SC5

AIRCRAFT ANTI-ICING AND DEICING

DESCRIPTION:

Prevent or reduce the discharge of pollutants to stormwater from aircraft anti-icing and deicing.

TARGETED ACTIVITIES:

Aircraft Anti-icing and Deicing

APPROACH:

Aircraft deicing operations can be performed utilizing techniques and facilities similar to those used for aircraft washing.

* Depending on conditions, apply enough deicing fluid to surfaces to ensure the safe operation of the aircraft. Excess fluid dripped to the ground contaminates soil and water if not properly disposed of.
* When designing anti-icing/deicing operations areas, consider the following characteristics:
  - Paved with Portland cement concrete.
  - Sloped to facilitate anti-icing fluid collection.
  - Deicing fluids should be collected in a dead-end sump for removal or discharge to the sanitary sewer through permitted collection or recycled.
  - Clearly designated.
  - Equipped with an oil/water separator.
* Implement forthcoming recommendations, if applicable, of the FAA technical committee on deicing.
* Develop deicing chemical use inventory system.
  - Determine deicing chemical fate to assist in developing appropriate removal methods.

REQUIREMENTS:

Costs associated with the collection and proper disposal of deicing fluids can be high.

LIMITATIONS:

Wastewater agencies may ban conventional deicing chemicals such as ethylene glycol from the sanitary sewer system or may require extensive pretreatment and monitoring of deicing fluid discharges to the sanitary sewer.

NOT APPLICABLE AT THIS TIME