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Baker

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January 30, 1996

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Commander
Atlantic Division
Naval Facilities Engineering Command
1510 Gilbert Street (Building N-26)
Norfolk, Virginia 23511-2699

Attn: Ms. Katherine Landman
Navy Technical Representative
Code 18232

Re: Contract N62470-89-D-4814
Navy CLEAN, District III
Contract Task Order (CTO) 0001
MCB Camp Lejeune, North Carolina
Partnering Minutes - November 1995

Dear Ms. Landman:

Attached are the final meeting minutes from the Partnering meeting held on November 7, 8 and 9, 1995 in Hilton Head, South Carolina. A copy of these meeting minutes has been forwarded to all of the Team members. These minutes incorporate the comments received on the draft at the Partnering meeting held at MCB Camp Lejeune on January 17 and 18, 1996.

If you have any questions, please do not hesitate to contact me at (412) 269-2053.

Sincerely,

BAKER ENVIRONMENTAL, INC.

Matthew D. Bartman

Matthew D. Bartman
Activity Coordinator

MDB/lq

Attachment

cc: Ms. Linda Saksvig, Code 18231
Mr. Lance Laughmiller, Code 18236
Mr. Byron Brant, Code 1832
Mr. Neal Paul, MCB Camp Lejeune
Mr. Patrick Watters, NCDEHNR
Ms. Gena Townsend, EPA Region IV
Mr. Jim Dunn, OHM
Lt. Cheryl Hansen, MCB Camp Lejeune
Ms. Karen Wilson, Code 183 (w/o attachment)
Ms. Beth Collier, Code 02115 (w/o attachment)



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MEETING MINUTES
MCB CAMP LEJEUNE PARTNERING TEAM
November 7-9, 1995

A Partnering Meeting was conducted on November 7, 8, and 9, 1995 between representatives from LANTDIV, MCB Camp Lejeune, the North Carolina Department of Health, Environment, and Natural Resources (DEHNR), Baker Environmental, Inc. (Baker), and OHM Remediation Services, Inc. (OHM). Gena Townsend (USEPA) was unable to participate in the meeting due to illness. The meeting was attended by the following:

- Ms. Linda Saksvig, LANTDIV
- Ms. Katherine Landman, LANTDIV
- Mr. Lance Laughmiller, LANTDIV
- Mr. Neal Paul, MCB Camp Lejeune
- Mr. Patrick, Watters, North Carolina DEHNR
- Mr. Matt Bartman, Baker
- Mr. Rich Bonelli, Baker
- Mr. Jim Dunn, OHM

The meeting was hosted by Ms. Katherine Landman, Mr. Matt Bartman chaired the meeting. The minutes were recorded by Mr. Matt Bartman.

The Tier II representative, Mr. Byron Brant (LANTDIV), was not in attendance at the meeting.

The minutes are summarized below for each day of the meeting and by topic.

November 7, 1995

The meeting focused on the following items:

- Check in
- Review ground rules
- Prioritize agenda items
- Budget priorities
- Site 7 PCB findings
- Site 3 soil and groundwater findings
- SVE system
- Rifle Range
- Baker trailer relocation
- Well abandonment
- RCRA sites

Prioritize Agenda Items

The agenda items for this particular session was extensive. The team listed the items and decided on the time needed to cover each item and the precedence in which they should be discussed. This method of setting the agenda the first day of the meetings has worked well for this team. It allows us to prioritize the critical agenda items and make sure that each members concerns and issues are addressed.

Budget Priorities

Kate discussed the proposed budget for FY97 to 03. She explained that most of the sites at Camp Lejeune are moving out of the investigation phase and into the Remediation phase. Kate explained that the reality of the situation is that as a Team we are looking at a flatline budget of 3.2 million for FY97 and out. This budget includes the cost for investigation, construction, and O&M. Kate requested the assistance of the Team in preparing a budget adjust the work that is required to be completed in accordance with the revised budget. Matt and Kate stated that sites that have not been funded and are determined to be low risk according to the risk ranking probably won't be funded and that the dollars planned for the site will go to another activity.

Kate informed the Team that it is unlikely that there will be two RPMs dedicated to Camp Lejeune after FY97. Consequently, we must look at the budget and the work load within the budget to be managed by one individual.

