

N62604.AR.000376  
NCBC GULFPORT  
5090.3a

LETTER REGARDING SAMPLING STRATEGY SPECIFICS FOR FREE PHASE PRODUCT  
SITE 6 NCBC GULFPORT MS  
12/2/1993  
ABB

39501-IRP  
18.01.06.0003



3 December 1993

Mr. Gordon Crane  
NCBC Gulfport  
5200 CEC 2nd Street  
Building 322  
Gulfport, MS 39501-5001

Subject: Sampling strategy specifics for FPPA Site 6

Dear Gordon:

Contained in this letter are sampling strategy specifics to clarify our interim action design field sampling. The original sampling of wells, although scoped, had not been well defined for the Site 6 well sampling. Enclosed is a table and map explaining what we propose to sample for and where. Listed below are some of the reasons that outline the logic used in selecting this sampling strategy.

- Soil samples from the unsaturated zone near one of the sources (north pit) and soil in the saturated zone will be collected for analysis of a full TCL suite and will be considered as representative on soil conditions in and near the aquifer.
- Soil samples from a boring associated with the south pit will be analyzed for VOC, SVOC, and TPH at the 8-10 ft interval.
- Deep soil samples (20-22 ft) from borings associated with both the south and north pits will be collected for analyses of VOC and SVOC.
- The shallow well associated with the north pit (GPT-6-6) and the shallow well associated with the south pit (GPT-6-7) will both be sampled for the full TCL suite. These samples will be either in or downgradient from a potential source.
- Groundwater from the other proposed and existing wells will be sampled for indicator parameters which will include VOC, SVOC, and TPH. Well number GPT-6-8 will be for observation purposes only along with a few selected Hydropunch drive points.

We will need to send these to Phillip Weathersby at the MSDEQ to get his input. I am sending a copy of this letter to the USGS for their review. Can I proceed with this?

Please call me at (615) 531-1922 if you have any questions or concerns.

Sincerely,  
ABB Environmental Services, Inc.



Penny M. Baxter  
Senior Project Manager

pc: J. Harsh/USGS  
✓ D. Criswell/SoDiv  
P. Weathersby/MSDEQ  
file

{8505.003}

ABB Environmental Services Inc.

GULFPORT SITE 6  
FORMER FIRE-FIGHTING TRAINING PITS

SAMPLING PROGRAM  
SUBSURFACE SOILS

Sample Type	B-6-4 3-5 ft	B-6-4 8-10 ft	B-6-4 20-22 ft	B-6-5 8-10 ft	B-6-5 20-22 ft
TCL-CLP VOAs	X	X	X	X	X
TCL-CLP SVOAs	X	X	X	X	X
TCL-CLP PEST/PCBs	X	X			
TAL-CLP INORGANICS W/CYANIDE	X	X			
TPH (METHOD 418.1)	X	X		X	
TOC (METHOD 415.1)					X
HERBICIDES (METHOD 8150)	X	X			
DIOXANS/FURANS (METHOD 8290)	X	X			
TRIP BLANK	XP			XP	
POTABLE WATER FIELD BLANK	XF				
DISTILLED WATER FIELD BLANK	XF				
EQUIPMENT RINSATE FIELD BLANK	XF			XL	
DUPLICATE	XF				
MATRIX SPIKE	XF				
MATRIX SPIKE DUPLICATE	XF				

XF = FULL SUITE OF ANALYSIS  
 XP = ONLY VOAs  
 XL = ONLY VOAs, SVOAs, TPH, TOC

GULFPORT SITE 6  
FORMER FIRE-FIGHTING TRAINING PITS

SAMPLING PROGRAM  
GROUNDWATER

Sample Type	GPT-6-1	GPT-6-2	GPT-6-3	GPT-6-4	GPT-6-5	GPT-6-6	GPT-6-7	GPT-6-8	GPT-RW
TCL-CLP VOA <sub>s</sub>		X	X	X	X	X	X		
TCL-CLP SVOA <sub>s</sub>		X	X	X	X	X	X		
TCL-CLP PEST/PCBs						X	X		
TAL-CLP INORGANICS W/CYANIDE						X	X		
TPH (METHOD 418.1)		X	X			X	X		
TOC (METHOD 415.1)						X	X		
HERBICIDES (METHOD 8150)						X	X		
DIOXANS/FURANS (METHOD 8290)						X	X		
TRIP BLANK		XP		XP		XP			
EQUIPMENT RINSATE FIELD BLANK		XO		XD		XF			
DUPLICATE						XF			
MATRIX SPIKE						XF			
MATRIX SPIKE DUPLICATE						XF			

