EMAIL REGARDING U S EPA REGION IV COMMENTS ON FIELD TEST RESULTS FOR SOIL AT SITE 27 EQUIPMENT PARADE DECK AREA AND SITE 55 FIBER OPTIC VAULT AREA WITH ATTACHMENTS MCRD PARRIS ISLAND SC

8/9/2010

U S EPA REGION IV

From: Llamas.Lila@epamail.epa.gov
To: Sladic, Mark; Hill, Shannon
Subject: Re: FW: Parris Sites 27/55 field test results
Date: Monday, August 09, 2010 5:27:49 PM
Attachments: soil test kits Log sheet.xlsx
17-1.pdf

Hi Mark and Shannon,

A couple of quick questions:

1) For the yellow highlighted results. Is the result number the number you got from the dilution, or have you already multiplied by whatever dilution factor applies? If they have not been multiplied, can you provide the dilution factor?

2) What does "Off Scale" mean with respect to a number? Many of those appear to correlate with high PID hits, etc., but a couple appear to correlate with very low PID hits. So are they "off scale" at either end of the scale? If so, please provide the scale endpoint numbers at both ends, or explain very briefly so I am not confused : -).

Shannon, Thanks again for your patience in the field!

Lila

From: "Sladic, Mark" <Mark.Sladic@tetratech.com>

To: Meredith Amick <AmickMS@dhec.sc.gov>, Lila Llamas/R4/USEPA/US@EPA, mac mcrae <mmcrae@TechLawInc.com>, Annie Gerry <GerryAM@dhec.sc.gov>

Cc: "Cook, Charles CIV NAVFAC SE" <charles.cook2@navy.mil>, "Harrington GS12 Timothy J (timothy.j.harrington@usmc.mil)" <timothy.j.harrington@usmc.mil>, Donohoe Civ Lisa C <lisa.donohoe@usmc.mil>, "Churchill, Peggy" <Peggy.Churchill@tetratech.com>, "Smith, Preston" <Preston.Smith@tetratech.com>, "Hill, Shannon" <Shannon.Hill@tetratech.com>

Date: 08/04/2010 08:00 AM

Subject: FW: Parris Sites 27/55 field test results

Per request from yesterday's Team call – please see attached some information that Shannon has provided from field notes. As I mentioned on yesterday's call, we welcome Team members to be involved as they want to be in evaluating field test results and contributing to any sample location decision making – especially if it accordingly means Team members are embracing this stuff and assuming some ownership – thereby

lessening Navy's at-risk exposure. I've passed along the Team's appreciation to Shannon for handling all the phone calls and visits! Thanks. MS

From: Hill, Shannon
Sent: Tuesday, August 03, 2010 8:28 AM
To: Sladic, Mark
Cc: Churchill, Peggy; Smith, Preston
Subject: Re: Lila Call

The step out locations are as follows:
27-SO38
27-SO45 (two directions I think)
55-SO02
55-SO07
55-SO10
55-SO14
55-SO18 (additional location added to the NE corner of 55)
55-SO17

Let me know if you guys have any questions!
Thanks,
Shannon

Sent from my Verizon Wireless BlackBerry

Shannon Hill I Geoscientist
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(See attached file: soil test kits Log sheet.xlsx)(See attached file: 17-1.pdf)

