

M60050.001023 MCAS EL TORO SSIC # 5090.3	PROJECT NOTE NO. PN-0145-69 CLE-C01-01F145-I2-0056	PROJECT NO. 01-F145-H6 <i>M60050.001023</i>
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CONFIRMATION OF:	CONFERENCE X	DATE HELD	12-13 January 1993
	TELECOM	DATE ISSUED	10 February 1993
	OTHER	RECORDED BY	Chuck Elliot/CH2M HILL
		PLACE	San Diego, California
SUBJECT	Remedial Project Manager (RPM) Meeting Minutes CTO No. 145, MCAS El Toro RI/FS CTO No. 193, MCAS El Toro RCRA Facilities Assessment		

PARTICIPANTS: (* DENOTES PART-TIME ATTENDANCE)

See page 11

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	<p>A Managers' Meeting was held on 12 January 1993 from 900 hours to 1600 hours and on 13 January 1993 from 800 hours to 1500 hours at the San Diego office of CH2M HILL. In attendance were representatives from Marine Corps Air Station (MCAS) El Toro; Naval Facilities Engineering Command, Southwest Division (SOUTHWESTDIV); U.S. Environmental Protection Agency (EPA); California Environmental Protection Agency, Department of Toxic Substances Control (DTSC); California Regional Water Quality Control Board, Santa Ana Region (RWQCB); Bechtel Corporation (EPA's consultant); and the Jacobs Team (Jacobs Engineering Group [JEG] and CH2M HILL). These meeting minutes provide a summary of the items discussed at the meeting. A list of the attendees is provided at the end of these minutes. A copy of the agenda is attached.</p> <p style="text-align: center;">TUESDAY, JANUARY 12, 1993</p> <p>Partnering Issues</p> <p>The following partnering issues were brought up by team members:</p> <ul style="list-style-type: none"> o Navy concern over the timing and tone of the letter from the RWQCB regarding the exposed banks at the Magazine Road Landfill. o DTSC concern that the Navy may eliminate constituents or rounds from the ongoing groundwater monitoring efforts. o Regulatory agency concern over aspects of the December 1992 MCAS El Toro site tour; e.g., the size of the tour group, being divided into three vans, confusion over when the tour was to start, and concern that the tour lacked depth.
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- o DTSC concern that not all members of the team were present at the Graphic Planning Meeting.

John Hamill/EPA pointed out that the key to good partnering is communication. Amir Matin/JEG observed that the Number 1 rule of team-building is not to question each other's intent, but to be understanding of each other's limitations.

Team Phone List and Graphic Plan

SOUTHWESTDIV distributed a copy of the new phone list to all team members (attached). Corrections were noted and a new phone list will be distributed at the February 1993 Managers' Meeting. LCDR Larry Serafini/MCAS El Toro suggested that correspondence to MCAS El Toro should be addressed to the Commanding General with an "Attention" line to the appropriate respondent.

A typed revision to the Graphic Plan was also distributed to team members (attached). LCDR Serafini suggested that more time should be spent on the Graphic Plan. For example, the term "quality" should be defined. Desi Chandler/Code 1812.DC suggested that the Graphic Plan be put on the agenda for the February 1993 Managers' Meeting.

Phase I RI Technical Memorandum Format

Sylvia Ross/CH2M HILL distributed a copy of the proposed outline of the Phase I Technical Memorandum (Tech Memo) (attached) to the team members, and discussed its contents. She said that she would add a list of acronyms, and put the References in Section 9, so that the appendixes would all be contained in Volume 2.

LCDR Serafini requested that the Phase I RI Tech Memo summarize the key points of the report in about eight pages. Graphics should be included. LCDR Serafini wondered whether Section 1.3--Regional Background Information--could be deleted. John Dolegowski/CH2M HILL said that the Tech Memo was supposed to be a stand-alone document and background information was, therefore, needed. John Broderick/RWQCB pointed out that Section 1.6--Individual Site Descriptions and Boundaries--should document the changes in site boundaries established in the SAP Amendment.

