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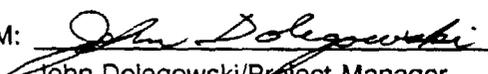
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MCAS EL TORO
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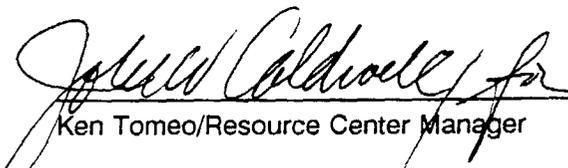
CONTRACT N-68711-89-D-9296

DOCUMENT CONTROL NO: CLE-C01-01F145-12-0074

TO: Ms. Robin Green
Contracting Officer, Code 0232.RG
Naval Facilities Engineering Command
Southwest Division
Contracts Dept., Room 135
1220 Pacific Highway
San Diego, California 92132-5187

DATE: 03 February 1994
CTO #: 0145
LOCATION: Santa Ana
TASK/WORK ELEMENT: _____

FROM: 
John Dolegowski/Project Manager


Ken Tomeo/Resource Center Manager

DESCRIPTION: Project Note No. PN-0145-108, MCAS El Toro Remedial Investigation/Feasibility Study (RI/FS), Remedial Project Managers (RPM) Meeting.

TYPE: Contract Deliverable CTO Deliverable Request For Change/Project Note

CATEGORY: Preliminary Draft Draft Preliminary Final Final

SCHEDULED DELIVERY DATE: _____ ACTUAL DELIVERY DATE: _____

Number of Copies Submitted to Navy: _____

Copies To: K. Reynolds - Code 1841 w/o attach File - PMO w/attach
A. Piszkin - Code 1812.AP w/attach File - CTO Notebook/PMO w/o attach
D. Villanueva - Code 0232.DV w/o attach File - CH2M HILL w/attach
J. Allen - Code 0232.JA w/o attach K. Tomeo - CH2M HILL w/attach
C. Mitchell - MCAS El Toro w/o attach B. Zanjani - CH2M HILL w/attach
K. Frederickson - CH2M HILL w/o attach

Delivered To: Contracting Officer RPM/EIC Date/Time Received

Name: _____

TITLE: REMEDIAL PROJECT MANAGERS (RPM) MEETING RI/FS

AUTHOR: RENEE JENNESKENS/CH2M HILL

DATE: 02/02/94

CATEGORY: 11.5

PROJECT NOTE NO. PN-0145-108 CLE-C01-01F145-I2-0074	PROJECT NO. 01-F145-H6
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CONFIRMATION OF:	CONFERENCE	DATE HELD	13 January 1994	
	TELECOM	X	DATE ISSUED	02 February 1994
	OTHER		RECORDED BY	Renée Jenneskens/CH2M HILL
SUBJECT	Contract Task Order (CTO) No.145 MCAS El Toro Remedial Investigation/Feasibility Study (RI/FS) Remedial Project Managers (RPM) Meeting			
		PLACE	MCAS, El Toro	

PARTICIPANTS: (* DENOTES PART-TIME ATTENDANCE)

See last page

ACTION REQ'D. BY	ITEM
	<p>The Remedial Project Managers (RPM) Meeting for the Marine Corps Air Station (MCAS) El Toro Remedial Investigation/Feasibility Study (RI/FS) was held at MCAS El Toro on 13 January 1994. Participants represented the following organizations: the Naval Facilities Engineering Command, Southwest Division (SWDIV); MCAS El Toro; U.S. Environmental Protection Agency, Region 9 (EPA); California Regional Water Quality Control Board (RWQCB), Santa Ana Region; the California Environmental Protection Agency (Cal-EPA) Department of Toxic Substances Control (DTSC); Bechtel Corporation (EPA's consultant); and CH2M HILL (SWDIV's consultant for the CLEAN I Contract). These meeting notes summarize the items discussed at the meeting. A copy of the agenda is attached.</p> <p><u>Action Items</u></p> <ul style="list-style-type: none"> o CH2M HILL will resolve the issue of the cost of field screening. o MCAS El Toro will have a conference call on placing well placards at contaminated production wells. o MCAS El Toro will investigate ways to identify RI sites at MCAS El Toro and develop a written policy so that workers will not accidentally affect the investigation (e.g., placard, fence, stakes, etc). o CH2M HILL will present the second round of groundwater sampling results in the Groundwater Monitoring Plan. The agencies will provide feedback to CH2M HILL on the format of the data presentation. o MCAS El Toro will collect samples from the Site 8 soil pile for Resource Conservation and Recovery Act (RCRA) disposal.

