

Baker

07.01-05/13/96-01674 Partnering

Baker Environmental, Inc.
Airport Office Park, Building 3
420 Rouser Road
Coraopolis, Pennsylvania 15108

May 13, 1996

(412) 269-6000
FAX (412) 269-2002

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 - January 1996

Dear Ms. Landman:

Attached are the final meeting minutes from the Partnering meeting held on March 7 and 8, 1996 at MCB Camp Lejeune, North Carolina. A copy of these meeting minutes has been forwarded to all of the Team members. These minutes were finalized at the Partnering meeting held on May 7 and 8, 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

Attachments

cc: Ms. Linda Saksvig, P.E., Code 18231
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, ROICC MCB Camp Lejeune
Ms. Lee Anne Rapp, P.E., Code 18312 (w/o attachment)
Ms. Beth Collier, Code 02115 (w/o attachment)



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MEETING MINUTES
MCB CAMP LEJEUNE PARTNERING TEAM
March 7-8, 1996

A Partnering Meeting was conducted on March 7 and 8, 1996 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). The meeting was attended by the following:

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

The meeting was hosted by Mr. Neal Paul, Mr. Lance Laughmiller 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.

March 7, 1996

The meeting focused on the following items:

- Check in
- Review Action Items and Previous Meeting Minutes
- Site 82 Pump Test
- CAP for OU No. 1 (Sites 24 and 78) and OU No. 7 (Site 1)
- OU No. 7 (Sites 1 and 28) Monitoring Plan
- Biocell
- Site 80 TCRA
- GIS
- Remediation Levels
- TRC Meeting for OU No. 8 (Site 16)
- Lot 203 Cleanup

March 8, 1996

- Building 25
- RCRA Part B
- RAB

Check In

During the check in process, Patrick informed the Team that Jack Butler's replacement has been named. Mr. Grover Nicholson has been brought on to take Jack's position. He was formerly with the Federal Contracts Branch of NC DEHNR.

Lance Laughmiller informed the Team that Gary McSmith, NTR for Cherry Point, is leaving LANTDIV for an environmental engineering position with Cherry Point. Lance will be taking over Gary's responsibilities as NTR for Cherry Point and Kate will be handling Camp Lejeune, solely. This transition is to be completed by May 1996.

Review Previous Meeting Minutes

Neal provided corrections to the spelling of Mick Senus. No additional revisions comments were provided by any team members. The minutes will be finalized and distributed to the Team members.

Review Action Items

One action item still requires action. Matt still must provide LANTDIV and OHM with subsurface soil remediation levels for the TCRA to be conducted at Site 80. These remediation levels are required for soil contaminant levels that are protective of groundwater.

Neal informed the team that he got money to do investigations at the D30 range.

Jim informed the team that the fence at Site 41 will be constructed within the month.

Prioritize Agenda Items

The agenda items for this particular session was extensive. Lance provided the team with an agenda where we were able to assign time needed and priority to each item. This method allowed the team to set the agenda so that adequate time would be given to each item. This method allows the team to prioritize the critical agenda items and make sure that each members concerns and issues are addressed.

Site 82 Pump and Treat

Jim informed the team that the system is mechanically complete and will be automatically complete by the end of March. OHM has completed the pump test on the deep and shallow zones and is awaiting Bakers consultation prior to installing additional wells.

Rich explained that Dan Fisher (Baker) is evaluating the pump test data to determine the radius of influence. The pump test on the deep zone resulted in a flow of 30 gpm, which was lower than expected. Rich explained that using information from supply well 651, approximately 200 ft away, that the first productive zone is 120 to 130 ft bgs and this is the zone that the pumping well should have installed. Rich explained that the treatment plant is designed for 500 gpm and it appears that we may need up to two more deep wells installed to a depth of 150 ft bgs. These wells may cause a draw down of contamination, therefore, Baker wants to model capture zone. In the shallow, the pumping rate is 5 gpm, the radius of influence is assumed to be 100 ft, therefore, we may need to install a lot of shallow pumping wells to get capture zone.

A discussion regarding the discharge of treated water to Wallace Creek was held by Patrick. Patrick provided the team with the new NC surface water regulations and explained how they are to be used to classify surface water bodies and how to apply standards related to the surface water.

A long discussion dealing with contamination going to Wallace Creek, number of shallow pumping wells needed, modeling needs, deep well draw down, groundwater sampling results, remediation limits presented in the ROD, and discharge permits ensued by the team. In order to answer the many technical questions raised during this discussion a meeting was scheduled to be held between Baker, OHM, and LANTDIV to discuss the shallow and deep pumping well placement. This meeting is scheduled to be held at Baker's office with a follow-up conference call with LANTDIV, Camp Lejeune, OHM, and Baker.