John Broderick pointed out that the MCAS El Toro RCRA Facilities (RFA) Report will still be in draft form when the Phase I RI Tech Memo is released. There should therefore be a disclaimer in Section 5 (the RFA section). Eventually, the RFA Report should be an appendix to the Tech Memo, even if only by reference.

John Dolegowski asked what Section 7--Baseline Risk Assessment--should be called. After discussion, the team agreed on "Preliminary Baseline Risk Assessment". Amir Matin/JEG pointed out that the real goal of Section 7 is to develop Preliminary Remediation Goals.

Manny Alonzo/DTSC proposed that the title of the report should be changed to "Site Characterization Report", since it will not contain a Baseline Risk Assessment. The team agreed to not change the report name. John Dolegowski said that originally the

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report was designed merely as a data dump with little data analysis due to the short time available to complete the report. With the new Federal Facilities Agreement (FFA) schedule, the Jacobs Team is now trying to approach a full-scale RI Report, but will depart from a complete RI Report in several areas, including the Baseline Risk Assessment. Sebastian Tindall/Bechtel Corporation observed that Section 7 needs to be defined clearly, so that nobody is disappointed. Liz Miesner/CH2M HILL suggested that CH2M HILL write a proposal for what the section will contain, have it reviewed by the Navy, and present it at the February 1993 Managers' Meeting. The team agreed to this. Andy Piszkin/Code 1812.AP said that he would prefer that the section contain as much risk assessment as possible with the existing data, and identify gaps that should be filled in Phase II. John Broderick agreed, and said that this needs to be done quickly, because risk assessment gaps need to be filled during the DQO process.

LCDR Larry Serafini asked why Site 18 was not included in Appendix A, since Chapter 3 is described as only a summary of Site 18. Sylvia Ross/CH2M HILL responded that Chapter 3 was meant to be complete. Andy Piszkin said that it would be good if there would be two volumes to the report: Volume 1 would summarize the data and be portable, while Volume 2 would contain the data. These volumes could be contained in 3-ring binders. Lcdr Serafini suggested that Appendix A should be devoted to Operable Unit (OU)-1, while Appendix B should be devoted to OU-2 and OU-3. The team also agreed that the appendixes should use 8 1/2 x 11-inch or 11 x 17-inch figures, at the same scale if possible.

Manny Alonzo said that we need to add an appendix for the lab data. Sylvia Ross responded that this appendix would be huge, consisting of thousands of pages. Sebastian Tindall pointed out that the data will be available electronically on disk. Manny Alonzo and John Broderick said that they will need the raw data at some point during the Draft RI Report. Also, this data must go into the Administrative Record. Larry Serafini proposed sending a disk copy to the regulatory agencies, and a paper copy to the federal repository at Laguna Niguel. Manny asked whether microfiche would be a solution? John Broderick said this issue needs further discussion. The team agreed to provide additional feedback to the Navy on this subject.

Review of Action Items From Previous Meetings

Larry Serafini began the afternoon session by reviewing action items from previous meetings. One of these concerned the costs and benefits of Level III versus Level IV data. John Dolegowski agreed to ask Artemis Antipas/CH2M HILL to provide this information to the team at the next meeting. On the subject of other action items, Manny Alonzo said that he had provided a list of chemicals used at Norton AFB to CH2M HILL. Lcdr Serafini said that he had provided a copy of the MCAS El Toro Master Plan to CH2M HILL, to obtain a land-use scenario for use in risk assessment, and explore "institutional control" as a remedial alternative. Manny Alonzo said that a residential use scenario may have to be used. Liz Miesner said that other scenarios may be used in accordance with EPA guidelines. Lcdr Serafini said that he would ask the person responsible for the Master Plan to prepare a presentation for the February 1993 Managers' Meeting.

