



December 12, 2019

To: Frances Mizuno, Assistant Executive Director

From: Paul Stearns, O&M Manager

Subject: O&M Report for November, 2019

Operations Department

The C.W. "Bill" Jones Pumping Plant (JPP) varied in pumping from one to four units for the month of November with an overall average pumping rate of 1,405 cfs. The varied pumping was due to the Fall X2 Delta salinity conditions, the State Water Project's (SWP) Banks Pumping Plant outage for repairs in the California Aqueduct, and a bathymetric survey performed at the Tracy Fish Collection Facility (TFCF). Pumping was increased to four units on December 2nd due to available water in the Delta.

Total pumping at the JPP for the month of November was 83,674 acre-feet. The O'Neill Pump/Generating Plant (OPP) pumped 27,182 acre-feet and generated 30,249 acre-feet. No water was conveyed through the Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI).

The Federal share in San Luis Reservoir on November 30th was 250,820 acre-feet as compared to 434,481 acre-feet on November 30th, 2018.

Releases from Friant Dam for the month of November ranged from 380 to 423 cfs and flows entering the Mendota Pool ranged from 118 to 163 cfs. Flows of 115 to 156 cfs were released passed Mendota Dam for the San Joaquin River Restoration Program (SJRRP).

During the month of November, Canal Operations staff members performed open channel and closed-pipe flow measurements, routine patrols, bi-weekly meter readings, well soundings, and meter maintenance.

Control Operations staff performed the following switching/clearance placements for the month of November:

- JPP Unit 3; Annual maintenance
- JPP Unit 5; Exciter brush replacement and machine slip rings

Civil Maintenance Department

The Civil Maintenance crews worked on the following projects for the month of November:

- Fill voids on top of DMC concrete liner
- Repaint DMC Check 16 block house
- Repairs to concrete liner at DMC milepost 6.17
- Assist with drive chain link removal on the TFCF debris conveyor
- Contractor installed new security alarm/cameras at LBFO
- Removed water hyacinth from DMC intake channel at Byron Highway
- Clean out DMC creek over-chutes
- Haul O'Neill Unit 4 pump casing components from machine shops to O'Neill
- Chemical and mechanical weed control
- Grading of San Luis Drain (SLD) operating roads
- Continued fabricating and installing guard rails on top of DMC meter wells per Cal-OSHA requirements
- Continued installing stairs and handrails to DMC turnout gates and meters
- Maintenance and repairs to float lines, signs, fences, and gates

Plant Maintenance Department

Electrical/C&I/SCADA Staff:

- Continued with lower DMC Programmable Logic Controller (PLC) upgrade replacement
- Continued Tracy 13.8kV switchgear relay testing and setting verifications
- Replaced exciter brushes on Jones Unit 5
- Continued update DCI SCADA cabinet for PLC expansion
- Continued programming of O'Neill Unit 4 alarm annunciator
- DMC Checks PM's
- Rebuild Tracy Water Treatment Plant filter pump motor
- Begin annual maintenance on Jones Unit 3
- Rebuild O'Neill oil room exhaust fan motor
- Relocate floor outlet in LBAO board room
- Replace faulty vacuum transducers on O'Neill siphon system
- Troubleshoot power outage at LBFO; blown fuses on PG&E incoming line

Mechanical Staff:

- O'Neill Unit 4 main unit and penstock rehabilitation: Coating contractor on site for blasting and coating of penstock and embedded suction elbow, JPP Machine Shop continued rehabilitation of bearing carriers, O'Neill mechanics making weld repairs to discharge bowl.
- Jones Unit 2 rewind: Stator frame boring machine set up, made cuts, and removed; rotor poles removed and shipped to Brownsville, Texas; stator frame cleaned and began drilling for vertical dowels; began installation of stator key bars
- Jones Unit 3 annual maintenance
- Repaired and machined O'Neill Unit 1 actuator rod
- Machined grooves from Jones Unit 5 slip rings
- Replaced Tracy Water Treatment Plant flush valves
- Replaced packing on Jones domestic water pump #1

All crews attended the November Quarterly Safety Meeting

Engineering and Planning Department

The Engineering & Planning Department staff worked on the following projects this month: Rehabilitate OPP unit 4 penstock and pump assembly projects, JPP unit 2 rewind project, OPP unit 1 actuator rod repair procedure, JPP air wash system replacement, DMC subsidence mitigation project, and website management activities. Planning support was provided for civil, mechanical & electrical maintenance activities.

