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MINUTES FROM ENVIRONMENTAL CLEANUP PROJECT TEAM MEETING DATED 9
MARCH 1998 CNC CHARLESTON SC
3/9/1998

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

Date: 3/09/98 **Place:** SCDHEC (Farrow Road)
Time: 10:30 - 1700

Attendees: Tony Hunt, Reese Batten, Daryle Fontenot, Paul Bergstrand Johnny Tapia, Todd Haverkost, Dave Backus

Invited Guests: Melissa King (SCDHEC DoD Coordinator), Ted Blahnik (EnSafe),

Leader: Tony Hunt **Scribe:** Dave Backus

Discussion/Decisions

9803S-M266	Tony	<p>Review Project Status and Prioritization Provided an updated Team schedule and SDIV environmental cleanup program schedule. The final Zone A RFI Report will be submitted around 3/20/98.</p> <p>Proposal In April the Team will review, at the table, all documents which have been previously reviewed, commented upon, and re-submitted with corrections.</p> <ul style="list-style-type: none"> — Final Zone A RFI Report — Final Zone C RFI Report — Final Zone H CMS Work Plan — Draft CMS Work Plan for SWMU 166/AOC 607 <p>The purpose of this exercise is to streamline the review process. The Team agreed to make an attempt to review the documents. The goal will be to reach a decision on Zones A, C, and H. The goal for SWMU 166/AOC 607 will be to provide the reviewers with background information and allow an opportunity to ask questions prior to completing a formal review.</p> <p>Document Priorities: (As previously agreed upon)</p> <ol style="list-style-type: none"> 1. Zone H CMS 2. Zone C RFI 3. Zone A RFI 4. Zone I RFI 5. Zone E RFI 6. Zone K RFI 7. Zone F RFI 8. Zone G RFI <p>Need to add the lab artifact memo and the Draft SWMU 166/AOC 607 CMS Work Plans.</p>
9803S-M267	Todd	<p>Monitored Natural Attenuation List: Zone H</p>



		<p>2 areas of primary interest AOC 607/SWMU 138 and SWMU 20. After discussion and map review, decision made to include all wells (shallow only) initially in the SWMU 8 and Combined SWMU 9 areas.</p> <p>Consensus Passed</p> <p>SWMU 17 Already sampling these parameters at this site, also proposing 2 additional wells, shallow/deep. Paul suggests adding 2 more downgradient wells for better coverage.</p> <p>SWMU 136/AOC 663 To be determined by final tank closure samples.</p> <p>AOC 656 Resample wells 2 and 3 for VOCs TBD.</p> <p>AOC 667/SWMU 138 TBD, awaiting DHEC decision.</p> <p>Zone I EnSafe recommends more RFI sampling for all those nominated for MNA in this zone - TBD.</p> <p>Zone E Follow same grouping approach as in Zone H.</p> <p>For isolated wells, continue monitoring coCs to see if mass is reducing. Tony suggest having Target come to Team with presentation of MNA results collected so far. SWMU 65 group - TBD. Tony would like to further discuss (TBD) all the miscellaneous hits wells in Zone E. But Paul would like definitely monitor (GDE 18D).</p>
9803S-M268	Daryle	<p>RDA/Floor Daniel Update Areas ready for transfer right now from Daryle - Zone D - parking and warehouses Zone B - minus Quarters with UST or asbestos issues. RDA economic development plan is due out this month.</p>
9803S-M269	Tony	<p>AOC 607 Status Update Have Ron 10 additional samples in the storm sewer system, the SE of the site. A lot of the current flow in the sanitary storm sewer is thought to be leaking GW into the system.</p> <p>SDIV - Recommends expediting the CMS for this site. How should data be presents? - Map chemical constituents each time you sample. (Quarterly). Also suggestion made to look at the USGS groundwater model for this area.</p>
9803S-M270		<p>Letter addressing 3 new sites form UST/Fuel Distribution System Paul had concern about the location of the proposed wells surrounding SWMU 24, which are the waste oil tanks? The EBASCO RFA (original) lists 39A and 39D, the tank slab shown to the SW was planned for new construction, but never built. Tony will supply additional information to Johnny and Paul supporting this information.</p> <p>Johnny will respond to the new site ID letter stating, that it is not necessary to</p>

		<p>assign a new site if the Navy will continue to monitor the surrounding wells.</p> <p>AOC 709 will now be assigned to other sites of significance in Zone H.</p>
9803S-M271		<p>Zone H CMS Work Plan Update SWMU 17 and 19 - Possible IM candidates.</p> <p>AOC 666 Tony has DET completion report need recommendation from Team.</p> <p>SWMU 17 Deep well recommended sample and gauge all wells and sumps during IM activities.</p> <p>AOC 656 Resample 2 wells for VOCs.</p> <p>Soil Background Risk was recalculated removing some of the background components.</p> <p>Last month - How do we develop cleanup goals? (2) scenarios a. Remove everything above 10^{-6} risk after background has been removed. b. Look at cost/benefit analysis by decreasing risk by some factor (say 90%). As you remove hot spots sequentially at a site, recalculate risk. At some point approaching 90-95% reduction you will realize diminishing returns.</p> <p>Groundwater Classification Significant GW quality data has already been collected. Navy is very interested in pursuing reclassification of the aquifer beneath the base. Reclassification requests are brought before the DHEC board with the board's concurrence. The request is then taken to State legislation for a vote.</p> <p>Ann will look into the steps and procedures for reclassification. Paul suggests also looking at filtered samples.</p>
9803S-M272	Johnny	<p>Lead Model Discussion Need to ask Ted Simon (EPA) to reproduce the calculations he used to come up with a lead remedial goal of 1328 ppm. Johnny is not in agreement with the Navy's number of 1500 ppm. He has calculated a number based on exposure to a black female of child bearing age -920 ppm.</p> <p>Set up telecom with Ted Simon for late next week: Tony, Johnny, Dann, Ron Severson according to Ted's schedule.</p>
9803S-M273	Tony	<p>Zone J Meeting Discussion Unfavorable letter was received at EPA from Fish and Wildlife Service. Root cause of letter was mis-communication or mis-understanding.</p> <p>Need to set a meeting with State and Federal Trustees for early - April to bring them up to speed on the eco-risk efforts to date.</p>
9803S-M274	DET	<p>IM Update/Discussion Coordinate IM results with CMS plans.</p>

SWMU 14

Completion report due next month. All excavations were completed down to below the respective RBCs. Some excavations exceeded SSLs for perchloroethane. The side walls and base of each hole was sampled. Most exceedances of SSLs were from the base. All excavations have been backfilled.

AOC 653

DHEC Lab has specified a particular method for analyzing hydraulic fluids at this site.

SWMU 159

Paul wants to make sure we are looking for the correct constituents. We have proposed (2) additional wells at this site. Run for VOCs.

SWMU 17

Product recovery starts this week.

IM Status Update

See attached index of the site status. Also note this is a new format for the IM updates.



**Tech Subcommittee
Action Items**

9803S-A171	Tony	Supply additional background information on the SWMU 24 waste oil tank area, to Paul and Johnny. By next Team meeting.
9803S-A172	Ann	Look into steps and procedures for reclassification of groundwater aquifers. Report to Team by next meeting.
9803S-A173	Tony	Set up telecom with Ted Simon to discuss lead model and remediation goals. Ted and Dann (EPA), Johnny (DHEC), Tony (SDIV), Ron Severson (EnSafe). Telecom for late next week.
9803-A174	DET	Make copies of SAPs for UST removals at AOCs 663/666. Distribute to Team by next week.