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Items Data Management System

Andy Piszkin said that the establishment of the ITEMS Data Management System was being addressed in Contract Task Order (CTO) No. 259. The earliest it would be operational would be by the end of May 1993. All of the data being gathered at CLEAN sites will be contained on a database managed by SOUTHWESTDIV, with a master database at JEG in Pasadena. Users (e.g., regulatory agencies) will have access to the data through a modem. Although the system is being designed to be user-friendly, users will have training on its use as part of the CTO. Ultimately, a user will be able to call up the database, read data, and manipulate it to obtain data files, summaries, and graphics. Manny Alonzo said that it would be good to have a person at SOUTHWESTDIV responsible for keeping the database, so that they could be contacted if users are having difficulty. John Hamill/EPA wondered whether California representatives would still need hard copies of the data if they can call the database? Manny Alonzo said that they would, but microfiche would be sufficient. John Dolegowski said that the CTO No. 145 database is currently EDMS/I, not ITEMS. If the agencies have requests for data before the ITEMS system goes on line, they can request them through Andy Piszkin.

RFA Logic Diagram

Lee Simon/Code 1852.LS distributed and discussed the Draft RFA Logic Diagram (attached). Lee Simon asked whether the agencies had other decision trees that they could use in refining the diagram. John Broderick said yes, and that he would send a copy. Mike Arends/CH2M HILL pointed out that decision trees do not always have application to complex sites. John Broderick observed that non-petroleum sites are driven by risk-based criteria, while petroleum sites are not. The tough question is deciding whether groundwater is potentially impacted in order to trigger a No Further Action response. Discussion then centered over whether this question should be answered through use of leachability models, through development of criteria, or by reliance on professional judgement. Because of time constraints, it was decided to ask Mike Arends to use his best professional judgement for the RFA, recognizing that additional studies may have to be made later. Lee Simon and the SOUTHWESTDIV Technical Branch will present the finalized Logic Diagram at the February 1993 Managers' Meeting.

RI/FS Progress

John Dolegowski provided a summary of recent progress on the RI/FS by quickly reviewing the December 1992 monthly report. Field work has been substantially completed with the exception of drilling at Site 17, and data analysis and report preparation is in progress.

RFA Progress

Mike Arends provided a summary of recent progress on the RFA. The RFA team is working on the RFA Report. Because the RFA Report is due on March 18, 1993, the data will not be validated in the Draft RFA Report. Mike Arends then summarized some of the sampling results. To date, there had been few instances of detected contaminants in samples. The only volatile organic compounds (VOC) detected so far

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are at the former incinerator site. Petroleum hydrocarbons have been detected at about four other sites. The final data should be arriving from the laboratories in about a week. John Hamill requested that a map be put up on the wall for future field updates. Andy Piszkin asked Mike Arends to provide the team an update of potential sites that may be included in OU-4 at the February 1993 Managers' Meeting.

Repair at Site 2 - The Magazine Road Landfill

LCDR Serafini asked the team whether the exposed cut-face at the Site 2 landfill should be remediated on a temporary or permanent basis. He postulated that the residential development upstream from the landfill is partly responsible, since this development caused the storm discharge to increase. MCAS El Toro had raised this objection before the development was built. John Hamill said that MCAS El Toro may have a case. John Broderick said that the RWQCB was thinking of an interim fix with rip-rap. LCDR Serafini proposed that CH2M HILL design a remediation involving a gabion and fill and an impermeable liner as a removal action. John Broderick said that the RWQCB would support this solution, although it had not officially requested an immediate removal. The team agreed that LCDR Serafini's proposal was acceptable. Sylvia Ross reported that TCE had been found in a groundwater sample collected from a well downgradient from Site 2.

LCDR Serafini summarized the discussion and action items agreed upon during the meeting so far, and the team adjourned for the day.

WEDNESDAY, JANUARY 13, 1993

Applicable or Relevant and Appropriate Requirements (ARARs)

Sebastian Tindall began by saying that he felt the ARARs issue was very complex, and the team was not qualified to select them. Manny Alonzo responded that under the terms of the FFA, the agencies are supposed to submit a list to the Navy. The Navy reviews the list and responds. This response should be made before the Draft RI Report. The State has submitted such a list. John Hamill confirmed that the EPA had also submitted a list. Andy Piszkin said that the Navy had these ARARs lists on file, and that Navy attorneys would review them. It was agreed that CH2M HILL would also review the list, and then the Navy would send letters to the agencies. It was also agreed that the team would schedule an ARAR meeting.

