



2520 Venture Oaks Way, Suite 250  
Sacramento, CA 95833

Job Name: Muscoy OU Remedial Action  
WA No.: 016-RARA-09J5  
Project Location: San Bernardino, CA  
URS Project No.: 18600069.05010

## MUSCOY 19<sup>th</sup> STREET PLANT/ENCANTO PARK MONTHLY MEETING MINUTES

Date: 05/09/05  
Time From: 0900 - 1130

U.S. Environmental Protection Agency, Region IX  
75 Hawthorne Street  
San Francisco, CA 94105  
Contract No. 68-W-98-225

### Meeting Attendees:

- Kim Hoang/USEPA;
- Dennis Bane/URS; Dwayne Deutscher/URS; Adam Harvey/URS; Tim Gere/URS
- Stacey Aldstadt/SBMWD; Bill Bryden/SBMWD; Mike Lowe/SBMWD; Lana Kennerly/SBMWD; Dave Solomona /SBMWD
- Mark Eisen/Secor
- Bob Kemmerle/E2

### Meeting Topics:

- Project Construction Status
  - o Treatment Plant
    - Chlorine system was programmed and was checked out by Mike Lowe and Mike Garland of SBMWD. Training was provided to Mike L. and Mike G. by the chlorine system vendor. SBMWD is satisfied with operation. Mechanical modifications to the system are planned during the week of 9 May (larger 9-inch impeller and larger injection tubing in the injection vault).
    - The Cla-Val ACV-3 was also wired, set-up, and tested. Mike L. and Mike G. observed operation and are satisfied with operations of the valve.
    - Adam requested in writing from SBMWD that signal cable shielding not be grounded on the power source end. The design calls for grounding the shields in accordance with standard industry practice.
    - Mike L. stated that SBMWD desires the differential pressure transducers to display locally in psi and not in %. It was noted that the Waterman plant transducers display locally in %, however Mike L. stated that SBMWD is not happy with that either. Adam stated that URS is investigating the ability to convert the local display to show psi instead of %, but noted that SCADA could easily be programmed so that screen displays show psi.
    - Mike L. will backwash all vessels prior to startup.
  - o Encanto Park Booster Pump Station
    - See status below under instrumentation/SCADA.
- Instrumentation/SCADA
  - o Treatment Plant –
    - The only remaining startup item at the treatment plant is the programming/SCADA of the alarm setpoints, communications verification from instruments to RTU to SBMWD operations center. Mike L. stated that ATSI worked over the weekend on the programming and was loading the alarm programming today.
  - o Encanto Park –
    - URS is working with subcontractors to install the Cl, pH, temperature and pressure probes. These are needed to proceed with operational testing at the Encanto Park Booster Pump Station. Kim requested that URS get the probes ordered as soon as possible.
    - Bill noted that SBMWD could sample the water to confirm parameters until the probe is installed.
    - URS received the Muni equipment from Terry and will work with Davis Electric to install.
  - o Monitoring Wells –
    - Dennis said that all available INW transducers are programmed and installed. There are 14 INWs installed and ready for redundant data collection. Problems noted during recent inspections of monitoring wells included shorted wiring in bottom of panels, transducers hanging by electrical connectors,
    - Mark stated that they are awaiting cable for two in-situ monitoring well transducers.
    - SBMWD is troubleshooting communications issues between the monitoring wells and operations.



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### Meeting Topics Continued:

- Extraction Well Control –
  - Dennis and Mark will draft a extraction well plan to define restrictions on extraction well operations during startup.
- Operations Center-
  - ATSI is working on this programming.
- Well Construction Status
  - Mike L. stated that all extraction wells are complete. SCADA is working.
  - There are only minor items left on several façade houses.
- Project Start Up Issues/Schedules
  - Draft O&M Manual – SBMWD providing comments and SCADA section today per Bill.
  - SBMWD requested delay of system shutdown last Friday, 6 May.
  - Mike L. to evaluate and confirm ready to proceed with shakedown testing next week by Friday, 13 May.
  - Startup schedule-
    - **Shakedown:**
      - Three-day concentrated shakedown period scheduled to begin next week. We will use the shakedown checklists as a guide to step through functional testing, communications, and alarm setpoint testing. Tuesday, May 17 will consist of monitoring well testing, Wednesday, 18 May and Thursday, 19 May will include treatment plant and operations center shakedown.
      - Nick Reylek, Mike Worthington, and Adam Harvey from URS will be onsite for the shakedown testing.
      - Mike L. noted that several SBMWD personnel will support the shakedown to test local, RTU, and operations center verification of signals and alarms.
    - **Recovery shutdown** is scheduled for 23 May through 30 May.
    - **Startup** of EW-108 on 31 May.
- One-Year Treatment Plant Operations
  - Report format was discussed.
  - Adam distributed a draft format for the operations report.
  - Kim would like analytical data and operations report to be combined into a monthly report.
  - Adam to meet with Mike to establish data the city collects and the DHS reports that are generated by SBMWD.
- Quality Control Team
  - Bob K to be onsite for shakedown on Wednesday, May 18.
- Community Relations
  - No issues.



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Other

- URS requested any comments on the Phase 1 and Phase 2 Pipeline construction reports so that they can be finalized.
- The Undercrossing Construction Report was distributed on 5 May. Comments from EPA and SBMWD are requested within 45 calendar days (20 June 05).
- Bill and Dwayne to determine what Newmark and Muscoy drawings are still needed by the city in AutoCad format.

Next Meeting

- Next Technical meeting time was not confirmed. The plan is to have the next meeting during the extraction well startup.

The minutes of this meeting represent the writer's understanding of the events as discussed. Should an attendees understanding differ, please contact Adam Harvey at (916) 679-2002 or adam\_harvey@urscorp.com. The minutes contained herein will stand if not corrected within ten (10) days of this writing.