Sample ID	Date	Time	FLUTe	PID	DDT in ppm	PetroFlag Hydrocarbon in ppm	Oil in Soil TPH in ppm	Photo Numbers
27-SB35 0001	7/21/2010	820	ND	0.0	0.2 - 1.0	477	<500	
27-SB35 0305	7/21/2010	825	ND	0.0	0 - 0.2	174	<500	
27-SB35 0608	7/21/2010	835	ND	0.0	0 - 0.2	150	<500	
27-SB37 0001	7/21/2010	915	ND	0.0	0 - 0.2	217	<500	
27-SB37 0305	7/21/2010	930	ND	0.0	0 - 0.2	53	<500	
27-SB37 0608	7/21/2010	940	ND	0.0	0 - 0.2	183	<500	
27-SB40 0001	7/21/2010	1100	ND	0.0	0.2 - 1.0	896	<500	
27-SB40 0305	7/21/2010	1110	ND	0.0	0 - 0.2	37	<500	
27-SB40 0608	7/21/2010	1125	ND	0.0	0 - 0.2	73	<500	
27-SB42 0001	7/21/2010	1255	ND	0.0	0 - 0.2	143	<500	
27-SB42 0305	7/21/2010	1305	ND	0.0	0 - 0.2	43	<500	
27-SB42 0608	7/21/2010	1405	ND	0.0	0 - 0.4	82	<500	
27-SB41 0001	7/21/2010	1510	ND	0.0	0 - 0.2	143	<500	
27-SB41 0305	7/21/2010	1520	ND	0.0	0 - 0.2	64	<500	
27-SB41 0608	7/21/2010	1540	ND	0.0	0 - 0.2	212	<500	
27-SB33 0001	7/21/2010	1620	ND	0.0	0 - 0.2	370	<500	
27-SB33 0305	7/21/2010	1630	ND	0.0	0 - 0.2	183	<500	
27-SB33 0608	7/21/2010	1640	ND	0.0	0 - 0.2	100	<500	
27-SB36 0001	7/22/2010	720	ND	0.0	0 - 0.2	848	<500	
27-SB36 0305	7/22/2010	725	ND	0.0	0 - 0.2	94	<500	
27-SB36 0608	7/22/2010	750	ND	0.0	0 - 0.4	238	<500	
27-SB48 0001	7/22/2010	950	ND	0.0	0 - 0.2	368	<500	
27-SB48 0305	7/22/2010	955	ND	0.0	0 - 0.2	77	<500	
27-SB48 0608	7/22/2010	1000	ND	32.2; 2.7	0 - 0.2	278	>500	
27-SB44 0001	7/22/2010	1120	ND	0.0	0.2 - 1.0	1091	<500	
27-SB44 0305	7/22/2010	1125	ND	0.0	0 - 0.2	73	<500	
27-SB44 0608	7/22/2010	1145	Hit @ 7.5	8.2; 7.6	>20	1686	>500	
55-SB04 0001	7/22/2010	1400	ND	0.0	0 - 0.2	333	<500	
55-SB04 0305	7/22/2010	1405	ND	0.0	0 - 0.2	42	<500	
55-SB04 0810	7/22/2010	1415	Hit at 9-10	22.6;7.8	>20	2634	>500	
27-SB43 0001	7/22/2010	1505	ND	0.0	0 - 0.2	625	<500	
27-SB43 0305	7/22/2010	1510	ND	0.0	0 - 0.2	5	<500	
27-SB43 0608	7/22/2010	1535	ND	0.0	2 - 20	242	<500	
55-SB03 0001	7/23/2010	840	ND	0.0	0.2 - 1.0	564	<500	
55-SB03 0305	7/23/2010	845	ND	0.0	0.2 - 1.0	19	<500	
55-SB03 0810	7/23/2010	850	Hit at 8'	39.2; 6.2; 5.1	>20	136	<500	
55-SB02 0001	7/23/2010	1000	ND	0.0	0 - 0.2	183	<500	

