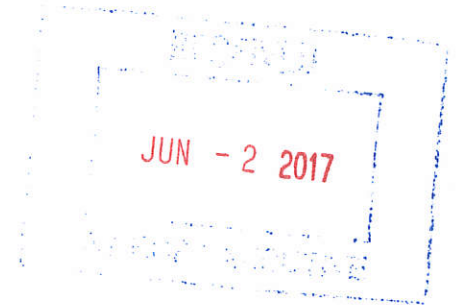


DWR
AK**DEPARTMENT OF WATER RESOURCES**1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791**Date:** May 31, 2017**To:** Thomas Howard, Executive Director
State Water Resources Control Board
1001 I Street
Sacramento, California 95814Francis Chung, Chief
Bay-Delta Office**From:** Department of Water Resources**Subject:** Quarterly Status Report, May 2017, State Water Resources Control Board Order
WR 2010-0002

Pursuant to Condition 11 of State Water Resources Control Board (Board) Order WR 2010-0002 (Order), the Department of Water Resources (DWR), in coordination with the U.S. Bureau of Reclamation (Reclamation), is submitting this report to apprise the Board of the activities undertaken to comply with the conditions listed in paragraphs 2, 3, 4, 5, 6, 7, and 8 of the Order's Part A.

Condition A.2 – DWR and Reclamation have continued working on the response to the Board Notice for Submission of Interior Southern Delta Salinity Objectives Compliance Plan and Schedule letter, dated December 20, 2016. The response is planned for submittal on or before June 19, 2017.

Condition A.3 – DWR has no new information to report this quarter regarding the June 25, 2010 work plan to improve the accuracy of the delta models in the south Delta. We are awaiting direction from the Board on whether or not to proceed with the work plan as proposed.

DWR has continued to work on improving estimates of Delta channel depletions, a key component for evaluating circulation and water quality in the south Delta. The estimates of crop evapotranspiration are being refined through better accounting of subsurface water sources.

Condition A.4 – DWR and Reclamation continue to implement activities described in the Compliance Plan for Station C-6 (Plan). These activities include monitoring within the south Delta, reviewing prior data and analyses, modeling and developing salt balances, working with wetland managers to improve wetland discharges, and continuing to support and facilitate real-time water quality monitoring programs. In addition, the Plan includes a section entitled *San Joaquin Salinity Management Plan*, describing programs and activities to control the volume and concentrations of saline discharges to the San Joaquin River upstream of Vernalis.

As reported in the February 2017 Quarterly Status Report, the second annual Management Agency Agreement (MAA) report between the Central Valley Regional Water Quality Control Board and Reclamation was submitted in January 2017. The report provides a synopsis of various activities performed in 2016 by Reclamation, including providing flows to the system, salt load reductions, and mitigation. The next annual MAA report is planned for submittal in January 2018 and will provide a synopsis of 2017 activities. Fiscal Year 2017 conservation funding will be awarded in May or June 2017.

Condition A.5 – The 2017 South Delta Temporary Barriers Project is being delayed due to high San Joaquin River flows, and there is a possibility that no barriers will be installed this year. The spring Head of Old River barrier was not installed in 2017 due to high flows. The agricultural barriers installation will only proceed if simulated or actual water levels affect South Delta Water Agency members' ability to divert. DWR is coordinating closely with Reclamation on projected San Joaquin River flows, and hydrodynamic modeling based on best available hydrology and water project exports is being conducted to forecast any potential water level concerns. DWR is coordinating with South Delta Water Agency and local stakeholders to monitor flow and water level conditions within south Delta, and will meet to discuss the results of hydrodynamic modeling. DWR will continue water quality monitoring as well as equipment and rock stockpile maintenance activities outside of the waterways even in the absence of installed agricultural barriers. If the agricultural barriers are needed before the next quarterly report update, DWR will notify the Board via email.

Condition A.6 – Reclamation has no new information to report this quarter regarding the *Delta-Mendota Canal Recirculation Plan Formulation Report*, which remains available for download and review at <http://www.usbr.gov/mp/dmcrecirc/docs/final/index.html>. The related *Delta-Mendota Canal Recirculation Project Feasibility Study* also remains available for download.

Condition A.7 – DWR continues to work closely with the Delta Watermaster and the South Delta Water Agency (SDWA) in formulating and evaluating options to reduce local sources of water quality degradation.

As reported in the February 2017 Quarterly Status Report, the south Delta salinity study report entitled *Evaluation of Salinity Patterns and Effect of Tidal Flows and Temporary Barriers in the South Delta Channels* was completed and is available for download at the following website: <http://baydeltaoffice.water.ca.gov>. Hard copies were sent to the Board and Quarterly Status Report recipients on April 17, 2017.

A 2015 emergency drought barrier effects analysis report is being finalized and is expected to be provided to the Board in the summer 2017. Planning for potential future drought actions is expected to resume later this year.

Reclamation continues to await comments from the Board regarding the report entitled *Special Study: Evaluation of Dilution Flow to Meet Interior South Delta Water Quality Objectives*, submitted April 11, 2011.

Mr. Thomas Howard
May 31, 2017
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Condition A.8 – No additional salinity control measures have been required by the Executive Director. DWR and Reclamation continue to take action based on the approval of the Compliance Plan for Station C-6 as described under Condition A.4 and have begun preparation of an updated compliance plan as described under Condition A.2.

If you or your staff wishes to discuss this report further, please contact Mark Holderman, Chief of the South Delta Branch, at 916-653-7247 or Mark.Holderman@water.ca.gov.

Sincerely,


Francis Chung, Chief
Bay-Delta Office

ec: (see attached list)

PROOF OF SERVICE

I, the undersigned, hereby certify that I am over eighteen (18) years of age and an employee of the State of California Department of Water Resources, 1416 Ninth Street, Sacramento, California 95814.

On May 31, 2017, I served true and correct copies of the attached Department of Water Resources "Quarterly Status Report" electronically to the office of Division of Water Rights of the State Water Resources Control Board on the 14th floor of the California Environmental Protection Agency Building at 1001 I Street in Sacramento. I also served true and correct copies of this document by electronically transmitting the report to the parties listed on the attached Mailing List.

Date: May 31, 2017

By: 
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