



PROJECT NOTE NO.		PROJECT NO.	
PN-0018-06 CLE-C01-01F018-I3-0017		01-1F018-01	
CONFIRMATION OF:	CONFERENCE TELECOM OTHER	X	DATE HELD DATE ISSUED RECORDED BY PLACE
SUBJECT	Summary of Meeting with Regulatory Agencies to Discuss MCAS El Toro Sampling Strategies		
PARTICIPANTS: (* DENOTES PART-TIME ATTENDANCE)			
Refer to Page 3 for list of attendees.			
ACTION REQ'D BY	ITEM		
	<p>The purpose of the meeting was to provide a forum for Agency representatives to discuss review comments and concerns regarding the sampling strategy at the RI/FS sites at MCAS El Toro. A list of attendees is attached.</p> <ol style="list-style-type: none"> <li>After some discussion, the agencies provided the following summary of their current concerns: 1) There is no specific discussion of Phase 2 activities in the existing workplan. 2) There seems to be insufficient vadose zone soils investigation proposed under Phase 1. 3) The drilling of wells with no soil sampling is unconventional but they are willing to accept this with the understanding that the Phase 2 soil sampling effort will be much more extensive. They are concerned that the Navy will run out of time (and possibly money) to accomplish Phase 2. 4) Need to add a cost section to the revised workplan.</li> <li>To answer the above concerns, the Navy proposed the following generic soil sampling strategy for the 21 OU2 and OU3 sites: 1) collect vadose zone soil samples every 10 feet at each proposed onsite well location and analyze one within 30 feet of groundwater based on instrument readings and observations. This will add about 50 soil samples to Phase 1. 2) drill a deep boring close to the suspected source area, collect soil samples every 10 feet down to groundwater, and complete the boring as an additional groundwater well at each site. Four of the soil samples will be analyzed as follows: one sample immediately below the suspected source, plus one within 30 feet of groundwater, and two others based upon observations and instruments. Sites restricted by health and safety considerations (e.g., Site 1) will be excluded from this boring within the</li> </ol>		



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	<p><b>source area. This may add about 20 additional groundwater wells and 80 soil samples to Phase 1.</b></p> <ol style="list-style-type: none"> <li>3. The analysis of soil and groundwater samples for dioxin was agreed to be carried out for all sites which involved burning such as landfills and crash crew pits. The analysis will be performed on one groundwater sample per site, a soil sample obtained immediately under the source area, and the surface soil (or sediment) samples.</li> <li>4. <b>The agencies agreed that this approach answered most of their concerns about Phase 1 and said that applying it to each site should be satisfactory.</b></li> <li>5. <b>Site 3: Original Landfill.</b> The existing workplan modified by the proposed generic soil sampling strategy (Item 2) will be acceptable.</li> <li>6. <b>Site 18: Regional Groundwater VOC Investigation.</b> It was agreed to install two additional cluster wells in MCAS El Toro. One of the wells will be located between Agua Chinon and Borego Canyon Washes next to the golf course and the other southwest of Site 4, Ferrocene Spill. CH2M HILL stated that the proposed wells in the existing workplan are not located to define the extent of downgradient plume. The OCWD wells will be evaluated for inclusion into the proposed quarterly groundwater sampling events based on arrangements made by the Navy's legal department. For future quarterly monitoring, the list of analyses will be narrowed based on an amendment to the SAP.</li> <li>7. <b>Site 8: DRMO Storage Yard.</b> The existing workplan modified by the proposed generic soil sampling strategy (Item 2) will be acceptable.</li> <li>8. <b>Site 15: Suspended Fuel Tanks.</b> The existing workplan modified by the proposed generic soil sampling strategy (Item 2) will be acceptable.</li> <li>9. <b>Site 4: Ferrocene Spill Area.</b> The generic sampling strategy (Item 2) will be applied to Site 4 with the following exceptions: the monitoring well proposed in the draft workplan adjacent to the drainage ditch will be combined with the deep soil boring of the proposed generic soil sampling strategy. CH2M HILL will add information to the plans regarding the chemical nature of ferrocene and its environmental fate.</li> <li>10. <b>Site 9: Crash Crew Pit.</b> The 25 foot soil boring proposed in the draft workplan will be combined with the deep soil boring of the proposed generic soil sampling strategy (Item 2). In addition, the proposed monitoring well closest to Tank 174 will be moved in a southerly direction closer to that structure.</li> <li>11. <b>Site 10: Petroleum Disposal Area.</b> The 25 foot soil boring proposed in the existing workplan will be combined with the deep soil boring of the proposed generic soil sampling strategy (Item 2).</li> </ol>

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	<p>12. <b>Site 22: Tactical Air Fuel Dispensing System.</b> The 25 foot soil boring and the monitoring well proposed in the existing workplan will be combined with the deep soil boring of the proposed generic soil sampling strategy (Item 2).</p> <p>13. The background soil samples at each site and the necessity of obtaining off-base soil samples were discussed. CH2M HILL said that "background" samples at each site will be considered as an upgradient soil sample for contaminant material balance purposes rather than a true background sample for the base.</p> <p>14. The attendees decided to meet again in January. The exact date will be set by the Navy and EPA.</p> <p><u>Attendees:</u></p> <table border="0"> <thead> <tr> <th data-bbox="422 1008 511 1039">Name</th> <th data-bbox="747 1008 941 1039">Representing</th> <th data-bbox="1161 1008 1291 1039">Phone #</th> </tr> </thead> <tbody> <tr> <td>Ed Rogan</td> <td>CH2M HILL</td> <td>714/250-5500</td> </tr> <tr> <td>Bijan Hagh</td> <td>"</td> <td>"</td> </tr> <tr> <td>Mike Arends</td> <td>"</td> <td>"</td> </tr> <tr> <td>Chuck Elliott</td> <td>"/SAC</td> <td>916/920-0300</td> </tr> <tr> <td>Bruce Peterson</td> <td>"/SEA</td> <td>206/453-5500</td> </tr> <tr> <td>Larry Nuzum</td> <td>U.S. Navy</td> <td>619/532-1230</td> </tr> <tr> <td>Sally Bilodeau</td> <td>Jacobs</td> <td>818/449-2171</td> </tr> <tr> <td>John Broderick</td> <td>DHS/TSCP Reg. 4</td> <td>213/590-4993</td> </tr> <tr> <td>Sebastian Tindall</td> <td>SAIC</td> <td>415/399-0140</td> </tr> <tr> <td>George Ring</td> <td>SAIC/Denver</td> <td>303/292-2074</td> </tr> <tr> <td>John Hamill</td> <td>EPA</td> <td>415/744-2391</td> </tr> <tr> <td>Gary Stewart</td> <td>Regional Water Board</td> <td>714/782-4130</td> </tr> </tbody> </table>	Name	Representing	Phone #	Ed Rogan	CH2M HILL	714/250-5500	Bijan Hagh	"	"	Mike Arends	"	"	Chuck Elliott	"/SAC	916/920-0300	Bruce Peterson	"/SEA	206/453-5500	Larry Nuzum	U.S. Navy	619/532-1230	Sally Bilodeau	Jacobs	818/449-2171	John Broderick	DHS/TSCP Reg. 4	213/590-4993	Sebastian Tindall	SAIC	415/399-0140	George Ring	SAIC/Denver	303/292-2074	John Hamill	EPA	415/744-2391	Gary Stewart	Regional Water Board	714/782-4130
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