

**Baker**

**Baker Environmental, Inc.**  
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July 28, 1995

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

Attn: Ms. Linda G. Saksvig, P.E.  
Navy Technical Representative  
Code 18231

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

Dear Ms. Saksvig:

Attached are the final Partnering Minutes for the June 1995 meeting. These minutes were finalized at the Partnering meeting held on July 24, 1995 at MCB, Camp Lejeune, 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

Attachment

cc: Ms. Katherine Landman, Code 1823  
Mr. Lance Laughmiller, Code 1823  
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  
Ms. Lee Anne Rapp, Code 183 (w/o attachment)  
Ms. Beth Collier, Code 02115 (w/o attachment)



A Total Quality Corporation

**MEETING MINUTES**  
**MCB CAMP LEJEUNE PARTNERING TEAM**  
**June 27-28, 1995**

A Partnering Meeting was conducted on June 26 and 27, 1995 between representatives from LANTDIV, MCB Camp Lejeune, the United States Environmental Protection Agency (EPA), 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. Linda Saksvig, LANTDIV
- Ms. Katherine Landman, LANTDIV
- Mr. Neal Paul, MCB Camp Lejeune
- Ms. Gena Townsend, EPA Region IV
- Mr. Patrick, Watters, North Carolina DEHNR
- Mr. Matt Bartman, Baker
- Mr. Jim Dunn, OHM
- Ms. Judy Morris-Hardy, Management Edge (ME)

The meeting was hosted by Mr. Patrick Watters. Ms. Linda Saksvig chaired the meeting. The minutes were recorded by Mr. Matt Bartman.

The Tier II representative, Mr. Byron Brant (LANTDIV), was unable to attend due to prior commitments. Mr. Rich Bonelli (Baker) and Mr. Raymond Watras (Baker) did not attend the Partnering meeting due to prior commitments. Mr. Dwayne Currie (OHM) did not attend the meeting. His role on the team is now being served by Mr. Jim Dunn.

Mr. Vann Marshburn (ROICC at MCB Camp Lejeune) attended the meeting as an invited guest to discuss the treatment plants and future construction projects at the base. Mr. William Mullen (LANTDIV) and Mr. Gordon Ruggaber (Baker) participated as guests during the second day of the meeting to discuss the treatability study proposed at Operable Unit No. 14 (Site 69).

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

June 27, 1995

The meeting focused on the following items:

- Check In
- Agenda Priorities
- Operable Unit No. 4 ROD
- Site 41 access
- Operable Unit No. 1 Pump and Treat Plants
- Operable Unit No. 1 Soil Removal
- Operable Unit No. 2 Pump and Treat Plants
- CAPs for Operable Units No. 1 and No. 5
- Operable Unit No. 15 (Building 25-Base Dry Cleaners)
- Transfer of UST sites to IR Program
- P630/P928
- Site 75
- Linda's Exit

June 28, 1995

The meeting focused on the following items:

- Treatability study at Operable Unit No. 14 (Site 69)
- Groundwater sampling methodology
- Pump test at Operable Unit No. 9 (Site 73)
- BRAGs Update
- FY96SMP Update
- FFA

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

#### **Review of Previous Meeting Minutes**

- There were no changes to the "draft" meeting minutes from the last Partnering meeting held in February 1995. The draft minutes were accepted as "final."

#### **Prioritize Agenda Items**

Due to the length of time that had occurred between meetings an informal agenda was established. The team discussed the agenda items and came to consensus on priority, time needed for discussion, and in which order they would be handled.

#### **Operable Unit No. 4 (OU 4) ROD Status**

Patrick Watters, NC DEHNR, stated that he is in agreement with the ROD, however, the regional office of NC DEHNR has some issues of concern. Mr. Watters would like to have a meeting with the Wilmington office to discuss concerns with the ROD.

Gena Townsend, USEPA, stated that the team is receiving inconsistencies in regard to direction and comments from the Wilmington office of NC DEHNR. She stated that this has been brought to the attention of Mr. Jan Johnston, USEPA, who would like to get a recommendation from the team as to how to solve the divisional split within NC DEHNR. This recommendation will be taken to TIER II.