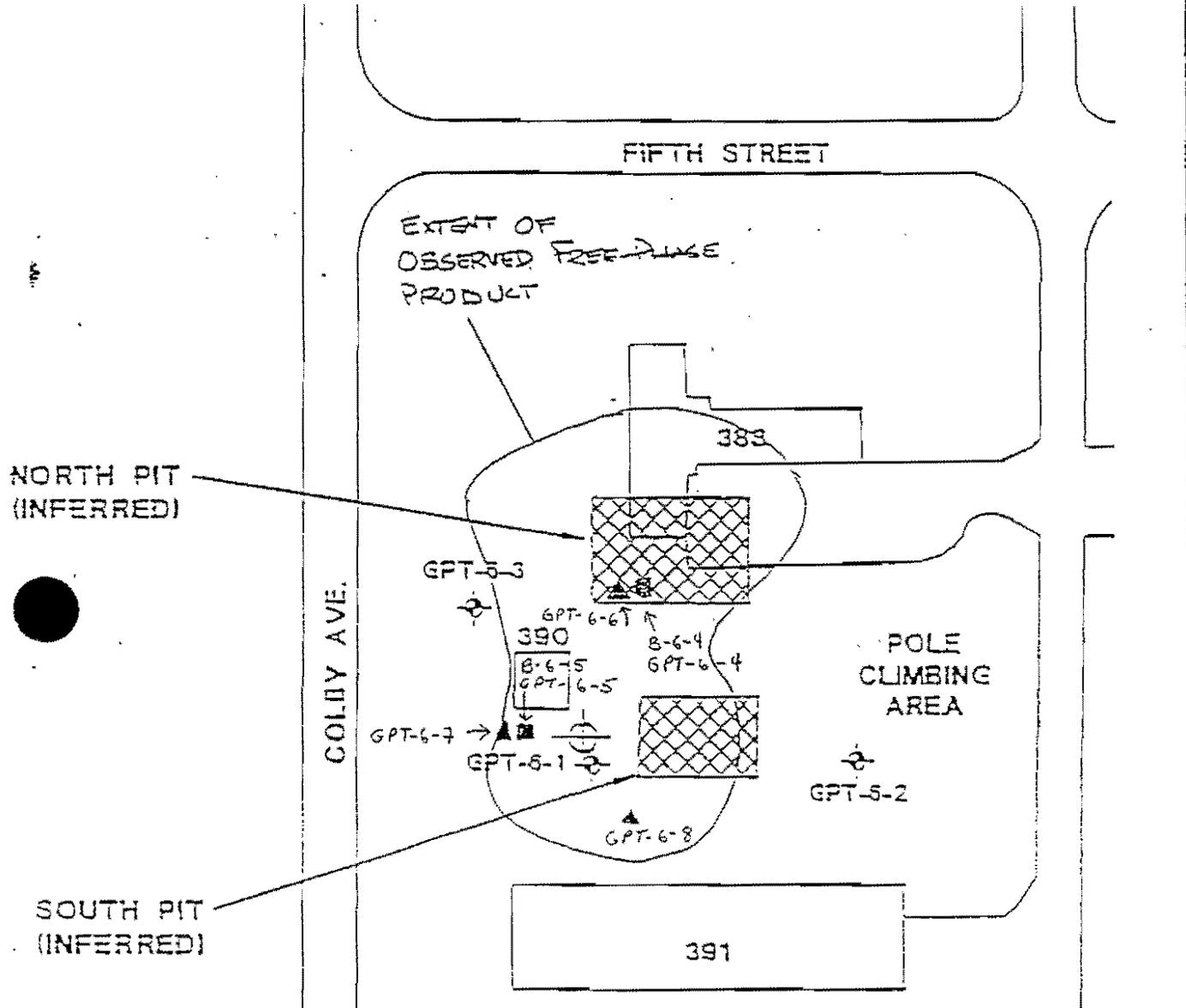
XF = FULL SUITE OF ANALYSIS

XP = ONLY VOA<sub>s</sub>

XO = ONLY VOA<sub>s</sub>, SVOA<sub>s</sub>, TPH

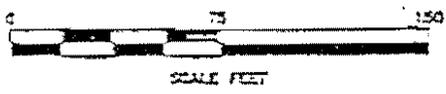
XD = ONLY VOA<sub>s</sub>, SVOA<sub>s</sub>

PROPOSED MONITORING WELL AND RECOVERY WELL LOCATIONS



LEGEND

- MONITORING WELL
- PROPOSED SHALLOW MONITORING WELL
- PROPOSED DEEP MONITORING WELL
- PROPOSED RECOVERY WELL



F-PPA/AD WORK PLAN  
MORC GULF REPORT