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Project Title: CRED Co-digestion of FOG

Award Number: DE-EE0003070

Recipient: SRCSD

Project Location: SRWTP, Elk Grove, CA

Reporting Period: Quarter ending: June 30, 2011

Date of Report: July 18, 2011

Written by: Stephen Moore

1. What we planned to accomplish this quarter (by sub-task)?

1. Selection of consultant for design and construction.
2. Kickoff meetings with the consultant

2. What we actually accomplished this quarter (by sub-task)?

1. Scope of work for Final Design with Carollo Engineers signed.
2. A kickoff and four design meetings between the SRWTP staff and Carollo Engineers have been conducted
3. Selection of some design parameters including:
 - A. The location of the receiving station at site 1, as close as possible to the solids tunnel.
 - B. Card Readers and Surveillance system for the receiving station
 - C. Tank material selection is HDPE.
 - D. A simplex strainer outside of the fence, with a grinder/rock trap inside the fence.
 - E. Rotary lobe pumps will be used for the transfer pumps and the feed pumps
 - F. Skid mounted canister style odor control system will be used.
 - G. A bypass line will be provided around the FPW tank to allow for direct feed of soda waste.

4. Further research needs identified, including
 - A. Research into other wastewater treatment plants that have FOG receiving stations
 - B. Breakaway hose connections
 - C. Pipe material. Corollo is setting a meeting with the Fire Marshall to discuss the Fire Code002E
 - D. Tie-in location between the receiving station and the mixed sludge line
 - E. Carollo is evaluating the potential to circulate mixed sludge or circulating sludge through the FOG/FPW lines
5. Carollo to submit a preliminary equipment list so SRCSD can begin the process of obtaining equipment tag numbers

3. How we are doing compared to our plan (by sub-task)?

1. We are on track with our plan.
2. The Pre-design report is due July 5.
3. “Design Camp” with the Consultant and SRWTP staff goes 18-20 July at the Corollo office to complete initial design work.
4. Final design due to the SRCSD Board on November 9.