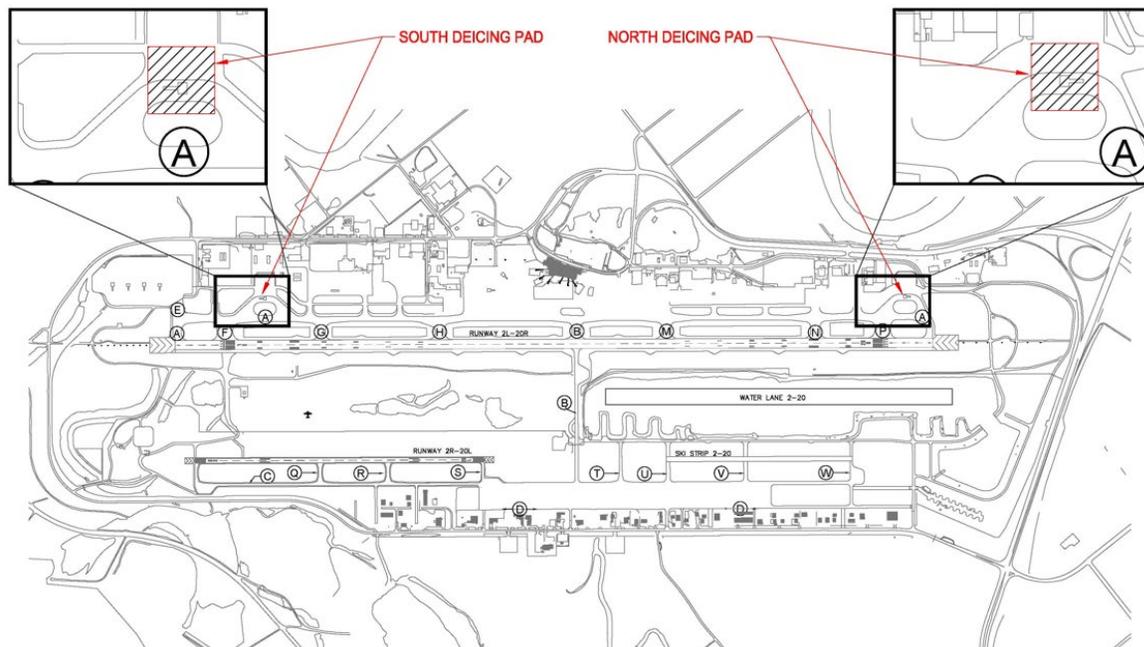
SECTION 8

ENVIRONMENTAL

8.3 AIRCRAFT DEICING ON THE WEST RAMP (rev. 4/2024 JDM)

To facilitate proper collection and treatment of aircraft deicing fluids, and conform to necessary airport maintenance operations, aircraft deicing is limited to the designated areas adjacent to the ends of runway 2L/20R.

During deicing events that lead to congestion at the designated deicing pads, operators may contact Airport Operations and request facilitation of deicing at the end of Taxiway Alpha, adjacent to the deicing pads. The type of deicing fluid and amount applied on the taxiway shall be reported to Airport Operations immediately after each such event. Airport Operations will coordinate with Field Maintenance to manage the effluent back towards the collection basins.



Map 8-1 Deicing Locations

Deicing Reporting

Not later than the fifth day of the month, all airlines and ground service operators shall submit the total volume of deicing fluid applied to aircraft for the previous month. This report will be sent to the Environmental office to both jake.matter@alaska.gov & Fai.environmental@alaska.gov. This form can be found at http://dot.alaska.gov/faiiap/dept-environmental-stormwater_shtml - titled Tenant Monthly Deicing Report.

AIRSIDE CHEMICALS & MATERIALS

Chemicals

Prevention of snow or ice accumulations on the ramps is possible with the proper timing and application of chemicals.

The FAA establishes specifications for approved airside chemical applications. These specifications require vendors to provide airport operators and environmental department with a lab certification stating the chemical conforms to the applicable specifications along with the

submittal of a safety data sheet (SDS) detailing the safe and proper handling of the product. The FAA- approved airside chemicals include:

Liquid Deicer/Anti-icers. Approved products include glycol-based fluids, potassium acetate base, and potassium formate-based fluids.

Solid Deicer/Anti-icer. Approved solid compounds include sodium formate, and sodium acetate.

FAI uses several different FAA-approved airside chemicals in both the liquid and solid state, all of which contain corrosion inhibitors to assure compliance with SAE specifications and are approved for airside applications. Use of these chemicals must be reported the FAI Environmental manager on a monthly basis along with aircraft deicing reports.

Approved AOA Chemicals and Materials

Tenants are only to use the above mentioned approved chemicals and materials. FAI no longer allows the use of urea based deicing chemicals in accordance with EPA and State of Alaska water quality regulations. Also, the use of chloride based materials is **strictly prohibited** on the airfield as they are known to be corrosive to aircraft.