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MINUTES FROM ENVIRONMENTAL CLEANUP PROJECT TEAM MEETING DATED 11 MAY
1998 CNC CHARLESTON SC
5/11/1998

**Naval Base Charleston
Environmental Cleanup Project Team
Meeting Minutes**

Date: 5/11/98 - 5/12/98

Place: Atlanta, GA

Time: 0800 - 1700

Guest: Ted Simon

Attendees: Tony Hunt, Reese Batten, Dann Spariosu, Paul Bergstrand Johnny Tapia,
Joe Land, Todd Haverkost, Larry Bowers

Leader: Paul Bergstrand

Scribe: Todd Haverkost

Discussion/Decisions

9805-M291	<p>Status Review</p> <ul style="list-style-type: none">— Tentatively agreed that Zone K field work (SWMU 166) is over pending data from 2 new wells.— Zone C RFI Report was approved last week.— Zone H CMS Work Plan conditionally approved. <p>Document Review Priority</p> <ol style="list-style-type: none">1. Zone A RFI Report2. SWMU 166/AOC 607 CMS Work Plan3. Zone A CMS Work Plan4. Zone C CMS Work Plan5. Zone I RFI Report6. Zone E RFI Report7. Zone K RFI Report8. Zone F RFI Report9. Zone G RFI Report <p>Interim Measure Schedule</p> <p>Reece handed out a detailed schedule which is included as an attachment.</p> <p>Dye testing completion report finishes Zone L field work (5/15). This allows target date of Zone L report to be set at 8/15/98</p> <p>Team consensus to change the document review priority so that Zone A CMS becomes #3, Zone C CMS Work Plan becomes #4, and Zone I RFI Report becomes #5 (it was formerly #3).</p>
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9805-M292	Ted	<p>Lead Model Reviewed the memo Simon to Spariosu (27 April 98).</p> <p>Johnny questioned whether the population distribution within a 40 mile radius of the base actually represents the ethnic makeup of the work force.</p> <p>(The 40 mile radius was previously agreed upon during a conference call with Navy, EPA, DHEC, and EnSafe).</p> <p>Nobody really knows but the distribution used in the model probably more closely reflects the work force that will be utilized by the RDA business plan. Who is the worker population (women of child bearing age) at the base?</p>
9805-M293	Tony	<p>Basewide Thallium Hypothesis Distribution of thallium at base in soil and groundwater does not appear to be related as an industrial release.</p> <p>Other Possible Sources</p> <ol style="list-style-type: none"> 1. Clay minerals - sediment deposited around base and then redeposited by dredging. 2. Deposition of particulates from coal fired furnaces or released from areas of coal storage. High % of thallium in U.S. can be attributed to flue gas dust. 3. Presence of thallium and other trace metals in Cooper River water sheds due to mining tailings and fertilizer processing. 4. Look at validity and uncertainty of laboratory analysis ICP may not provide best quantitative results. 5. Origin related to rodenticides. <p>Tony has been obtaining journal articles and has compiled quite a few geochemistry references. Local libraries don't have a lot of mining references.</p> <p>Possibly proceed with mineralogical analysis of core samples.</p> <p>Cd, Th, H, and As distributions were plotted. Need to normalize data to Al to strengthen argument that it may be related to clay minerals.</p> <p>Time frame - will probably take until the end of the year.</p> <p>Consider - maturity of well/turbidity/concentration gradients vertical distribution in soil cores.</p>