A Quarterly Safety Meeting was held this month. The topic was Defensive Driving.

Land Management Activity Summary:

Access permit P2002022 issued to Del Puerto Water District was amended to extend the original expiration date. The permit is to repair the existing underground pipeline located at DMC MP47.37R.

Provided comments regarding Del Puerto Canyon Reservoir intake/discharge structure on Reclamation ROW. Provided information to Caltrans for the rehabilitation of piers on the I-5 crossing over Volta Wasteway. Provided additional information to engineering firm Wood Rodgers regarding DMC area adjacent to the Crows Landing Business Park. Continued working with FCWD regarding meter replacement at MP109.45-R.

HR Department

General Administrative Activities:

- Recruitment:
 - Maintenance worker: skill test December 4th. Heavy equipment operator: reposted as open until filled, first review December 13th; Inventory control clerk: skill test/interviews scheduled December 17th.
 - Internal recruitments for apprenticeships resulted in the selection of maintenance worker Christian Paradiso to apprentice control operator, and heavy equipment operator Chris Cunningham to apprentice plant mechanic
- Employee handbook rollout: adding new DOT national database reporting policy language for commercial drivers' license holders; anticipate distribution prior to year end
- Quarterly Safety Meeting preparation, minutes for Safety and QIC committees
- On-going Sexual Harassment Training scheduling for all staff
- HR staff training: Central Valley HR Management: upcoming 2020 HR laws/OSHA potential upcoming workplace violence prevention training requirements (Stiles, Harris), JPIA: Workers' Comp and Return to Work program training (Stiles, Harris), first meeting of Leadership Program (Stiles).
- Property Claims Management: coordinate adjuster/repairs/billing; administering Open Enrollment changes
- Monitoring retrieval of 2019/2020 policy & renewal documents on Workers' Comp, Liability, Property, & Employee Fidelity/Excess Crime

Government Reporting:

- Continued coordination with consultant on finalizing GreatPlains reporting mechanisms to move these reports from an Access database to the GP HR module.
- Affirmative Action Plan: ongoing transfer of data from Littler to Biddle Consultants

- Research of website accessibility for ADA compliance

Ongoing:

- FMLA notices/follow ups
- COBRA notices/follow ups
- Monthly Safety Scratcher distribution
- Health benefits eligibility/employee assistance
- Maintain OSHA logs for 2019 calendar year
- Wellness program

Safety Department

Support O'Neill Unit 4 penstock rehab, support JPP Unit 2 rewind, investigating problem with carbon brush wear on JPP units, JPP Excitation and Control project, JHA reviews, and routine safety related work.

An employee of the contractor performing the penstock rehab work at O'Neill was injured while checking the oil on a piece of portable equipment. The employee was climbing off the equipment when his ring got caught on an exposed wing nut. The injury to the finger was so severe that medical personnel were unable to reattach the finger. No Authority equipment or personnel were involved in this incident.

EXTRAORDINARY O&M & CAPITAL PROJECTS

DELTA-MENDOTA CANAL (DMC)

DMC O&M Road Maintenance Program – Phase 8 & 9 (MP 39.21 to 62.09) (1900478)

Status: Project complete.

DMC O&M Road Repair – (MP 102.04 to 110.85) (1900469)

Status: Project complete.

DMC Subsidence Mitigation

Status: SLDMWA provided USBR with the project descriptions for the various phases of the project for use in preparing the NEPA documents. USBR continued with the development of the HEC-RAS model. A USBR contractor performed a LiDAR survey of the entire DMC in mid-October. The contractor will provide the survey data to USBR in Mid-December. A tour of DMC with USBR Denver Office engineers was performed on December 3rd & 4th.

C.W. "BILL" JONES PUMPING PLANT (JPP)

JPP Excitation Cabinet & Control Panel Refurbishment (1800333) FY2018 Project

Status: USBR Denver Office engineering staff continues to work on the design of the static system that was selected last month.

JPP Unit No. 2 Rewind

Status: JPP Unit No. 2 rewind work is ongoing and on schedule. NEC finalized the drilling and installation of eight new dowels. New laminations have arrived at the jobsite and NEC has begun installing the laminations.

JPP/OPP/DCI Fire Protection Systems Assessment

Status: No activity this month.

