

Baker

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March 30, 1998

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Commander
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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 -001
MCB Camp Lejeune, North Carolina
Partnering Minutes - November 1997

Dear Ms. Landman:

Attached are the final meeting minutes for the Partnering meeting held on November 19 and 20, 1997 in Virginia Beach, Virginia. A copy of these meeting minutes has been forwarded to all of the Team members. These meeting minutes were finalized at the Partnering meeting held on March 10 and 11, 1998 in Jacksonville, North Carolina.

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
Ms. Maritza Montegross, Code 18233
Mr. Neal Paul, MCB Camp Lejeune
Mr. Mick Senus, MCB Camp Lejeune
Mr. Brian Marshburn, MCB Camp Lejeune
Mr. Dave Lown, NC DENR
Ms. Gena Townsend, EPA Region IV
Mr. Jim Dunn, OHM
Mr. Alan Witt, OHM
Mr. Brent Rowse, ROICC MCB Camp Lejeune
Ms. Lee Anne Rapp, P.E., Code 18312 (w/o attachment)
Ms. Beth Collier, Code 02115 (w/o attachment)
Ms. Diane Rossi, NC DENR WIRO



A Total Quality Corporation

MEETING MINUTES
MCB CAMP LEJEUNE PARTNERING TEAM
November 19 and 20, 1997

A Partnering Meeting was conducted on November 19 and 20 between representatives from LANTDIV, MCB Camp Lejeune, USEPA Region IV, NC DENR, Baker Environmental, Inc. (Baker), and OHM Remediation Services, Inc. (OHM). The meeting was attended by the following:

- Ms. Katherine Landman, LANTDIV
- Mr. Mick Senus, MCB Camp Lejeune
- Ms. Gena Townsend, USEPA
- Mr. Dave Lown, NC DENR
- Mr. Matt Bartman, Baker
- Mr. Jim Dunn, OHM
- Mr. Bob Schirmer, LANTDIV

Guests who attended the meeting included:

- Mr. Alan Witt, OHM
- Mr. Maritza Montegross, LANTDIV
- Mr. Tim Riordan, LANTDIV
- Mr. Bill Mullen, LANTDIV
- Mr. Bill Smithorst, Parsons Engineering

The meeting was hosted and chaired by Mr. Bob Schirmer. Mr. Bartman recorded the minutes.

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

Agenda items for the meeting included:

- Check In
- OU No. 6
- Drums
- Conversion of Lot 203
- OU No. 12 (Site 3)
- DQOs
- OU No. 12 (Site 3) ROD
- LTM
- Iron Wall Technology

Check In

Bob will be leaving the Team he will be taking over responsibilities at Cheatam Annex and Camp Peary. This will be the last meeting that Bob will attend. His permanent replacement on the Team has not been named. For the time Maritza Montegross will be handling some responsibilities for Lejeune. Tim Riordan may be joining the Team at sometime in the future.

OU No. 6

A conference call was held between Team members and Baker personnel (Rich Bonelli and Kathy Chavara) to discuss the selected alternatives for Sites 86 and the PCB removal at Site 36. This conference call also included representatives from the WiRO of NC DENR.

Rich began the conference call by asking if everyone had an opportunity to review the summary report which provided information relating to findings for the latest round of sampling. The report had been received and read by everyone with the exception of the WiRO. They had not received the report and admitted that this was due to the process used to distribute documents that are sent to them.

Gena stated that her concern with the natural attenuation scenario was that the monitoring for such an alternative would have to occur for a 25-30 year period which would be very expensive. Gena wanted to know if there is a way to enhance this process so that the monitoring time would be shortened.

Kathy explained some of the findings of the report indicated that the plume was 300 to 400 feet wide and the hot zone is about 75 feet. Most of the contamination can be found at the 40-60 foot depth.

As a possibility for enhancing natural attenuation Kate wanted Kathy to look into ORC technology. Kate believes that this is a relative lost cost option.

Maritza mentioned that she has some information about electro magnetic remediation which uses electrodes to remediate hot spots.

Kathy mentioned that her concern with any of this technology is the depth at which the contamination was found and the effectiveness of any of these technologies at depth. Kate wants Baker to look at cost and if technologies work then there is little risk in a moderate investment.

A discussion in relation to what are the requirements for natural attenuation was started. Dave stated that the monitoring schedule is open but first you must demonstrate that you have the conditions for natural attenuation.

Rich mentioned that Baker will look into enhancements for natural attenuation but would like to finalize the FS. The WiRO agreed with this decision as long as none of the alternatives require injection. In the state of NC injection is a difficult hurdle for remediation. The WiRO did mention that they are open to suggestions for innovative technology.

