

RPM MEETING: SUMMARY
NASA JET PROPULSION LABORATORY CERCLA SITE

Date/Time: June 26, 2007/10:00 AM-1:30 PM

Location: Foothill Municipal Water District (FMWD) Office

List of Attendees:

- Steve Slaten (NASA)
- Merrilee Fellows (NASA)
- Lewis Mitani (U.S. EPA)
- Michel Iskarous (DTSC)
- Chuck Buriel (JPL)
- Jeff O'Keefe (DHS)
- Alan Sorsher (DHS)
- Stefan Cajina (DHS)
- Gary Takara (City of Pasadena)
- Tony Zampello (Raymond Basin Management Board)
- Nick Amini (Battelle)
- Lori Garner (Battelle)

Attachments:

- Agenda
- Presentation slides for the CERCLA Program Update
- Graph showing perchlorate levels in the Sunset Reservoir wells (PWP Slide)
- Graph showing perchlorate levels in the Pasadena East Site wells (PWP Slide)

Summary and Action Items:

Operable Unit 3 Update

- Steve Slaten provided an update on the OU-3 ROD Lincoln Avenue Water Company (LAWC) system, the City of Pasadena System, the Additional Investigation and the Sunset Wells.
- OU-3 ROD:
 - Steve Slaten indicated that the OU-3 ROD has been signed by NASA and by DTSC. Still awaiting EPA signature.
 - Lewis Mitani stated that the EPA is currently in consultation with its Headquarters about whether they will address Institutional Controls and indicated that details should be finalized and the ROD signed soon. He also asked if the RWQCB has been notified of the changes proposed by EPA.
 - Steve Slaten responded that the EPA made minor changes to the language in the ROD and that he will provide an updated version of the ROD to RWQCB and DTSC noting the changes once all revisions have been made.
- Lincoln Avenue Water Company (LAWC):
 - Steve Slaten provided a brief update of the LAWC System for Bob Hayward (who was not at the meeting)
 - Indications were that everything was running smoothly at the LAWC plant
 - Gary Takara announced the extension of the agreement between the City of Pasadena and LAWC for leasing water rights. The extension is for LAWC to pump an additional 1,000 acre-feet of the City of Pasadena's water rights, which is expected to let LAWC continue water use into the next year. Gary also asked about periods of shut down for the LAWC system [shown in the slide] in Spring and Summer 2006. Steve responded that they were due to some mechanical problems with the vessels and also bacteria in newly delivered GAC. Jeff O'Keefe mentioned a theory that the GAC provided by Siemens may have been stored for a long time in a condition that resulted in bacteria prior to transportation of the GAC to LAWC.
- City of Pasadena System:
 - Steve Slaten describes NASA's new "green initiative" in which NASA will emphasize "green" operations, with an emphasis on the reduction of use of power. NASA is currently looking into solar power, among other things, in order to meet this goal.
 - NASA will be looking at the electrical equipment at Windsor Reservoir to determine functionality and need for any repairs.
 - Video-loggers will be at the Windsor Reservoir in the next 1-2 weeks in order to look at 4,000 feet of pipelines.
 - DHS 97-005: Battelle sent a working draft of Sections 1-3 to Alan Sorsher on June 1.
 - Gary Takara announces that Calgon was selected as the vendor for the Windsor Reservoir treatment plant and that initial discussions are

underway, with focus on the design. He notes that special emphasis is being placed on aesthetics and noise control.

- The City of Pasadena is working on the California Environmental Quality Act (CEQA) Initial Study for Windsor Reservoir treatment system, which is a precursor to several other tasks including the Conditional Use Permit (CUP) and approval of the vendor by the City Council.
 - Discussion of timeline (see attached presentation). Alan Sorsher noted that there should be added to the schedule a draft technical document (60 percent design) provided to DHS [which, by then, will be called the Department of Public Health] in October of 2007. They expect to hold a public comment period for 30 days prior to approval in October of 2008.
 - Jeff O'Keefe suggests that DHS and others write letters of support of the treatment system for the public review process.
- *Action Item:*
 - NASA/City of Pasadena/DHS – set up a meeting to discuss the timeline for the various permitting processes for the proposed Windsor Reservoir treatment system.
 - *Sunset Wells Update:*
 - Gary Takara reported on Sunset Wells. Copelin is up and running (pumps were repaired) and Villa is back online as well (mechanical problems fixed). Perchlorate levels will be reported at next RPM Meeting.
 - Not much change in perchlorate levels at other wells since last summary.
 - Bangham is now up and running and currently the only well serving water (mixing with MWD water).
 - East Side Wells: Craig shut down for mechanical difficulties. Other wells are “non-detect” [ND], same since March 2006. Overall they are not seeing any perchlorate issue with the East Side wells.
 - Plans for a City-funded treatment system for Sunset Wells is underway. The system would treat Copelin, Sunset and Bangham wells. Scheduled completion is anticipated to be December 2008. Currently reviewing vendor proposals.
 - Jeff O'Keefe noted that some funding for that Sunset treatment plant is from Prop. 50 through DHS [DPH]. He noted that it will be one to two months before official sign-off on funds.
 - *Additional Investigation Update:*
 - NASA expects to meet with the City and clarify comments and questions.
 - Raymond Basin Management Board plans to deliver its comments soon, according to Tony Zampiendo.
 - EPA is currently reviewing document.
 - DTSC has delivered comments to NASA.
 - Next steps: Steve Slaten said that NASA will make all comments public for discussion. NASA will consider all comments and will encourage open dialogue aimed at reaching a full understanding of the nature and extent of the plume.

