

LAKE TAHOE airport

City of South Lake Tahoe, California



Ground Deicing/Anti-icing Tank Maintenance Policy and Procedures

May 2017

A handwritten signature in black ink that reads "Mark B. Gibbs".

Mark Gibbs, A.A.E.

Lake Tahoe Airport

Deicing Policy

The Lake Tahoe Airport has an engineered deicing area to contain the waste from deicing operations and stop it from entering the storm drain system and/or drainage channel located to the east of the ramp areas.

These procedures are meant to facilitate the safe and efficient application of deicing operations as well as assist in preventing excess effluent from entering the rivers, streams and lake of the Lake Tahoe Basin.

The following procedures shall be followed and adhered to during all deicing operations at TVL.

1. Aircraft deicing can only occur between October 1 and May 15
2. Airport Manager will receive monthly glycol discharge amounts (in gallons) from Mountain West Aviation for the months between October 1 and May 15 each year. The Airport will maintain records of the amount of glycol entering into the deicing retention tank.
3. Deicing shall occur strictly on the deicing pad unless approved by the Airport Director.
4. Effluent shall not be sprayed except directly on aircraft surfaces.
5. Effluent shall not be allowed to enter the storm drain system.
6. Effluent shall not be allowed to enter the drainage channel.
7. Effluent sprayed outside of the deicing pad shall be vacuumed up or absorbed with absorbent material and disposed of as hazardous material.
8. Any effluent reaching the soil in any area shall be eliminated by removing all the soil that has been contaminated. Contaminated soil shall be treated like hazmat and hauled off of the airport.



Any spill of glycol type I onto bare ground or into storm water drainage shall notify the airport manager immediately via cell phone (530) 208-8074. If unable to reach the Airport Manager he/she shall notify the Public Works Director cell at (530) 208-8304. City employees shall reference the Hazardous Materials Business Plan for spill response. A copy of the Lake Tahoe Airport Hazardous Materials Business

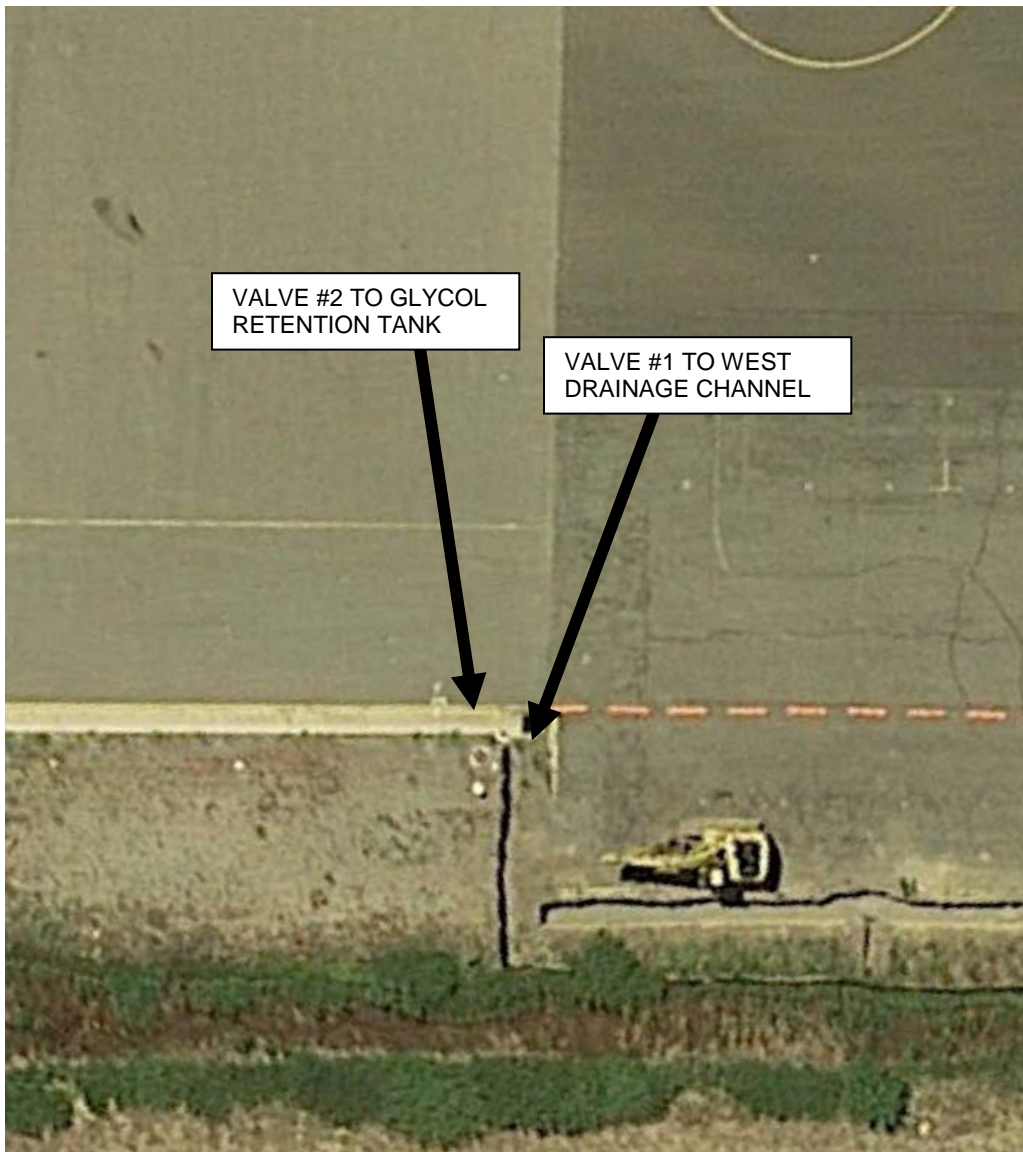
Plan is located in a binder with the response supplies. The Hazardous Materials Spill Response Supplies are located in the Airport Maintenance Building. Notifications must be made by telephone to all of the following on the day any glycol spill reaches surface water or bare earth. All attempts should be made to prevent spill from leaving the asphaltic aviation ramp.