O'NEILL PUMPING/GENERATING PLANT (OPP)

Design New Access Opening near Pump Bowl (1800332) FY2018 Project

Status: No activity this month. USBR has stated that a response to our request for review be provided to us by December 7, 2019.

Rehabilitate Pump Assemblies Unit No. 4 (1900462)

Status: Shaft straightness checks has been completed and shafts will be transported back to OPP. Due to delay associated with changing vendors for the shaft straightness check, the project has been delayed by 4 weeks and the estimated completion date has been changed to February 7th, 2020. F.D. Thomas completed coatings of the pump pieces, with the exception of the shafts. Spot repairs still need to be completed, and contractor is waiting for rain to clear before opening up the enclosure on the slab. Construction of scaffold system in embedded elbow began late November. All pump parts are on schedule to be completed by December 20th.

Rehabilitate Penstock Interiors - Unit No. 4 (1800461)

Status: F.D. Thomas completed removal of penstock coating using water jetting and are currently inspection blasting the penstock. They expect to be finished with the

EXTRAORDINARY O&M & CAPITAL PROJECTS

inspection blasting the first week of December, then they will begin the two-week downtime for Water Authority staff to make pipe repairs and install conduit anchors. One of the contractor's crew members had an accident that resulted in the loss of a digit. It was reported to OSHA, and may result in a site visit from them.

Main Transformers Condition Assessment

Status: Two old Type "U" bushings were requested for disposal with Parc Environmental. The third bushing will be drained and used as display in Tracy Control Building. The quarterly oil tests that were recommended by USBR will be performed in December 2019.

LOS BANOS FIELD OFFICE (LBFO)

LBFO Parking Lot Seal Coat and Striping (1900480)

Status: Project complete.

TRACY FACILITIES (TFO)

TFO Domestic Water Treatment Plant Replacement (2000158)

Status: No activity this month.



**San Luis & Delta-Mendota Water Authority
OPERATIONS SUMMARY**

NOTE: ALL FIGURES ARE IN ACRE FEET

	October-2019	October-2018
JONES PUMPING PLANT - PUMPED	88,253	250,116
DCI PLANT - PUMPED	719	22,278
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	6,548	115,636
O'NEILL P/G PLANT - GENERATED	46,539	0
DMC DELIVERIES	47,193	36,114
RIVER/WELL/RECYCLE WATER INTO DMC	3,177	6,491
MENDOTA POOL DELIVERIES	74,873	74,610
SHASTA RESERVOIR STORAGE	3,271,000	2,191,000
SAN LUIS RESERVOIR STORAGE	946,309	1,218,285
* FEDERAL SHARE	331,862	433,983

	October-2019	October-2018
SAN LUIS UNIT DELIVERIES	7,808	8,173
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	4,702	13,657

Jones Pumping Plant monthly average = 1,435 cfs



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
October 2019**

To: Adam Hoffman; Erma Leal; Gabe Mora; Katrina Buelna; Liz Kiteck; Mark Rhodes; Marta Rivas; Melody Hernandez; Sheryl Carter; Sonya Nechanicky; Stacey Smith; Tim Blair; Tom Boardman; Joyce Machado; Wes Harrison

From: Chauncey Lee, Water Operations Superintendent, 530-228-4504 (cell)

Date: 11/22/19

Revision Date: 12/2/19

District/Other	Total Available Water into System (INCOMING) (Acre Feet)	AG/Refuge Deliveries (Acre Feet)	M & I Deliveries (Acre Feet)	Total Deliveries (OUTGOING) (Acre Feet)
Total Pumped @ Jones Pumping Plant	88,253			
Total Pumped @ DCI	(719)			
Total Reversed @ DCI	0			
City of Tracy		0	431	431
Byron Bethany I.D.		277	110	387
West Side I.D.		0	0	0
Banta Carbona I.D.		1,542	0	1,542
West Stanislaus I.D.		0	0	0
Patterson I.D.		0	0	0
Del Puerto W.D.		4,860	1	4,861
Central California I.D. - above check #13		772	0	772
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Game)		1,644	0	1,644
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		15,435	0	15,435
Total Pumped @ O'Neill PP	(6,548)			
Total Generated @ O'Neill PP	46,539			
Central California I.D. - below check #13		241	0	241
Grasslands W.D. (76.05-L)		15,764	0	15,764
Fish & Game Los Banos Refuge (76.05-L)		1,932	0	1,932
Fish & Wildlife Kesterson (76.05-L)		1,149	0	1,149
Freitas Unit (76.05-L)		989	0	989
Salt Slough Unit (76.05-L)		826	0	826
China Island (76.05-L)		2	0	2
San Luis W.D. - below check #13		441	0	441
Panoche W.D.		440	2	442
Eagle Field W.D.		62	0	62
Oro Loma W.D.		0	0	0
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		273	0	273
River and Groundwater well pump-in	2,109			
North Valley Regional Recycled Water Program	1,068			
Change in Canal Storage	319			
Wasteway Flushing and Spill	(45)			
Total Available in Delta-Mendota Canal	130,976			
TOTAL DELIVERY FROM DELTA-MENDOTA CANAL	(47,193)	46,649	544	47,193
Theoretical DMC Delivery to Mendota Pool	83,783			
Total Estimated DMC Delivery to MP (determined at Check 20)	78,893			
Estimated (Loss) or Gain in DMC	(4,890)			
Estimated % Loss or Gain in DMC	-3.62%			