Neal asked Patrick if the state would be responding the budget cuts. Patrick stated that he has not heard anything from Jack Butler regarding the states actions. Neal stated that the regulators may have a voice opposition to the delays in the program because the budget cuts are a consequence of the budget being decided in a POM year and we are playing funding catch-up based on FY94. Neal stated that we are probably looking at enforcement action from the State and Federal government.

Neal informed the team that in FY97 there is a possibility that Marine Corps may receive their own pot of money separate from Navy. If this were to happen Camp Lejeune would be in a good position to allocate money due to our success and planning. Neal stated he will speak with Kelly Dryer and provide her with the details of the out year spending plan. Neal stated that he will send the FSC contracts to Kate so that she can incorporate them into her budget.

Linda and Neal stated that they are investigating the contractual possibilities of Baker conducting the O&M. Neal will prepare letter to Linda and Paul Rakowski detailing how using Baker to conduct the O&M will reduce costs and provide better information than what is currently being supplied under the FSC.

Site 7 PCB

During the last meeting Patrick voiced a concern over a potential data gap in the investigation findings. In order to resolve the data gap, Baker along with OHM collected soil samples and screened the samples for PCBs. The positive and a percentage of the nondetects were confirmed by a fixed-based laboratory. Matt discussed the location where the samples were taken and the findings. Patrick stated that this additional sampling should be sufficient to demonstrate the absence of PCBs in the area of concern. Matt added that this information will be included in the next version of the report.

Site 3 Findings

Matt provided the team with a summary of the soil and groundwater findings for this site. This site is the old creosote plant. The RI report has been delayed do to the need to conduct additional soil and groundwater investigations at the site. Three rounds of groundwater and surface and subsurface soils have been collected at this site. The subsurface soil is contaminated but will not generate a human health risk because the only potential receptor is the future construction worker. Groundwater has been impacted and contaminants in the groundwater are at levels above the 2L standard. However, it is possible that there will not be a human health risk from the groundwater. Matt just wanted to begin making the team aware of the situation and to begin the thought process about what to do with a site that obviously has contamination that is not migrating and will not cause a risk to current or future receptors but is above regulatory levels.

SVE System

Jim informed the team that the latest round of sampling indicted several detections of PCE on the western half of the system. The system was restarted last Thursday and will continue to be in operation for a month and the a determination will be made. Linda asked if it is possible that groundwater fluctuation is impacting the soil. Jim said this isn't likely because this is an elevated area and contamination came from the top down not vice versa.

Site 82 Pump Test

Jim and Rich participated with input from the team on the scoping for the pump test to be conducted at this site. The scoping issues addressed which wells are to be pump, spacing and number of pezometers, which wells to monitor, duration of test for the shallow and deep, and the time frame for conducting the test. The following was included in the scoping:

Shallow: monitor 8 points including

- three existing shallow wells in area of SRW-1 (6GW34, 6GW33, 6GW1S)
- three new pezometers (10 feet S, 100 feet E, and 20 feet N) of SRW-1 DRW-1

Do not use a hermit in Wallace Creek, it's over 1000 feet away and influence of test is 500 feet

Deep: monitor 11 points including

- Two existing shallow wells SRW-1 and 6GW1S
- One piezometer SP-2
- Two new deep piezometers DP1 and DP2
- Five existing deep wells 6GW15D 6GW1A 6GW1DA 6GW1DB DRW-1

Rich stated that if it is necessary to monitor to a depth of 100 feet than 3 pezometers are needed. One north near the shallow pump well, one between DRW-1 and GW15, and one 200 feet W of DRW-1.

Jim and Rich decided on a 48 hour pump test for the shallow preceded by with an 8 hour step drawdown. A recovery time of 200 up to 500 minutes to monitor recovery to 90% static. A 72 hour pump test will be needed for the deep pump test preceded by with an 8 hour step drawdown with a similar recovery.

Jim said that OHM is looking at a Christmas to January time frame to conduct the tests.

Rich stated that it would be a good idea to collect a complete round of groundwater samples to provide a baseline of findings prior to the pump test and Remediation.

Jim asked Baker to prepare a list of hot zone wells, all wells, and recommended minimum wells to monitor the plume. Patrick stated that if this is to be done must have sufficient number of wells to cover the extent of the plume.