55-SB02 0305	7/23/2010	1005	ND	0.0; 0.1	0 - 0.2	33	<500	
55-SB02 0608	7/23/2010	1015	ND	0.0; 96.3	>20	968	<500	
55-SB02 0810	7/23/2010	1020	ND	38.9; 15.5; 4.1	>20	136	<500	
55-SB01 0001	7/23/2010	1145	ND	0.0	0 - 0.2	96	<500	
55-SB01 0305	7/23/2010	1150	ND	0.0	0 - 0.2	39	<500	
55-SB01 0810	7/23/2010	1155	ND	0.0	0 - 0.4	88	<500	
55-SB05 0001	7/23/2010	1425	ND	0.0	0.2 - 1.0	364	<500	
55-SB05 0305	7/23/2010	1430	ND	0.0	0.2 - 1.0	1	<500	
55-SB05 0810	7/23/2010	1435	ND	62.6; 90.4	>20	Off Scale	>500	
27-SB45 0001	7/23/2010	1535	ND	0.0	0 - 0.2	549	<500	
27-SB45 0305	7/23/2010	1540	ND	0.0	0 - 0.2	24	<500	
27-SB45 0810	7/23/2010	1555	ND	0.0	2 - 20	52	<500	
27-SB34 0001	7/24/2010	915	ND	0.0	0 - 0.2	1121	<500	
27-SB34 0305	7/24/2010	920	ND	0.0	0 - 0.4	402	<500	
27-SB34 1012	7/24/2010	940	Ele	0.0	0 - 0.4	414	<500	
27-SB39 0001	7/24/2010	1105	ND	0.0	0 - 0.2	409	<500	
27-SB39 0305	7/24/2010	1110	Hit at 3' (?)	0.0	0 - 0.2	122	<500	
27-SB39 0810	7/24/2010	1130	ND	0.1; 2.6	0 - 0.4	86	<500	
27-SB38 0001	7/24/2010	1205	ND	0.0	0 - 0.2	1889	<500	
27-SB38 0305	7/24/2010	1210	ND	0.0	0 - 0.2	23	<500	
27-SB38 0810	7/24/2010	1215	ND	0.1; 0.0	0 - 0.4	272	<500	
55-SB06 0001	7/24/2010	1445	ND	0.0	0 - 0.2	432	<500	
55-SB06 0305	7/24/2010	1450	ND	0.0	0 - 0.2	65	<500	
55-SB06 0810	7/24/2010	1455	ND	0.0	0 - 0.4	74	<500	
55-SB10 0001	7/24/2010	1540	ND	0.0	0 - 0.2	193	<500	
55-SB10 0305	7/24/2010	1545	ND	0.0	0 - 0.2	57	<500	
55-SB10 0810	7/24/2010	1550	ND	11.3; 7.3	>20	1514	<500	
55-SB09-01	7/25/2010	850	ND	0.1; 0.2	0 - 0.2	155	<500	
55-SB09-05	7/25/2010	855	ND	0.3;0.4;9.4	>10	1028	<500	
55-SB09-10	7/25/2010	925	ND	8.4; 162.0; 172	>20	Off Scale	>500	
55-SO08-01	7/25/2010	955	ND	1.1;0.3	0.2 - 1.0	336	<500	
55-SO08-05	7/25/2010	1000	ND	0.4; 0.3; 0.2	0 - 0.2	38	<500	
55-SO08-10	7/25/2010	1010	ND	0.5;1.6	0.4 - 2.0	50	<500	
55-SO07-01	7/25/2010	1115	ND	19.8; 0.0	0 - 0.2	429	<500	
55-SO07-05	7/25/2010	1120	ND	0.0; 0.5	0 - 0.2	17	<500	
55-SO07-10	7/25/2010	1130	ND	88.9; 4.0	>20	1118	>500	
55-SO11-01	7/25/2010	1410	ND	0.0; 0.0	0 - 0.2	84	<500	
55-SO11-05	7/25/2010	1415	ND	0.0; 0.0	0 - 0.2	20	<500	
55-SO11-08	7/25/2010	1425	ND	1.7; 2.8	>20	986	>500	