Neal Paul, MCB Camp Lejeune, stated that the regional office has been slow in completing their comments on IR documents. Additionally, Patrick Watters felt the issues that are non-CERCLA related (CAPs, variances) that are being required by the Wilmington office are slowing down the process. Patrick Watters explained that the problem lies in the division of NC DEHNR. There are two divisions (Solid Waste and Environmental Management) within NC DEHNR. Solid Waste (SW) is headed by Mr. William Meyer and Environmental Management (EM) is headed by Mr. Preston Howard. This issue may have to be brought to these gentleman for resolution.

The team brainstormed the following items to be discussed in a letter to assist in the resolution of this problem:

- Wilmington Regional Office must recognize that the IR Program at MCB Camp Lejeune is conducted in accordance with CERCLA. Administrative requirements (CAPs, variances) are not part of this process.
- There is an increased cost of doing business because of the administrative requirements.

The team developed the following solutions to the problem to be taken to TIER II.

- The DEM must recognize CERCLA Administrative requirements.

If these solutions are not plausible to DEM the Team developed additional recommendations.

- DEM will be asked to get involved in the initial scoping meetings.
- The FFA submittal deadline will be formally adhered to.

The team concurred that the ROD for OU 4 will be held until resolution of this matter can take place. A conference call, between all team members, will be held on July 19, 1995 at 0930 hours.

#### Site 41 Access

Patrick Watters raised a concern that there is no proposal for a fence or postings to be established at Site 41. Although, estimated human health risks have indicated no risks at the site, Patrick's concerns is the possibility of buried UXO as was mentioned in the RI/FS/PRAP/ROD documents.

Jim Dunn, OHM, stated that if the RI of surface and subsurface soil did not uncover UXO then it should be stated in the reports. The investigation should be proof that disposal did or did not occur.

Neal Paul felt that the potential for posting or fencing was a base issue which he is willing to discuss with the attorneys at the base and report back to the team.

Patrick Watters stated that regardless of the outcome he would still like to see some posting in the area.

#### Operable Unit No. 1 (OU No. 1) Pump and Treat Systems

Vann Marshburn, ROICC MCB Camp Lejeune, stated that the SVC contractor will take over the system on July 5, 1995. Vann stated that problems have been encountered at the North and South Plants. The North Plant is operational, however, excessive settling sands have created problems. A strainer may be used as a temporary fix, however, the concern is what size screen to use. Baker scope out the screen size (No. 10) which according the OBG may be too large.

The South Plant is also operational, however, the calcium build-up has become a problem. Don Joiner, Baker, has proposed the use of a sequestering agent that would keep the calcium in solution. Vann has requested that Don make a visit to Camp Lejeune to see if the operation is corrected.

Linda Saksvig, LANTDIV, stated that now that both plants are operational she will prepare a letter to USEPA notifying them that the systems are online.

#### Operable Unit No. 1 (OU 1) Soil Removal

Jim Dunn provided the following update on the soil removal:

Area 4 - small soil removal (approximately 1 drum). To be backfilled last week of June.

Area 3 - grew in size, more dense due to compaction

Area 2 - reduced in size, however deeper excavation

Area 1 - after five loads of PCB operations stopped, remaining work will be completed after revision of ROD.

This Delivery Order is approximately \$150,000 over budget due to yardage is down but tonnage is up.

## **Operable Unit No. 2 (OU No. 2) Pump and Treat Update**

Jim Dunn provided the team with an update on the construction. The walls have been built and approximately two weeks of masonry work still need completed. The building will be turned over to OHM for electrical at the end of July.

Linda Saksvig wanted to know when the building would be turned over to O&M contractor.

Jim Dunn stated that October 1996 was the target period for the turnover.

Linda Saksvig stated that funds would have to be allocated to OHM for FY1996.

Neal Paul stated that he is concerned about the award timing. If funding isn't provided in the last quarter of the FY it makes it difficult to get work started. If funds are awarded in the first quarter of the FY they usually aren't received until December. This duration creates difficulty making payments.

Jim Dunn stated that the soil removals at Area B are completed. OHM will be conducting an additional pump test to determine well field design. Once this pump test is completed OHM will look at well placement proposed by Baker.