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ACTION REQ'D. BY	ITEM
	<ul style="list-style-type: none"> o The Navy will set up a team building meeting. o The Navy will respond to the agency letter requesting a removal action in Aqua Chinon Wash and investigate the possible use of a new cone penetrometer test (CPT) fluorescence spectrometer rig to delineate the extent of contamination. o The agencies will provide feedback to the Navy on the Technical Proposal to conduct the Site 24 soil gas investigation. o The team will reactivate biweekly conference calls. o The EPA will prepare a written request to the Navy to get help for Andy Piszkin/Code 1831.AP. o The Navy will respond to the EPA's request for digitized map files and sample locations. <p><u>Partnering Issues</u></p> <p>A. Piszkin listed documents distributed to the regulatory agencies prior to this RPM meeting (<u>Generic Sampling and Analysis Plan For A Typical Military Facility</u>, prepared by SiteWorks, Inc. and <u>Target Environmental Services [Jan 1994]</u>, <u>MCAS El Toro Streamlined Approach for Operable Unit (OU-1) FS</u> prepared by Davi Richards/CH2M HILL and <u>OU-1 Feasibility Study MCAS El Toro Remedial Investigation/Feasibility Study</u> also prepared by D. Richards. A. Piszkin stated he wanted the meeting to avoid confrontation and emphasize general issues and not debate specifics of comments on Phase II plans. John Hamill/EPA asked that the team go over action items from the last meeting. He also requested that the team discuss planning and scheduling a bottom-up review and have a team-building session. A. Piszkin proposed that these issues be discussed under "Future Meetings" on the agenda. He stated that he would like to meet with J. Zarnoch and J. Hamill to begin setting up the Base Realignment and Closure (BRAC) Cleanup Team.</p> <p>J. Broderick stated that the RWQCB, according to Federal Facility Agreement (FFA) rules, is supposed to review MCAS El Toro fact sheets prior to publication and this opportunity was not given them for the last fact sheet. J. Dolegowski responded that this particular fact sheet had gone through six drafts with every intention to include everyone. J. Broderick requested that they see the fact sheet 48 hours prior to publication.</p> <p>A. Piszkin mentioned that Jim Pawlisch/Code 18 had authorized the establishment of a new position - Public Affairs Officer for MCAS El Toro. He also said that CLEAN contractors can't put public notices in the newspaper. The Navy will have to do this from now on.</p> <p>J. Zarnoch questioned whether Roy Herndon/OCWD had been invited to the meeting. A. Piszkin replied that he had not, but R. Herndon has been given updates on the status of the OU-1 groundwater modeling over the past few months.</p>

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J. Zarnoch asked about the status of the wellhead placards to identify wells that produce contaminated groundwater. Chrisa Mitchell/MCAS El Toro replied that the City of Irvine was supposed to install the placards. The last time she spoke with the City, they had made signs but had not yet installed them.

The status of a recent incident near Site 6 was updated by C. Mitchell. She explained that the workers were overcome by fumes when excavating through concrete near Site 6. It was found to be an old oil-water separator. V. Parpiani said they could not identify the smell, however they believe it was decaying matter. The MCAS El Toro Safety Officer came out and took air samples. V. Parpiani stated that the area in question is more than 30 feet from the Installation Restoration Program (IRP) site.

J. Zarnoch requested they add discussions of underground tanks to the agenda. A. Piszkin replied that this will be discussed as part of the BRAC Cleanup Plan (BCP).

BRAC Cleanup Plan

Mike Arends/CH2M HILL said they had been given the notice to proceed on the BCP on 23 December 1993 and had since been selecting the project team. During the next 2 to 3 weeks, they will be collecting existing information and putting it into a database. He asked that there be a meeting with the RPMs around mid-February to identify data gaps and set direction. The first draft of the BCP is due on 31 March 1994.