LCDR Serafini pointed out that one of the Technical Teams was supposed to examine ARARs as part of the Data Quality Objectives (DQO) process. Sebastian Tindall suggested that these teams be eliminated, because they add too much redundancy to the process. It was agreed that Jacobs Team would go ahead and do the work of these Technical Teams. The "leads" designated for these teams would be "coordinators" and be used as resources, but they would not to manage the activity. Andy Piszkin said that the DQOs will be managed by the Jacobs Team, and they will proceed as soon as funding is available.

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Contracting and Funding for 1993 Tasks

Andy Piszkin distributed a schedule of 1993 and 1994 tasks needed to support the MCAS El Toro RI/FS (attached). He pointed out that the current budget allowed for only one more round of groundwater samples for VOC and inorganics analyses. Sebastian Tindall then reviewed the list of deliverables during 1993. Andy Piszkin pointed out that OU-4 would be blended with OU-2 and OU-3 planning efforts for future field work.

The Road to ROD for OU-1

Larry Serafini began the discussion by reviewing the history of the Desalter Project and its relationship with MCAS El Toro. He then expressed the desire of MCAS El Toro to fast-track the Record of Decision (ROD) for OU-1 in order to expedite their participation in the Desalter Project. The immediate tasks for the team were to define OU-1, decide what additional groundwater modelling is needed, if any, and define the remedial objectives for OU-1.

Groundwater Modelling to Support the OU-1 FS

Andy Piszkin continued that he had contacted Rich Freitas, a groundwater specialist at EPA. Rich Freitas indicated that he approved of the use of the MODFLOW groundwater model to evaluate the impact of the Desalter Project. MODFLOW was previously used by Orange County Water District (OCWD) to model the effect of the Desalter Project pumpage. The model is two-dimensional (2-D), it is conservative and would underestimate the capture zone of the Desalter wells. Manny Alonzo said that the state usually prefers 3-D models. Also, a 3-D model would better define the volumes of water needed for treatment. This may save the Navy money. LCDR Serafini responded that this is a moot point, because the Desalter will go online anyway.

John Dolegowski said that the existing OCWD model may need to be modified to reflect Phase I field data before it could be used to model remedial alternatives. Andy Piszkin agreed that an upgrade instead of a new model may accelerate the Feasibility Study (FS) process. John Broderick expressed concern that the discussion was proceeding in a vacuum without having data to look at. The critical issue is whether the Desalter Project will capture 100 percent of the plume. In addition, the Navy could be assuming responsibility for other potential sources of groundwater contamination if they participate in the Desalter Project due to the large size of the capture zone. Andy Piszkin responded that an evaluation of the existing data will take place in June 1993. Chuck Elliott/CH2M HILL said that if, while observing the response of groundwater system after the Desalter goes on-line, it turns out that 100 percent of the plume is not being captured, then the extraction system can be altered, or additional wells can be drilled. A ROD would not prevent that from happening.

John Hamill said that a representative of OCWD should participate in the discussion. LCDR Serafini responded that OCWD feels confident that the Desalter Project will take care of the problem. OCWD has obtained governmental approval through the permitting process, and have indicated that they will share their modeling information. MCAS El Toro believes that it is more cost effective to participate than not. John

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Broderick repeated that the FS must demonstrate that the Desalter will capture 100 percent of the plume. Manny Alonzo repeated that he is not sure that the existing model will adequately evaluate this 100 percent capture. He will consult with modelers at DTSC.

John Broderick and Manny Alonzo agreed that the State may accept the 2-D model. Davi Richards/CH2M HILL said that we need to address questions such as whether the Desalter will temporarily make the situation worse. The FS may suggest modifications to the design of the Desalter Project. Sebastian Tindall said that he is worried about contaminants other than VOCs that may be out there. The Desalter treatment system may not be able to treat these contaminants. Davi Richards responded that this issue will need to be examined later when the Phase I data are in. The team concluded that we will proceed with the existing OCWD groundwater model until the data are all in. The regulatory agencies will support the model, with reservations, until then.