LANTDIV, along with the team, requested OHM to collect soil samples (at least 12) in areas known to be high, medium, and low concentrations and at depths at the SVE system to attempt to correlate the systems efficiency. OHM will prepare a work plan and report on the findings at the next Partnering meeting.

## **TPH Soils**

A permit for TPH soil disposal will be issued in Bob Warren's name. Neal Paul stated that there is 1,500 yards of soil to go into a cell. Vann Marshburn wanted to know if there is any way to use OHM through 1996 to do oversite prior to turning this project over to the base. Linda Saksvig stated a new delivery order will need to be issued. The old delivery order is under NEESA; the new delivery order will be under DERA. Linda Saksvig stated the IR funding is gone and that Mark Barnes will need to get UST funding. Neal and Linda will talk with Mark about the availability of FY 95 funds to start the project. Neal Paul will talk with Mr. Scott Park about the Craney Island FSC.

## **Operable Units No. 1 and No. 5 CAPs**

Patrick Watters provided an update on the status of the CAPs. He stated that they had been forwarded to the Regional office for review.

Matt Bartman inquired as to whether these projects could now be closed out. Linda Saksvig stated she would provide notice to Lee Anne Rapp to notify Baker to begin project close-out.

## **Operable Unit No. 15 (Building 25) - Base Dry Cleaners**

Jim Dunn stated that OHM is tardy in the submission of the work plans. The work plans are to be submitted the week of July 10, 1995.

## **Site 43 Debris Removal**

Jim Dunn stated that work plans have been submitted, comments received, and response to comments will be sent out the last week of June. Vann Marshburn wanted to know who approved work plan. Kate Landman instructed Vann that she approves work plan and that any comments should be provided to her. Jim Dunn wanted to know

if EPA and NC DEHNR were reviewing work plans. Gena Townsend and Patrick Watters haven't reviewed them but need the start and end dates for the project for administrative tracking. Kate Landman wanted to know if Vann Marshburn has reviewed work plans. Vann stated he had provided verbal comments, but not written comments to OHM. Kate stated that EPA and NC DEHNR need to be informed about start date for removal. Copies of the Pre-Construction meeting should be sent to both agencies.

#### **Transfer of UST Sites to IR Program**

Linda Saksvig informed the team that there are four UST sites that are being brought over to the IR Program. The sites are:

- STC868 - between sites 35 and 36
- BB51
- BB59 - all between Courthouse Bay
- BB46

Linda Saksvig and Kate Landman will send report to Rich Bonelli to discuss the possibility that STC868 is associated with TCE problems at Sites 35 and 36.

#### **P630/P928**

Neal Paul stated that the Bachelors Enlisted Quarters (BEQ) construction could potentially penetrate contamination. Other buildings in the area have spread footing. The construction will reach depths of up to forty feet, therefore, penetrating the contamination. Debbie Bryant is the point of contact at LANTDIV. An update to this matter will be listed on the of next meeting agenda.

#### **Site 75**

Kate Landman is attempting to secure funds to construct a fence around the site to secure the area from pedestrian traffic and for Baker trailer security. Due to the suspected nature of contamination at the site, fence construction may not be possible until a geophysical investigation is conducted.

Kate stated that the project will go forward with award, but notice to proceed will be held.

#### **Linda's Exit**

Linda Saksvig stated that due to her recent promotion she will be exiting the team. However, her departure from the team will no be in the immediate future. Linda also informed the team that Lance Laughmiller will be assisting Kate in her responsibilities at Camp Lejeune. Lance will be introduced to the team at the next Partnering meeting.

#### **June 25, 1995**

#### **Treatability Study at Operable Unit No. 14 (Site 69)**

Gordon Ruggaber, Baker, provided a technical discussion regarding the latest groundwater investigation findings. Several concerns were raised during this discussion including:

*Gena Townsend: Can we be sure that the source of the contamination has been located?*

Response: Contamination is bounded by "clean" wells, therefore it is felt that source area and extent are defined.

*Jim Dunn: Can we measure if biodegradation is occurring during pilot study?*

Response: It can be done but is difficult with chlorinated products.

Bill Mullen: *Are dyes that are going to be used as tracers approved by the state?*

Response: The state is going to be informed, and the vendor is going to supply the state with information regarding the toxicity of the dyes.

