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NCBC GULFPORT
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MONTHLY ASSESSMENT REPORT FOR FREE PHASE PRODUCT BETWEEN 7
DECEMBER 1993 AND 31 DECEMBER 1993 SITE 6 WITH TRANSMITTAL NCBC GULFPORT

MS
12/14/1993
ABB



39501-IRP
18.03.06.0004

REC 1/20/94

14 December 1993

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

Attention: Mr. Marshall Knight

Subject: NCBC Site 6 Free Phase Product Assessment
Contract Task Order 096
Progress Report - December 1993

Dear Marshall:

This progress report covers the period from 7 December 1993 through 31 December 1993. The status of major task activities conducted during this CTO, as well as projected activities, is 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

pc: file

[8505.008]

ABB Environmental Services Inc.

ATTACHMENT 1

MONTHLY PROGRESS REPORT
DECEMBER 1993
NCBC GULFPORT SITE 6
CTO 96

A. WORK ACCOMPLISHED DURING REPORTING PERIOD

The sampling strategy letter dated 6 December 1993 was faxed to Mr. Philip Weathersby/MSDEQ. Philip called and gave a verbal ok on the sampling plan for the soil and monitoring wells. During the conversation I assured him that we were going to leave some hydropunch holes open to use for observation during the pump test.

The second field shift, monitoring well installation, began on 6 December and ended on 16 December 1993. During this effort three shallow water table monitoring wells, two "deep" monitoring wells, and one recovery well were installed. Several selected hydropunch points were semi-permanently preserved by installing sand packs and seals. These points were kept as observation portals to use during the pump test during field shift number 3. The drilling subcontractor abandoned the remaining holes by removing the hydropunch screens and filling the holes to surface with grout. While drilling the monitoring wells soil samples were collected at various depths and sent to the analytical laboratory. Upon completion and development, the monitoring wells were sampled according to the sampling strategy letter dated 6 December 1993.

Photographs taken during the first and second field shifts are presented in Attachments 2 and 3, respectively.

After completion of the second field shift work began on writing the second technical bulletin. The delivery of this technical bulletin was in early January.

Writing of the fact sheet for this activity was started during this time period. Upon approval by the Base, the sheet will be finalized and issued for distribution.

B. FUTURE PROJECT ACTIVITIES

The pump test was scheduled to start on 10 January. As of this writing the test has been completed. Next month's report will detail the activities accomplished during this effort.

The third and final technical bulletin will be completed during January and distributed to team members.

Upon completion of TB 06-03, all data collected will be evaluated and writing of the Free Phase Product Assessment Report will start. It is anticipated that the engineering evaluation will start in February.

C. FINANCIAL STATUS SUMMARY AND PROJECTION

No significant additional costs have been identified since the November report. In the latest TFMR the field investigation has been estimated to go approximately \$14,000 to \$15,000 over the budgeted amount.

It appears that the cost of sampling the IDW may be less than originally thought. We are still talking with the waste handlers for Gulfport, but initial impressions are that our data from sampling may be better than any requirements they may have and that the waste handlers would accept our analytical data.

D. TECHNICAL STATUS SUMMARY AND PROJECTION

The IDW sampling issue has been resolved. One trip by one person (Bob Fisher) may be required to conclude the IDW sampling.

ATTACHMENT 2
PHOTOGRAPHS AND DESCRIPTION
FIELD SHIFT # 1
NOVEMBER 1993

Hydropunch II activities
Field shift no. 1
Roll No. 2

Note: Photographs taken with site camera with printed date capacity.

