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NCBC GULFPORT
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MINUTES FROM TECHNICAL REVIEW COMMITTEE MEETING FROM 27 OCTOBER 1994
NCBC GULFPORT MS
10/27/1994
NCBC GULFPORT

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**Technical Review Committee Meeting
Naval Construction Battalion Center
Gulfport, Mississippi
October 27, 1994**

Attendees:

Steve Dickerson	Mississippi Department of Environmental Quality
Phillip Weathersby	Mississippi Department of Environmental Quality
Bill Oakley	U.S. Geological Survey
Sharon Delchamps	U.S Fish and Wildlife Service
Robin Alfred Midcalf	Harrison County
Ed Cake	Gulf Coast Esturine Association
Capt. John Lehman	NCBC, Gulfport
Gordon Crane	NCBC, Gulfport
Nancy Brooks	NCBC, Gulfport
Jerry Davis	NCBC, Gulfport
Marshall Knight	Southern Division, NAVFACENGCOM
Sue Lawley	Southern Division, NAVFACENGCOM
Penny Baxter	ABB-ES
Nancy Rouse	ABB-ES
Marland Dulaney	ABB-ES
Reverend Lee J. Adams, Jr.	Community Representative, Gulfport, MS
Donnell K. Magee	Community Representative, Gulfport, MS

The meeting commenced at 1:00 p.m. with introductions of all participants. Ms. Penny Baxter of ABB-ES then presented the results of the Free Phase Assessment for Site 6.

She described Site 6 as covering approximately 2 acres of land which contained two unlined pits which have since been filled with soil. From 1966 to 1975 these pits received flammable liquids that were burned to train firefighters. Free-phase product (i.e., liquids that are less dense than water, and therefore "float" on top of the water) accumulated as a result of incomplete burning of the flammable liquids. This site is currently used for electrician training.

Ms. Baxter then summarized the previous investigations at the site and described the recently completed Free-Phase Assessment and Free-Phase Interim Remedial Design. The field investigations associated with this work included collection of environmental data to define the nature and extent of the free-phase product and collection of engineering data to support design of the cleanup (or interim remedial action). The interim remedial design addressed removal of free-phase product from the surficial aquifer (i.e., the aquifer closest to the surface). The design includes lowering (i.e., depressing) the water table by removing water with three pumps. The depressed water table will allow the free-phase product and groundwater to move into a recovery trench at an accelerated rate. The free-phase product

will be separated from the groundwater in an oil/water separator. The product will then be pumped from the oil/water separator, accumulated in a tank, and recycled or otherwise disposed in accordance with federal and state regulation. The water will be pumped from the oil/water separator into an air stripper, where the volatile (i.e., easily evaporated) compounds will be removed. The "clean" water will be pumped to a discharge tank, and eventually into the local city sewer system.

Ms. Baxter opened the floor to questions. The questions and the associated answers are paraphrased below:

Question: What pumping rate was used in the pilot study?

Answer: Approximately 5 to 7 gallons per minute

Question: What is the estimated volume of product in the free-phase plume?

Answer: 30,000 gallons

Question: Is the system "off-the shelf" ?

Answer: This is not an off-the-shelf technology in the strictest sense of the word. However, pump and treat is a well-proven technology.

Question: What porous material are you using around your extraction wells?

Answer: Medium to fine sand

Question: What is the depth limitation of the technology?

Answer: The water table is so shallow at the base that the depth limitations are not an issue. The trenching technology has a depth limit of approximately 30-feet below ground surface.

Question: Who disposes of the free product?

Answer: The Removal Action Contractor, Morrison-Knudson.

Mr. Crane noted that The Free-Phase Assessment Report is available at the Information Repository located in the Gulfport public library.

Ms. Nancy Brooks of NCBC Gulfport introduced the Commanding Officer of NCBC, Capt. Lehman. (Capt. Lehman had arrived during Ms. Baxter's presentation.) Ms. Brooks introduced the concept of the Restoration Advisory Board, or RAB, as an important step in increasing public participation in the IR Program at NCBC Gulfport. Ms. Brooks introduced

the plan to request that the chairman of the environmental committee of the Gulfport Chamber of Commerce take on the responsibility of setting up the selection panel for the RAB.

Ms. Brooks introduced Ms. Nancy Rouse of ABB-ES who provided additional information about the process of establishing a RAB. The only concern voiced about the selection of the RAB was that the using the Chamber of Commerce to establish a RAB selection panel may result in a biased panel. NCBC noted the concerns for careful consideration.

End.