Flow Chart to Reach a ROD for OU-1

Andy Piszkin asked for agency comments on the "Road to ROD" and explained a flowchart detailing the process (attached). He added that the Navy hopes to be able to influence the Desalter design if necessary. Larry Serafini said that he hoped it would not be necessary to add more monitoring wells for OU-1. John Broderick said that more wells may be necessary for plume definition and we have not discussed the issue of the potential presence of dense non-aqueous phase liquids (DNAPLs). Davi Richards said that we need to wait for the data.

OU-1 Definition

Andy Piszkin said that he had spoken with Walter Sandza/Code 185, who was part of the MCAS El Toro RI/FS at the beginning. Walter Sandza said that he felt the definition included only VOCs in off-Station groundwater. John Hamill responded that according to the terms of the FFA, OU-1 comprises contaminated groundwater on or off-Station. John Dolegowski pointed out that if the team agrees to limit OU-1 to off-Station groundwater, it will greatly expedite the ROD, because it will be much easier to demonstrate that the Desalter Project remediates offsite groundwater contamination than onsite contamination. Davi Richards suggested putting together a position paper that defines OU-1, OU-2, and OU-3 for discussion at the February 1993 Managers' Meeting.

Two Rounds of Groundwater Monitoring to Support OU-1 ROD

Andy Piszkin then made a proposal to the team that the Navy conduct two rounds of groundwater sampling in existing monitoring wells with the same set of analyses as in Phase I (one additional round of sampling); that the Baseline Risk Assessment for OU-1 rely on these two rounds of sample data; that the FS propose an ongoing monitoring network for OU-1; and that the Preliminary Baseline Risk Assessment be retained in the Phase I Tech Memo. Davi Richards added that the team should keep in mind that a mechanism is built into the ROD to adapt to additional information and changes as they occur. LCDR Serafini commented that additional wells could be constructed as part of the Remedial Design/Remedial Action (RD/RA) after the ROD. John Hamill said he would tentatively approve this course of action pending a

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reassessment in May or June 1993 after the Tech Memo has be completed. Manny Alonzo felt that two rounds of complete groundwater data, plus the historic OCWD data, should be sufficient to perform risk assessment on OU-1. John Broderick said that the EPA risk assessors need to be contacted to ensure that they will accept the historic OCWD data as part of the Risk Assessment.

The team concluded that Davi Richards would prepare a position paper that summarizes the consensus reached today for discussion and approval at the next Managers' Meeting. Liz Miesner would contact the EPA risk assessors and discuss the validity of historic OCWD and MCAS El Toro data. She would then prepare a position paper summarizing the team consensus on Risk Assessment issues for discussion and approval at the February 1993 Managers' Meeting. Davi Richards added that after defining OU-1 in February, she would propose a list of Remedial Objectives for team discussion and approval at the March Managers' Meeting.

Data Quality Objectives

Chuck Elliott briefly discussed the DQO process, and said that the schedule will be very tight. In order to make the August 1993 deadline for the DQOs, it will be necessary to have the process essentially complete by July 1, 1993. John Broderick commented that it will be difficult to develop DQOs without data in hand. It will be necessary to have summaries of the Phase I environmental data in advance of the Tech Memo. Andy Piszkin proposed doing the DQOs site by site, and working with Sylvia Ross to develop data summaries as each site is addressed.

