

MEMORANDUM

December 11, 2019

TO: Reclamation District No. 2026

FROM: Nathan Hershey

SUBJECT: December 2019 Engineer's Report

Described below are the engineering items to be discussed at your December 11, 2019 meeting.

Subventions 2018-19 – The District submitted an application for participation in the Program in the amount of \$400,000. \$12 million has been approved for Program funding for FY 2018-19, consistent with recent previous years. The District's final claim was been submitted in the amount of \$209,466.23.

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.

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

Jersey Island Bridge – Bridge repairs are complete. The temporary weight restrictions have been lifted, and two-way traffic has been restored.

Five Year Plan – We have received a fully executed funding agreement for the Five-Year Plan (FYP). We have started work on the Plan update and have received an advance of funds in the amount of \$26,250.00.

DWR Emergency Response Grant Update – We are still waiting to see the final version of the Local Flood Safety Plan.

SB 88 – Work under Phase 2 of the measurement experiment (work plan for 2019) is progressing and coordination with the Delta Measurement Experimentation Consortium continues. A flow meter was installed on the water side of the levee on Bouldin Island Siphon No. 27. The flow measurement equipment at the other 11 test sites are currently operational. The contractor has repaired the installation hardware for water level sensing equipment at 3 of the test sites (installation hardware was damaged during irrigation operations). During the next site visit by MBK, the water level sensors will be re-installed and programmed. Water level equipment on the waterside of Bouldin Island Siphon No. 39 continues to experience data outages that the manufacturer (WQ Consultants) is trying to address.

2019 siphon logs have been received for the month of September, and collection of October and November logs is in progress.

Site visits to Holland Tract and Webb Tract occurred on 11/19 and 11/21 to conduct portable meter testing on all siphons used for summer irrigation and winter flooding. Testing was successful and data was collected at every siphon used by MWD on Holland Tract. Successful tests were conducted on approximately half of the siphons on Webb Tract. The remaining siphons on Webb Tract either were not accessible (buried, covered by vegetation) or had obstructions/debris in the pipes which prevented the portable flow meter signal from measuring the flow.

Review and analysis of the collected irrigation season meter data has begun. MBK is currently preparing an update to the 2018 Summary Report. Our goal is to provide the report update in draft form by the end of the year.

During the last Delta Consortium meeting, the Delta Watermaster requested that any Requests for Additional Time be submitted in mid-November if possible. Efforts to draft a Request for Additional Time on behalf of MWD are underway. MBK provided several options for compliance and a recommendation for MWD. We are awaiting direction from MWD management on how to proceed. Once selected, the compliance option will be summarized in the Request for Additional Time.

Reclamation District No. 2026 Webb Tract
Issue Tracking Summary
12/6/2019

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	