Rifle Range

Neal informed the team that the recent published DoD policy on ranges is in the draft state. EPA will issue a final guidance, but what has been written to date is not provide a lot of guidance.

Jim stated that what he felt needed to be done would be to screen/sift the soil, remove the lead and return the soil.

Neal informed team that lead could be recycled locally, and that he will look into project dollars to research the problem. To his knowledge the ranges have no routine maintenance other than the addition of more dirt to the pile. Neal will follow up on funding issue with Kelly Dryer and inform team of outcome.

Baker Trailer Relocation

Matt has spoken with Neal about moving the Baker trailer from its current position to a more secure area. Neal stated that he would discuss potential locations with Vann Marshburn and get back to Baker. Matt stated that if a location could be finalized Baker would remob the trailer as part of the FY96 investigations. LANTDIV has funded Baker for this remob under CTO-0343.

Well Abandonment

Rich stated that there are a lot of wells on base that are not aesthetic pleasing and are no longer of use that could be abandoned. Neal informed Rich that Brent Lanier is working on a scope to complete this work and that dollars for this work would need to come from Marine Headquarters. All agreed that this issue should be addressed to prevent individuals from breaking into wells and pouring contamination (motor oil) directly into the groundwater.

Neal inquired if Marines would be able to perform the task of pulling a well as part of a training exercise. Rich stated that a well could be pulled using a Hum V. Rich said that he would investigate all wells installed by Baker and determine which could be abandoned.

RCRA Sites

Patrick informed the team that there are three sites on the base that need to be "clean closed" and according to the NC regional office we have the option of handling these sites under CERCLA. These sites are:

Six tanks at Tarawa Terrace
Site 84
Site 86

Kate, Neal, and Patrick will discuss this matter and decide on course of action with the state.

November 8, 1995

The meeting focused on the following items:

RCRA Training

LANTDIV (Kate Landman) and MCB Camp Lejeune (Neal Paul) arranged for Mr. Mike Randall of Environmental Resource Center to provide the team with a training course on RCRA. In the near future this team will be facing other concerns outside of the CERCLA realm and this course was seen as a vital introduction to an area of regulations that we are not accustomed to deal with.

TIER I Presentation

The Camp Lejeune Team was selected as the "model" team to speak with the SOUTHDIVs TIER I teams who are beginning the formal PARTNERING process. At the conclusion of our presentation Byron Brant presented to team with a plaque officially thanking us for our continued efforts and declaring us "graduated".

November 9, 1995

The meeting focused on the following items:

- Action Items and Review previous meeting minutes
- IDW containerization
- Building 25
- Site 35 soil removal
- Site 65 RI discussion
- Site 44 surface water results
- Site 86 groundwater results

A summary of the pertinent information, action items, and decisions is provided below.

Action Items and Review Previous Meeting Minutes

Team members reported on their action items from the previous meeting. The only action item still unclear was for Neal who is to contact Suzanne Spence to find out about funding for investigation at BEQ. Neal informed team that the BEQ project was at 35% design and that nothing additional would be done until investigation was completed, and that there is a 6-8 month window to work with prior to completion of design.

Patrick and Neal provided Matt with corrections to the Draft meeting minutes from the September meeting. Matt will incorporate these revisions and forwarded final meeting minutes to the team.

IDW Containerization

Matt requested Patrick to look into state regulations regarding the handling and need for containerization for IDW generated during the RI investigation. The cost for containerization of soil cuttings and development and purge water is substantial and may not be required. If this cost could be eliminated or reduced it would be a benefit to the funding issue.

Building 25

Neal Wanted to know how we could get quick groundwater results at this site. Rich stated that we are currently using geoprobe at a site. Lance wanted to know how much of a soil/groundwater scope do we need. Kate stated that there are two main concerns that the scope must answer: 1) do we have groundwater contamination, 2) what is the extent of the soil contamination. Jim stated that the cost for disposing of volatile contaminated soil is about \$900/yd.