- Lewis Mitani asked if the additional investigation document were part of NASA's Administrative Record for the project.
- Merrilee Fellows noted that the document is currently part of the Information Repository. Steve Slaten added that as NASA moves toward a final ROD, this document could become part of the Administrative Record for the Final ROD.
- Jeff O'Keefe asked if response to all the comments on the additional investigation document will be given by the next face-to-face RPM meeting. Steve responded he is hoping to have responses to the Geoscience comments by that time.

Public Involvement Update:

- Merrilee Fellows noted that NASA has prepared notification flyers, postcards and legal public notice to announce the final signature of the Interim OU-3 ROD.
- A NASA newsletter is tentatively planned for release in the fall.
- JPL's Open House in May was a success. NASA hosted a Groundwater Cleanup Program booth for the fourth year in a row and thousands of visitors walked by the booth and asked questions ranging from specifics about NASA's cleanup and JPL to water remediation in general. Noted many Spanish-speakers talked to our translator Myrna Gutierrez who answered their questions.
- Windsor Reservoir: Landscaping continuing to establish itself along the fence line at Windsor Reservoir. During last site visit, Merrilee spoke with one of the neighbors with a day care who again mentioned her request that dust shields be put up on her fence during construction. She was reassured that this would take place.
- NASA HQ is developing a fact sheet on perchlorate that is meant for media and members of congress, etc. who have questions about perchlorate in general. Not specifically a piece that is directed to its cleanup program at JPL.
- Response to Additional Investigation by City of Pasadena/Geosciences: Merrilee notes *Pasadena Star-News* article, as well as articles in the *Pasadena Weekly* and *Arcadia Weekly*. Alan Sorsher asked what were the public's response to these articles and Merrilee said that she has received no comments from members of the public about this.
- Merrilee Fellows asked Gary Takara about planned seismic retrofit of Windsor Reservoir and plans to inform the surrounding neighbors of these events. Gary said PWP will be talking to neighbors before the construction is underway. City is currently selecting a contractor and construction is estimated to start at the end of September.
- *Action Item:*
 - City of Pasadena to consider zoning rules and possibility for the placement of a sign notifying surrounding neighbors of Windsor Reservoir of seismic upgrade activities.

OU-1 Update:

- Steve Slaten provided an update on the OU-1 activities (see presentation for mass removal), including the current system expansion.
- System expansion: wells are completed, and Battelle is currently installing piping and electrical. Completion of expansion is anticipated in July.

Other Items:

- Groundwater Monitoring Report: NASA submitted 1st Quarter 2007 Groundwater Monitoring Report on June 19. Alan Sorsher mentioned that the DHS appreciates the concentration versus time plot for the monitoring wells included in that tech memo. Notes that MW-4 had an increase in perchlorate;
- Five-Year Review: NASA plans to start cycle with an abbreviated review this summer to confirm that it is operating with a scheduled future date .
- OU-2 Well Abandonment: SVE closed out except for the removal of the infrastructure. Disposal of SVE must go through a process that will make system available first to federal sites, then state, then municipalities. Then, if no interest, to auction.
 - Jeff O'Keefe noted that Baldwin Park is in need of SVE system and will let them know of the possibility of availability from NASA.

Upcoming Meetings

(Meetings are regularly scheduled for the 4th Tuesday of every month, unless otherwise mentioned):

- Teleconference: Tuesday, July 24 @ 10 AM
- Teleconference: Tuesday, August 28 @ 10 AM
- In-Person Meeting: Tuesday, September 25 @ 10 AM (note date correction from meeting agenda)