CAPS for OUs No. 1 and 7, Long-Term Monitoring Plan for OUNo 7

Patrick informed the team that due to the vinyl chloride and TCE detected in the groundwater during one of the sampling rounds that the Wilmington Office may require a CAP for Site 1. There is a possibility that a meeting can be arranged with the Wilmington Office to discuss concerns with OU No. 1 and Site 1. This meeting will be arranged after the additional sampling is conducted at Site 1. The additional sampling, which will consist of

additional shallow groundwater wells and sampling for volatile organics will be conducted the week of March 18, 1996. The installation of monitoring wells will provide information to determine if contamination in GW10 has migrated from GW17. Currently, there are no wells downgradient of GW10 in the direction of Cogdells Creek. The concern of the team is that the long-term monitoring solution presented in the ROD may not be appropriate. As for OU No. 1 (Sites 24 and 78) the CAP submitted for these sites has been denied. The full explanation as to why the CAPs were denied has not been provided by the Wilmington office. However, conversations between the EMD office and NC DEHNR have indicated that the Wilmington office feels that the site has not been fully delineated.

After the results for the additional sampling at Site 1 a meeting will be coordinated with the Wilmington office to discuss the issues regarding OU No. 1 (Sites 24 and 78) and OU No. 7 (Site 1).

Neal felt that it would be better to hold the ROD for OU No. 7 until the results of this additional sampling have been received and the meeting with NC DEHNR has been conducted.

Biocell

Jim informed the team that the waste soil material unearthed during the test pitting has been determined to be nonhazardous. This soil will probably be combined with carbon to be sent off to a landfill. All of the sampling conducted in this area indicated that contamination was absent in the area of the biocell. Therefore, looking for concurrence to continue with construction of biocell.

Gena and Patrick concurred with continuation of construction. Lance stated that he would call Vann and let him know that OHM had been given the go ahead to continue construction of the biocell. Jim stated that construction of the biocell would be completed in 30 days.

Site 80 TCRA

Jim informed the team that he has been looking into chemical oxidation as a form of remediation. If this method of disposal can be implemented for pesticides at this site a cost savings of approximately \$180/ton will be realized over incineration. Kate said that the DO for to conduct the TCRA should be with OHM. Jim would like to collect soil in an area where contaminant levels are known and send if the soil can be treated. Kate stated that as part of the TCRA monitoring well 80-MW03 will be abandoned. Sampling of this well during the RI has indicated that the structure and integrity of this well is suspect.

GIS Update

Rich provided the team with an update on the base-wide GIS Intergraph system being implemented for the base wide groundwater study. Rich informed the team that Camp Lejeune is currently using Arc-Info, however, with in this GIS system there is no environmental software. Neal informed the team that the UST sites at Camp Lejeune are not being incorporated at this time. Rich informed that data input into this system would provide the information necessary for quarterly or semiannual monitoring reports as required by the RODs or CAPs. The information that this system is able to present is what is currently missing from the monitoring reports. The current reports provide little if any interpretation of the migration, attenuation, or effectiveness of groundwater treatment. This information is and will continue to be required in order to monitor what contamination is doing at these sites. Analytical data will not solely provide adequate information.

Remediation Levels

Matt and Jim conducted a discussion involving the application of remediation levels (i.e, groundwater standards, soil cleanup levels, surface water standards). These values are initially presented in the RI for comparison purposes and then proposed in the FS as RGOs and RLs and then adopted in the ROD. However, because the time from the time the ROD is signed until construction is implemented or completed may be up to two years if not longer these standards may change to be either more or less conservative. Now that we are beginning to conduct remedial alternatives at sites the question arises when and how often do we need to reexamine these standards to determine if they are applicable, relevant, appropriate, or required?

After a lengthy discussion as to how these values and their ever evolving state can and will impact the alternatives that have been selected and future alternatives, it was concurred that it will be the responsibility of the team to review the standards provided in various stages of the RI/RA process and into the long-term monitoring process as well to determine if the current state and federal standards are consistent with what has been published to date and if these standards are should be retained. This review will need to be conducted throughout all stages of the process including the work plan (i.e., PRGs), RI/FS/PRAP/ROD, Design, Construction, and monitoring. It will be up to the state and USEPA to provide guidance as to what action should be taken if a standard is revised to be more or less conservative.