John Dolegowski expressed his concern that it will be impossible to complete the DQOs in time for the August 1993 deadline. Sebastian Tindall suggested that we prioritize the sites: Develop DQOs for Site 18 (OU-1) first, then the OU-2 source sites. These DQOs would be included in the August draft, together with a "generic" version of the DQOs for OU-3 and OU-4 sites. A revised draft of the DQOs for OU-3 and OU-4 sites could be inserted in the Fall. John Broderick said that the goal is a quality document. If this is done from the beginning, it may save time later in the schedule because of agency participation. Manny Alonzo said that the regulatory agencies could cut their review time of the Draft DQOs from 60 days to 30 days if everyone has agreed on the DQOs in advance. For the Draft Final DQOs, if the revisions made based on agency comments were identified clearly, it could cut the review time from 30 days to two weeks. John Hamill added that the ROD date is firm, but the interim due dates may be adjusted. Sebastian Tindall continued that the FFA calls for a 60-day agency review of the Draft, followed by a 60-day Navy response. This allows four months to work on the document.

Davi Richards asked whether the DQOs for OU-1 could be eliminated? LCDR Serafini responded that OU-1 DQOs are necessary to validate the team's position on OU-1. John Hamill said that the DQO process would make the OU-1 ROD easier. Davi Richards said that the DQOs could be the vehicle for making the June 1993 evaluation as to whether the existing OU-1 data were sufficient to proceed to a RI Report, or whether a Phase II investigation was needed.

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It was concluded that Chuck Elliott would prepare a schedule for completing the DQO process, including what meetings would be required with the regulatory agencies during Spring 1993.

Future Meetings

It was agreed that the next meeting would take place on 17-18 February 1993 at the office of DTSC in Long Beach, California.

Summary of Conclusions

1. The following conclusions were reached regarding the Phase I RI Tech Memo:
 - o The Executive Summary should be brief, about eight pages in length, and use graphics if possible.
 - o There should be a disclaimer in Section 5 (the RFA section) of the Draft Tech Memo that the RFA Report is still in Draft form. Eventually, the RFA Report should be an appendix to the Tech Memo, even if only by reference.
 - o The Baseline Risk Assessment will be referred to as the "Preliminary Baseline Risk Assessment" in the Tech Memo.
 - o Appendix A should be devoted to OU-1, while Appendix B should be devoted to OU-2 and OU-3.
 - o The outline proposed by Sylvia Ross and modified as noted above was approved by the team.
2. The Jacobs Team will use best professional judgement in the RFA in evaluating which sites may require additional investigation. The team will review these decisions.
3. Navy attorneys would review the ARARs lists submitted by the regulatory agencies. The Jacobs Team will also review the list, after which the Navy will send letters of response to the agencies. The team will schedule an ARARs meeting at some future date.
4. The team OU-1 FS will use the existing OCWD groundwater model, if possible, with appropriate modifications after review of the technical basis of the model. The regulatory agencies will support the model unless Phase I data indicate it should not be used.
5. The Navy will conduct one additional round of groundwater sampling with the same set of analyses as in Phase I. The Baseline Risk Assessment for OU-1 can rely on these two rounds of sample data. The FS will propose an ongoing monitoring network for OU-1. The Preliminary Baseline Risk Assessment for OU-1 will be retained in the Phase I Tech Memo.

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6. DQOs will be developed for Site 18 (OU-1) first, followed by the OU-2 sites. These would be included in the August 1993 draft DQO document, together with a simplified version of the DQOs for OU-3 and any OU-4 sites. A revised draft of the DQOs for OU-3 and OU-4 sites may be inserted in the DQO document in Fall 1993.

Action Items

SOUTHWESTDIV

1. A new phone list will be distributed at the February 1993 Managers' Meeting.
2. The Graphic Plan will be put on the agenda for the February 1993 Managers' Meeting.
3. The person responsible for the MCAS El Toro Master Plan will provide a presentation for the February 1993 Managers' Meeting.
4. The SOUTHWESTDIV Technical Branch will present the finalized RFA Logic Diagram at the February 1993 Managers' Meeting.
5. SOUTHWESTDIV will provide a list of future RI/FS contracts with funding data to the regulatory agencies.

