

MEMORANDUM

January 18, 2023

TO: Reclamation District No. 2026

FROM: Nathan Hershey

SUBJECT: **January 2023 Engineer's Report**

Described below are the engineering items to be discussed at your January 18, 2023 meeting.

Subventions 2021-22 – The District submitted an application for participation in the Program in the amount of \$665,000. An additional \$2 million was approved by the Central Valley Flood Protection Board, for a total of \$12 million approved for the Program for FY 2021-22. A final claim was submitted in the amount of \$212,397.57.

Subventions 2022-23 – The District submitted an application for participation in the Program in the amount of \$665,000. \$12 million was approved by the Central Valley Flood Protection Board for the Program for FY 2022-23.

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

Five Year Plan – Work on the Five-Year Plan is complete. We have addressed DWR's comments and have submitted the final version of the Plan. We have also uploaded the final document to the RD's website.

SB 88 – Work under Phase 4 of the measurement experiment is complete. All phase 4 meters have been installed and have been certified by MBK Engineers. Data is now being collected at 38 sites across all four islands.

Of all 25 meters installed, only one (Holland Tract Siphon No. 1) was unable to be properly programmed and connected to the Wildeye telemetry system. MBK is still investigating this issue with the flow meter manufacturer (McCrometer).

Flow meters for the remaining siphons will be installed over the next two years. MBK is obtaining quotes for the equipment required at the approximately 50 remaining sites. In addition, MBK is identifying any sites that need to be tested for asbestos or tar coating. MBK and MWD will work with Bovee Environmental Management to test sites that are suspected to contain asbestos or a tar coating on the pipe exterior. Any sites that test positive for these hazardous materials will be abated by W.C. Maloney prior to any flow meter installation.

MWD and the RDs are in compliance for calendar year 2023 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. Place of use polygons for each island have been completed and will be used in conjunction with Open ET to report on diversions. MBK and MWD continue to participate in the Consortium.

Reclamation District No. 2026 Webb Tract

Issue Tracking Summary

1/16/2023

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	DaveForkel	Sta 378+00	Crack		Monitor	