

**MEMORANDUM**

August 18, 2021

**TO:** Reclamation District No. 2026

**FROM:** Nathan Hershey

**SUBJECT:** August 2021 Engineer's Report

Described below are the engineering items to be discussed at your August 18, 2021 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. The District submitted a claim in the amount of \$128,134.02 for the fiscal year.

**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. We will be working on compiling the District's claim in the coming months. Final claims must be submitted by November 1.

**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.

**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, 2021.

**Emergency Drought Barrier** – Due to extreme drought conditions, the State has opted to install the emergency drought barrier in False River to protect water quality in the central Delta, similar to what occurred in 2015. Construction is complete and removal may begin as early as September 15; however, no breach can occur until October 1. The barrier should be removed by November 1.

**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. The installation of telemetry equipment at each of these sites is also complete. MBK has visited the sites and certified that the installed flow meters have all been installed to manufacturer's specifications. MBK is still in the process of conducting comparison tests with the portable flow meter at these new sites.

During these site visits it was discovered that the equipment at Bouldin Island Siphon No. 27 had been stolen. In addition, MBK found that the flange bolts had to be tightened at two sites to prevent the siphon from losing prime. Lastly, the newly installed flow meter at Bacon Island Siphon No. 24 was generating questionable flow meter readings that MBK was unable to resolve during a site visit on 8/6/21. To complete the troubleshooting, the gate valve at the discharge of the siphon needs to be fixed to prevent leaking when fully shut to allow MBK to reprogram the flow meter.

MWD and the RDs are in compliance for calendar year 2021 under an approved extension of time. Current direction by MWD was to proceed with strict compliance. Therefore, MBK has provided cost estimates for flange magnetic meters installed on the water side of all active siphons and developed a draft plan for compliance, which was provided to staff and legal counsel on June 8th. The draft plan for compliance will be refined with specific plans for individual siphons as operational details and legal direction are confirmed.

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. The next Consortium meeting has not yet been scheduled.

# Reclamation District No. 2026 Webb Tract

## Issue Tracking Summary

8/13/2021

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	