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# JACOBS ENGINEERING GROUP INC.

M60050.000871  
MCAS EL TORO  
SSIC # 5090.3

## CLEAN TRANSMITTAL/DELIVERABLE RECEIPT

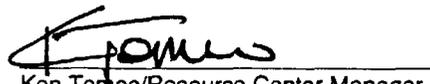
CONTRACT N-68711-89-D-9296

Doc. Control Number: CLE-C01-01F145-I2-0086

TO: Ms. Robin Green  
Contracting Officer, Code 0232  
Southwest Division  
Naval Facilities Engineering Command  
Contracts Department, Room 131  
1220 Pacific Highway  
San Diego, California 92132-5187

DATE: 15-Jul-94  
CTO#: 145  
LOCATION: MCAS El Toro  
TASK/WORK ELEMENT: \_\_\_\_\_

  
John Dolegowski/Project Manager

  
Ken Tomeo/Resource Center Manager

DESCRIPTION: Project Note No. PN-0145-126, Contract Task Order (CTO) No. 145, Soil Gas Survey Meeting,  
Marine Corps Air Station El Toro RI/FS

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

VERSION: \_\_\_\_\_ REVISION #: \_\_\_\_\_  
(e.g., Draft, Draft Final, Final, etc.)

ADMIN RECORD Yes  No  Category \_\_\_\_\_ Confidential \_\_\_\_\_  
(PJM to identify)

NEGOTIATED DELIVERY DATE: \_\_\_\_\_ ACTUAL DELIVERY DATE: \_\_\_\_\_

Number of Copies Submitted to Navy: \_\_\_\_\_

|            |  |   |
|------------|--|---|
| Copies To: | <u>K. Reynolds - Code 18C1 w/attach</u>      | <u>Mike Bitner - CH2M HILL/ABQ w/attach</u> |
|            | <u>A. Piszkin - Code 1831.AP w/attach</u>    | <u>File - PMO w/attach</u>                  |
|            | <u>V. Parpiani - MCAS El Toro w/attach</u>   | <u>File - CTO Notebook/PMO w/o attach</u>   |
|            | <u>C. Mitchell - MCAS El Toro w/attach</u>   | <u>File - CH2M HILL w/attach</u>            |
|            | <u>K. Fredrickson - CH2M HILL w/o attach</u> |   |
|            | <u>K. Tomeo - CH2M HILL w/o attach</u>       |   |

Delivered To: Contracting Officer \_\_\_\_\_ RPM/EIC \_\_\_\_\_

TITLE: SOIL GAS SURVEY MEETING  
AUTHOR: JOHN LOVENBURG/CH2M HILL  
DATE: 07/14/94  
CATEGORY: 11.5

Name: \_\_\_\_\_

|   |                           |
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| PROJECT NOTE NO.<br>PN-0145-126<br>CLE-C01-01F145-I2-0086 | PROJECT NO.<br>01-F145-H6 |
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|                  |  |             |                          |
|------------------|--|-------------|--------------------------|
| CONFIRMATION OF: | CONFERENCE<br>TELECOM           X<br>OTHER   | DATE HELD   | 07 July 1994             |
|                  |  | DATE ISSUED | 14 July 1994             |
|                  |  | RECORDED BY | John Lovenburg/CH2M HILL |
|                  |  | PLACE       | Santa Ana, California    |
| SUBJECT          | Contract Task Order (CTO) No. 145<br>Soil Gas Survey/Meeting<br>Marine Corps Air Station El Toro RI/FS |             |                          |

|  |   |
|--|---|
| PARTICIPANTS: (* DENOTES PART-TIME ATTENDANCE)   |   |
| John Dolegowski - CH2M HILL<br>John Broderick* - RWQCB<br>Dante Tedaldi - Bechtel, National, Inc.<br>Sherrill Beard - DTSC | Pat Brooks - Kleinfelder<br>Andy Piszkin - Code 1831.AP<br>John Lovenburg - CH2M HILL |

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The initial intention of this meeting was soil gas only. At the request of the agencies, RPM issues were briefly reviewed despite the absence of some members from Southwest Division, Naval Facilities Engineering Command (SWDIV), Marine Corps Air Station (MCAS) El Toro, and California Environmental Protection Agency (CalEPA) Department of Toxic Substances Control (DTSC).

**Soil Gas Survey Update**

John Lovenburg/CH2M HILL gave a progress update on the soil gas survey at MCAS El Toro. Sample collection was completed on Friday, 01 July 1994. Four hundred seventy-five locations were sampled, approximately 885 soil gas samples were analyzed onsite (including Quality Assurance/Quality Control [QA/QC] samples), and approximately 100 soil samples were collected and sent to an offsite fixed laboratory.

