

Central Contra Costa Sanitation District Martinez, California

I. Respondent:

Doug Little, Plant Operations Superintendent

II. Treatment Plant Characteristics:

- Wastewater Treatment and Collections
- 470,000 people served
- 250 employees

III. Innovation:

A. Description

We are currently pilot-testing a nitrogen removal process known as Zeolite Anammox

B. Type of Innovations

- New treatment process

C. Motivation for Innovations

Part of National Pollution Discharge Elimination System (NPDES) Permit - required Facility Plan and Site Characterization

D. Barriers/Challenges

Still in the pilot stage

E. Benefits

Potential benefit is easy adoption to existing treatment plant and lower energy consumption than conventional nitrification and denitrification

F. Effect on Staff Training

Operations and lab training need in monitoring and process control testing for nitrogen removal

IV. Drought Response:

We are seeking additional customers and partnerships to utilize existing recycled water capacity

V. Information Sharing:

- Willing to host on-site tour
- Willing for staff member from other utility to conduct a follow-up visit to learn more about innovations
- Interested in on-line forum to discuss water/recycling/waste-water treatment issues

Contact: Doug Little;

For on-site tour, contact Doug Little or Randy Schmidt,