Lahontan Water District **530-542-5400**
El Dorado County **530-573-3450**
(Environmental Health)
City Storm Water Coordinator **530-542-6038**



Procedures for Operating the Deicing Containment System

The deicing tank is not operable between May 16 and September 30. The tank will be tagged out of service and no use shall take place.



1. Close Valve #1
 - a. This is the valve that leads to the drainage channel.
2. Open Valve #2
 - a. This is the valve that leads to the effluent storage tank.
3. Deice aircraft in accordance with the deicing manual and/or Pilots instructions. After deicing aircraft wait one (1) hour until returning the tank to normal non deicing configuration.



4. Close Valve #2

a. This is the valve that leads to the effluent storage tank.

5. Open Valve #1

a. This is the valve that leads to the drainage channel.

After September 1 the glycol holding tank will be pumped of all waste product and properly disposed of by Reno Drain Oil in conformance with the Clean Water Act-California and the Water Control Plan for the Lahontan Region (1995). The waste manifest must be provided from Reno Drain Oil Service to the Airport Manager for inclusion in the Storm Water Prevention Pollution Plan as this is a mandatory record to be retained by the airport for compliance purposes.

Due to the proximity of the holding tank to the west airport storm water conveyance channel the subsurface tank when empty becomes buoyant and places pressure on the ground above. This is due to high ground water levels in spring (May) so do not pump the holding tank until late in the summer season.

Glycol Tank Pumping and Removal is conducted by **Reno Drain Oil Service**

Reno Drain Oil Service

11970 I-80 East

Sparks, NV. 89434

<http://www.rdoenvironmental.com/>

24 Hour Emergency Response Number

(775) 772-4202

Sparks Nevada Office Number

(775) 342-0351

Water Quality Laboratory Testing by **Sierra Environmental Monitoring**

Sierra Environmental Monitoring

1135 Financial Blvd.

Reno, Nevada 89502

Phone (775) 857-2400

Account # LTA-742