Neal Paul: *Does USATHAMA have to be involved when the additional wells are installed?*

Response: Yes. Whenever the subsurface is drilled.

Gena Townsend: *Did we pick a good site to do the treatability study of this nature?*

Response: The six month study will not determine this. It is the minimum time required to determine if the technology is even applicable.

Linda Saksvig/Kate Landman: *Do we want to do this treatability study at Site 35 to prove its applicability then use it at Site 69?*

Response: Shifting sites does not provide us with any clearer answers. Site 69 is the better of the two sites to originate the study. It is a small, well confined plume. The geology at Site 35 is difficult and the same number of uncertainties will be experienced. We have an opportunity to get this study underway in a relatively short period of time. If we switch sites, it will impact the start up of the study.

The outcome of the discussion was to go ahead with the proposed treatability study at Site 69. Baker will prepare a response to NC DEHNR comments. LANTDIV will prepare a letter to be sent of NC DEHNR indicating the latest groundwater results and future intentions for the site. EPA agreed to treatability study over "no action" and will work with NC DEHNR to get the ROD signed.

### **Sampling Methodology**

Bill Mullen, LANTDIV, submitted a proposal to Linda Saksvig and Baker to conduct a groundwater sampling exercise using Site 69 monitoring wells. Mr. Mullen is concerned about the potential loss of volatiles and the possible disparity in sampling results using different methods of sampling. Mr. Mullen proposed collecting two sets of groundwater samples: 1) using a redi-flow pump and collecting directly from the pump, and 2) using the redi-flow to purge the well and a bailer to retrieve the sample. Mr. Mullen felt that a study of this nature is warranted due to a past occurrence of cross contamination.

Mr. Bartman stated that although he agrees that this is a practical study it really doesn't provide with any significant information. Mr. Bartman stated that there are other methods of groundwater sampling being conducted at MCB Camp Lejeune and these methods would need to be incorporated into this study to accurately measure the effectiveness of the sampling. Additionally, it is not just a measure of sampling procedure the matters of cost, applicability to collect groundwater samples for other analyses, time for sampling, and effectiveness must be considered when approving a method for groundwater sampling.

Mr. Bartman explained the method which has recently been employed, by Baker, for groundwater sampling is peristaltic pump with teflon tubing. Baker would like to begin using polyethylene tubing instead of teflon because the capital cost of using teflon tubing is much higher than polyethylene tubing. However, Region IV SOPs do not provide rationale for the use of polyethylene tubing.

Gena Townsend stated that Region IV SOPs do not allow for PVC casing but the Navy is willing to take the liability. Therefore, if justification can be provided and the Navy is willing to accept liability, polyethylene tubing can be used.

The team came to a consensus that for the exception of the one cross contamination problem, no other groundwater problems have been encountered. Therefore, this study will not be conducted at this time. However, if future quality concerns arise the need to institute a study of this nature will be implemented.

### **Operable Unit No. 9 Pump Test**

Linda Saksvig requested that Bill Mullen provide the team with the rationale for why the pump test was being instituted during the RI phase.

Mr. Mullen explained that if the pump test is conducted at this stage of the process than we reduce the potential during design to increase costs due to pumping.

Linda Saksvig stated that is assuming we go with a pump and treat alternative.

The question posed to members of the team is do we do the pump test now or wait until the extent of contamination is defined?

Bill Mullen stated that the pump test will only tell us if a pump and treat system is suitable for a feasibility study. If the actual area of contamination is larger than estimated in the RI the pump test results are no longer applicable.

A conference call will be held on July 5, 1995 involving all parties to discuss the pump test and the possible need for an additional groundwater investigation at Site 73.

### **BRAGS Update**

Linda Saksvig and Bill Mullen informed updated the team as to the status of the basewide effluent study know as Basewide Remedial Assessment Groundwater Study (BRAGS). Linda Saksvig informed the team that Baker had been contracted to conduct the study. Mr. Mullen explained the technical aspects of the study and its future intended use.

Neal Paul stated that Lynn Phillips should be the point of contact at MCB Camp Lejeune regarding GIS. Gena Townsend provided the name of Mr. Richard Hamond at USEPA as the contact for information regarding ARC-Info.

