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NCBC GULFPORT
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LETTER REGARDING TRANSMITTAL OF PROGRESS REPORT FOR FREE PHASE
PRODUCT ASSESSMENT SITE 6 NCBC GULFPORT MS

9/27/1993

ABB



September 27, 1993

Commanding Officer
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
North Charleston, SC 29418

Attention: Mr. Kenneth Barnes

Subject: NCBC Site 6 Free Phase Product Assessment
Contract Task Order 096
Progress Report

Dear Ken:

This progress report covers the period from the July 1 Notice to Proceed date through September 27, 1993. The status of major task activities conducted during this CTO, as well as projected activities, are summarized in Attachment 1.

If you have any questions, please call me at (615) 531-1922.

Sincerely,

ABB ENVIRONMENTAL SERVICES, INC.

Penny M. Baxter
Senior Project Manager

attach

cc: Project files

ABB Environmental Services Inc.

ATTACHMENT 1 - FPPA ACTIVITIES

A. WORK ACCOMPLISHED DURING REPORTING PERIOD

Notice to proceed was given on July 1, 1993. Work on the FPPA outline began.

Plans for a meeting with MSDEQ were formulated. The date set, July 22, was one week past the projected scheduled time. Copies of the outline for the work plan were forwarded to MSDEQ on July 14 and to USGS personnel. Philip Weathersby is the technical contact for the State of Mississippi.

A meeting was held in Jackson, MS with USGS personnel on July 21, 1993 to discuss the FPPA work plan outline. In attendance were John Harsh, Bill Oakley, Ken Barnes, Kurt Sichelstiel, Gordon Crane, and Penny Baxter. Meeting minutes are included as Attachment 2.

A meeting was held in Jackson, MS on July 22, 1993 at MSDEQ facilities to present the FPPA proposed activities. In attendance were MSDEQ, USGS, SouthDiv, and ABB-ES personnel. Meeting minutes are included in Attachment 3.

Procurement for laboratory services for the free product fingerprint began on July 27, 1993. The sample kit was delivered to NCBC Gulfport on August 18. The laboratory had recommended a hydrocarbon fingerprint. If this analysis indicated the presence of components other than hydrocarbon products, a mass spectrometer analysis would be done. A sample for the presence of dioxins was included in the sample kit.

The USGS collected the free product sample on August 25, 1993.

Procurement of the date-display camera scoped for this assessment was started on September 7, 1993. The camera was ready for pickup on September 24.

The preliminary draft of the FPPA work plan was forwarded to SouthDiv on September 16, 1993.

On September 20, 1993 the analytical laboratory delivered a verbal report of the sample analysis. The free product sample contained 60-70% diesel with the remainder of the sample being heavier lubricating oils. No evidence for the presence of solvents was found. Therefore, no mass spectrometer analysis was done. The results of the dioxin analysis was promised for September 22, but was later changed to September 27 due to sample cleanup problems in the laboratory.

Incidental to a site visit for the Herbicide Orange ash and ground water sampling POA, photographs were taken of Site 6. A copy of those photos is included as Attachment 4.

B. FUTURE PROJECT ACTIVITIES

Plans are being formulated for a meeting of SouthDiv, the Activity, and ABB-ES to finalize the work plan. Once finalized the plan will be forwarded to the MSDEQ for approval. A meeting will be held in mid-October with MSDEQ to seek approval of the proposed activities.

Procurement will begin the first week of October for the subcontractors associated with the field activities. This will include Hydropunch II, drilling, analytical laboratory, data validation, and surveying services. The LOE for procurement of these services may be minimalized because we expect to utilize the Statements of Work developed on the Kings Bay project.

The original baseline schedule with a NTP date of June 23 called for field activities to start on November 1. The actual NTP date was July 1 making the November 1 date slip by one week. Given current plans for finalizing the work plan, a start date for field activities of November 8 is reasonable.

C. FINANCIAL STATUS SUMMARY AND PROJECTION

The camera purchased was estimated at \$300. Final cost of the camera was approximately \$260.

The work plan effort was estimated to utilize 536 hours. As of September 17 only 279 hours have been expended. It is expected that this effort will have a significant underrun.

D. TECHNICAL STATUS SUMMARY AND PROJECTION

No technical problems are anticipated. The question of IDW disposal for waste from the pump test will need to be addressed.

ATTACHMENT 2 - MEETING MINUTES - USGS JULY 21

Meeting Minutes
Site 6 Free Phase Product Assessment
NCBC Gulfport, MS
21 July 1993

Attendees:

John Harsh	USGS	Jackson, MS
Bill Oakley	USGS	Jackson, MS
Kenneth Barnes	SouthDiv	Charleston, SC
Kurt Sichelstiel	ABB-ES	Knoxville, TN
Gordon Crane	NCBC Gulfport	Gulfport, MS
Penny Baxter	ABB-ES	Knoxville, TN

A meeting was held at the offices of the USGS in Jackson, MS on July 21, 1993. The purpose of the meeting was to discuss the free phase product assessment (FPPA) activities at Site 6, NCBC Gulfport and to discuss the meeting to be held with MSDEQ on the following day. ABB-ES had furnished advance copies of the outline for the work plan to the attending parties.