J. Hamill voiced concern that Navy contracting has been a stumbling block for progress at El Toro. J. Hamill stated that Contracts has continually delayed work, affecting schedules. J. Allen responded that there was a misunderstanding on what shape the BCP would be in by 31 March 1994. They had felt it was better to commit time for comment up front rather than later. J. Allen added that two rounds of negotiations were conducted, and now there is a clear vision of what is needed. A. Piszkin stated that the regulatory agencies have not been involved in the scoping process. He stated they will start doing this by having the agencies attend the technical proposal conference. G. Garelick added that the responsibilities in the BCP will be divided up; the agencies will be resources and participate in writing. They will not give all the work to the consultants.

A. Piszkin stated that the Environmental Baseline Survey (EBS), the BCP and CERFA reports must all be out by 31 March 1994. The CERFA report summarizes the clean parcels. C. Mitchell is already trying to get clearance for a parcel for Caltrans. J. Zarnoch stated that they are in the process of issuing comments on the final RCRA Facility Assessment (RFA) report and that some of these comments affect the BCP. M. Arends replied that the remaining concerns will be addressed by BRAC.

A meeting date was set for 15-18 February at CH2M HILL. G. Stewart stated that base compliance people are needed for the meeting. J. Broderick commented that compliance issues are extremely important for the BCP. They may take up to two-thirds of the document. J. Broderick stated that the RI/FS and RFA are relatively minor and would like the state form filled out for underground storage tanks (USTs). Darrel Hernandez/CH2M HILL said he needed a copy of the form to direct a file search. J. Zarnoch will provide forms on USTs to Mike Arends. J. Broderick stated that the tank compliance programs were complex. He suggested meeting with the compliance

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program people at El Toro. A. Piszkin added that CH2M HILL needs to meet with RWQCB to make sure all needs are identified. C. Mitchell said that the main compliance person on tanks is George Martinez.

J. Zarnoch asked whether samples (borings) were taken in the center of the yard at DRMO #3. D. Hernandez replied that samples had been taken there as well as in other stains identified at the yard. J. Zarnoch asked what the analyses were. M. Arends replied that it was probably full scope of parameters, but he would need to check.

OU-1 Feasibility Study and Groundwater Modeling

Hooshang Nezafati/CH2M HILL distributed a handout (attached) summarizing work performed to date and work in progress for the OU-1 groundwater modeling task for the MCAS El Toro RI/FS.

He provided a brief background discussion of the groundwater modeling requirements for the OU-1 FS for the benefit of those people who are new to the MCAS El Toro project. He stated that the OU-1 groundwater modeling is evaluating the regional volatile organic compound (VOC) groundwater contamination emanating from MCAS El Toro. The MCAS El Toro team was tasked to evaluate the remedial alternatives needed to meet the OU-1 FS objectives.

Three alternatives are being evaluated: 1) No Action; 2) The Orange County Water District (OCWD) Desalter Project; and, 3) the Desalter Project plus shallow extraction alternatives. OCWD previously concluded by use of their groundwater model that the Desalter Project with seven proposed extraction wells and a projected capacity of 7.3 million gallons per day (mgd) would effectively capture the VOC contamination. Since their study was performed prior to the completion of the Phase I RI field investigation, they did not have the benefit of utilizing the site-specific information in their groundwater model. The MCAS El Toro team was tasked to evaluate the OCWD groundwater model, refine it as necessary in light of the Phase I RI data, incorporate Phase I RI data, recalibrate the refined model, and use the model as a tool to evaluate the Desalter alternative, as well as a number of additional remedial alternatives.

A. Piszkin asked if the CLEAN Team had verified the OCWD model results. H. Nezafati replied essentially yes, but there are a few concerns (listed below).

- o The time required by the Desalter Project to capture the shallow contamination; it may take more than 20 years.
- o "Smearing" of contaminants within the aquifer, because the Desalter wells would eventually pull down the VOC contamination through more fine-grained silty/clayey formations down to previously uncontaminated zones.
- o The "economics" of treating the large volume of groundwater with lower VOC concentrations with the Desalter Project alone, as opposed to extracting the low volume high concentration shallow contamination locally in addition to the Desalter Project. He

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emphasized that it is more cost effective to treat smaller volumes of water with higher concentrations.

