

MEMORANDUM

November 18, 2020

TO: Reclamation District No. 2026

FROM: Nathan Hershey

SUBJECT: November 2020 Engineer's Report

Described below are the engineering items to be discussed at your November 18, 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. The District submitted a final claim in the amount of \$128,134.02.

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.

Delta Stewardship Council – In October, the Delta Stewardship Council (DSC) staff provided interested stakeholders an overview of the risk analysis component of the Delta Levees Investment Strategy (DLIS). Updates to the DLIS risk analysis include the incorporation of new data (2017 DWR LiDAR, updated flood hydrology and updated water surface elevations). The DSC's goal is to improve how the fragility curves represent Delta levee conditions and failure modes. DSC staff provided a dashboard tool to review specific island/tract data and has requested feedback by the end of November. MBK is in the process of reviewing the materials provided by the DSC and intends to comment on behalf of our clients.

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 obtained updated equipment quotes on October 28th and is setting up a bid process for equipment installation. After the invoices are submitted, there is up to a 6-week lead time for some of the new equipment to be delivered. MWD is confirming the delivery location for equipment storage, prior to installation. As a result of the issues with the Ultra Mag meter at Bouldin Island Siphon No. 24, the updated equipment quotes include additional enclosures for the converter units at each Ultra Mag meter site, which is anticipated to prevent moisture intrusion into the units. The converter for Bouldin Island Siphon No. 24 has been replaced, and MBK plans to reinstall it with a new enclosure this month.

MBK prepared a document to describe a plan and estimated costs for long term, strict compliance with the Measurement Requirements on the MWD islands. The total estimated cost for initial compliance is

\$1,039,800, with estimated annual costs of \$195,540. This document was provided to MWD in October. Following discussions related to strict compliance, MBK prepared a list of other options for compliance, including an Alternative Compliance Plan (ACP). Current direction by MWD is to proceed with a combination of strict compliance and developing a MWD ACP. Regardless of the approach for compliance, MWD will need to submit a Request for Additional Time, prior to the expiration of the current one on December 31, 2020 for another year of time.

The Delta Measurement Experiment Consortium meeting occurred on October 15, 2020, which included a presentation by the Delta Watermaster on the development of the Delta-wide ACP, to utilize Open ET for measuring and reporting diversions. Further development of this ACP will be led by the Consortium. MBK and MWD will continue to participate in the Consortium and provide feedback on the future development of this ACP as needed.

Reclamation District No. 2026 Webb Tract

Issue Tracking Summary

11/15/2020

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	