

## RESTORATION ADVISORY BOARD

### Meeting Minutes for Tuesday, January 6, 2004

#### RESTORATION ADVISORY BOARD MEETING MINUTES

Camp Lejeune's Restoration Advisory Board (RAB) for the Installation Restoration (IR) Program met at Coastal Carolina Community College on Tuesday, 6th January 2004 from 6:30 to 8:30 p.m. The following individuals attended:

Rick Raines	MCB, Camp Lejeune
Scott Williams	MCB, Camp Lejeune
Kirk Stevens	LANTDIV
Ray Humphries	BAKER Environmental
Laura Bader	Community Member
Rich Mullins	Community Member
Chuck Kassube	Community Member
Stephanie Canfield	Community Member
James Banks	Community Member

#### Welcome and Introductions

Mr. Raines welcomes everyone to the meeting. Mr. Williams asked that everyone give their current phone number and e-mail address so that he can update the RAB contact list.

#### New Business (Mr. Rick Raines)

Mr. Humphries asked that an updated IR Budget for MCB Camp Lejeune Program be provided at the next RAB meeting. In addition, Mr. Humphries asked that the IR team research to see if there is a TRC "master list" for the US and if so provide it at the next RAB.

#### Electric Resistive Heating at Site 89

Mr. Raines discussed at length how things are progressing at Site 89. Discussed were the delays encountered as a result of faulty CATOX equipment, and Hurricane Isabel. The CATOX equipment was repaired and is now fully operational. The Hurricane and subsequent heavy rains have also caused some problems with the Vapor Extraction equipment. Mr. Raines passed out a table that illustrated in detail the progress of the ERH system to date. Most notable information from the table was that we are currently on-schedule even with delays having extracted 3,273 lbs of VOC's. The ERH system has just recently gotten up to temperature and it is expected that the most contaminant removal will occur in the next few weeks. Also discussed were Air issues and the teams developing relationship with the NCDENR Air

Regulators.

### **Hydrogen Sparging at Site 73**

Mr. Raines discussed the fact that work has yet to commence on the 400' horizontal well that will be used at Site 73. Originally, work was to start in December of 2003. The start date was pushed back until January 6<sup>th</sup> 2004 for various reasons. Due to the fact that several of the AAV Units will be deploying in mid January, it made sense logistically to push the mob date back until after they will be gone. Baker Environmental is in contact with the Marines at Site 73 and will insure that everything is good to go for the current January 26<sup>th</sup> mob date. More info will be available at the next RAB meeting.

### **Ozone Sparging at Site 86**

Mr. Raines discussed some of the issues at Site 86 with regards to disagreements amongst the partnering team as to the potential effectiveness of Ozone sparging at this site. In recent meetings opinions have varied and subject matter experts on both sides of the issue were brought in. The partnering team expects discuss this at length at next weeks meetings and will come to a consensus and then move forward. More information and the partnering teams final decision on this and other matters at Site 86 will be available at the next RAB meeting.

### **Modified Fentons Reagent at Site 35**

Mr. Raines discussed the situation at Site 35. The plume at Site 35 is currently moving under the new bypass being constructed across Camp Geiger. The decision was made to "attack" the plume while it was directly under the median. Fentons reagent and a permanganate-polishing agent" will be used to try and significantly reduce the concentration of the plume. Based on discussions at partnering meetings it has also been decided to install 3 more injection wells on the down gradient side of the highway to "intercept the plume as it moves. The IR team is working closely with the DoT on this issue so that our work at the site does not impact their schedule.

### **Oxygen/Hydrogen Releasing Compound at Site 78**

Mr. Williams discussed the schedule for work at Site 78 and the conclusion of the pilot study. The last round of samples at Site 78 is scheduled to be taken in late January. Results from these samples are expected back around March. Once this last round of samples are completed the pilot study for Site 78 is essentially over. At that time the IR partnering team will look at the results and determine if the ORC/HRC was effective and if it has any applicability to other plumes on MCB Camp Lejeune. Preliminary data from the last round of sampling will probably be available at the next RAB meeting and this can be discussed in further detail. The last round of sampling showed some promising results.

**Conclusion**

The next RAB meeting will be held on Tuesday, March 2nd, 2004. Logistics for meeting time and location will be coordinated prior to that time. RAB members will receive a letter, an e-mail, and a phone call reminder.

**Action Items**

Provide RAB members with an updated IR Site list for MCB Camp Lejeune (Mr. Williams).

Research and try to locate a national TRC “master list” and if it exists, provide to the RAB members at the next meeting (Mr. Williams).

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