

Summary

- Records should be kept of the type and quantity of deicing fluid utilized on a monthly basis.
- Dry weather discharges of deicing fluids are not allowed under the Airport's current discharge permit.
- Assess deicing activities for excessive deicing usage.
- Conduct deicing activities away from storm drains.
- Perform deicing activities only in the designated area.
- Collect and recycle used deicing fluid to the greatest extent practical.

Regulations update

The EPA had recently proposed new regulations concerning aircraft deicing activities which would have required that 20% of the deicing fluid utilized on the airport be captured and then treated or properly disposed. The new rule was not enacted by the EPA. Instead they determined that the best way to handle deicing discharges was through the current discharge permit program.



Picture from the following web site: www.nsrwa.org

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Protecting the Vermillion River: Your Recreational Area

Part 5 – Aircraft Deicing

Lafayette Airport Commission
Lafayette Regional Airport



Picture from the following web site: nonpoint.deq.louisiana.gov

Why is deicing fluid runoff such an issue?

According to the Environmental Protection Agency (EPA), “The introduction of ethylene and propylene glycol to a waterway causes depletion of oxygen, which leads to fish kills and undesirable bacterial growth. Additionally, additives present in the deicing fluid, such as corrosion inhibitors, wetting agents, flame retardants, pH buffers, and dispersing agents can produce toxic byproducts and exhibit high aquatic and mammal toxicities.”



Picture from the following web site: airportbusiness.com

What are the requirements for aircraft deicing?

A summary of the requirements for aircraft deicing that are listed in the Airports Stormwater Discharge Permit issued by the Louisiana Department of Environmental Quality are as follows:

- Records of the types and quantities of deicing fluid utilized before dilution with water should be kept on a monthly basis and submitted to the Airport Commission.
- Dry weather discharges of deicing fluids are not allowed.
- Deicing operations should be assessed for excessive deicing fluid usage.
- Use alternatives to minimize deicing fluid usage such as hot water and hot air pretreatment.
- Conduct deicing activities away for stormwater drainage inlets and only in the designated deicing area.
- Collect and recycle to greatest extent practical used deicing fluid and keep all associated documentation.



Picture from the following web site: ci.st-augustine.fl.us/images/DrainLogo_edited-1copy_000.jpg

Is there a designated area for deicing at the airport?

Yes, the designated deicing area is the terminal ramp area and taxiway bravo located in front of the terminal and the cargo area (see picture below – deicing area is shown in red).

