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MCRD PARRIS ISLAND
5090.3a

EMAIL REGARDING FOURTH ROUND OF PRE-DESIGN CONFIRMATION SAMPLING AT
SITE 1 INCINERATOR LANDFILL AND SITE 41 FORMER INCINERATOR WITH
ATTACHMENTS MCRD PARRIS ISLAND SC
5/16/2003
ECC

Sladic, Mark

From: David Steele [DSteele@ecc.net]
Sent: Friday, May 16, 2003 8:18 AM
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wendtp@mrd.dnr.state.sc.us; Tom.Dillon@noaa.gov; mmcrae@parallaxnet.com; Sladic, Mark
Subject: 4th round of sampling at Parris Island Site 1/41

Hello all,

As discussed in the last Monthly Installation Restoration Partnering meeting, we would like to undertake the fourth round of sampling at Site 1/41 concurrent with our finalization of the design/work plan. Attached is a write up and figure describing where we propose to sample and also presenting the results from the third round of sampling. We propose to perform the work during the week of 5/19 or 5/26. If anyone wants to be present for the sampling, please contact me early in the week of 5/19.

Thanks,

David Steele, P.E.

5/16/2003

Fourth Round of Pre-Design Confirmation Sampling Work Plan

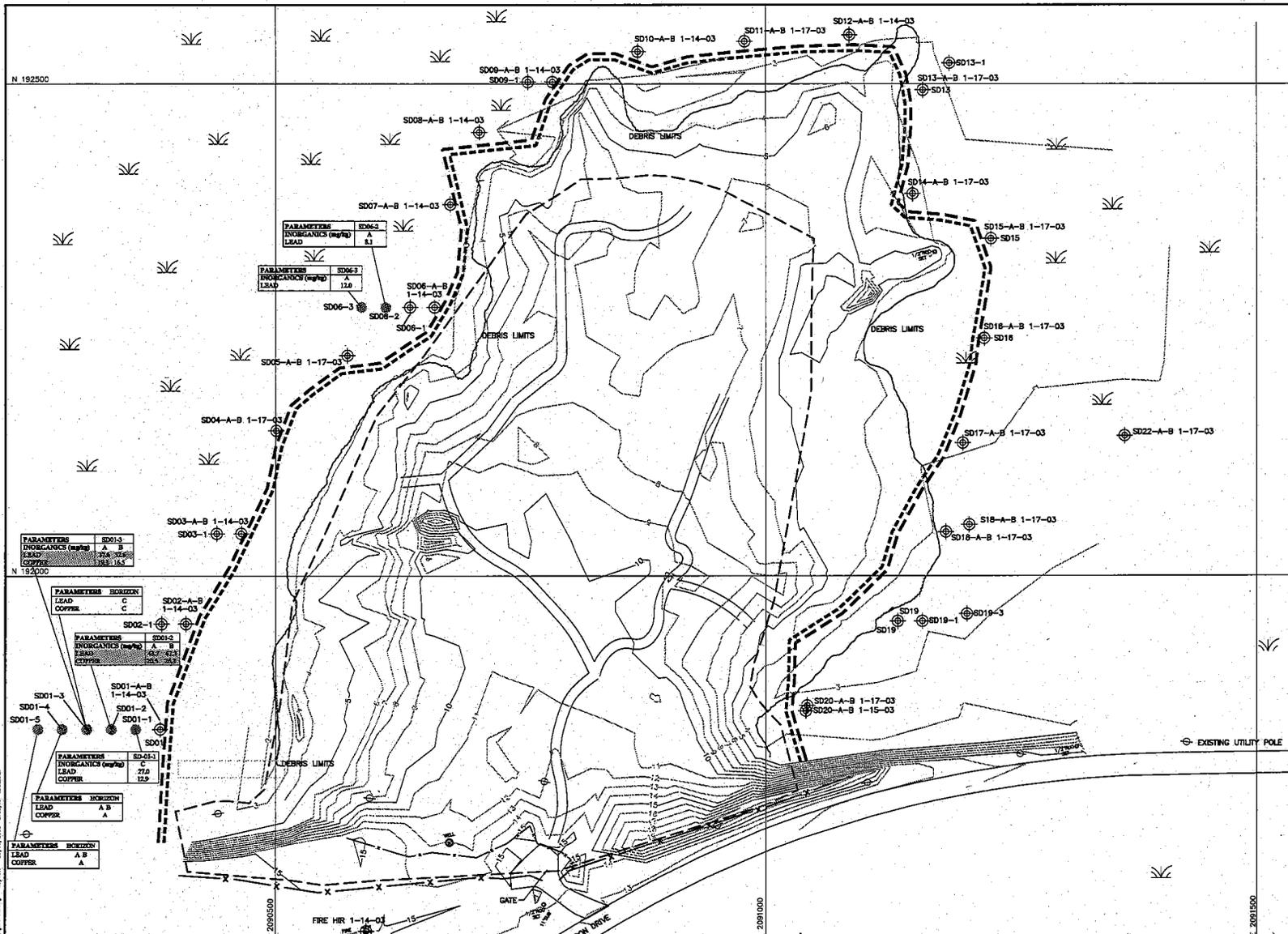
The enclosed revised Figure 3 shows the results of the third round of pre-design confirmation sampling, as well as the proposed locations for the fourth round of pre-design confirmation sampling. The following table presents the proposed sediment sampling locations for the fourth round of pre-design confirmation sampling. Sampling is proposed for the week of 19 May or 27 May 2003.