Kate requested that WiRO review the letter report for Sites 36 and 54 and provide concurrence for natural attenuation. The WiRO informed the Team that they must allow a week for documents to get to them by mail. All mail goes to the mail room and then Rick Shiver's office for clearing.

Jim wanted to look into the possibility of using vacuum extraction to remove some of the hot spot contamination in order to reduce the levels of contamination that would required to be remediated via natural attenuation. Jim mentioned that this could be conducted on wells 10IW and 29IW. Rich Bonelli stated that you could probably pull 10 gallons of water per minute. Jim will prepare a work plan to complete this task.

Bob provided the Team with a packet of information for Site 36. This packet included a figure indicating the proposed Highway 17 configuration and the PCB remediation area. Gena expressed in her comments that she had some concern with soil remaining above 1 ppm. She wanted to make sure that the area where concentrations above 1 ppm will remain will not be used for residential purposes in the future. Gena stated that there is no problem with the remediation if the area is to remain considered industrial. Dave concurred with Gena.

Kathy stated that NC DOT is going to obtain an easement not a property transfer so the property will remain in the control of Camp Lejeune.

Gena stated that we must be sure that during construction the soil remains onsite or if removed goes to a Subtitle D landfill. Kathy felt information should be prepared and passed along to NC DOT regarding this matter. Kate mentioned that this information should come from Lejeune's real estate section.

DRUMS

Matt mentioned that approximately 40 drums have been relocated to Baker's Air Station trailer. Matt would like to have Jim handle recycling approximately 30 of these drums. Matt explained that Baker likes to keep at least 10 drums at Camp Lejeune to handle IDW transfer mainly water. Soil is usually handled in roll off boxes. In addition, Matt requested a place to maintain the drums now that the Air Station trailer will be demobilized. Jim stated that the drums could be stored at the treatment plant at Lot 203. Matt asked if Jim could also recycle approximately 40 crushed drums from Site 69. All of drum movement and recycling will be handled in January 1998 by Tom Trebilcock during Tom's LTM field activities. Jim asked that Tom coordinate this work with Randy.

Conversion of Lot 203

Mick stated that a Marine Corps unit was looking to convert the front end of Lot 203 to stage vehicles to be moved on and off base. This area is being considered due to its proximity to the railroad. It appears as though this unit would like to use approximately one half of Lot 203, approximately 12-15 acres. The conversion of the front part of Lot 203 would begin in April 1998. Matt mentioned that Baker was planning to demobilize their trailer from on the Air Station side of the base and move it to Lot 203 and remove the trailer from Lot 203. This work was to be completed in January. There is no reason for the trailer to be moved twice so Matt wanted to know if it was possible to move the trailer to the rear of Lot 203 in January. Jim thought that the only problem with this is that there is no phone service from Piney Green Road. Kate stated that in her conversations with Brent Rowse that phone access from Piney Green Road is unrestricted. Matt stated that he would give their phone line in the front of Lot 203 to OHM until OHM moves their trailer. Matt wanted to maintain the fax and answering machine capabilities. Jim stated that if he could use the phone line Baker could place their fax and answering machine in OHM's trailer. Mick will keep us updated on the conversion of Lot 203. Gena and Kate both mentioned that the Marines must keep in mind that this is a listed CERCLA site and notification must be made to EMD prior to any construction or demolition.

OU No. 12

Matt provided the Team members with a copy of the TCLP/RCRA analytical findings from the soil obtained from Site 3. Matt explained that these results indicate that the soil, although contaminated, has been determined to be characteristically nonhazardous. Matt mentioned that biotreatment of this soil is not necessary if this soil is considered nonhazardous and can be taken to a Subtitle D landfill.

Gena stated that she doesn't have a problem with this approach as long as the landfill is a CERCLA certified landfill. Jim wanted to know what are the chances of using this soil of cover in the new base landfill? Mick stated that the landfill operators are concerned with filling up the new landfill with soil. Jim stated that this soil could be used for daily cover not just deposited in the landfill. Jim wanted to dig up some information from other landfills as to whether they would accept soil that was nonhazardous but had a strong characteristic phenol odor. Kate mentioned that if Subtitle D landfills will not accept the soil due to odor we will need to go to a hazardous waste landfill which then exceeds our costs for constructing a new biocell. Jim mentioned that the pilot scale biocell is ongoing and will be completed at the end of February. Bugs were introduced to the cell in November and samples will be pulled at random times up to 112 days after the beginning of treatment. Samples will be pulled from 5 discrete locations, composited, and analyzed for PAHs. This information will provide allow us to know if biocell technology will be effective and what the cost for treatment will be vs the cost for hazardous or nonhazardous disposal.