55-SO11-10	7/25/2010	1430	Hit at 9'bgs	50.6; 34.4; 217	>20	Off Scale	>500	
55-SO14-01	7/26/2010	0850	ND	0.0; 0.0	1.0 - 10.0	317	<500	
55-SO14-05	7/26/2010	0855	ND	0.0; 0.0	0 - 0.2	59	<500	
55-SO14-10	7/26/2010	0900	ND	9.4; 19.4; 1.5	>20	916	>500	
55-SO13-01	7/26/2010	0955	ND	0.0; 0.0	0.2 - 1.0	422	<500	
55-SO13-05	7/26/2010	1000	ND	0.0; 0.0	0 - 0.2	16	<500	
55-SO13-10	7/26/2010	1005	Hit at 9.5-10'	48.2;12.2; 218	>20	Off Scale	>500	
55-SO12-01	7/26/2010	1105	ND	0.0; 0.0	0.2 - 1.0	726	<500	
55-SO12-05	7/26/2010	1110	ND	0.0; 0.0	0 - 0.2	0	<500	
55-SO12-10	7/26/2010	1115	ND	4.6; 5.0	>20	876	>500	
55-SO15-01	7/26/2010	1410	ND	0.0; 0.0	0 - 0.2	478	<500	
55-SO15-05	7/26/2010	1415	ND	0.0; 0.0	0 - 0.2	0	<500	
55-SO15-10	7/26/2010	1420	ND	0.0; 0.0	0 - 0.4	0	<500	
55-SO16-01	7/27/2010	0850	ND	0.0; 0.0	0.2 - 1.0	Off Scale	<500	
55-SO16-05	7/27/2010	0855	ND	0.0; 0.0	0 - 0.2	0	<500	
55-SO16-10	7/27/2010	0900	ND	0.1; 0.0	0 - 0.4	0	<500	
55-SO17-01	7/27/2010	0955	ND	0.0; 0.0	0.2 - 1.0	Off Scale	<500	
55-SO17-05	7/27/2010	1000	ND	0.0; 0.0	0.2 - 1.0	0	<500	
55-SO17-10	7/27/2010	1005	ND	0.6; 2.5; 15.3	>20	76	<500	
55-SO18-01	7/27/2010	1055	ND	0.0;	1.0 - 10.0	222	<500	
55-SO18-05	7/27/2010	1100	ND	0.0;	0 - 0.2	0	<500	
55-SO18-10	7/27/2010	1105	ND	0.0;	0.4 - 2.0	0	<500	

Diluted Sample
Sent to lab
holding
sending today

Comments
Dup: PAI-27-SO-072110-01
PID at 8-10: 101.5 and 9.6
PID at 6-8: 8.0;11.0 DUP: PAI-55-SO-072210-02
PID at 6-8: 0.4; 6.7
PID at 2: 1.6