- o The long-term feasibility of the Desalter Project due to concerns regarding the long-term yield of the Irvine Subbasin. Under current pumping conditions, the basin is exporting water out of the basin. If the Desalter Project is implemented as planned, it would eventually require that more water be imported from the adjacent basin. The basin may be depleted from its useful capacity if long-term groundwater management measures, such as artificial recharge, are not seriously considered.

J. Zarnoch questioned whether localized extraction wells were included for the northern benzene plume as one of the alternatives. D. Richards responded that because the Desalter is going on-line in 1996, there needs to be shallow extraction wells in place in the southwest quadrant to prevent the smearing of contaminants. She felt that other locations outside of the southwest quadrant could be dealt with later. John Dolegowski/CH2M HILL added that when we acquire more information after Phase II, the design for the more remote locations can be optimized. J. Broderick stated that there will be a long lag time before remote sites are affected. J. Zarnoch expressed concern that if the other problems such as the fuel plumes at the tank farms and the TCE at Site 2 were not handled now, it may be years before they are dealt with. D. Richards responded that OU-1 was separated out and is progressing more rapidly in order to proceed with the Desalter project. She added that Sites 2, 3 and 4 are more properly included in OUs 2 and 3.

Soil Gas Investigation

J. Dolegowski briefly summarized the field test of a vibratory method to install soil gas probes completed at MCAS El Toro by Target Environmental Services on 29 December 1993. J. Zarnoch expressed concern with the amount of time required to hand auger to 7 feet, as required by JEG Standard Operating Procedures (SOPs) to check for utilities. J. Dolegowski expressed concern over the sideways flexing of the probe within the auger hole. J. Zarnoch said this could cause problems in that it would be difficult to get a seal. S. Beard added that this is made worse because the tip head is larger than the probe diameter. This allows air to migrate in. J. Dolegowski replied that this is necessary or else swelling clays can cause difficulties in retracting. S. Beard commented that the traditional "push" methods seem to work well or even better than this method. J. Dolegowski responded that Yueh Chuang/CH2M HILL felt the same way and that he would, therefore, request the traditional hydraulic push method of probe installation. A. Pizskin expressed concern over what the "normal" production rates would be. S. Tindall commented that the normal rate is 30 seconds/foot.

S. Beard expressed concerns with Target's lab techniques. Target said during the demonstration that they could hold samples for one week prior to analysis. S. Beard would like to see this time reduced. S. Tindall explained that Target did 1 million dollars worth of soil-gas work at MCLB Barstow through Jacobs and that their work met Navy requirements. J. Broderick said that Marine Corps Camp Pendleton also used Target, and they were fine. J. Dolegowski explained that the lab can be set up in

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different ways. For the soil gas investigation planned for MCAS El Toro, an onsite mobile laboratory will be used for soil gas analysis. Splits will be sent out to be tested.

S. Beard expressed further concerns with protocol. She asked whether there would be a Soil Gas Work Plan for review. J. Dolegowski gave a breakdown on the soil-gas survey schedule. The fastest time in which it could be completed is four months. Agency review and revision of the Work Plan would add another two months. S. Beard mentioned that she likes the idea of communicating during preparation of the Work Plan. J. Dolegowski agreed and suggested they focus on the areas of greatest concern. A. Piszkin said there will be a reduction in the scope of the soil gas investigation compared to that proposed to the agencies in August 1993. J. Broderick stated that they should start where the main areas are and expand out, not limit the number of sample points. A. Piszkin responded that they had budgeted 500 locations in the current cost proposal, and it would not be possible to change the scope back to the 1,500 locations proposed in August without additional time delays.

S. Tindall expressed concern about the impact of the concrete tarmacs on the soil gas data. He said that during the August 1993 RPM meeting, the agencies suggested installing probes around the tarmac at different depths. J. Dolegowski responded that they had talked to Target about this and Target did not think perimeter sampling would work. S. Tindall commented that he sees funding and time as the major problems.

