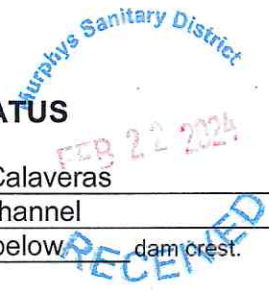


STATE OF CALIFORNIA
 CALIFORNIA NATURAL RESOURCES AGENCY
 DEPARTMENT OF WATER RESOURCES
 DIVISION OF SAFETY OF DAMS



INSPECTION OF DAM AND RESERVOIR IN CERTIFIED STATUS

Name of Dam Murphys Wastewater Dam No. 2024 County Calaveras
 Type of Dam Earth Type of Spillway Drop Inlet/Culvert/Open Channel
 Water is ~15 feet below spillway crest and ~19 feet below dam crest.

Weather Conditions Overcast: ~ 55°F
 Contacts Made Dan Murphy and Clay Onstad with Murphy Sanitation District.
 Reason for Inspection Maintenance Inspection

Important Observations, Recommendations or Actions Taken

The owner has satisfactorily repaired the low-level outlet vent pipe. The dams are well maintained, and no outstanding maintenance items were identified during this inspection, but the owner needs to continue with their rodent control measures and needs to continue to breakup, backfill, and compact existing rodent holes. Two of the three drainpipes were observed during this inspection. All three drainpipes need to be observed during the next inspection. A picture of the right drain needs to be taken during the next inspection.

Conclusions

From the known information and visual inspection, the dam, reservoir, and all appurtenances are judged safe for continued use.

Observations and Comments

<u>Dams</u>	We walked the crests, downstream groins, and toes of the West Dike, East Dike, and Main Dam. The crests of the dams were straight, level, and in satisfactory condition. The upstream and downstream faces of the dams showed no signs of instability or distress. Vegetation and rodent control on all the dams were satisfactory, but the owner needs to continue with their annual rodent control efforts.
<u>Spillway</u>	The spillway approach, drop inlet, culvert, and downstream channel were clear and unobstructed. The concrete surfaces of the spillway drop inlet and channel were in satisfactory condition with no significant spalls or cracks observed. The spillway is in satisfactory condition for continued use.
<u>Outlet</u>	The low-level outlet is located on the West Dike and is controlled by an upstream slide gate. There is no downstream control. The upstream slide gate was fully cycled during this inspection with no observed issues. The owner has re-installed the end plug on the outlet vent pipe and has painted the gate stem and vent pipe to protect them from rust.
<u>Seepage</u>	The downstream faces, groins, and toes of the dams appeared dry during this inspection. Two of the three drainpipes were observed during this inspection. No flow was observed in the two drainpipes. All three drainpipes need to be observed during the next inspection. As noted in the previous inspection reports, a future inspection needs to provide a picture of the right drainpipe to document its location at the dam. A photo of the drainpipe was not taken during this inspection. The seepage conditions are consistent with past observations under similar reservoir levels.
<u>Instr.</u>	There is no instrumentation at this dam, and none is deemed necessary at this time.

Photos taken? Yes No
 cc for Owner/Book

Inspected by O. Madera Gutierrez *OMG* 2/9/2024
 Date of Inspection 01/16/2024 *PPD* 2/10/2024
 Date of Report 01/24/2024 *TB* for TWJ 2/12/2024

INSPECTION OF DAM AND RESERVOIR IN CERTIFIED STATUS

Name of Dam Murphys Wastewater

Dam No. 2024

Date of Inspection 01/16/2024



Photo 1: View of the crest and upstream face of the West Dike from the right abutment.



Photo 2: View of the downstream face of the West Dike from the right abutment.

INSPECTION OF DAM AND RESERVOIR IN CERTIFIED STATUS

Name of Dam Murphys Wastewater

Dam No. 2024

Date of Inspection 01/16/2024



Photo 5: View of the downstream face of the Main Dam.



Photo 6: View of the upstream slide gate inlet looking downstream.

INSPECTION OF DAM AND RESERVOIR IN CERTIFIED STATUS

Name of Dam Murphys Wastewater

Dam No. 2024

Date of Inspection 01/16/2024



Photo 7: View of the spillway approach and drop inlet.



Photo 8: View of the left drain at the toe of the West Dike.