<u>Photograph Number</u>	<u>Description</u>
2-1	Drill crew and Hydropunch II rig driving screen on hole J-14.
2-2	Same as 2-1.
2-3	Drill crew hammering Hydropunch II point into place on J-14. Note hammer near top of picture (enlarged portion of drill stem) and use of rope on cat head to raise hammer.
2-4	Driller's helper using post hole digger to start the first two feet of the Hydropunch II hole K-14.
2-5	Bob Fisher holding clear bailer with free product pulled from monitoring well GPT-6-1. Approximately 2 ft of free product was present.
2-6	Same as 2-5.
2-7	Driller's helper deconning Hydropunch II drill assembly by steam cleaning in constructed decon pit.
2-8	Close up of Hydropunch II expendable drive point, well screen, and overshot drive casing.
2-9	Bob Fisher explaining drilling process to Gordon Crane on hole I-13.
2-10	Same as 2-9.
2-11	Close up looking down into Hydropunch II hole K-14. Large bored area was done with post hole digger. Pipe sticking up is the well screen left by the Hydropunch process.
2-12	Bob Fisher raising bailer from Hydropunch II hole M-19 installed within the north pit area.
2-13	Bob Fisher showing USGS personnel bailer sample from hole L-21.
2-14	Drilling crew takes a break.
2-15	Crew attaching push rods to advance deep Hydropunch II hole J-19.
2-16	Same as 2-15.
2-17	View of areas 77-76 north of Site 8-A.
2-18	View of areas 79-78 north of Site 8-A.
2-19	View of areas 81-80 north of Site 8-A.
2-20	View of areas 84-83 north of Site 8-A.
2-21	Bob Fisher with bailer from hole M-18 showing presence of free product.
2-22 to 2-24	Unexposed.

End of roll.

Hydropunch II activities
Field shift no. 1
Roll No. 3

Note: Photographs taken with disposable panorama camera. These photos were taken at the end of shift no. 1 to illustrate the condition site was left in.

Photograph
Number

Description

3-1	Unexposed.
3-2	F-15 fighter plane. Taken from the Hampton hotel.
3-3	Same as 3-2.
3-4	Photograph of completed and cleaned site after Hydropunch II field activity. White stickup casings are Hydropunch II sites. Area was roped off at the request of the Base. View is from west looking east.
3-5	Same as 3-4. View is from north looking south. Well GPT-6-3 is visible near ditch on right of photo.
3-6	Same as 3-4. View is from west to east. Well GPT-6-1 is visible in center of photo. Drums contain soil IDW from Hydropunch activity.
3-7	Close up on Hydropunch II stickup.
3-8	Same as 3-4. View is from west to east. Well GPT-6-1 is in center of photo and well GPT-6-2 barely visible in distance on right.
3-9	Same as 3-4. View is from south to west.
3-10	Same as 3-4. View is from south to north. Well GPT-6-1 in center of photo.
3-11	Same as 3-4. View is from south to east. Well GPT-6-2 is visible to the right.
3-12	Same as 3-4. View is from north to south-west. Well GPT-6-1 is in center of photo. Photographer is standing on the area underlain by the north pit.
3-13	Same as 3-12. View is from north to south. Well GPT-6-1 is on the right and well GPT-6-2 on the left.

End of roll.

ATTACHMENT 3
PHOTOGRAPHS AND DESCRIPTION
FIELD SHIFT # 2
DECEMBER 1993

Monitoring well installation activities
Field shift no. 2
Roll No. 4

Note: Photographs taken with disposable camera. It appears from the negative numbers and known sequence of events that the processor got the time sequence wrong. Note 4-20 has no wells but 4-3 has wells GPT-6-4 and GPT-6-5 installed.

<u>Photograph Number</u>	<u>Description</u>
4-0	View of backhoe used on site at recovery well location.
4-00	View of Baker tank set on site to contain development and purge waters.
4-1	Completed well head and pad at newly installed GPT-6-8.
4-2	View of partly completed well stickup, pads and posts at well pair GPT-6-4 and GPT-6-5.
4-3	Drill rig and cement truck. Cement truck was utilized to grout abandon the Hydropunch II holes.
4-4	Close up of bottom of hollow stem auger assembly showing mud-caked auger head.
4-5	Front of drill rig, well GPT-6-1, Baker tank, and backhoe.
4-6	Hydropunch II hole near Baker tank completed with sand pack and grouted to surface.
4-7	Unexposed.
4-8	Field van and drillers pickup.
4-9	Drilling set up on recovery well (?). Note Hydropunch II hole in foreground.
4-10	Same as 4-9.
4-11	Unexposed.
4-12	Drill rig.
4-13	F-15 fighter flying above site.
4-14	Same as 4-13.
4-15	Same as 4-13.
4-16	Base SeaBee statue.
4-17	Same as 4-16.
4-18	Site before well installations showing Hydropunch II stickups.
4-19	Same as 4-18. View is from the west looking north-east.
4-20	Same as 4-18. View is from west to east.
4-21	View of well points installed in the ditch and at the edge of the ditch. These are near GPT-6-3.
4-22	Same as 4-21 including well GPT-6-3 on right.
4-23	Same as 4-22.