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
October 2019**

<u>District/Other</u>	Total Available Water into System (INCOMING) (Acre Feet)	AG/Refuge Deliveries (Acre Feet)	M & I Deliveries (Acre Feet)	Total Deliveries (OUTGOING) (Acre Feet)
Estimated DMC Inflow to MP	78,893			
Mendota Pool Groundwater Well Pump-In	917			
(+)SJRR Releases into Mendota Pool	7,093			
(+)Kings River Flood Releases into the Mendota Pool	0			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		16,341	0	16,341
Columbia Canal Company (CCC)		8,302	0	8,302
Firebaugh Canal Water District (FCWD)		1,212	0	1,212
San Luis Canal Company (SLCC)		3,147	0	3,147
<u>Refuge:</u>				
Conveyance Losses		4,784	0	4,784
Calif Dept of F/G-LB Unit (CCID)		1,510	0	1,510
Calif Dept of F/G-LB Unit (SLCC)		1,756	0	1,756
Calif Dept of F/G-Salt Slough Unit (CCID)		646	0	646
Calif Dept of F/G-China Island Unit (CCID)		2	0	2
US Fish & Wildlife-San Luis Refuge (SLCC)		5,187	0	5,187
US Fish & Wildlife-Freitas (CCID)		774	0	774
US Fish & Wildlife-Kesterson (CCID)		898	0	898
Grasslands WD (CCID)		8,342	0	8,342
Grasslands WD (SLCC)		2,079	0	2,079
Grasslands (Private)		3,982	0	3,982
San Luis WD Conveyance (CCID)		10	0	10
Del Puerto WD Conveyance (CCID)		0	0	0
<u>San Joaquin River Restoration:</u>				
SJRR		6,803	0	6,803
<i>Other: (see MP Operations Report)</i>		7,649	0	7,649
<i>Total Available Water in Mendota Pool</i>	86,903			
TOTAL DELIVERY FROM MENDOTA POOL	(73,424)	73,424	0	73,424
*Estimated (Loss) or Gain in Mendota Pool	(13,479)			
*Estimated % Loss or Gain in Mendota Pool	-15.51%			
Total System Delivery	(120,617)			
*Total Estimated System (Loss) or Gain	(18,369)			
*Total Estimated % System Loss or Gain	-12.65%			

Special Notes: Additional water delivered into the Mendota Pool to assist with keeping the elevation up for refuge fill up.



Jones Pumping Plant
October - 2019

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	5	CONTINUOUSLY	4291
2	5 to 4	0001	3463
3	4	CONTINUOUSLY	3464
4	4	CONTINUOUSLY	3496
5	4	CONTINUOUSLY	3501
6	4 to 2	0001	1840
7	2	CONTINUOUSLY	1881
8	2	CONTINUOUSLY	1875
9	2 to 1	0001	982
10	1	CONTINUOUSLY	981
11	1	CONTINUOUSLY	981
12	1	CONTINUOUSLY	983
13	1	CONTINUOUSLY	985
14	1	CONTINUOUSLY	985
15	1	CONTINUOUSLY	985
16	1	CONTINUOUSLY	987
17	1	CONTINUOUSLY	989
18	1	CONTINUOUSLY	955
19	1	CONTINUOUSLY	928
20	1	CONTINUOUSLY	929
21	1	CONTINUOUSLY	927
22	1	CONTINUOUSLY	805
23	1	CONTINUOUSLY	806
24	1	CONTINUOUSLY	806
25	1	CONTINUOUSLY	807
26	1	CONTINUOUSLY	810
27	1	CONTINUOUSLY	816
28	1	CONTINUOUSLY	809
29	1	CONTINUOUSLY	813
30	1	CONTINUOUSLY	808
31	1	CONTINUOUSLY	807
AVG CFS for the month			1435



