

MEMORANDUM

May 18, 2022

TO: Reclamation District No. 2026

FROM: Nathan Hershey

SUBJECT: May 2022 Engineer's Report

Described below are the engineering items to be discussed at your May 18, 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.

Subventions 2022-23 – The District submitted an application for participation in the Program in the amount of \$665,000.

Annual Maintenance – Attached are the current maintenance items we are tracking.

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 submitted the anticipated total cost of improvements for their planning purposes.

Emergency Drought Barrier – DWR has backfilled the notch in the barrier. Two large scour holes developed in the middle of the channel downstream of the barrier when the notch was initially excavated. We have been monitoring the progression of the scour. Now that the notch has been fully backfilled, the scour should be relatively stable.

SB 88 – Work under Phase 4 of the measurement experiment is expected to begin this month. The flow meters, flanges, bolts, and job boxes were delivered by Technoflo during January to a secure site on Bacon Island. MWD conducted a pre-bid walkthrough on March 15th and recently selected the winning bid from Gornto Ditching. A site visit between MWD, MBK, and Gornto Ditching is expected to occur during this month to inspect the delivered equipment. The Phase 4 flow meter installations will begin shortly afterwards and are estimated to be completed before the end of 2022. MBK has conducted visits to the 25 proposed sites and will work with Gornto ditching to complete preparations at each site for the flow meter installations.

Prior to these installations, MBK worked with Bovee Environmental Management to test 4 of the proposed sites that were suspected to contain asbestos or a tar coating on the pipe exterior. The sites that tested positive for these hazardous materials were abated by W.C. Maloney during early 2022. A similar effort is expected to occur later this year to identify if any siphon without a flow meter (approximately 50 in total)

have asbestos or a tar coating on the pipe exterior. Any sites that test positive will undergo a similar abatement process prior to any flow meter installation.

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

5/16/2022

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	