Jacobs Team

1. The Jacobs Team will provide a revised outline of the Phase I Tech Memo to the team.
2. The Jacobs Team will write a proposal for what the Preliminary Baseline Risk Assessment section in the Tech Memo will contain, and present it at the February 1993 Managers' Meeting. The Jacobs Team will also prepare a position paper summarizing the team consensus on Risk Assessment issues for discussion and approval at the February 1993 Managers' Meeting.
3. The Jacobs Team will provide a cost/benefit analysis of Level III versus Level IV data and present it to the team at the February 1993 Managers' Meeting.
4. The Jacobs Team will provide the team an update of potential RFA sites that may be included in OU-4 at the February 1993 Managers' Meeting.
5. The Jacobs Team will prepare a position paper that defines each OU and discusses alternatives for the FS for discussion and approval at the next Managers' Meeting.
6. The Jacobs Team will prepare a list of Remedial Objectives for team discussion and approval at the March 1993 Managers' Meeting.
7. The Jacobs Team will prepare a schedule for completing the DQO process for discussion and approval at the February 1993 Managers' Meeting.



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DTSC

1. DTSC will provide a sample table summarizing risk to the team.

RWQCB

1. The RWQCB will provide an example of a decision tree regarding the potential for contaminants in the soil to leach to groundwater and actions that should be taken.
2. The CTO No. 145 Team will provide additional feedback to the team on whether a complete hard copy of laboratory analyses will be required, a microfiche copy is acceptable, or results on the computer database are sufficient.

Participants - 12 January 1993

John Dolegowski/CH2M HILL
Amir Matin/JEG-Pas
LCDR Larry Serafini/MCAS El Toro
Sebastian Tindall/Bechtel Corp.
Mike Arends/CH2M HILL
Chrisa Mitchell/MCAS El Toro
Chuck Elliott/CH2M HILL
Manny Alonzo/DTSC

Jeff Allen/Code 0231.JA
Desire Chandler/Code 1812.DC
John Hamill/EPA
Liz Miesner/CH2M HILL
Sylvia Ross/CH2M HILL
Andy Piszkin/Code 1812.AP
John Broderick/RWQCB
Lee Simon/Code 1852.LS

Participants - 13 January 1993

John Dolegowski/CH2M HILL
Jeff Allen/ Code 0231.JA
LCDR Larry Serafini/MCAS El Toro
Sebastian Tindall/Bechtel Corp.
Sylvia Ross/CH2M HILL
Andy Piszkin/Code 1812.AP
John Broderick/RWQCB

Davi Richards/CH2M HILL
Desire Chandler/Code 1812.DC
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MANAGERS MEETING
MARINE CORPS AIR STATION EL TORO RI/FS
PHASE II PLANNING ACTIVITIES

12 & 13 January 1993
9:00 A.M.

Location: CH2M HILL - San Diego Office
401 B Street, Suite 900
San Diego
619/239-3550 (Christie)

GOALS: Technical Memorandum Report Format
Format for presenting Phase I results to TRC
DQOs: define subteam charters and final products
OU-1 ROD: Discussion of flowchart & requirements

TUESDAY MORNING

Partnering Issues.

- Team Health & Communication Check
- Screening of agenda topics & set time limits

Current Issues- Status and Handouts.

- Handout: Team Phone List & Graphic Plan (SWDIV)
- Handout: Technical Memorandum Report Format (HILL)
- Status: ITEMS Data Mgt System & RFA logic diagram (SWDIV)
- Update: RFA sampling results and progress (HILL)
- Update: RI/FS sampling results and progress (HILL)
-

Contracting & Funding for 1993 Tasks.

- List and schedule of RI/FS associated tasks
- Funding situation

TUESDAY AFTERNOON

Data Quality Objectives.

