The attached document was submitted to the Washoe County Board of Commissioners during the meeting held on August 6, 2019.

by City of Reno

for Agenda Item No. 5(2)

and included here pursuant to NRS 241.020(8).
Irrigation Project - Swan Lake to American Flat Property

Washoe County Board of Commissioners, Reno City Council, Reno Tahoe Airport Authority
August 6, 2019
Swan Lake Status Update

Swan Lake Water Elevations 2017-19

Top of HESCO Barrier = 4926 ft Elevation

FEMA Designated Flood Plain = 4924 ft Elevation

Peak 2017 Water Lake Level = 4923.3 ft on April 21, 2017 (After HESCO was installed)

Peak 2018 Water Lake Level = 4922.3 ft on May 29, 2018

Peak 2019 Water Lake Level = 4923.5 ft on

Precipitation (in)

Elevation (ft)


0 0.5 1 1.5 2 2.5 3

Yellow: Precipitation  Blue: Swan Lake Average WSEI
Water Quality – Regulatory Input

- NDEP – No Bureau of Water Pollution Permits required if using lake water.
- WCHD – Water quality tested on a regular basis for bacteria levels; no adverse effect on public health.
  - Recommend to continue sampling and testing.
  - Provides aeration and reduces mosquito habitat.
The attached document was submitted to the Washoe County Board of Commissioners during the meeting held on **August 6, 2019** by **Oscar Delgado** for Agenda Item No. **5.2** and included here pursuant to NRS 241.020(8).
Fwd: Swan and Silver Lake

1 message

Reno <delgado@reno.gov>  
To: Ashley Turney <turneya@reno.gov>  

Tue, Aug 6, 2019 at 4:14 PM

FYI

Sent from my iPad

Begin forwarded message:

From: "Dick, Kevin" <KDick@washoeCounty.us>
Date: August 6, 2019 at 8:57:25 AM PDT
To: "Delgado, Oscar" <delgado@reno.gov>
Subject: RE: Swan and Silver Lake

We discontinued our sampling of Swan Lake in 2017 because it continued to show it met recreational water quality standards. The county has continued to sample Swan Lake due to complaints regarding the effluent discharge from the treatment plant. We have a new batch of sample results they are submitting for our review. To date the samples have continued to demonstrate that the water meets recreational standards. We also ceased sampling in Silver Lake in 2017 because the samples continued to indicate it met recreational standards. Staff are looking into whether the County is conducting any sampling at Silver Lake at this time. I’m not aware that they are.

Residents have made complaints regarding water quality and smell for several years, but our data hasn’t indicated there is a problem.

Kevin Dick

District Health Officer | Washoe County Health District

kdick@washoeCounty.us | (775) 328-2416 | 1001 E. Ninth St., Bldg. B, Reno, NV 89512

Residents have made complaints regarding water quality and smell for several years, but our data hasn’t indicated there is a problem.

From: Delgado, Oscar
Sent: Monday, August 5, 2019 5:53 PM
To: Dick, Kevin
Subject: Swan and Silver Lake
[NOTICE: This message originated outside of Washoe County -- DO NOT CLICK on links or open attachments unless you are sure the content is safe.]

Do we check the water quality in Swan and Silver lake? People are suggesting that the water stinks and is bad.

Oscar

Sent from my iPad

CONFIDENTIALITY NOTICE: This e-mail transmission, and any documents, files or previous e-mail messages attached to it may contain confidential information that is also legally privileged. If you are not the intended recipient, or a person responsible for delivering it to the intended recipient, you are hereby notified that any disclosure, copying, distribution or use of any of the information contained in or attached to this transmission is prohibited. If you have received this transmission in error, please immediately notify the sender and immediately destroy the original transmission and its attachments without reading or saving in any manner. Thank you.
The attached document was submitted to the Washoe County Board of Commissioners during the meeting held on **August 6, 2019**.

by **Dwayne Smith**

for Agenda Item No. **5.2**

and included here pursuant to NRS 241.020(8).
DATE: July 10, 2019

TO: Dave Solaro, Recovery Director, North Valleys Flood 2017 and Interim County Manager

FROM: James English, Environmental Health Supervisor

EC/CC: Dwayne Smith, Community Services Department
      Dylan Menes, Community Services Department
      Ben Jesch, Community Services Department

SUBJECT: Swan Lake Aeration/Evaporation Project

The Washoe County Health District (WCHD) has met with Washoe County Community Services Department (CSD) regarding various ways to mitigate or possibly artificially reduce the level of Swan Lake within Lemmon Valley Nevada. One such option being investigated is the evaporation through industrial misters.

The WCHD has reviewed this option as proposed and does not see it as having any adverse effects on public health or the environment. Currently Swan Lake’s water quality is tested on a regular basis for bacteria levels and no results have shown water quality unsafe for human contact or recreation. WCHD concurs with the Nevada Division of Public and Behavioral Health (DPBH) that possible aeration of algae, whether viable or not through the misters will also not have an adverse effect on public health or the environment. WCHD would be supportive of the aeration option as it will help reduce water levels, possibly reduce mosquito habitat and also provide for some additional movement and aeration of the water thus possibly reducing algae blooms.

WCHD recommends CSD move forward with a pilot test using misters at the lake for additional evaporation. During such testing, water quality sampling should continue and if possible a sample should be collected from a mister to compare to actual lake levels. WCHD also recommends CSD come up with a plan to stop or halt aeration through misters if indeed the lake’s water quality deteriorates to levels which are unsafe for human contact.

WCHD will continue to provide input and review water quality test results or operational plans as requested by CSD for the basis of protecting public health and the environment if requested.