

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 5 feet below spillway crest and 9 feet below dam crest.

Weather Conditions Cold and Sunny
 Contacts Made Dan Murphy and Clay Onstad with Murphy Sanitation District.
 Reason for Inspection Maintenance Inspection.

Important Observations, Recommendations or Actions Taken

As requested during the previous inspection, the large rodent holes on the downstream face of the dam have been backfilled and compacted with fill material.

The following maintenance items require the owner's attention:

1. Continue with annual vegetation and rodent control efforts.
2. Repair the vent-pipe on the low outlet control controls.

Arrangements need to be made to cycle the low-level outlet controls 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, all groins, and downstream toes of the West Dike, East Dike and Main Dam. The crests, both slopes, abutment contacts, groins, and toe areas of the Main Dam, West Dike, and East Dike were all in satisfactory condition with no signs of instability or distress. The crests are straight, level, and in good condition. Vegetation and rodent control at all dams were satisfactory; however, we asked the owner to continue with annual control efforts. We observed low hanging branches on the upper right groin of the Main Dam that we requested to be trimmed to provide at least 6 feet of clearance off the dam embankment. We also observed minor amounts of berry brush on the East Dike and requested their removal.
<u>Spillway</u>	The spillway approach, drop inlet, culvert entrance, and downstream channel were all clear and unobstructed. Concrete surfaces at the drop inlet and along the downstream spillway channel remain in good condition with no significant cracking or spalling.
<u>Outlet</u>	The low-level outlet is located at the West Dike and controlled by an upstream slide gate. The controller, on the crest, for the upstream slide gate appeared well maintained; however, the end plug of the outlet vent pipe had fallen out. We requested the vent pipe be repaired. There is no downstream control on the outlet pipe. The controls of the gate were cycled during the 07/22/2020 inspection and they operated satisfactorily. We notified the owner that the outlet needs to be fully cycled annually per the requirements specified in the CA Water Code. All low-level outlet controls need to be cycled in our presence during the next scheduled inspection.

Photos taken? Yes X No _____
 cc for Owner/Book

OMG 2/9/2023
PPD 2/9/2023
TO 2/9/2023

Inspected by Param Dhillon
 Date of Inspection Oscar Madera Gutierrez
 Date of Report 01/26/2023
01/27/2023

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Date of Inspection 01/26/2023

Observations and Comments

Seepage The downstream faces, groins, and toes of all the embankments were dry. The field below the toe of the west dike was saturated, a condition due to the recent heavy rainfall. The three drain outfalls at the toe of the West Dike were fully exposed with no observed flow. As noted in the previous inspection report, 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.

Instr. There are no reporting requirements for the three drainpipes at this dam and none are judged necessary at this time.



1. Upstream face of west dike with good vegetation control.

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Name of Dam Murphys Wastewater

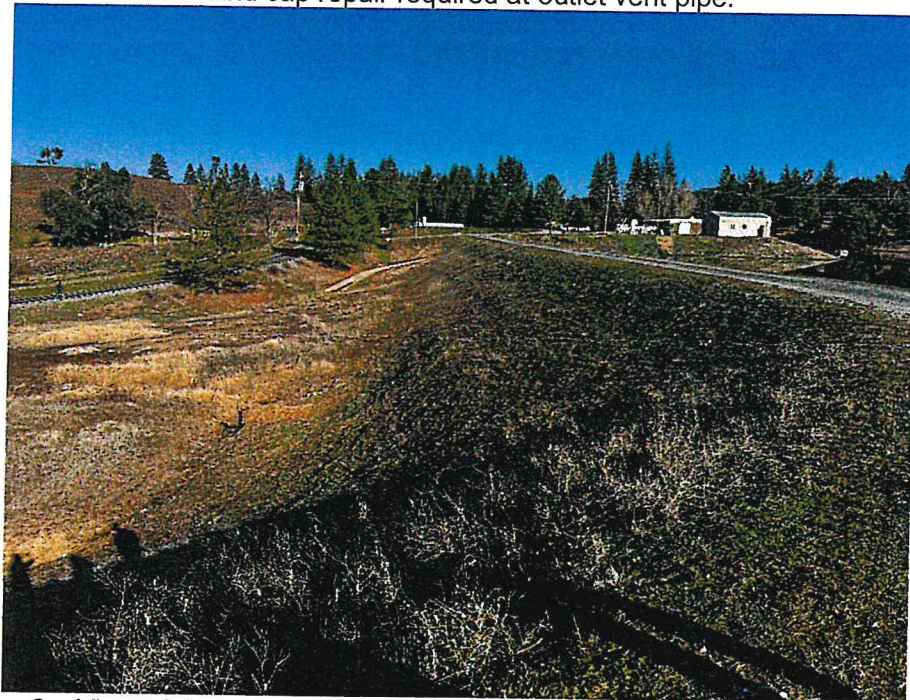
Dam No. 2024

Date of Inspection 01/26/2023

Observations and Comments



2. End cap repair required at outlet vent pipe.



3. View of downstream face of the West Dike from left abutment.

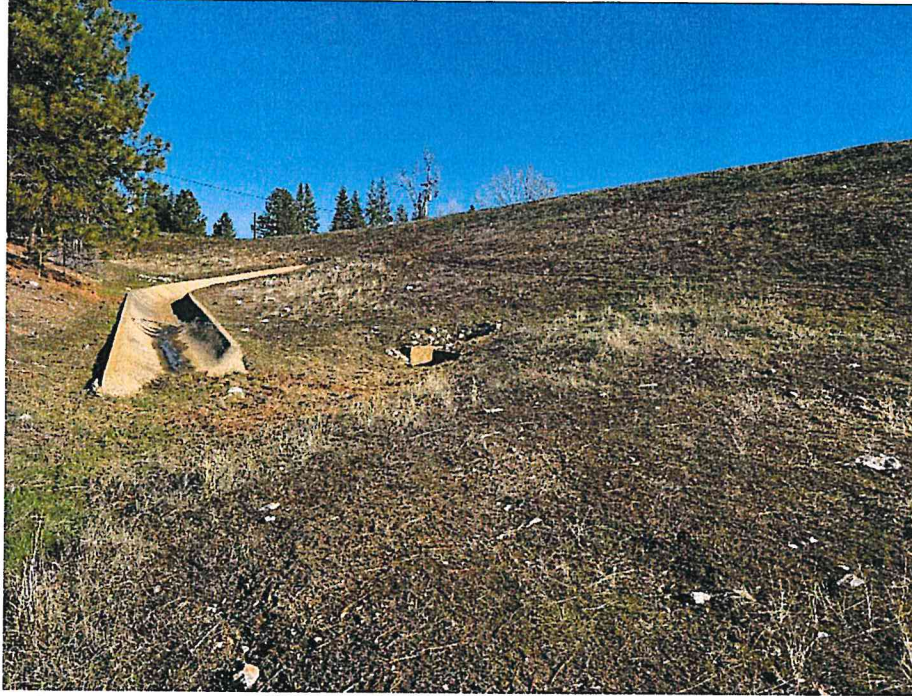
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4. Concrete lined spillway channel observed looking upstream



5. Continued vegetation control of berry vine brush required on the upstream face of East Dike.

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6. Main Dam downstream face observed from left side. Trimming of marked low hanging branches required.



7. Main Dam upstream face observed from left side.

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8. Main Dam crest observed from right side.