



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 19th STREET PLANT/ENCANTO PARK MONTHLY MEETING MINUTES

Date: 03/03/05
Time From: 0900 - 1700

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; Kit Veldman/URS
- Bob Kemmerle/E2
- Bill Bryden/SBMWD; Stacey Aldstadt/SBMWD; Mike Lowe/SBMWD; Lana Kennerly/SBMWD
- Nick Reylek/URS, Mike Bartosek/Secor, Jim Levine/ATSI (SCADA discussion only)

Meeting Topics:

- Project Construction Status
 - Treatment Plant – Electrical is still on going. RTU panel was delivered this week and wires have been pulled to it. ATSI still needs to install racks into panel. Per agreement with URS, ATSI must finish RTU panel by 3/4/05.
 - Carbon Delivery – As of 3/3/05, 21 vessels have received carbon. One of the first vessels filled had a positive BACT test and is being back flushed. City to confirm, one more vessel had a positive BACT test.
 - Chlorine Probe – URS provided possible alternate chlorine probe to SBMWD. Bill Bryden to review the specification data and confirm with MUNI if the probe is acceptable.
- Monitoring Well Issues (excluding SCADA)
 - Checklist
 - Kim requested that URS create a detailed checklist that includes ALL monitoring wells (not just the Muscoy wells included in the construction checklists) to incorporate the mechanical, electrical, operational and sample data delivery requirements.
 - Bob requested that the well locations be included on the checklist.
 - SCADA Scope of Work – URS requested the SCADA scope of work for the monitoring wells from the City. The City says that the scope of work is no more than a paragraph stating that ATSI will provide and connect SCADA equipment.
 - Well Head Survey – SBMWD to recheck the wellhead survey data and send to URS.
 - Data Formats – City to make a decision on data format by 3/18/05.
 - Sampling
 - Kim to respond to Dennis comments on the FSP (sent in email) by 3/11/05.
 - Baseline sampling will begin 4/11/05. Kim to contact Mary O'Donnell and confirm how much lead time is needed by the lab.
 - SBMWD and URS need to coordinate start up and long term sampling. Kim requested that SBMWD provide a 16 month sampling schedule.
- Extraction Well Issues (excluding SCADA)
 - SBMWD to provide EW as built to URS.
 - SBMWD to provide EW development data to URS.
 - At wells EW-109, EW-110, and EW-111 the vault lids are too heavy to open and do not seat correctly. SBMWD to look into replacing lids.



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 19th STREET PLANT/ENCANTO PARK MONTHLY MEETING MINUTES

Date: 03/03/05
Time From: 0900 - 1700

Meeting Topics Continued:

- SCADA Issues (with Jim Levine, Mike Bartosek and Nick Reylek)
 - 19th Street and Encanto Park
 - ⇒ ATSI will land wires in the RTU panel next week at 19th Street.
 - ⇒ The programming, screens and database are already completed.
 - ⇒ Schedule: 2-1/2 days to land wires; 2 to 5 days for testing.
 - ⇒ On schedule for start up in May.
 - Extraction Wells
 - ⇒ EW-1 through EW-5 were working until 3/2/05. Now SCADA cannot control flow.
 - ⇒ EW-108 through EW-112 are not completed. Programming done. Need perform testing once wells are online.
 - ⇒ Three wells still need transducers installed.
 - ⇒ Testing should take 2 to 5 days.
 - ⇒ On schedule for start up in May.
 - Monitoring Wells
 - ⇒ Newmark and North Side – In-situ transducers are working, except for a few anomalies with dropped data. ATSI to confirm via email or letter when the In-situ probes are working with out any problems. SBMWD to install alarms at Newmark sites to alert City when a transducer is down.
 - ⇒ Muscoy – INW transducers (at 8 well sites) are not working properly. INW is not communicating with SCADA. Prior to providing external power source and calibration, the transducers were working.
 - ⇒ Reviewed several options to get wells online for start up in May.
 - Option 1 – Replace INWs with In-Situs. This was decided against for timing and monetary reasons.
 - Option 2 – Get INW technician on site with ATSI and Secor. Strip off calibration and external power source and rebuild from scratch to determine exact location of problem. SBMWD proceeding with this option.
 - ⇒ URS to provide a cost to have URS personnel download the data directly from the transducers during the 5 week start up period, using “Mike’s Super Plug”, if SCADA not working by start up.
 - ⇒ SBMWD to inform URS by 3/18/05 if the SCADA will be operating at start up. If not, then URS will begin implementing the manual upload process.
 - ⇒ SBMWD to create a “site log” to be kept in the well vault. Any modifications, data uploads or modifications need to be logged.
 - Documentation Requirements
 - ⇒ ATSI to provide a written response to the City’s letter by 3/14/05, indicating data already provided and dates when additional data will be provided.
 - ⇒ Most of the requested information for the O&M manual is in the “Master Plan” created by ATSI and SBMWD. Data in “Master Plan” includes all alarms, control strategy, Startup/Shutdown sequence SBMWD to provide a copy of the “Master Plan” to URS.
 - ⇒ SBMWD has ladder protocol. SBMWD needs to provide a hard copy to URS for use in the O&M Manual.



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 19th STREET PLANT/ENCANTO PARK MONTHLY MEETING MINUTES

Date: 03/03/05
Time From: 0900 - 1700

Meeting Topics Continued:

- Start Up and Long Term O&M Issues
 - Tracking O&M during 1 year performance period
 - ⇒ URS to create a form for the City to fill out on a monthly basis to confirm continued operation of the mechanical and electrical aspects of the plant.
 - ⇒ URS to create a discrepancy form for the City to fill out and attached to the monthly report form for any malfunctions or warranty issues.
 - ⇒ SBMWD to provide a copy of daily plant readings from Newmark to use in developing monthly report form for City O&M activities.
 - ⇒ These monthly forms will go into the Performance Report.
 - Reporting
 - ⇒ Kim has requested that URS submit a Technical Memo summarizing the 5 week start up period.
 - ⇒ The Pre-Final Inspection Checklists, Punch Lists and Shakedown Checklists will all go into the corresponding Construction Completion Reports, which will become an appendix in the R.A. Report.
- Quality Control Team
 - No issues.
- Community Relations
 - Kim Hoang, Francisco Arcuate, Stacey Aldstadt, Lana Kennerly, Tom Valdez and Kit Veldman met on 03/02/05 to discuss the dedication ceremony.
 - URS to provide 250 color copies of 8-1/2 x 11 versions of posters to SBMWD by 3/18/05.
 - EPA to provide updated list of names to URS by 3/9/05.
- Other Issues
 - URS will provide plan and profile as built of the pipeline to the City by 3/18/05.
 - Kim to provide Word Perfect version of the Consent Decree to Dennis and Stacey.
 - URS to provide a CD with the most recent construction photos to Kim.
- Next Meeting
 - Next Technical meeting time was not confirmed. The latest schedule shows a technical meeting scheduled for 03/17/05. URS to confirm on conference call.

The minutes of this meeting represent the writer's understanding of the events as discussed. Should an attendees understanding differ, please contact Kit Veldman at (916) 679-2369, or kit_veldman@urscorp.com. The minutes contained herein will stand if not corrected within ten (10) days of this writing.