

BACWA - Information Sharing Group
Meeting Minutes
August 27, 2008
10:00-2:00 at FSSD

ATTENDEES

Larry Shepardson, CCCSD
Steve Dominguez, DDS
Joaquin Gonzalez
Dave Livingston, USD
Dave Frietas, EBMUD
Talyon Sortor, FSSD
Richard Althouse, FSSD
Greg Baatrup, FSSD
Dale Posey, SF
Greg Mayer, SF
David Stoops, City of Livermore
Mick Berklich, SRWTP
Nathan Brennan, CMSA
Mike Barnes, WBA

DISCUSSION ITEMS

08-2.1 FSSD Transition from Contract Operations to District O&M

Talyon and Richard reported that the transition is going very well so far. They are giving the O&M staff significant autonomy in staffing the shifts, which has led to only 4 hours of OT in the first two months of District operation. They have no holidays, and instead give the staff 100 hours of floating leave in place of holiday time off. There is no seniority in selecting shift staffing and no standby pay. After completing the first year of District operation, they will give an update to the group.

08-2.2 Shift Scheduling

CCCSD has been discussing revising their schedule from the current 10 days on, 4 days off, and asked what other agencies use. Following is a brief summary.

SRWTP. Most staff are on a 5-80 schedule with a 20 week rotation.

FSSD is using 4-10s with 4 days on and 3 days off

DDS uses 12 hours shifts with a 4-10 relief schedule on a two week cycle.

SF. At SE plant, most staff are on 12 hour shifts with a 5 week cycle. At Oceanside, they use 5-8s.

EBMUD. Their MOU dictates a three-5 shift.

USD. Use 12 hour shifts with a two week pattern. Shifts are from 6 to 6.

CMSA. Generally use 4-10s.

08-2.3 Digester Mixing

DDSD has a new pumped mix system for their digesters in which they mix for 30 minutes on and 30 minutes off. The digester solids content has been up to 4.4%. They have observed a gas production increase with the pumped mixing. Steve noted that Truckee had foaming when they mixed continuously with pumped mixing, and that the foaming stopped when they reduced the mixing. They asked others what they do.

Livermore. Rotamix system which is on continuously. 2.2% solids.

SF. Have pumped mix for their 750,000 egg shaped digester. They mix 24/7 and have not had foaming.

USD. Pumped mix that achieves 10-12 turnovers per day. They use Wemco Hydrostal pumps.

08-2.4 Alternative Energy Projects

USD. Will be asking its Board to approve a 2.4 mW fuel cell project. The project will cost \$17 mil, but the net cost to the District will be \$10 mil after receiving the state grant of \$7 mil. The grant requires the District to enter into a 3 year O&M service agreement with the fuel cell supplier. They have 18 months to implement the project to earn the grant. The alternative project considered was rehabilitating their cogeneration system at a cost of about \$10 mil.

CMSA. Their cogen engines run for 10-11 hrs/day on digester gas, then switch to digester gas. The system is working well. They produce about 450-650 kW, and import about 50 kW.

FSSD. Will be installing four 50 kW wind turbines in the near future. The hub height is only 100 feet to minimize the visual impact.

SF. Has discussed using wave power. They have a 0.25 mW of solar panels installed on the roof of their primary sedimentation building. Gene noted that they could increase power production by about 30% if they could cool the panels.

ACTION ITEMS

- Agencies to bring their costs of solids handling



Linda S. Adams
Secretary for
Environmental Protection

- Ask Randy Schmidt to attend a future meeting to give an update on climate change. (Someone at EBMUD can also give this update.)



Arnold Schwarzenegger
Governor

NEXT MEETING SUGGESTION ITEMS

- Alternative energy projects-continuation of 8/08 discussion
- Grease to Power, grease to energy projects (SD 8/08)
- USD-report on PRISC system
- Transition issues at shift turnover (DF 8/08)
- Solids handling processes and costs
- Chlorine residual rule (DF 11/07)
- Climate change/energy conservation. What are agencies doing? (MP 7/07)
- Digester Cleaning
- Spill reporting (Dale email of 3/7/08)
- Impacts of water conservation (MP 7/07)
- Others?

NEXT MEETINGS

- November 19, 2008 at EBMUD