J. Hamill proposed leaving CH2M HILL to discuss the details of the soil gas survey with LCDR Serafini to come up with a proposal. S. Beard expressed concern that an on-site lab was needed. She also suggested having a meeting to discuss preliminary ideas and outline a work plan together. At A. Piszkin's request, J. Dolegowski distributed the Technical Proposal submitted to SWDIV for the soil gas investigation. S. Beard asked to discuss the 500 soil-gas locations later. J. Broderick responded that he would like to have operations people present when the soil-gas survey is discussed.

S. Tindall commented that "it seems like the Navy limits the field work to the amount of money they have and this seems like a problem." Chuck Elliott/CH2M HILL responded that there is a limited amount of funding. Following this discussion the regulatory agencies requested a caucus for 20 minutes.

Field Screening

J. Hamill commented that Bruce Peterson/CH2M HILL had given a proposal at the August 1993 RPM meeting on a field screening approach that they liked. J. Hamill added that he would like to see a comprehensive field screening/soil gas survey done for all sites at the Station. C. Elliott responded that the techniques to do so are sufficiently expensive that the survey must be limited to specific areas. S. Tindall stated that he believes vendors can deliver massive numbers of data points for the same amount of cost. J. Hamill conceded that the issue of cost is a reality and this must be resolved first. J. Hamill suggested that cost issues be discussed at the meeting with Al Robbat/SiteWorks and Ned Tillman/Target Environmental planned for the following day.

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	<p>J. Dolegowski passed out a technical memorandum on the evaluation of field screening for Phase II of the MCAS El Toro RI. C. Elliott stated that there are some technical limitations in the use of the field screening data generated from the mobile mass spectrometer (MS). J. Dolegowski stated that after looking at the cost issue carefully and talking to Al Robbat, the lowest cost that could be obtained for the onsite MS analysis is 40 percent of the cost of a fixed laboratory analysis. He added that the generic work plan prepared by SiteWorks and Target is based upon MCAS Yuma, which is a significantly smaller site than MCAS El Toro. J. Dolegowski requested that the team read the Field Screening memo this evening. J. Hamill asked to set up a separate meeting after tomorrow for this in order to reach a consensus.</p> <p><u>Transition of the RI/FS from the CLEAN I to CLEAN II Contract</u></p> <p>A. Piszkin explained that there is a proposal for MCAS El Toro to transition the RI/FS to CLEAN II because the CLEAN I contracting capacity is insufficient to complete all RI/FSs in progress. He added that the Navy has had a meeting with Rich Seraderian/EPA regarding the transition as well as the conflict of interest issues related to the use of Bechtel Corporation for the CLEAN II Contract due to Bechtel's current technical support contract with EPA for the MCAS El Toro site. A. Piszkin passed out an issue paper (attached) regarding one of six total options to which they think the Navy and EPA will agree.</p> <p>A. Piszkin stated that he had asked CH2M HILL to put together a summary response of the regulatory agency comments on the Phase II Work Plan. J. Hamill said he understood that EPA was going to have a say in this. A. Piszkin talked about the issue of how one consultant does not like to implement the work plan of another consultant, and, therefore, there is an option for Bechtel to write the revised Phase II Work Plan based on the comments.</p> <p>J. Zarnoch expressed a concern about the conflict of interests. S. Tindall responded that when the Bechtel CLEAN II contract is started, he won't be working as EPA's consultant.</p> <p>A. Piszkin stated that when the CLEAN II contract begins, Bechtel will be the Team's contractor (i.e. Bechtel will be available to complete work for the Navy, the State, and EPA). J. Broderick asked whether CH2M HILL would be available as the Team's consultant for the remainder of the OU-1 work. He asked that this be considered. J. Dolegowski stated that CH2M HILL wants to get as much input as possible from the agencies so that everyone is on board. D. Richards added that the OU-1 RI and FS documents will be out for agency review in few months. A. Piszkin explained that the focus of the coming years will be to bring the agencies into the budget process.</p> <p><u>Site 8, Stratum 3 Soil Pile</u></p> <p>A. Piszkin explained that in December 1993, the top ten inches of Stratum 3 were excavated from Site 8 by a paving contractor and were placed on the slopes of Bee Canyon Wash. The soil was identified during the Phase I RI to be contaminated with PCBs. When C. Mitchell became aware of this action, she requested that the soil be overexcavated, stockpiled nearby, and covered. The soil pile is approximately 260 cubic yards. S. Tindall asked if LCDR Serafini had given permission for the removal of</p>

