

**MEMORANDUM**

January 19, 2022

**TO:** Reclamation District No. 2026

**FROM:** Nathan Hershey

**SUBJECT:** **January 2022 Engineer's Report**

Described below are the engineering items to be discussed at your January 19, 2022 meeting.

**Subventions 2020-21** – The District submitted an application for participation in the Program in the amount of \$2,395,000. \$12 million has been approved for Program funding for FY 2020-21. A final claim in the amount of \$116,155.48 was submitted.

**Subventions 2021-22** – The District submitted an application for participation in the Program in the amount of \$665,000. \$10 million has been approved for the Program for FY 2021-22.

**Annual Maintenance** – Attached are the current maintenance items we are tracking. AB is currently being delivered to various areas of the levee system for future maintenance purposes.

**Five Year Plan** – Work on the Five-Year Plan is currently in progress. A draft of the plan has been distributed via email and we have addressed the comments received to date. We have also addressed DWR's comments. DWR has extended the expiration date of the funding agreements to December 31, 2022. At DWR's request, we will be submitting the anticipated total cost of improvements for planning purposes by the end of the month.

**Emergency Drought Barrier** – DWR informed us partial removal of the False River Barrier has commenced. The intent is to create a notch 400 feet wide with a minimum depth of 12 feet to allow for fish and boat passage. The notch will remain until April and then may be backfilled, assuming drought conditions remain.

**SB 88** – Work under Phase 3 of the measurement experiment has been completed. Phase 3 efforts primarily involved installing 8 additional flange magnetic meters on the water side of the highest use siphons, with at least one flow meter on each island. Work under Phase 4 of the measurement experiment is expected to begin in the near future. MWD has authorized the purchase of 25 flow meters along with telemetry units to be installed on all four islands. The flow meters, flanges, bolts, and job boxes were delivered by Technoflo earlier this month. MWD has begun their inspection of the delivered equipment and will reach out to Technoflo if anything is missing and/or damaged. MWD has also begun the process of selecting a contractor to perform the installations of this equipment. The installations are estimated to be completed before the end of 2022. MBK has conducted visits to the proposed sites to identify work that needs to be completed prior to installing the flow meters. MBK will work with MWD and the selected contractor to complete these preparations.

After reviewing the notes and photos from MBK's visits to the Phase 4 sites, 4 siphons were identified as potentially having asbestos or had a tar coating on the pipe exterior. These hazardous materials could harm

the contractor and the environment if not disposed of properly. MBK visited these sites with an environmental consultant, Bovee Environmental Management, on December 30th to determine if any hazardous materials are present. The tests showed hazardous materials were present at 3 of the 4 sites. MWD has already contracted with W.C. Maloney to remove the materials in the area where the flow meter would be installed. MBK will be joining W.C. Maloney at the first site to ensure there is enough material for the flow meter installation to continue.

MWD and the RDs are in compliance for calendar year 2022 under an approved extension of time. The extension was approved by the Delta Watermaster on January 13th, 2022 and will expire on January 1st, 2024. The extension of time included a Plan for Compliance which provides details regarding the methods to estimate diversions on siphons without flow meters and provides a measurement equipment installation schedule. MWD currently anticipates that installing all the flow meters will take five years. Therefore, MBK has provided cost estimates for flange magnetic meters with telemetry equipment installed on the water side of all active siphons.

Development of the Delta-wide ACP by the Delta Measurement Experiment Consortium to utilize Open ET for measuring and reporting diversions continues. RD staff are currently in the process of creating place of use polygons for each of the islands. MBK and MWD continue to participate in the Consortium.

# Reclamation District No. 2026 Webb Tract

## Issue Tracking Summary

1/14/2022

IssueID	Priority	Report Date	Reporter	Location	Issue Type	Description	Action	Field Notes
3	Medium	10/4/2016	Jaime Barajas	Station 614	Broken Equipment	Pump station platform pile appears to have buckled.	Repair	Dino to investigate and repair; Schedule TBD. See photos.
19	Medium	2/1/2017	Jaime Barajas	Station 614	Boil	Boil located near pump station	Investigate	Jaime to monitor. On 3/22/17 District forces coretrenched levee and found no cause for seepage.
50	Low	7/21/2017	Russ Ryan	Station 180	Crack	Possible small crack between WS crown and AB splash berm	Monitor	
61	Medium	1/19/2018	Ralph Heringer	Station 164+60 False River Pump	Seepage	Seepage under discharge pipes. Ongoing problem.	Monitor	Investigate problem; This has been a long-term issue. 6/9/18 Photos received from Jaime; MBK investigating options for remediation
61.1		6/10/2019	Nate Hershey			Seepage berm construction complete. RD forces placed 6,026 cy of material. Continue to monitor.		
69	Medium	7/10/2018	Andrew Reece	Station 408	Sloughing	Approx. 200ft of rip rap sloughing	Monitor	
105	Medium	12/10/2020	Dave Forkel	Sta 378+00	Crack		Monitor	