NON-PROJECT WATER CREDITS REPORT
 (ALL FIGURES IN ACRE FEET)
 October 2019 WA Credits

To: Adam Hoffman; Adam Scheuber; Anthea Hansen; Kelley Geyer; Bobby Pierce; Brandon Kelley; Chris Eacock; David Weisenberger; Erma Leal; Frances Mizuno; Gabe Mora; Ian Uecker; Janet Gutierrez; Jarrett Martin; Jason Dean; Jeff Bryant; Juan Cadena; Katrina Buena; Lon Martin; Lydia Sosa; Margaret Howe; Margie Lowe; Mark Rhodes; Marta Rivas; Melody Hernandez; Reza Shahcheraghi; Rick Gilmore; Sandra Reyes; Sheryl Carter; Siqing Liu; Stacey Smith; Wes Harrison

From : Chauncey Lee, Water Operations Superintendent, 530-228-4504 (cell)

Date: 11/22/19

CREDITS UNDER WARREN ACT CONTRACTS									
Turnout	Start Meter Reading	End Meter Reading	Factor	Adjust	District	Total	Less 5%	Month	Year
3.32-R1	0	0	1	0	BBID	0	0	0	0
3.32-R2	0	0	1	0	BBID	0	0	0	0
3.32-R3	130	130	1	0	BBID	0	0	0	0
13.31-L	4,804	4,804	1	0	BBID	0	0	0	0
14.26-R	5,217	5,217	1	0	BBID	0	0	0	0
15.11-R	1,604	1,604	1	0	BBID	0	0	0	0
20.42-L	18,477,617	18,477,617	1	0	BCID	0	0	0	9,500
20.42-L	18,477,617	18,477,617	1	0	USB/FWA	0	0	0	0
21.12-L	990	990	1.01	0	DPWD	0	0	0	0
21.86-L	769	769	1	0	DPWD	0	0	0	0
24.38-L	1,763	1,763	1.04	0	DPWD	0	0	0	0
29.95-R	944	944	0.87	0	DPWD	0	0	0	0
30.43-L	7,422	7,422	1	0	DPWD	0	0	0	0
30.43-R	2,123	2,123	0.92	0	DPWD	0	0	0	0
30.95-L	1,915	1,915	1.03	0	DPWD	0	0	0	0
31.31-L1	46,798	46,798	1	0	WSTAN	0	0	0	0
31.31-L2	46,798	46,798	1	0	DPWD	0	0	0	0
31.31-L3	46,798	46,798	1	0	PID	0	0	0	0
31.60-L	8,182	8,182	0.93	0	DPWD	0	0	0	0
32.35-L	1,793	1,793	0.86	0	DPWD	0	0	0	0
33.71-L	748	748	0.94	0	DPWD	0	0	0	0
36.80-L	1,843	1,843	1	0	DPWD	0	0	0	0
37.10-L	3,294	3,294	0.94	0	DPWD	0	0	0	0
37.32-L	2,653	2,653	0.91	0	DPWD	0	0	0	0
42.50-R	1,034	1,034	0.96	0	DPWD	0	0	0	0
42.53-L	4,620,793	4,712,661	1	0	PID	0	0	0	1,200
42.53-L	4,620,793	4,712,661	1	0	DPWD	0	0	0	0
42.53-L	4,620,793	4,712,661	1	0	USB/FWA	2,109	0	2,109	4,977
43.22-L	55	55	1	0	DPWD	0	0	0	0
48.97-L	870	870	0.95	0	SLWD	0	0	0	0
50.46-L	4,108	4,108	1.07	0	DPWD	0	0	0	0
51.00-R	296	296	0.89	0	DPWD	0	0	0	0
51.66-L	337	337	0.98	0	DPWD	0	0	0	0
52.40-L	1,331	1,331	0.94	0	DPWD	0	0	0	0
58.28-L	1,177	1,177	1.02	0	SLWD	0	0	0	0
58.60-L	917	917	0.96	0	DPWD	0	0	0	0
58.73-R	306	306	1	0	DPWD	0	0	0	0
64.85-L	1,662	1,662	0.72	0	DPWD	0	0	0	0
UPPER DMC SUB TOTAL								2,109	15,677