9805-M294	Reece	<p>Zone A RFI Preliminary data from SWMU 2 sampling to refine Pb distribution. Some data gaps still exist. After data collection is finished an evaluation of residential vs. industrial cleanup cost will be performed and presented to the team.</p> <p>SCDHEC will notify the team in two weeks when they will complete a review of the Zone A RFI report changes so that we can have a follow up discussion to get the document finalized/approved.</p>
9805-M295	Tony	<p>Ship Interference with UXO Survey</p> <ul style="list-style-type: none"> — CMMC claims they didn't get enough lead time to get the ship moved. Verbal notifications in January, written notification in April. — RDA, Navy, CMMC met to discuss moving ships to Pier C and back when the survey is done. RDA says the Navy should pay. The Navy agreed to pay. — The ships were moved, the survey completed, and one ship has been moved back. The other is soon to be moved back. — RDA, tenants, and Navy worked together to resolve what started out to be a tough issue.
9805-M296	Tony	<p>GEL Well #14/15 Well #14 A statement was made that a foot of product was found in well 14. The statement appears unfounded since the GEL report indicates " " of product during sampling. Only SVOCs were detected. The GEL well will be sampled as part of AOC 632.</p> <p>Well #15 Currently have access problem to work out with CPW to install new wells.</p>
9805-M297	Todd	<p>MNA Update Dann will check into getting EPA resources involved in evaluation of current data and planning future data collection requirements.</p> <p>Will have a summary of all the data to present prior to June meeting.</p> <p>Will also try to have suggestions regarding key parameters and sampling frequency.</p>
9805-M298	Joe	<p>Team Training - Negotiation Topics</p> <ul style="list-style-type: none"> — Negotiating skills — Negotiation vs. conflict resolution — When is negotiating appropriate? — When does it breakdown? — What allows it to work? — How do we go about it? — Prepare to negotiate. — Guidelines for effective negotiation. <p>(See attachments for details)</p>

9805-M299	Todd	<p>Zone I RFI Update Data presentation limited to available data received for AOC 678, 680, and 681.</p> <p>Primarily groundwater from direct push locations will submit a complete data package before June meeting. Will need to change the document review priority. Include recommendations.</p>
9805-M300		<p>DSMOA/Coop Agreement In the past DSMOA was administered by the ACOE. This year the ACOE told the various agencies to negotiate directly with the states and then the ACOE would fund it.</p> <p>Steps that had to be taken to see what it would take to meet the Navy transfer of property needs.</p> <ol style="list-style-type: none"> 1. Identify the current state resources - currently funded for 1.7 people (FTEs). 2. To meet the current schedule requirements the state proposed 3 NTEs. The Navy did not think this would support the schedule so through ensuing talks the following agreement was reached: 2.5 engineers 2.5 hydrogeologists .5 risk assessor <p>Funding will be available in July. The "new" hires will be brought on in September 1998.</p> <p>Dann suggested that now that a commitment of more resources has been made that we should look at the permit since it is in draft stage to see if there is some flexibility in terms of requirements (i.e. fewer documents, more realistic schedules, etc.)</p>
9805-M301		<p>Team Improvement Processing of documents seems to be a bottleneck. Why? - project awareness; process of sending, reviewing, approving documents; team interaction; impossible schedules; obstacles to our team efficiency.</p> <p>Priorities</p> <ol style="list-style-type: none"> 1. Process to send, review, approve documents. <p>**See flowchart</p>



9805-M302	Johnny	<p>Zone C RFI Report Johnny is issuing a conditional approval letter for the report.</p> <p>Main Concerns AOC 517 Lead residue in the building was presented as an OSHA issue. Rather than evaluate exposure to lead dust, the consensus at DHEC (in agreement with Ted Simon) is just to direct the Navy to clean the building. Possibly use a process closure or interim measure as the mechanism.</p> <p>Will not require a report modification.</p> <p>AOC 523 Tony was to verify if Gabe is addressing the UST. Gabe tasked the DET to survey the area with their magnetometer. WE don't know the results. AT each area where thallium in groundwater is an issue, final resolution will be part of the basewide thallium study.</p> <p>Grid Location 001 High DDT hit in soil. Can the well at that location be abandoned so an IM (removal) can be completed.</p> <p>Dioxins Dioxins were screened against 1 ppb. As a result the risk calculations do not include dioxin. The report does not need to be changed but future assessments must screen against RBCs. This should be discussed in the upcoming Section 11. Johnny has additional Charleston area dioxin data which is comparable to the Navy base results.</p> <p>Johnny will issue another letter re: Zone C to clarify (rescind) his original condition that a CMS be required at AOC 517.</p> <p>The Zone C RFI Report is approved.</p>
9805-M303	Paul Johnny	<p>Zone H CMS Work Plan DHEC comments were provided but Paul emphasized that even though they have some issues the CMS can proceed. The SCDHEC comments must be addressed in the context of the CMS report.</p> <p>The Navy and EnSafe would like the opportunity to look at the letters and have a conference call if needed next Monday at 1500.</p>
9805-M304	DET	<p>IM Report *See handout provided by the DET at the meeting.</p> <p>Team consensus to cease any further IM excavation activities at SWMU 7 and backfill, prepare completion report. The site will proceed to the CMS for final evaluation.</p>