J. Lovenburg indicated that the Navy and regulatory agencies would receive the Soil Gas Technical Memorandum on 06 September 1994. The fixed laboratory has a 30-day turnaround time and data validation subsequently requires approximately 1 month; hence, not all of the soil data presented in the technical memorandum will be validated.

J. Lovenburg then discussed second round soil gas survey results. No significant new areas of contamination were detected during the second round of the soil gas survey. He discussed the most recent trichloroethylene (TCE) and perchloroethylene (PCE) soil gas survey results that were summarized on computer-generated plots. Buildings 296 and 297 (the large hangars) and Building 324 had the highest soil gas hits. He noted that TCE was detected southeast of Site 9 below 15 feet below ground surface (bgs). The highest PCE concentrations occurred west of Building 635, possibly related to an old drainage pattern.

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|                  | <p>J. Lovenburg suggested that Buildings 296 and 297 be investigated as part of the Phase II Remedial Investigation (RI). Sherril Beard/DTSC added that deeper soil gas samples should be collected in areas of elevated concentrations. J. Lovenburg added that the soil gas contractor was not able to collect samples below 15 feet bgs at Agua Chinon Wash due to gravelly conditions.</p> <p><b><u>Role of the BEC</u></b></p> <p>The Base Realignment and Closure (BRAC) Environmental Coordinator (BEC), Bret Raines, is the leader of the BRAC Cleanup Team (BCT), which consists of the U.S. Environmental Protection Agency (EPA), DTSC, and the BEC. The BEC is responsible for funding issues, communications, and running the BCT meetings.</p> <p><b><u>Role of the CLEAN II QA/QC Function</u></b></p> <p>Dante Tedaldi/Bechtel is the project manager for the new CLEAN II QA/QC Contract. He reports to the BEC on everything except contracted issues. All BCT members have direct access to D. Tedaldi. He will review all documents and provide his comments to all agencies and the Navy simultaneously. He will receive copies of everything that the regulatory agencies receive.</p> <p><b><u>Results of Employee Interviews</u></b></p> <p>Sodium chromate in boiler water was discharged to sewer lines and washes at MCAS El Toro. Al Arellano/DTSC wants to investigate hexavalent chrome during the Phase II RI. The former employees identified leaks at several tank farms, which should also be investigated.</p> <p><b><u>Transition Meetings</u></b></p> <p>Two additional days of CLEAN I/CLEAN II transition meetings will be planned for the week of 25-29 July 1994. Ecological work completed to date at MCAS El Toro will be discussed in a summary of risk assessment work. Roxy Barnette/EPA wants to discuss conducting an ecological habitat assessment at MCAS El Toro.</p> <p style="text-align: center;"><b>ACTION ITEMS</b></p> <p>Action items were compiled during the meeting and were made available to the meeting attendees at the conclusion of the meeting.</p> <p><b><u>Agreements</u></b></p> <p>Note: The following three items will be placed at the top of each month's list of action items at the request of John Hamill/EPA request.</p> <ol style="list-style-type: none"> <li>1. An agenda and decision papers will be distributed 7 days in advance of the RPM meeting.</li> <li>2. An independent facilitator will be present at every RPM meeting.</li> </ol> |

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|                  | <p>3. Action items will be sent out within three working days following a meeting and included in the agenda for the next meeting. They will be published in the next meeting minutes as well. Attachments to the meeting minutes will only be attached to the final copy (file copy).</p> <p style="text-align: center;"><b>NEW ACTION ITEMS</b></p> <p><u>CH2M HILL (CLEAN I)</u></p> <ol style="list-style-type: none"> <li>1. CH2M HILL will note in the soil gas technical memorandum that Freon 113 should be a target analyte for the Phase II RI investigation.</li> <li>2. CH2M HILL will provide 11 x 17 inch plots of soil gas data to Bechtel and the regulatory agencies by 22 July 1994.</li> <li>3. CH2M HILL will discuss the analytical protocol for the analysis of Freon 113 in soil gas in the Soil Gas Technical Memorandum. The analytical protocol for previous groundwater and soil samples will also be discussed and contrasted to soil gas analysis.</li> <li>4. CH2M HILL will distribute the MCAS El Toro employee interview notes.</li> <li>5. CH2M HILL will send two copies of the OU-1 RI Report to the CLEAN II project team.</li> </ol> <p><u>Bechtel (CLEAN II)</u></p> <ol style="list-style-type: none"> <li>1. The CLEAN II team will evaluate the use and toxicity of Freon 113 at MCAS El Toro; Freon 113 will be added as a contaminant of potential concern (COPC) for the Phase II RI at Site 24.</li> <li>2. Bechtel will provide the schedule for the Phase II RI Work Plan.</li> </ol> <p><u>Navy</u></p> <ol style="list-style-type: none"> <li>1. The Navy will invite the regulatory agencies to the preproposal conferences (PPCs) for work added to the CLEAN contracts.</li> <li>2. Jason Ashman/Code 1843.JA will arrange a meeting with the regulatory agencies to discuss the pending Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) sites. Discussion topics will include sampling strategy, criteria for no further investigation (NFI), and new sites identified during the soil gas survey.</li> <li>3. Lynn Hornecker/Code 1831.LMH will set up a conference call on Tank 398 with John Broderick/RWQCB.</li> <li>4. The Navy will provide a schedule for the Engineering Evaluation/Cost Analysis (EE/CA) at Agua Chinon Wash.</li> </ol> |

