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RESTORATION ADVISORY BOARD MEETING MINUTES 11 APRIL 2006 NCBC GULFPORT  
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4/11/2006  
NCBC GULFPORT

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*Gulfport, Mississippi*

**NCBC Gulfport RAB Meeting  
Naval Construction Battalion Center  
Gulfport, Mississippi  
April 11, 2006**

The following members of the Restoration Advisory Board (RAB) met at Isiah Fredericks Community Center on April 11, 2006:

Art Conrad (Navy Co-Chair)	Joseph Mitchell
Gordon Crane	Skip McDaniel (Community Co-Chair)
Joseph Ford	Cherie Schulz
Marie Hansen	Ron Schmidting
Belinda Head	Phillip Shaw
David Marshall	Earl Whittemore

Administrative and technical support for the meeting were provided by:

Bob Fisher, Tetra Tech NUS  
Aditya Moralwar, ECC  
Nancy Rouse, EnviroComs

Other attendees included:

Derrick Evans	Mike Keller (Sun Herald)
Helene Fryou	Emma Riley
Valerie Fryou	Patsy Spinks
Glenn Markwith	Eileen Whittemore
Anna Martin	

### **Welcome**

Skip McDaniel, the Community RAB Co-Chair, opened the meeting at 6:40 pm. Glenn Markwith of the Naval Environmental Health Center was introduced. He was in the area providing support to the program.

### **Installation Restoration Program/Administrative Order Update**

Bob Fisher of TTNUS provided an overview of the work at all of the sites as follows:

#### **Post-Katrina Sampling:**

Following the storm, the EPA quickly came out to the site to collect samples to look at potential erosion and movement of dioxin contaminated soil and sediment. However, the Navy was concerned that the EPA was not collecting sampling in the best possible locations. In response, the Navy developed a sampling plan to target locations where accumulation of dioxins might be expected. Results of the Navy's sampling efforts follow:

**Outfall 3 Area:** This area was confirmed clean (less than 0.5 ppt of dioxin).

**Edwards Property:** Some upstream erosion did take place. Dioxin concentrations were slightly above MDEQ's residential standard (4.7 ppt) for dioxin. As a result, a small area of re-excavation is required on this property.

**Onbase Drainage System:** Sample results indicated very little to no movement of contaminated sediment as a result of the storm. One small area adjacent to Site 8 will require re-excavation.

**Canal No. 1:** Some samples showed concentrations of dioxin between the residential and industrial standards (i.e., between 4.7 ppt and 38 ppt); therefore, additional removal of contaminated material will take place. In particular, a sample containing 22 ppt was found between the Arndt and Bennet properties near the newer culvert that goes under the road. Roughly one third of a yard of contaminated sediment, from inside of the culvert to a location approximately 25 yards downstream will be removed. The sediment on the upstream side of the culvert is clean.

The additional contaminated material from the off-base areas that contain concentrations below 38 ppt dioxin will be placed on Sites 8 B&C. Material with concentrations higher than 38 ppt will be placed under the concrete cap.

*Question:* What about the Canal Road piles? Where will happen to that contaminated material?

*Answer:* The contaminated material in the piles will be removed to the residential standard. We're currently looking for a surveyor to compute a volume estimate.

*Question:* I thought all of the contaminated material was going to be placed under the Site 8 cap. Why is material being placed elsewhere?

*Answer:* Only the material higher than 38 ppt is required to be placed under the cap. The remaining material will most likely be placed on Sites 8 B&C. We're still working on a plan for closing Sites 8 B&C.

## **IR Program Update**

Bob Fisher provided an update of the Installation Restoration Program activities.

**Site 4:** At Site 4, the Navy is currently delineating a solvent plume and preparing to start a treatability study. Site 4 is a former landfill. The site was initially investigated because of concern about reports that the site contained disposed drums that may have contained Herbicide Orange. This concern was ruled out because geophysical investigations did not find drums nor was dioxin found in samples collected at the site. However, during the initial field investigation, one sample was found to contain vinyl chloride. Upon further investigation, a significant plume of dry cleaning solvents, moving slowly (at a rate of approximately 450 feet in 20 years and bound at approximately 16 feet below the surface by a clay layer) towards the southwest, was found beneath the site. Vinyl chloride is often found in the environment as the result of the natural breakdown (biodegradation) of solvents containing chlorine. Further, this degradation process, if it is occurring effectively, can be actually clean up the site, (a process called Natural Attenuation). Through sampling, the source of the contamination was found and it was determined that the natural attenuation process had slowed and nearly stopped. The treatability study will assess what is needed to speed up the natural attenuation.

**Site 5:** Site 5 was also a former landfill. Additional soil samples were collected at this site and analyzed for full suite plus dioxin. The dioxin concentrations in these samples ranged from 3.9 to 8.9 ppt. Because of the location of this site, it will most likely be capped with a low permeability cover to prevent the infiltration of surface water.

**Site 6:** The bioslurper system that was formerly active at Site 6 was destroyed during Katrina. The Navy is currently discussing possibilities for closing the site.

**Site 10:** The Remedial Investigation and Feasibility Study are currently in review by the state. The Remedial Design will begin soon. Site 10 was a Polychlorinated Biphenyl (PCB) site most likely resulted from the dumping of transformers. Before the initial removal action, up to 16,000 ppm? PCBs were found at the site. The next step is to recommend a remedy for the site, which will most likely be either covering it with a concrete cover or removing the remaining PCBs.

*Question:* How deep was the PCB contamination?

*Answer:* The contamination was found as deep as 10 feet.

### **Dioxin Cleanup Update**

Aditya Moralwar, a subcontractor to ECC, provided a brief overview of progress being made on the dioxin cleanup as follows:

- Field demonstration of the stabilization of the sub-base layer was successfully completed.
- Excavation and transportation of wetlands sediments and on-base drainage channels to Site 8A is approximately 75% completed.
- Preparation and compaction of sub-base layer on Site 8A has been completed
- Approximately 75% of contaminated wetlands, drainage channel and ash have been stabilized at Site 8A.

### **Conclusion**

It was decided that next meeting would be an administrative meeting to review the charter and discuss the roles and responsibilities of the RAB. Nancy will poll the RAB members to determine the best date for the meeting.

The meeting closed at 8:30 pm.