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	<p>this soil from Site 8. J. Hamill wanted to know what could be done to ensure this does not happen again.</p> <p>A. Piszkin said they are sampling the piles of soil, to see if it's hazardous waste. He explained that they don't want to move it too much as it may contain high PCBs and other chemicals. A. Piszkin asked for input from the team on what to do. J. Zarnoch replied that if you sample now, the magnitudes will probably be lower because it's now been mixed with clean soil. S. Tindall asked how the sampling would be done. J. Zarnoch replied that three dimensional sampling could be done with one sample for every 25 cubic yards. He recommended sampling for metals, PCBs, and semivolatiles, but not VOCs. A. Piszkin asked that J. Zarnoch and C. Mitchell work out the protocol for sampling the soil pile.</p> <p>S. Tindall asked if the soil could be put in bins which could be located on top of Stratum 3 in Site 8 and treated later with the rest of the soil from Stratum 3 at Site 8. A. Piszkin and J. Dolegowski responded that the Navy needs to perform removal actions now because the volume is too great to return. J. Broderick added that if the soil is disposed of in a municipal landfill, then a liner is needed and a Subchapter 15 Closure must be done. S. Tindall expressed concern with the high cost of sampling.</p> <p>J. Hamill asked what has been done since the incident to stop this from happening again. C. Mitchell replied that they must now get verbal permission prior to disturbing soil at an RI site. S. Tindall questioned why placards are not put up at all the RI sites. J. Hamill requested written approval prior to action, not just vocal.</p> <p>A discussion of the agenda followed and it was decided that the subject of meetings would now be addressed. A discussion of the regulatory comments on the Phase II Work Plan will be delayed to a later date.</p> <p><u>Content of the First RAB Meeting</u></p> <p>A. Piszkin went over the agenda for the first meeting of the Restoration Advisory Board (RAB), scheduled for later in the evening (14 January 1994). He stated the goals of the meeting were to educate the community regarding base closure and cleanup and talk about the RAB. A discussion of how to identify people to be on the committee followed. J. Broderick stated there can be anywhere from approximately nine to twenty people on the committee. A. Piszkin distributed a handout regarding the RAB. He stated that the applications for RAB membership were due on 14 February 1994 and the final decision would be announced on 23 February 1994.</p> <p>It was agreed that A. Piszkin, J. Hamill, J. Broderick, and J. Zarnoch would meet in San Francisco on 27-28 January 1994. S. Tindall proposed the four managers go over comments to the Phase II RI documents.</p> <p>The next Manager's meeting was scheduled for 08-09 February 1994 at MCAS El Toro. It was decided that strategies for the BCP would be among the items discussed at this meeting.</p>

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Attendance List

Jeff Allen - Code 0232.JA
 *Mike Arends - CH2M HILL/SCA
 Sherrill Beard - DTSC
 John Broderick - RWQCB
 John Burleson - CMC(LFL)
 Jane Diamond - EPA
 John Dolegowski - CH2M HILL/SCA
 Chuck Elliott - CH2M HILL/SAC
 *Ginny Garelick - Code 1853/VC
 John Hamill - EPA
 *Darrel Hernandez - CH2M HILL/SCA
 Renée Jenneskens - CH2M HILL/SCA
 *Kris Key - Code 1831.KK
 Liz Miesner - CH2M HILL/SFO
 Chrisa Mitchell - MCAS El Toro
 Hooshang Nezafati - CH2M HILL/SCA
 Vish Parpiani - MCAS El Toro
 Andy Piszkin - Code 1831.AP
 Davi Richards - CH2M HILL/CVO
 Gary Stewart - RWQCB
 Sebastian Tindall - Bechtel Corp.
 Joe Zarnoch - DTSC