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|                     | <p>5. The Navy will respond to regulatory agency letters dating back to November 1993.</p> <p>6. The Navy will set up the next conference call with the regulatory agencies.</p> <p>7. The Navy will plan the next CLEAN I/CLEAN II transition meetings with input from John Dolegowski/CH2M HILL and David Cowser/Bechtel.</p> <p><u>BCT</u></p> <p>1. The Navy, MCAS El Toro, and the BCT will meet to discuss the remediation at Tank 398 and whether the RCRA Facility Assessment (RFA) sites should be included in the pending RFI.</p> <p><u>BEC</u></p> <p>1. The BEC and Restoration Advisory Board (RAB) co-chair will determine the type and number of documents to go to the RAB with the input of the BCT.</p> <p>2. The BEC will arrange a 1-day meeting to discuss ecological and human health risk assessment to be held during the week of 25-29 July 1994.</p> <p style="text-align: center;"><b>OLD ACTION ITEMS</b></p> <p><u>Navy</u></p> <p>1. The Navy will respond to the 10 May 1994 Agency letter on the Operable Unit (OU)-1 FS by 13 June 1994.</p> <p><u>BEC</u></p> <p>1. B. Raines will ask one of the El Toro Base Transition Team members to be present at the next Remedial Project Manager (RPM) meeting.</p> <p>2. B. Raines will send a full budget submittal for MCAS El Toro environmental programs to the agencies.</p> <p>3. B. Raines will invite Pete Ciesla (Base Transition Coordinator) to the next RPM meeting and ask him to give a 30-minute presentation on the reuse status.</p> <p><u>BCT</u></p> <p>1. J. Hamill and B. Raines will set up a team building meeting when the CLEAN II contractor comes on board</p> |

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**MCAS El Toro**

1. MCAS El Toro will prepare a draft written policy by mid-April to ensure that construction activities on RI or RFA sites will not be conducted prior to a review by Base environmental personnel. A final will be submitted on 15 June 1994.

**UPCOMING PLANNED MEETINGS**

- 18-19 July 94 PPC to develop technical assumptions for Phase II field work for (1) OU-1 Sites 24 and 25 (Volatile Organic Compound [VOC] source areas), (2) OU-2 landfill sites, (3) OU-3 sites.
- 20-21 July 94 BCT seminar at West Division (WESTDIV) presented by Naval Facilities Engineering Command (NAVFAC) Headquarters; B. Raines, D. Tedaldi, and D. Crawley will attend.
- 26-27 July 94 Two days of CLEAN I/CLEAN II transition meetings will be planned by the Navy during the week of 25-29 July 1994. (Tentatively scheduled for 26 and 27 July 1994).  
  
The BEC will arrange a 1-day meeting to discuss ecological and human health risk assessment to be held during the week of 25-29 July 1994.
- 28 July 94 The next RPM meeting is tentatively scheduled for 28 July 1994.

**UPCOMING DELIVERABLES**

List of deliverables, due dates, and regulatory review comment due dates provided at the request of J. Hamill.

| Author         | Document Title                        | Due Date (Date Submitted) | Date Agency Comments Due |
|----------------|---------------------------------------|---------------------------|--------------------------|
| Bechtel        | Cost Proposal for UST Site Assessment | 14 July 1994              | Not applicable           |
| CH2M HILL      | Draft Groundwater Monitoring Plan     | 21 July 1994              | 22 August 1994 (30 day)  |
| Black & Veatch | Desalter Preliminary Design Report    | (31 March 1994)           | 22 July 1994             |
| CH2M HILL      | OU-1 RI Report                        | (01 July 1994)            | 06 September 1994        |
| CH2M HILL      | OU-1 FS Report                        | August 1994               | October 1994             |

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|                     | CH2M HILL | Soil Gas Survey<br>Technical Memorandum | 06 September 1994        | 21 September 1994       |
|                     | Bechtel   | Revised Phase II RI<br>Work Plan        | End of September<br>1994 | End of November<br>1994 |