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

October 2019 WA Credits

CREDITS UNDER WARREN ACT CONTRACTS									
Turnout	Start Meter Reading	End Meter Reading	Factor	Adjust	District	Total	Less 5%	Month	Year
78.31-L	4,469	4,469	1.08	0	SLWD	0	0	0	0
79.12-R	1,805	1,805	0.91	0	SLWD	0	0	0	0
79.13-L	2,286	2,286	1	0	SLWD	0	0	0	0
79.13-R	4,415	4,415	1.08	0	SLWD	0	0	0	0
79.60-L	8,582	8,582	0.84	0	SLWD	0	0	0	0
80.03-L	060	060	0.94	0	SLWD	0	0	0	0
80.03-R	638	638	1.05	0	SLWD	0	0	0	0
98.60-R	10,791	10,791	1	0	PANOCH/MS	0	0	0	0
98.74-L	5,695	5,695	1.14	0	PANOCH/MS	0	0	0	0
99.24-L	10,493	10,493	0.92	0	PANOCH/MS	0	0	0	0
100.70-L	6,211	6,211	1	0	PANOCH/MS	0	0	0	0
102.04-R	1,000	1,000	1	0	WIDREN WD	0	0	0	0
LOWER DMC SUB TOTAL								0	0
WARREN ACT CONTRACT CREDIT TOTAL								2,109	15,677
TOTAL GROSS PUMP-IN								CREDIT	
TOTAL (BYRON BETHANY IRRIGATION DISTRICT)						0	0	0	0
TOTAL (BANTA CARBONA IRRIGATION DISTRICT)						0	0	0	0
TOTAL (DEL PUERTO WATER DISTRICT)						0	0	0	0
TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)						0	0	0	0
TOTAL (PATTERSON IRRIGATION DISTRICT)						0	0	1,200	0
TOTAL (SAN LUIS WATER DISTRICT)						0	0	0	0
TOTAL (PANOCH/MS WATER DISTRICT)						0	0	0	0
TOTAL (MERCY SPRINGS WATER DISTRICT)						0	0	0	0
TOTAL (WIDREN WATER DISTRICT)						0	0	0	0
TOTAL (FIREBAUGH WATER DISTRICT)						0	0	0	0
Other Warren Act Conveyance Credit Totals									
Del Puerto Water District:						0	0	0	0
Banta Carbona Irrigation District:						0	0	9,500	0
West Stanislaus Irrigation District:						0	0	0	0
Byron Bethany Irrigation District:						0	0	0	0
Patterson Irrigation District:						0	0	0	0
San Joaquin River Restoration Pump Back BCID:						0	0	0	0
San Joaquin River Restoration Pump Back PID:						2,109	2,109	4,977	0

Notes: 3.32-R, 20.42-L, 31.31-L and 42.53-L are River water



MENDOTA POOL OPERATIONS
2019
 ALL FIGURES IN ACRE-FEET

To: Adam Hoffman; Bill Pipes; Cheryl Lassotovitch; Danny Wade; Donna Hanneman; Emily Thomas; Erma Leal; Steve Brueggemann; Gabe Mora; Hallie Rajkovich; Janet Gutierrez; Jason Dean; Jason Smith; Jeff Gallmann; Joy Kelley; Katarina Buelna; Linda Colella; Liz Kiteck; Margie Lowe; Mark Rhodes; Marta Rivas; Melody Hernandez; Rebecca Heilman; Rick Yribarren; Sonya Nechanicky; Stacey Smith; Steven Stadler; Ted Baker; Tom Boardman; Joyce Machado; Wes Harrison; William Halligan

Prepared by: Chauncey Lee, Water Operations Superintendent, 530-228-4504 (cell)