- define subteam charters
- define final products

WEDNESDAY (0900 start time)

Road to ROD for OU-1

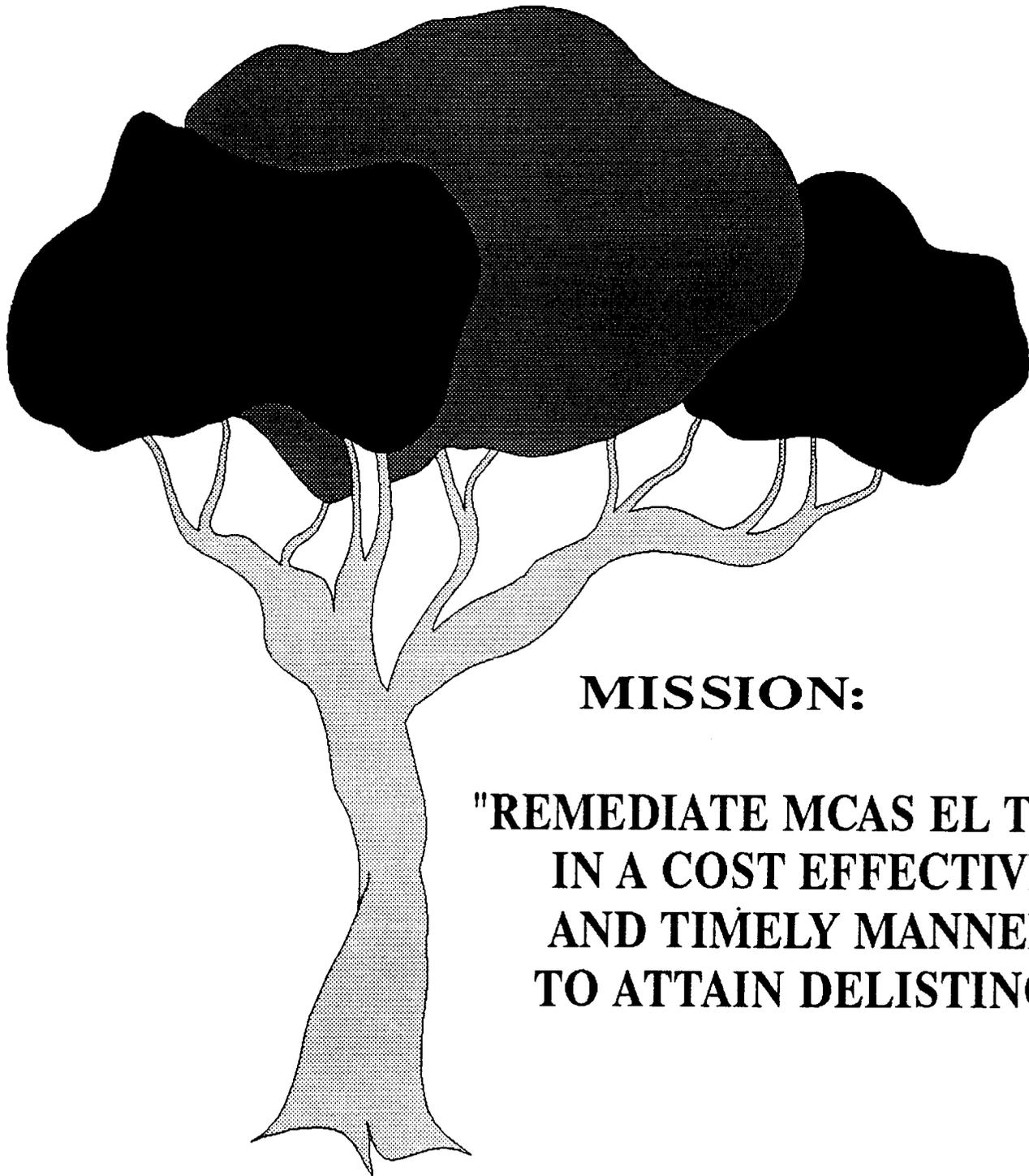
- Desalter status and impacts
- Guidance- EPA & Navy Counsel
- List & degree of agency requirements
(e.g. level of sophistication for groundwater modelling)
- General flow chart

Future Meetings.

- Next Managers Meeting: _____

Meeting Assessment & Reality Check.

- Summarize key points & goals accomplished
- Action Items (what, who, when)
- Assessment



MISSION:

**"REMEDiate MCAS EL TORO
IN A COST EFFECTIVE
AND TIMELY MANNER
TO ATTAIN DELISTING"**

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DECEMBER 30, 1992**

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