

MEMORANDUM

October 7, 2020

TO: Reclamation District No. 2026

FROM: Nathan Hershey

SUBJECT: **October 2020 Engineer's Report**

Described below are the engineering items to be discussed at your October 7, 2020 meeting.

Subventions 2019-20 – The District submitted an application for participation in the Program in the amount of \$500,000. DWR has lowered the Program funding amount to \$10 million for FY 2019-20. We are working on compiling the District's claim. Final claims are due November 1.

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.

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 sent a draft to DWR for comment. DWR has extended the expiration date of the funding agreements to December 31, 2021.

SB 88 – Work under Phase 3 of the measurement experiment (Feb 2020 through Feb 2021) is underway, as outlined in the approved Request for Additional Time. Phase 3 efforts primarily involve installing 8 additional flange magnetic meters on the water side of the highest use siphons, with at least one flow meter on each island. MWD has obtained funding approvals for Phase 3, however is currently investigating flow meter issues prior to approving the new equipment quotes and setting up a bid process for installation. After the invoices are submitted, there is up to a 6-week lead time for new equipment to be delivered. To follow up on issues with the Ultra Mag meter at Bouldin Island Siphon No. 24, during September MBK continued discussions with McCrometer and also contacted Technoflo to discuss potential solutions for future installations as well as potential alternative flow meters. Technoflo identified that the water intrusion could have taken months to reach circuit boards in the unit, making it impossible to identify when the intrusion occurred. Due to the issues with the meter, the purchase of new equipment (which includes 4 Ultra Mags) is temporarily on hold until methods to prevent this issue from occurring in the future or changes to the warranty is determined. An additional meeting with Technoflo is scheduled in early October to discuss protective measures for future installations and the purchase of meters for all active siphons on each island. MBK is currently preparing a document to describe a plan and estimated costs for long term, strict compliance with the Measurement Requirements on the MWD islands. This document is intended to be provided to MWD in October for discussion purposes.

The next Delta Measurement Experiment Consortium meeting is on October 15, 2020, which includes presentations by the Delta Watermaster's office on Open ET and the development of a Delta-wide

Alternative Compliance Plan. MBK and MWD will continue to participate in the Consortium and provide feedback on the future development of the ACP.

Reclamation District No. 2026 Webb Tract
Issue Tracking Summary
10/2/2020

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	