DQOs

Matt just wanted to let the Team in on some information relating to the DQO conference that he and Dave attended. Matt informed the Team that Baker was looking into modifying the analytical methods that are used for the LTM samples. Many of the samples collected under LTM are analyzed under CLP. Matt mentioned that for LTM CLP data is not really needed. CLP data provides use with an accurate identification of the contaminant and now that we have significant data to tell us what the contaminant is we should now be focusing on levels of detection. Matt explained that with most sites we end of with maybe a handful of contaminants of concern. Once these contaminants have been identified the level of data quality no longer needs to be as high. Matt explained that we are looking into using SW-846 methods to complete the analyses. If these methods are less expensive if we provide significant cost savings over the course of the monitoring programs.

Montford Point

Mick provided an update for the handling of the lead contaminated soil at Montford Point. Mick stated that the excavation was on hold for the next couple of weeks until an answer could be obtained relating to disposal of the soil in the new base landfill. Jim mentioned that no excavation has taken place and will not occur until the base provides an answer as to whether the soil can be disposed in the landfill.

Site 3 ROD

Mick noticed during a review of the Final ROD for Site 3 that the Declaration page contained an incorrect statement. No Action was listed as the selected alternative and under this heading was text relating to the construction of a biocell for active treatment of soil and groundwater monitoring. Mick wanted to know if this should be corrected. Gena stated that the ROD did not need to be revised for this error in the text. Kate mentioned that a letter should be drafted and submitted to EPA, LANTDIV, and NC DENR stating notification of the error. Gena mentioned that an ESD may need to be prepared for this site given that the alternative provided in the ROD may change if a biocell is not used to treat the contaminated soil.

Concurrence on ROD

Dave mentioned that signatures are put on the ROD prior to all parties being aware of conditions that may be placed on the ROD from NC DENR. Prior to the signing of the ROD Dave wants the individual responsible to be aware of these conditions. Dave expressed that these conditions should be in the ROD prior to signature. Gena stated in order to complete this under our current system we would need to bind the copies of the ROD differently. Matt stated that the distribution would also need to be changed so that the conditions from NC DENR could be inserted in the copies that are sent from Camp Lejeune to EPA, LANTDIV, and NC DENR. Discussions on this topic will continue and will be ironed out prior to submittal of the next final ROD.

LTM Update

Matt wanted to know how to handle closeout for a site where it has been determined that long-term monitoring is no longer needed. Dave stated that a letter needs to be drafted including a summary of the RI and LTM data to explain why LTM is no longer required. Concurrence on this letter needs to be obtained from the WiRO of NC DENR, Dave (NC DENR), and Gena (USEPA).

Matt wanted to know who this letter should be forwarded from. Kate stated that it should be prepared by Baker and submitted to Camp Lejeune to be submitted on their letter head.

Iron Wall Technology

Mr. Bill Smithorst from Parsons Engineering was asked by the Team to speak about the Iron Filings Treatability Study being conducted at the U.S. Coast Guard Support Center in Elizabeth City, NC. This presentation provided information relating to O and M costs, concentrations being treated, how wall was constructed, where to obtain iron filings, depth to which wall can be installed, problems encountered, and things to consider.

This Team viewed this information as useful due to the many chlorinated groundwater problems we have at Camp Lejeune. The unfortunate factor with our groundwater contamination is that it is mainly in the intermediate (greater than 40 feet bgs) portion of the aquifer.

Action Items

Maritza

- Send information on Electro Magnetic remediation to Kathy Chavara .

Gena

- Talk to contacts at Savannah River regarding data from GeoClense.
- Send Athens DQO reference to Matt.

Jim

- Prepare work plan for vacuum extraction at Site 86.
- Inquire from landfills if they will accept soils with phenol odor.

Baker (Kathy Chavara)

- Prepare report of enhancement technologies for Team members prior to finalizing FS for OU No. 6.
- Provide OHM with CADD figure for Site 86 to be used in their work plan for vacuum extraction.
- Provide Mick with phone number for Sandra Stepny from NC DOT.

Mick

- Along with Kate determine what has been discussed with NC DOT regarding the property to be used for the highway bypass.
- Provide Team members with meeting minutes from RAB meeting .

Matt

- Send ArcView figure showing all of the OUS and sites to Mick and Jim.
- Draft letter to LANTDIV, USEPA, and NC DENR regarding the correction to the final ROD for OU No. 12 (Site 3).

Tom Trebilcock

- Draft letter to for the Activity to submit to the WiRO, Dave, and Gena regarding the discontinuance of monitoring and close out of Site 24.

Next Meeting

Date: March 10 and 11, 1998
Location: Jacksonville, North Carolina
Chair: Tom Trebilcock
Host: Mick Sensus
Time: 0800 hours