Date: 11/22/19

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FCWD	0	0	0	0	0	0	0	0	0	0			0
CCID	0	0	0	0	0	0	0	0	0	0			0
FRESNO SLOUGH	69	222	219	224	181	282	278	76	27	0			1,578
TPUD	0	0	24	0	0	15	25	25	0	0			89
JAMES I.D.	0	1,105	0	5,666	5,083	3,045	7,307	10,989	3,138	342			36,675
MEYERS	777	1,280	812	1,073	889	897	543	218	70	46			6,605
M.L. DUDLEY & INDART 1	11	26	79	172	170	426	828	423	233	216			2,584
MID VALLEY* (Kings River)	0	0	0	0	369	952	0	0	0	0			1,321
REC. DIST. 1606	0	0	0	62	0	0	0	0	0	0			62
STATE FISH & WILDLIFE	1,498	804	549	400	682	512	1,535	1,752	3,068	3,857			14,657
TRACTION	743	356	494	425	609	581	996	1,111	1,080	1,294			7,689
UNMETERED	55	10	50	50	150	190	200	140	550	150			1,545
Total	2,296	1,170	1,093	875	1,441	1,283	2,731	3,003	4,698	5,301	0	0	23,891
COELHO FAMILY TRUST 2	33	79	348	699	629	1,128	1,340	608	438	426			5,728
TRANQUILITY I.D.	293	1,885	1,415	2,257	2,558	4,862	5,660	3,626	1,597	1,286			25,439
WESTLANDS LATERAL-6	0	0	0	192	46	189	0	0	0	0			427
WESTLANDS LATERAL-7	0	0	0	387	1,273	3,790	0	0	0	0			5,450
CARVALHO TRUST	9	9	36	94	102	144	95	32	29	32			582
TOTAL	3,488	5,776	4,026	11,701	12,741	17,013	18,807	19,000	10,230	7,649	0	0	110,431

NUMBERS SHOWN IN **BOLD** WERE REVISED AFTER DISTRIBUTION OF REPORT

1 aka COELHO-GARDNER-HANSEN 2 aka TERRA LINDA FARMS

Article 215 Water

Jan-19	_____
Feb-19	_____
Mar-19	Meyers WD 812 AF
Apr-19	_____
May-19	_____
Jun-19	_____
Jul-19	_____
Aug-19	_____
Sep-19	_____
Oct-19	_____
Nov-19	_____
Dec-19	_____

Kings River Water

Jan-19	_____
Feb-19	_____
Mar-19	TID 1073 AF
Apr-19	TID 1261 AF
May-19	JID 1298 AF, WWD 1319 AF, Meyers 2422 AF MVWD 369 AF, TID 2558 AF, CGH 25 AF, TL 38 AF
Jun-19	JID 3045 AF, WWD 979 AF, Meyers 886 AF MVWD 952 AF, TID 3756 AF, CGH 319 AF, TL 799 AF
Jul-19	_____
Aug-19	_____
Sep-19	_____
Oct-19	_____
Nov-19	_____
Dec-19	_____

Duck Clubs (Percent Full)