Ken Barnes began the meeting with a discussion of the need to meet SouthDiv design guidance cited for Remedial Action Contractors (RACs). Mr. Barnes stated that DEQ needed to give guidance on requirements for community relations. The question needs to be asked, "How much is needed?"

Kurt Sichelstiel presented the conceptual model of the site and the proposed activities for the investigation.

Ken voiced concern over the potential presence of DNAPLs. Proposed activities include the installation of wells at the water table aquifer/clay interface. Samples of the groundwater at this interface will provide an initial assessment of the presence of DNAPLs.

The question of drum labeling and storage for > 90 days was brought up. Gordon will look into the issue of IDW storage. Also, the issue of tanks vs. drums for the pump test IDW was discussed but no decision was made.

The attendees discussed the idea of taking a sample of the free product for fingerprinting. Agreement was reached that ABB would secure the laboratory and sample kit. The USGS agreed to take the sample.

The USGS stated that their data base had wells within a certain radius of the base and that the data would be available to ABB when needed.

END.

ATTACHMENT 3 - MEETING MINUTES - MSDEQ JULY 22
Meeting Minutes
Site 6 Free Phase Product Assessment
NCBC Gulfport, MS
MS Department of Environmental Quality Meeting
22 July 1993

Attendees:

John Huey	601-961-5113	MSDEQ
Ken Barnes	803-743-0669	SouthDiv
John Harsh	601-965-5582	USGS/MS
Jim Hardage	601-961-5056	MSDEQ
Gordon Crane	601-871-2485	NCBC Gulfport
Kurt Sichelstiel	615-531-1922	ABB-ES
Penny Baxter	615-531-1922	ABB-ES
Bill Oakley	601-965-5788	USGS/MS

A meeting was held at the offices of MSDEQ on 22 July 1993 to discuss plans to conduct a free phase product assessment at NCBC Gulfport Site 6.

The meeting opened with an introduction to the program and funding mechanism by Ken Barnes. A discussion of protocol to follow for community relations followed. The conclusion was reached that as far as community relations was concerned the State would be satisfied if Navy Clean guidelines were followed, not necessarily all RCRA requirements. Gordon Crane stated that he had developed a mailing list of nearby households. The consensus was what this site may not be particularly interesting to the surrounding landowners since the potential for an off-site release is marginal. Ken stated the need to include on-base personnel. The State was asked if they had a copy of the Community Relations Plan. Gordon volunteered to send one if they did not.

Penny Baxter continued with an introduction to the site and its history. The outline for the Free Phase Product Assessment was presented and discussed.

Kurt Sichelstiel discussed specific activities planned at the site. The conceptual model of what is known/believed to be the current site conditions was presented. Specific investigation tasks will include Hydropunch II samples on a grid, determining the nature and extent of the free product, installation of piezometers, pilot scale testing for extraction of free product, and modeling of groundwater parameters. The engineering tasks will include removal evaluation and technology selection.

Ken Barnes briefly outlined the role of the USGS in aiding the investigation. He asked the question "What does the MSDEQ require?"

Jim Hardage (?) stated that the State did not want to throw up obstacles but did return to one of their original RI/FS concerns

which is groundwater flow. A discussion followed concerning justification for looking at groundwater flow on a base-wide basis rather than limited to Site 6. Ken made the comment that if initial data at Site 6 warrants a further look at groundwater flow then the investigation can possibly expand from the site. The possibility of an interfering plume from Site 5 was discussed. A brief discussion of IDW followed. The conclusion was that the MSDEQ program follows federal guidelines.

The State expressed interest in getting preliminary data from this study. Penny suggested that technical bulletins may be available as a quick source of unvalidated, preliminary data.

END.

ATTACHMENT 4 - SITE 6 PHOTOGRAPHS

Legend for Site 6 Photographs

- A. View looking west to east; photographer is standing on Colby Avenue. Well GPT-6-1 is visible to the right.
- B. View looking west to east; photographer is standing on Colby Avenue. Well GPT-6-1 is in center of photo with well GPT-6-2 in the distance.
- C. Similar view as A and B but taken more to the south. Wells GPT-6-1 and GPT-6-2 are visible. On the right is the building used for training activities.
- D. Similar view as A but taken more to the north (left). Well GPT-6-3 is shown.
- E. View looking east to west; photographer is standing on Simms Avenue. View shows well GPT-6-2 in foreground with well GPT-6-1 barely visible through the poles.
- F. Similar view to E. Well GPT-6-2 is visible as well as the CE Pole Field sign.