

BACWA Optimization/Upgrade Workshop No. 2
June 7, 2017
EBMUD Training Resource Center, 2nd Floor
375 11th St, Oakland,
9:45 am – 2:30 pm
Agenda

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|--|-----------------|
| I. Meet and Greet – Light Continental Breakfast | 9:45 AM |
| II. Welcome and Introduction | 10:00 AM |
| III. Optimization/Upgrade Preliminary Findings | 10:15 AM |
| A. Brief Introduction | |
| a) Nutrient Watershed Permit Background | |
| b) Project Approach and Current Status | |
| c) Purpose of Report | |
| B. Case Study 1 | |
| a) Case 1 | |
| a. Optimization | |
| b. Sidestream | |
| c. Level 2 Upgrades | |
| d. Level 3 Upgrades | |
| b) Case 2 | |
| a. Optimization | |
| b. Sidestream | |
| c. Level 2 Upgrades | |
| d. Level 3 Upgrades | |
| c) Compare and Contrast | |
| C. Draft Findings, Cost and Load Reduction Results | |
| a) Optimization | |
| b) Sidestream | |
| c) Level 2 | |
| d) Level 3 | |
| e) No Net Load Increase | |
| f) Complete Summary of Initial Results | |
| IV. Lunch Break | 12:00 PM |

- V. Continuation of Preliminary Findings** **12:25 PM**
- A. Observations on Trends / Findings
 - a) Role of Averaging Periods
 - b) Plant Sizing – Treating all the Flow
 - c) Space Constraints
 - d) Emerging Technologies
 - e) Nitrogen vs. Phosphorus
 - f) Greenhouse Gas Emissions
 - B. Summary of Recycled Water and CIP Data Request
 - C. Sea Level Rise
 - D. Next Steps
 - E. Q/A
- VI. Update on 2nd Watershed Permit** **1:05 PM**
- VII. Technology/innovation Update Panel** **1:15 PM**
- A. Nereda (AECOM)
 - B. Innovation in Denmark (Danish Delegation)
 - C. Microbes and the Next Nitrogen Revolution (Professor Rabaey)
- VIII. Adjourn** **2:30 PM**