TRC Meeting

Due to the difficulties with funding the team decided that in conjunction with the Partnering meeting the TRC meeting for OU No. 8 (Site 16) would be held in the afternoon of the first day. Other than the team members, Mr. Bruce Parris and Mr. Ray Humphries were in attendance at the meeting. Mr. Bruce Parris has taken over for Mr. Bruce Reed at NC DEHNRs office in Wilmington. Mr. Parris informed the team that his is familiar with our organization. Although we have not met him prior to this meeting or seen his name on review comments, Mr. Parris said that he has reviewed our documents in the past and decided to attend this meeting to introduce himself and represent the Wilmington Office.

Due to the nature of the audience, Matt gave an informal slide presentation detailing the investigation, findings, conclusions, and remedial actions that have been completed and are recommended for this site.

Mr. Parris provided the following recommendations to be completed before the ROD be signed. The benzene detected in the groundwater during Round 1 was not detected during Round 2; however, a third round was not conducted to determine if verify the presence or absence. Mr. Parris requested a third groundwater sample for volatile organics be collected from monitoring well 16-MW05 and the results of this sampling be provided in the ROD. Additionally, Mr. Parris requested that remediation levels for soil contaminants that are protective groundwater be provided in the ROD.

Lot 203 Cleanup

The team discussed the cleanup of Lot 203 and what the process would be for handling the debris in the area. Jim stated that the metal at the site is not a problem, that removal/disposal of the rubber is unknown but could possibly be shredded on site and removed, and the wood could be put through a tub grinder and removed. The money for this cleanup is expected to come from LANTDIV within the next month.

March 8, 1996

Building 25

Lance provided the following summary of activities conducted at the site. The tank excavation, side wall sampling, and additional soil boring sampling has been completed. The question is do we need to excavate the soils that were backfilled and determined to have contamination slightly above the remediation levels if this site is going to undergo an investigation. Gena and Patrick indicated that leaving the soil in place would not present any additional risk, and because groundwater is going to be subject to investigation the risk will addressed at that time.

Gena stated that to get this site back to the construction phase in an expedited manner, it may be better to handle the investigation at this site as an expanded site investigation followed by an EECA. Jim stated that if wells are constructed that we should exam the placement of the wells for pumping purposes. Matt stated that the project plans for this site are underway. The SSP for this site is due on March 25, 1996 and a conference call is scheduled for April 1, 1996 at 10:00 AM.

SWMU Part B

Neal informed the team that his office met with the state RCRA section regarding the request for a RCRA Part B Permit. The need for this permit is holding up millions of dollars. A RFA for Camp Lejeune was completed

by EnSafe and provided to the state by Camp Lejeune. Neal stated that there are over 300 sites, 55 which have been recommended for house cleaning, 50 which require further corrective action (soil removal). The state requested additional information on dumpsters. Neal feels that the solid waste dumpsters will be filtered out as SWMUs. The state also requires that ASTs and USTs be examined. The sites that are currently active will be taken care of so that they do not become part of the permit. If any of these sites go to a corrective action they should be dealt with under our program which will make them eligible under DERA. Neal stated that a meeting with the state may be needed to get a time frame for when the Part B permit may be issued. The team felt that all corrective actions undertaken should be handled through the Superfund Section at the state level.

RAB

Neal stated that he will send the information regarding the RAB formation to the Chief along with an Action Brief. Gena felt that due to the lack of participation at our Public Meeting, even with published notifications, that the RAB meetings should replace the Public Meetings. Neal provided the team with the RAB charter which he asked everyone to review and provide comments in two weeks (see attached)

Action Items

Lance Laughmiller

- Contact ROICC office and inform them that the biocell construction is back on.

Rich Bonelli

- Contact Charlie Till USEPA Region IV, Athens to discuss bentonite requirements for long-term monitoring wells.

Patrick Watters

- Ask Wilmington office about the reasoning for denying the CAP for OU No. 1 (Sites 24 and 78). Follow up with arranging a meeting to discuss OU No. 1 and OU No. 7.

Matt Bartman

- Review remediation levels in the ROD for OU No. 2. Provide updates/notification to Lance.

Team

- Review RAB charter and provide comments to Neal.

Parking Lot

Long-term monitoring contracts under the control of the Activity and LANTDIV.

Next Meeting

Date: May 7 and 8, 1996
Location: Pittsburgh, PA
Times: To be determined
Chair: Matt
Host: Matt

Agenda Topics for Next Meeting

Please send to Matt or Jim via fax or E-mail