

MEMORANDUM

June 14, 2023

TO: Reclamation District No. 2026

FROM: Nathan Hershey

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

Described below are the engineering items to be discussed at your June 14, 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.

Subventions 2023-24 – 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.

FEMA – MBK continues to coordinate with FEMA and is in the process of compiling documentation supporting the claim. Once all documentation has been provided, FEMA will submit the project to their management for review.

SB 88 – Data is being collected at 38 sites across all four MWD islands. MBK has obtained quotes for the equipment required at the 51 remaining sites. It is currently estimated that the purchase orders for this equipment will be placed sometime in July. These flow meters will be installed over the next two years due to the number of sites and levee projects that begin in 2023. An installation schedule has been developed that should not interfere with the levee projects based on their current schedules. In addition, MBK will supervise the levee work at sites with existing measurement equipment to ensure no damage occurs to these devices.

Prior to installation of flow meters, Bovee Environmental identified 3 sites on Bacon Island and 1 site on Bouldin Island that tested positive for hazardous materials on the exterior coating on the pipes. The hazardous materials in the pipe coating at these 4 sites were abated by W.C. Maloney. Measurement devices can now be installed in the abated areas.

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.

RD 2026 - Webb Tract

Issue Tracking Summary
June 12, 2023

Issue ID	Priority	Report Date	Reporter	Location	Issue Type	Description	Action	Field Notes
003	Medium	October 3, 2016 5:00 PM	Jaime Barajas	Station 614	Broken Equipment	Pump station platform pile appears to have buckled.	Repair	Dino to investigate and repair; Schedule TBD. See photos.
019	Medium	January 31, 2017 5:00 PM	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.
050	Low	July 20, 2017 5:00 PM	Russ Ryan	Station 180	Crack	Possible small crack between WS crown and AB splash berm	Monitor	
061	Medium	January 19, 2018 1:00 AM	Dave Forkel	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		June 10, 2019 12:00 AM						Seepage berm construction complete. RD forces placed 6,026 cy of material. Continue to monitor.
069		July 10, 2018 12:00 AM	AndrewReece	Station 408	Sloughing	Approx. 200ft of rip rap sloughing	Monitor	
105	Medium	December 10, 2020 11:31 AM	Dave Forkel	Sta 378+00	Crack	40 ft crack in center of levee	Monitor	
106	Medium	February 3, 2023 10:13 AM	Dave Forkel	Sta 445+00	Boil	Boil about halfway down slope, toe very wet. Sandbags installed.	Investigate	Sandbags