BECK	120	PATOS	COLE	TRANQUILITY	1 ACRE
0%	0%	100%	0%	100%	100%

Jan, 2019
 DMC Inflow 19,736 AF
 James Bypass Flows 0 AF

Feb, 2019
 DMC Inflow 28,126 AF
 James Bypass Flows 0 AF

Mar, 2019
 DMC Inflow 22,485 AF
 James Bypass Flows 179 AF

Apr, 2019
 DMC Inflow 51,491 AF
 James Bypass Flows 438 AF

May, 2019
 DMC Inflow 48,745 AF
 James Bypass Flows 44,458 AF

June, 2019
 DMC Inflow 24,595 AF
 James Bypass Flows 89,240 AF

July, 2019
 DMC Inflow 112,706 AF
 James Bypass Flows 363 AF

Aug, 2019
 DMC Inflow 123,237 AF
 James Bypass Flows 0 AF

Sept, 2019
 DMC Inflow 90,497 AF
 James Bypass Flows 0 AF

Oct, 2019
 DMC Inflow 78,893 AF
 James Bypass Flows 0 AF

Nov, 2019
 DMC Inflow AF
 James Bypass Flows AF

Dec, 2019
 DMC Inflow AF
 James Bypass Flows AF

**TABLE 19: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT
SAN LUIS FIELD DIVISION MONTHLY DELIVERIES**

Revised 11/18/19

OCTOBER 2019

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 4702			Parks & Rec. @ San Luis Reservoir	0
			Santa Clara Valley Water District	2613
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	2089
R3 450	13		DFG @ O'Neill Forebay	0
	13		Parks & Rec. @ O'Neill Forebay	0
	13		DWR Water Truck at O'Neill 0 AF for Cattle Program @ O'Neill Forebay	0
	13		San Luis Water District	450
R4 12574	14		City of Dos Palos	138
	14		Pacheco Water District	681
	14		San Luis Water District	3720
	14		Panoche Water District	54
	15		San Luis Water District	1482
	15		Panoche Water District	1376
R5 33735	15		Westlands Water District	5123
	16		DFG @ Lat. 4L (Pilibos)	0
	16		DFG @ Lat. 4L	0
	16		DFG @ Lat. 6L	0
	16		DFG @ Lat. 7L	0
	16		Westlands Water District	10008
	17		Westlands Water District	8702
	18		City of Coalinga	685
R6 8384	18		Pleasant Valley Pumping Plant	7548
	18		Westlands Water District	6792
	19		Alta Gas	1
	19		City of Huron (P&R-Area 11) @ Lat. 22R	5
	19		DWR Water Truck @ 22R/F&G @ Lat.22R	0
	19		Lemoore N.A.S. thru WWD 29L & 30L	268
9026	19		Kings County thru WWD 30L	0
	19		Westlands Water District	8110
	20		City of Huron @ Lat. 23R	77
	20		Kings County thru WWD 31L,32L,33L,34L,35L,36L	0
	20		Westlands Water District	6023
	21		City of Avenal	215
68871	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	2711
68871	0		<---TOTALS---	68871
TOTALS BY CUSTOMERS				
			Pacheco Water District	681
			San Luis Water District	5652
			Panoche Water District	1430
			Westlands Water District	55017
			AltaGas	1
			City of Huron @ LAT. 23R	77
			City of Huron (P&R/Area 11 @ 22R)	5
			Lemoore N.A.S. thru WWD @ 29L & 30L	268
			Kings County thru WWD Laterals in Pools 19 - 21	0
			City of Avenal	215
			City of Dos Palos	138
			City of Coalinga	685
			DFG @ O'Neill Forebay	0
			Pacheco Tunnel	4702
			DFG @ Lateral 4L & 6L & 7L	0
			DWR Water Truck @ 22R/F&G @ Lat.22R	0
			Parks & Recreation	0
			0 AF for DWR Water Truck at O'Neill, 0 AF for Cattle Program @ O'Neill Reservoir	0
			Customers Total:	68871
Pool 12 - Reach 2B				
VA Turnout Use AF =	44			
DWR 3137(Rev.9/15)				68915



Monthly Availability Report

CW "Bill" Jones Pumping Plant

October - 2019

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	744	7.8	1.05%	0.0	0.00%	98.95%	0	1) Commutator Brush Replacement
Unit-2	744	744.0	100.00%	0.0	0.00%	0.00%	0	2) Stator Rewind
Unit-3	744	8.0	1.08%	0.0	0.00%	98.92%	1	1) Commutator Brush Replacement
Unit-4	744	0.0	0.00%	0.0	0.00%	100.00%	2	
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-6	744	16.7	2.24%	0.0	0.00%	97.76%	0	1) Commutator Brush Replacement/Failed RTD
Total	4464	776.5	17%	0.0	0.00%	83.00%	4	

Notes:

(1) Planned maintenance

(2) Emergency outages and maintenance performed with less than 24 hours advance notice



Monthly Availability Report

O'Neill Pump/Generating Plant
October - 2019

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	744	0.0	0.00%	0.0	0.00%	100.00%	0	2	
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	0	2	
Unit-3	744	0.0	0.00%	0.0	0.00%	100.00%	0	1	
Unit-4	744	744.0	100.00%	0.0	0.00%	0.00%	0	0	1)Pump/Penstock Rehab
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	1	2	
Unit-6	744	0.0	0.00%	4.5	0.60%	99.40%	0	4	2)Loss of Vacuum
Total	4464	744.0	17%	4.5	0.10%	82.90%	1	11	

Notes:

(1) Planned maintenance

(2) Emergency outages and maintenance performed with less than 24 hours advance notice



Monthly Availability Report

DCI Pumping Plant
October - 2019

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	744	71.7	9.64%	0.0	0.00%	90.36%	0	1) Unit Electrical PM's
Unit-2	744	71.7	9.64%	0.0	0.00%	90.36%	1	1) Unit Electrical PM's
Unit-5	744	71.7	9.64%	0.0	0.00%	90.36%	1	1) Unit Electrical PM's
Unit-6	744	71.7	9.64%	0.0	0.00%	90.36%	1	1) Unit Electrical PM's
Total	2976	286.8	10%	0.0	0.00%	90.00%	3	

Notes:

(1) Planned maintenance

(2) Emergency outages and maintenance performed with less than 24 hours advance notice