



Ted Stevens
Anchorage
International Airport

ANC

Operations Manual

July 14, 2015

on file, or by an electronic method. Records shall be kept to demonstrate that at least the last 12 monthly inspections have been performed.

All fire extinguishers shall be subjected to maintenance at intervals of not more than 1 year; at the time of hydrostatic test, or when specifically indicated by an inspection or electronic notification. Persons performing maintenance and recharging of extinguishers shall be certified.

Aircraft Deicing

Background

It is the responsibility of the Airport, Airlines and Tenants to ensure that aircraft deicing operations do not cause a violation of the State of Alaska Water Quality Standards and Federal/State Pollution Discharge Elimination System requirements. Also, the Airport wants to ensure that airlines and deicing companies doing business at the airport are taking measures to reduce the use of aircraft deicing fluids (ADF) and to make it easier in the future to recycle and/or treat deicing fluids that end up in storm water.

Tenants are responsible for clearing snow and controlling ice build-up on their leasehold, including precipitation that falls on their aircraft. Aircraft deicing operations are the responsibility of the airlines and their deicing service providers in accordance with FAA regulations and their own multi-sector general storm water permits (MSGP). Aircraft specific deicing operations are detailed by the FAA, but companies performing deicing operations are also required (as per the MSGP) to deice aircraft in a manner that reduces the amount of glycol discharged into the storm water system. In addition, the Airport wants to limit and segregate the use of ethylene glycol from the primary areas of deicing activity to allow for potential recycling opportunities. Toward these goals, companies (including airlines) performing aircraft deicing operations (ADF Users) shall comply with the following provisions effective at the beginning of the deicing season in 2017.

Deicing Equipment

As of August 1, 2017, ADF Users using more than 30,000 gallons of glycol annually, measured as undiluted product, shall use only deicing trucks specifically designed for reducing glycol usage that are equipped with two or more of the following glycol usage reduction tools.

- Forced air
- Proportional mix nozzles
- Low flow nozzles
- Any other FAA or Airport approved glycol usage reduction tool

By September 30, 2016 all ADF Users required to comply with this provision shall provide the airport with a plan to meet the 2017 requirement.

ADF

The use of ADF is restricted as follows to reduce the toxicity of the storm water discharge and enable, in the future, the potential for more cost effective treatment and/or recycling of glycol in storm water.

- ADF Users using 30,000 gallons or less of glycol annually, measured as undiluted product
 - Use only propylene glycol, or
 - Use ethylene glycol only in areas geographically isolated from other ADF Users as approved by the Airport

- ADF Users using more than 30,000 gallons of glycol annually, measured as undiluted product
 - Use only propylene glycol, or
 - Use ethylene glycol in areas geographically isolated from other ADF Users, as approved by the Airport, AND collect and properly dispose of, off-airport, 40% of the glycol used