



BACWA
BAY AREA
CLEAN WATER
AGENCIES

July 1, 2017

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VIA EMAIL: Robert.schlipf@waterboards.ca.gov

Subject: 2017 Nutrient Watershed Permit Optimization and Upgrade Studies status report

Mr. Schlipf,

On behalf of BACWA's member agencies covered by the Nutrient Watershed Permit (R2-2014-014), BACWA is pleased to submit our 2017 status update on our Nutrient Optimization and Upgrade studies. This update is required by the Nutrient Watershed Permit Provisions C.1.b and C.2.b.

BACWA has worked with its consulting team to make significant progress on the Nutrient Optimization and Upgrade Studies. Specifically, the team has:

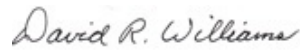
- Prepared and submitted 28 draft Facility Reports to agencies, including findings for plant optimization, sidestream treatment and upgrades, a summary of ancillary benefits and adverse impacts, estimated impacts on greenhouse emissions, and potential emerging technologies that should be considered. Agencies are currently reviewing the draft Reports and have been asked to provide comments by the end of June 2017. Agencies will be requested to sign off on the final Facility Reports prior to their inclusion in the Optimization and Upgrade Studies Report.
- Collected and synthesized information from each agency regarding current capital improvement plan projects that could, or are intended to, reduce nutrient loads to the San Francisco Bay.
- Collected and synthesized information from each agency regarding planned or potential future recycled water projects that could reduce nutrient loads to the San Francisco Bay.
- Prepared a draft analysis of sea level rise for each of the 37 participating agencies.
- Hosted a member workshop on June 7, 2017 to discuss the draft findings of the optimization, sidestream, and upgrades analyses, as well as nutrient reduction by other means (i.e., recycled water, etc.) and sea level rise.
- Hosted monthly conference calls with BACWA's Contract Management Group, which is made up of representatives from member agencies, to review the assumptions and findings used in the Facility Reports.
- Prepared the 2016 Group Annual Report, which summarized the analysis of effluent nutrient monitoring data, concentration and loading trends.

BACWA anticipates completing final Facility Reports by the end of the calendar year and the consulting team will then prepare an executive summary style report summarizing the findings for all 37 plants, including load reductions and costs. The Draft Nutrient Optimization and Upgrade Studies Report will include the executive summary report as well as the plant reports for the 37 participating agencies.

BACWA continues to anticipate submitting the Final Nutrient Optimization and Upgrade Studies Report to the Regional Water Board in advance of the July 1, 2018 deadline.

Please do not hesitate to contact me if you have any questions.

Respectfully,

A handwritten signature in cursive script that reads "David R. Williams".

David R. Williams

Executive Director
Bay Area Clean Water Agencies

cc: BACWA Executive Board
BACWA Watershed Permit Points of Contact
Tom Mumley, Regional Water Quality Control Board