9805-M305	Johnny	<p>Permit Update The draft permit is ready. Tony and Dann are currently reviewing it. The entire team is encouraged to review the draft. — July 12th is the end of the public comment period. — May 28th public notice.</p>										
9805-M306	Paul	<p>South Carolina DOD Meeting Basically an open house for DOD and SCDHEC. June 16-18 at MCAS Beaufort.</p> <p>Topics</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Inn. Sampling Tech</td> <td style="width: 50%;">Lessons Learned</td> </tr> <tr> <td>Mixing zones/MNA</td> <td>Coastal Concerns</td> </tr> <tr> <td>Range Rule</td> <td>Comp. Trends</td> </tr> <tr> <td>ISO 14000</td> <td>Regulatory Update</td> </tr> <tr> <td>Asbestos</td> <td>DHEC Panel</td> </tr> </table>	Inn. Sampling Tech	Lessons Learned	Mixing zones/MNA	Coastal Concerns	Range Rule	Comp. Trends	ISO 14000	Regulatory Update	Asbestos	DHEC Panel
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9805-M307	Dann	<p>Community Involvement Conference August in Boston, MA</p> <p>EPA Training/Conference for community coordinators. The intent for this year is to include a broader range of staff other than just those involved typically through CERCLA projects.</p>										
9805-M308		<p>Close Out</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p style="text-align: center;">±</p> <ul style="list-style-type: none"> • Finished early • Stayed on track • Team improvement exercise • Smaller group • Team leadership • Ate lunch together • Conditional acceptance letter • DET presentation • Cleared up team meeting needs • Closure on items/decisions • Team training • Agenda re-evaluations </td> <td style="width: 50%; vertical-align: top;"> <p style="text-align: center;">-/</p> <ul style="list-style-type: none"> • Did not discuss other documents. • Could have skipped the meeting <ul style="list-style-type: none"> • Goal of topic • Atlanta location - why? </td> </tr> </table>	<p style="text-align: center;">±</p> <ul style="list-style-type: none"> • Finished early • Stayed on track • Team improvement exercise • Smaller group • Team leadership • Ate lunch together • Conditional acceptance letter • DET presentation • Cleared up team meeting needs • Closure on items/decisions • Team training • Agenda re-evaluations 	<p style="text-align: center;">-/</p> <ul style="list-style-type: none"> • Did not discuss other documents. • Could have skipped the meeting <ul style="list-style-type: none"> • Goal of topic • Atlanta location - why? 								
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Action Items

9805-A179	Tony	Try to obtain additional data regarding distribution of African American/Caucasian/Hispanic women of child bearing age (17-45) in the worker population prior to closure. If possible also determine commuting distance. This will provide an estimate of uncertainty. Ted will use the data to perform another simulation.
9805-A180	Tony/Todd	Find out if oil/water separators at NS 26 and 681 still exist. Find out if the 4 tanks at AOC 678 are being assessed by the petroleum program.
9805-A181	Tony	Send out team improvement outline to all team members by 22 May 98.
9805-A182	Team	Team must come prepared to discuss team improvement outline at next meeting.
9805-A183	Tony/Jed	Need to determine if a SCDHEC letter exists which states a removal of the vault at SWMU 25 is required.