The team came to consensus on the following scope for this site:

Groundwater	
Shallow Clean	Shallow Dirty
Deep well to confirm	RI
Soil	
Clean	Dirty
grid area	remove limited soil (budget)
remove soil from pit	determine extent and evaluate cost
take side wall sample	

Site 35

Jim updated the team on the status of the TPH soil removal. Total excavation in Area A was 9,000 yards. Of the 1,200 yards of backfill used there were six positive detections for TPH. The petro kits used to screen the soil in the field indicated a false negative. This was confirmed by two fixed based analyses. This soil has already been placed as backfill. Area A is approximately 600 yards by 2000 yards. The team devised a sampling scenario based on the standards for sampling soil that is stock piled. OHM will survey Area A and set up a grid based on a volume of 200 cubic yards per grid (total 14 grids). Each grid will then be sampled in a manner similar to a soil pile, i.e., composite of six grab samples.

Site 65

Mal Petroccia, Baker Project Manager, provided the team with a detailed discussion of the RI findings for OU No. 9 (Site 65). This discussion is usually held as a meeting between Baker, LANTDIV, and the Activity, however, due to scheduling and the ability to hold it at this meeting the information was additionally presented to OHM and NC DEHNR. Providing this information to the reviewers prior to the document submittal (draft RI due 11/17/95) assists the reviewer in discussing the material prior to its "cold" presentation in the report. Questions, comments, and corrective actions can then be taken to clarify the document and reduce review time and reduce the number of comments.

Meeting minutes and the agenda are attached.

Site 44 and 86

Rich provided the team with an update of the additional investigation conducted at these two sites which are part of OU No. 6. As for Site 44, the additional surface water data, collected upstream of the site in the vicinity of Site 89, indicates that Site 44 is not the source of the volatile contamination in Edwards Creek. The contaminant levels are higher as you move upstream of the site. The conclusion is that there is a source in the Camp Geiger area that to date has not been located. Rich commented that there are a lot of point source discharges in the area. In order to get a better handle on the locations of Sites 44, 89, 93 and 35 and their relation to one another Matt will provide base map of the area indicating the site locations. The team felt that the RI should continue without any need for additional investigations at Site 44. The Executive Summary for the RI should mention the proximity of the site to Site 89 and the Camp Geiger area. Neal said he would make some contacts to start looking into the point source discharge.

Site 86 is one of the RCRA sites Patrick had mentioned. Rich explained that the new upgradient wells had been impacted by contamination and that groundwater contamination is at the intermediate depth. For this area the only form of remedial action for groundwater will be pump and treat. Rich said that as part of the FS for this site a flow model would be produced. Jim stated that using reinjection with pump and treat, which would eliminate mounding, may be an alternative to look at.

Action Items

Gena Townsend

- Investigate files and policies regarding active/nonactive rifle ranges.
- Verify that landfills that OHM is considering for removal of Lot 203 debris are CERCLA certified

Rich Bonelli

- Prepare list of wells 1) hot zone, 2) all wells 3) recommend wells to monitor plume for Site 82 pump test and long term monitoring.

Kate Landman

- Follow up on DOD policy regarding ranges.

Lance Laughmiller

- Allocate dollars to Baker to conduct a monitoring program sufficient to attend pump test

Neal Paul

- Send Kelly Dryer information on the out year spending plan for actual costs that Camp Lejeune will incur.
- Send Kate the current status of the O&M contracts. Look into the possibility of Baker performing the O&M work at Camp Lejeune.
- Prepare letter to Linda to show how using Baker to perform O&M would reduce overall costs to the program.
- When completed send pump/supply well report to Baker and OHM.
- Check on pond stocking at the ponds around Site 65.

Patrick Watters

- Look into State regulations regarding the handling of IDW, and the need to treat IDW water above the 2L standard.

Matt Bartman

- Provide team with figures of the Camp Geiger area

Jim Dunn

- Provide Matt with Quanterra lab contact.

Next Meeting

Date: January 17,18, 1995 (subject to change)
Location: To be determined (Camp Lejeune?)
Times: To be determined
Chair: Patrick
Host: To be determined (Neal ?)

Agenda Topics for Next Meeting

Building 25 Update - Jim

Site 86 Pump Test Update - Jim

FFA - All

Site 3 RI - Matt

Site 80 TCRA - Matt and Jim

Comments - Matt

BEQ - Neal and Kate

Upcoming work - All

Sites 89 and 93 (Camp Geiger) - Matt and Lance

Groundwater sampling for volatiles - Matt and Rich

Send additional items to Matt or Patrick