

1st Watershed Permit Status and Schedule

BACWA Pardee Technical Seminar

October 26, 2017

1st Nutrient Watershed Permit overview

- R2-2014-0014 adopted April 9 2014, effective July 1, 2014
 - *Covers all members except Upper Napa River and Ocean Dischargers*
- BACWA had assembled a Nutrient Strategy Team (NST) in September 2013 to negotiate permit
 - *Representatives from each subembayment*
 - *Representatives from large and small agencies*
- After adoption of the permit, BACWA assembled a Contract Management Group (CMG) of member agency representatives to develop RFP, hire, and manage consultant contracts associated with Watershed Permit compliance
- Because of economies of scale associated with compliance with Watershed Permit, all POTWs in Region 2 joined BACWA

The Watershed permit has 4 tenets

1. Effluent monitoring by agencies
2. Annual Reporting of data and trends
3. Evaluation of Potential Nutrient Discharge Reduction by Treatment Optimization, Side-stream Treatment, Upgrades, and by Other Means (Optimization/Upgrade Studies)
4. Support for Monitoring, Modeling, and Embayment Studies

Permit requirements are in red

Effluent monitoring by agencies

- Agencies monitor the following and report to CIWQS:
 - Ammonia
 - Total Kjeldahl Nitrogen
 - Nitrate-Nitrite
 - Total Phosphorus
 - Soluble Reactive Phosphorus
 - Total Nitrogen
- Agencies also report to HDR via excel worksheet to avoid problems with data retrieval

Group Annual Report

- Group Annual Report is submitted each year on October 1, reporting data and identifying trends
- On October 1, 2017, BACWA submitted the third Annual Report, covering 5 years of data, including 2 years of 13267 data which began in July 2012
- Final Group Annual report for current Watershed Permit due October 1, 2018
- Agencies have option to “go it alone” but they still need to compare their loads to others in the subembayment, so all permittees have elected to participate in Group Annual Report

Optimization/Upgrade/Sidestream studies

- 12/1/14 – Scoping and Evaluation Plan submitted to Regional Water Board
- 2/18/15 – Agency Deadline for responding to preliminary questionnaire
- 4/15 to 9/16 – Consultant Team conducted site visits
- 5/1/16 – Consultants issued information request on recycled water and capital plans
- 7/1/16 and 7/1/17 – Progress reports submitted to Regional Water Board
- 6/28/16 and 6/7/17 – BACWA hosted member workshops on studies
- 6/1/17 – Facility Reports circulated to all agencies for review
- 6/17 to 11/17 - Consultants respond to comments and agencies to sign off on facility reports
- 11/17 to spring 2018 - Consultants draft and finalize Report, with CMG review

- 7/1/18 – Final Report due to Regional Water Board

Support for Scientific Studies

- BACWA has paid \$880K in support of studies each permit year, funded by Nutrient Surcharge on members
 - In FY2014, maintained contract with SFEI
 - From FY2015 forward, sent funds directly to RMP for management
- Status reports submitted each year on February 1.
- BACWA representatives have participated in the Nutrient Management Strategy Steering Committee and the Planning Subcommittee to direct how funds are allocated on studies
- Individual members have contributed additional funds to Science Program
- In FY2018, BACWA Contributed extra \$200K to accelerate Science Program, and plans to continue to do so in FY2019, the last year of the permit.

Questions?