Sample location SD01 is the only remaining area with impacts. The samples (SD01-3) from the A horizon (0 to 12 inches), 75 feet from the original sample location of SD01-1, were above the EPA Region 4 Ecological Screening Values (ESV) for both lead and copper. The B horizon sample at SD01-3 (12 to 24 inches) was above the ESV for lead only.

Proposed Sediment Sampling Location	Horizon to be Sampled & Parameters
SD01-3	C horizon -lead
SD01-4	A horizon - lead & copper
SD01-4	B horizon - lead
SD01-5	A horizon - lead & copper

Notes:

- SD-## A sample location with a "-1" is 25 feet out from the initial sample location point, -2 is 25 feet out from -1 sample location, etc.
- A horizon sample collected from 0 to 12 inches
- B horizon sample collected from 12 to 24 inches
- C horizon sample collected from 24 to 36 inches



COCC	REGION 4 ES&V
SEMIVOLATILES (mg/kg)	
BENZO (A) PYRENE	434(9)
TOTAL PAHs	1,684
INORGANICS	
COPPER	18.7
LEAD	30.2

LEGEND

- 5 — EXISTING CONTOUR
- - - - - LIMITS OF WASTE RELOCATION
- - - - - LIMITS OF FINAL COVER SYSTEM
- - - - - CONSTRUCTION LIMITS
- X X X X X TEMPORARY CONSTRUCTION FENCE
- ~ ~ ~ ~ ~ SALTWATER MARSH
- PROPOSED SAMPLING LOCATION
- ⊙ SD18 1-17-3
- ⊙ ACTUAL SAMPLED LOCATION

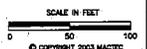
- NOTES:**
1. THE TOPOGRAPHIC MAP WAS SURVEYED BY GASQUE AND ASSOCIATES OF BEAUFORT, S.C. IN NOVEMBER 2001 AND SEPTEMBER 2002.
 2. HORIZONTAL COORDINATE REFERENCES TO NAD83, VERTICAL DATUM TO NAVD 88.
 3. U.S. EPA REGION 4 ECOLOGICAL SCREENING VALUES (U.S. EPA, 1995)
 4. U.S. EPA REGION 9 PRG RESIDENTIAL SOIL TABLE (U.S. EPA, 2000)
 5. SAMPLE "A" IS COLLECTED FROM 0-12 INCHES BELOW THE SURFACE.
 6. SAMPLE "B" IS COLLECTED FROM 12-24 INCHES BELOW THE SURFACE.
 7. SAMPLE "C" IS COLLECTED FROM 24 TO 36 INCHES.
 8. ONLY SAMPLE LOCATIONS WITH CONCENTRATIONS EQUAL OR GREATER THAN REGION 4 ES&V ARE LISTED, ALL OTHERS ARE BELOW REGION 4 ES&V. ALL LOCATIONS WERE ANALYZED FOR LEAD, COPPER, MERCURY, & PAHs.

PARAMETERS	HORIZON	SD01-3
INORGANICS (mg/kg)	A B	
LEAD		278
COPPER		188

PARAMETERS	HORIZON	SD02-1
INORGANICS (mg/kg)	A B	
LEAD		42.7
COPPER		42.3

PARAMETERS	HORIZON	SD01-1
INORGANICS (mg/kg)	A B	
LEAD		379
COPPER		129

PARAMETERS	HORIZON	SD01-2
INORGANICS (mg/kg)	A B	
LEAD		379
COPPER		129



REV	DATE	BY	DESCRIPTION

SITE SWM 1 AND SWM 41
SOUTH CAROLINA

MACTEC Engineering and Consulting, Inc.
3300 TOWN POINT DRIVE
KENNESAW, GEORGIA 30144 (770) 421-3400

FIGURE 3
PROPOSED SEDIMENT
SAMPLING LOCATIONS

SCALE	AS SHOWN
CONTRACT	
DWG. NO.	REV. PAGE NO.