### **FY96SMP Update**

Linda Saksvig and Kate Landman requested that the discussion on this topic be tabled until the next Partnering meeting. At this time, better information regarding funding will be available in order to finalize the SMP. The Funding Status will be added to the agenda for next meeting.

### **FFA**

An action item for all team members was assigned. All team members should come up with a list of changes to the FFA for the next Partnering meeting.

### **Action Items**

- **Rich Bonelli**
- Review UST report from STC868 for conference call with LANTDIV on July 5, 1995.
- **Linda Saksvig**
- Prepare point paper to send to Gena Townsend documenting the difficulties the Team has had with the NC Wilmington office.

- Inform USEPA through written correspondence that the pump and treat systems at OU No. 1 are online; the letter must be dated June 30, 1995.
- Discuss with Mark Barnes the need to get FY95 dollars to start TPH soil treatment. Additionally, talk with Scott Park regarding the Craney Island FSC.
- Inform Lee Anne Rapp that a letter can be sent to Baker to begin the close-out of CTOs -0174 and 0177.
- Send UST report for STC868 to Rich Bonelli.
- Send letter to Charlie Stehman indicating the latest analytical groundwater findings at OU No. 14 (Site 69).

- **Kate Landman**

- Assist Linda in some of her action items.

- **Ray Wattras**

- Have figures prepared indicating analytical findings for all groundwater sampling rounds at OU No. 14 (Site 69).
- Address NC comments on the treatability study for OU No. 14 (Site 69).

- **Neal Paul**

- Have the ROD for OU No. 10 signed the week of July 17, 1995.
- Discuss Site 41 access restrictions and potential posting with base attorneys.
- Due to the issue of the timing of funding, will talk with the ROICC regarding the timing for awarding the quarterly monitoring contracts.
- Discuss with Mark Barnes the need to get FY95 dollars to start TPH soil treatment. Additionally, talk with Scott Park regarding the Craney Island FSC.
- Speak with base Public Affairs regarding a newspaper article to solicit public interest in the environmental action taking place at the base.

- **Patrick Watters**

- None

- **Matt Bartman**

- Have the ROD for OU No. 10 sent to Neal Paul so that Neal has it available for the Commanding General's signature during the week of July 17, 1995.
- Inform Don Joiner that a potential visit to Camp Lejeune may be required in the next three weeks to check on status of OU No. 1 pump and treat systems. Have Don Joiner contact Vann Marshburn.

- Inform Ray Wattras that team would like to see figures indicating analytical findings from all rounds of groundwater sampling from OU No. 14 (Site 69).
- **Jim Dunn**
  - Instruct field personnel SVE system to collect at least 12 soil samples in areas where a range of volatile contamination is evident. Prepare a work plan for this effort.
- **Byron Braut (Outstanding)**
  - Bring copies of the Partnering Handbook for all Team members to the next Partnering meeting.
- **Team**
  - Review the FFA and sections which pertain to each particular agency or organization. Come prepared to discuss amendments and additions to the FFA at the next Partnering meeting.

**Next Meetings**

Date: July 24 and 25, 1995  
 Location: Jacksonville, NC  
 Times: 1300 to 1700 hours (July 24)  
 0800 to 1700 hours (July 25)  
 Chair: Gena Townsend  
 Host: Neal Paul

Date: August 28 and 29, 1995  
 Location: Jacksonville, NC  
 Times: To be determined  
 Chair: Patrick Watters  
 Host: Jim Dunn

Date: September 25 and 26, 1995  
 Location: Raleigh, NC  
 Times: To be determined  
 Chair: Kate Landman  
 Host: Patrick Watters

**Agenda Topics for Next Meeting**

Review meeting minutes (Team)  
 Review ground rules (Team)  
 SVE system analytical results (Jim Dunn)  
 OU No. 6 field investigation results (Rich Bonelli)  
 OU No. 9 Plan of Action (LANTDIV and Baker)  
 P630/P928 Status (Neal Paul and Kate Landman)  
 Funding Status (LANTDIV)  
 FFA Amendment (Team)  
 TRC/RAB Meeting (Neal Paul)  
 Newspaper Article (Neal Paul)  
 Conflict (Team Partnering Skill)

Additional items to be provided to Gena prior to the meeting.