PID at 6-8: 1.3; 0.6

DUP: PAI-27-072310-04

DUP: PAI-27-072410-05

PID at 6-8: 20.3; 35.1 DUP: PAI-55-072510-06

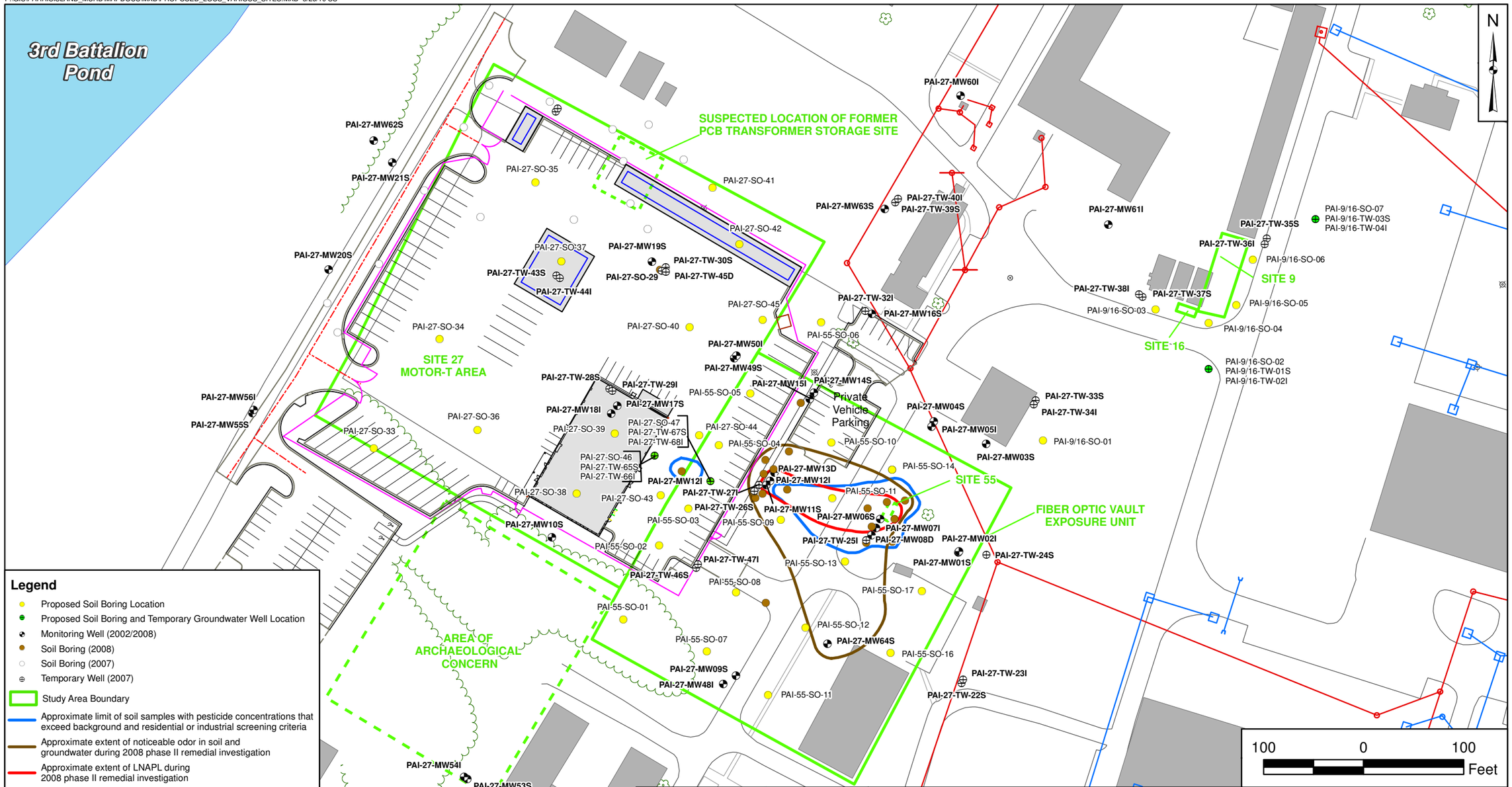
PID at 6-8: 0.3; 0.5

DUP: PAI-55-072510-07

PID at 6-8: 8.9; 31.3

DUP: PAI-55-072610-08
PID at 6-8: 1.5; 0.0
PID at 6-8: 0.0; 0.4
DUP: PAI-55-072610-09
PID at 6-8: 0.3; 0.1; 0.2
PID at 6-8: 0.2; 0.9
DUP: PAI-55-072710-10

P:\GIS\PARRISISLAND_MCRD\MAPDOCS\MXD\PROPOSED_LOCS_VARIOUS_SITES.MXD 5/26/10 SS



DRAWN BY	DATE
S. STROZ	05/20/10
CHECKED BY	DATE
P. SMITH	05/26/10
COST/SCHEDULE-AREA	
SCALE AS NOTED	

NAVFAC

PROPOSED SAMPLE LOCATIONS
SITES 9, 16, 27, AND 55
MCRD PARRIS ISLAND, SOUTH CAROLINA

CONTRACT NUMBER	
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO. FIGURE 17-1	REV 0