M00263.AR.000627
MCRD PARRIS ISLAND
5090.3a

EMAIL REGARDING U S EPA REGION IV COMMENTS ON SITE VISIT FOR ASSESSMENT OF NATURAL ATTENUATION AND SOURCE TREATMENT OF NON-AQUEOUS PHASE LIQUID SOURCE ZONES AT SITE 45 MCRD PARRIS ISLAND SC
7/9/2008
U S EPA REGION IV

From:	Koroma-Llamas.Lila@epamail.epa.gov
To:	Cook, Charles CIV NAVFAC SE; AmickMS@dhec.sc.gov; Sanford, Art F CIV NAVFAC SE; barkerjs@dhec.sc.gov; Cook, Charles CIV NAVFAC SE; darrel.pittman@usmc.mil; Kelly.Taylor2@ch2m.com; Sladic, Mark; mmcrae@TechLawInc.com; timothy.j.harrington@usmc.mil; Koroma-Llamas.Lila@epamail.epa.gov
Cc:	Paul.Dahlen@asu.edu; michael.a.singletary@navy.mil
Subject:	DELETE OTHER VERSION PLEASE: Organizing site visit for Parris Island
Date:	Wednesday, July 09, 2008 5:48:13 PM
Attachments:	SZNA_Proposal_brief.pdf

I just got an email note back that I had an incorrect email address. Please delete the other version of this email you received and if you wish to reply, use this one so that everyone is properly copied. That is what you get doing something in a hurry.

Thanks,
Lila

----- Forwarded by Lila Koroma-Llamas/R4/USEPA/US on 07/09/2008 05:45 PM -----

Lila Koroma-Llamas/R4/USEPA/US
07/09/2008 04:51 PM

To
"Cook, Charles CIV NAVFAC SE" <charles.cook2@navy.mil>, AmickMS@dhec.sc.gov, "Sanford, Art F CIV NAVFAC SE" <art.sanford@navy.mil>, barkerjs@dhec.sc.gov, "Cook, Charles CIV NAVFAC SE" <charles.cook2@navy.mil>, darrel.pittman@usmc.mil, Kelly.Taylor2@ch2m.com, mark.sladic@ttnus.com, mmcrae@TechLawInc.com, timothy.j.harrington@usmc.mil

cc
Paul.Dahlen@asu.edu, michael.a.singletary@navy.mil

Subject
Re: FW: Organizing site visit for Parris Island(Document link: Lila Koroma-Llamas)

Hi folks,

I am a little confused on what is being proposed here. We are not on the list in the plan. I put a call into Paul this morning and have not heard back. For fear of forgetting to follow thru on this I thought I would go ahead and just jot my thoughts down on this while I can, without the benefits of having answers to my questions. So forgive me

if I am way off base.....

General Comments:

1) The report does not list PI as a potential site. What makes us think it is? Other than Paul asking for a contact for logistics for his site visit.....

2) In the potential site descriptions it sounds as if being a site with no future action anticipated is a plus for Paul. I could not put us in that category. We have not even started the FS. An action will likely still be taken, and I would hate to see it delayed due to waiting on data collection efforts to end.

3) However, it depends on the timing of data collection. The schedule in this plan appears to be ending by 4th qtr 2009, which would likely be fine, since it is doubtful an action could be taken before then. But it already looks as if this schedule is behind, maybe even off by a year or something? Was it delayed due to funding issues?

4) Additionally, as recent as this year the Navy was about to propose a removal action because funds became available. That did not come to fruition, but is there a possibility the Navy would make a similar proposal if funds were to come available again?

5) The EZVI remediation technology was to expedite the DNAPL source remediation and groundwater cleanup. The EZVI degrades the contaminant abiotically as well as biologically. However, it is not clear how the effects and contributions of DNAPL degradation by the EZVI will be determined or evaluated with respect to the proposed SZNA demonstrations. It seems the EZVI application may be too recent to look at SZ"NA" per se, if it is still being impacted by the EZVI. Or is that factored into the calculations? Looking at rates now while still potentially impacted by EZVI and change in rates over time as the EZVI continues to lessen? I need to go back to my Greek lessons.

6) While I am sure this will result in great benefits to others in the long run, I am not sure what will be gained for us from implementing this demonstration Source Zone Natural Attenuation (SZNA) proposed for the next two years. It may not be intended to benefit us at all for now, but I am not sure what the Navy is intending with this one. With regards to progress at Site 45, it seems that sufficient data has been collected to date including the EZVI, PFM, stable isotope, etc., to begin to evaluate remedial alternatives for Site 45. There are now cVOC Decision Analysis tools and Biobalance tools which may be useful in determining whether an enhanced natural attenuation remedy is viable for Site 45. If we are not planning on waiting for the results to impact our decisions on remedy selection, then I might be less opposed to this, again, depending on the timing of its implementation and expectations for a "steady state" vs potential additional remedy implementation.

7) Since obviously I do not have the answer to a lot of questions, I am totally open to discussing this if need be. Otherwise, I am assuming we are not on the list yet and will file this as a tool that may be useful to us at a point later in the process once they have implemented this study at another site and are willing to share the results with us.

Thanks,
Lila

"Cook, Charles
CIV NAVFAC SE"
<charles.cook2@navy.mil>
07/09/2008 10:53 AM

To
"Cook, Charles CIV NAVFAC SE"
<charles.cook2@navy.mil>,
"Sanford, Art F CIV NAVFAC SE"
<art.sanford@navy.mil>, Lila
Koroma-Llamas/R4/USEPA/US@EPA,
<mark.sladic@ttnus.com>,
<timothy.j.harrington@usmc.mil>,
<mmcrae@TechLawInc.com>,
<AmickMS@dhec.sc.gov>,
<darrel.pittman@usmc.mil>,
<Kelly.Taylor2@ch2m.com>,
<barkerjs@dhec.sc.gov>

cc

Subject
FW: Organizing site visit for
Parris Island

Team

This is the proposal for the research being conducted by ASU.

V/R
Charles Cook

-----Original Message-----
From: Paul Dahlen [mailto:Paul.Dahlen@asu.edu]
Sent: Monday, June 30, 2008 16:41
To: Cook, Charles CIV NAVFAC SE
Cc: darrel.pittman@usmc.mil
Subject: RE: Organizing site visit for Parris Island

Charles,
Thank you for the contact information. Attached is the proposal which describes our project. While its' description is non-site-specific and a few of the details have changed in the development, it should provide a pretty good idea of our work.
Paul

-----Original Message-----
From: Cook, Charles CIV NAVFAC SE [mailto:charles.cook2@navy.mil]
Sent: Monday, June 30, 2008 1:27 PM
To: Paul Dahlen
Cc: darrel.pittman@usmc.mil; Singletary, Michael A CIV NAVFAC SE
Subject: RE: Organizing site visit for Parris Island

PAUL

DR HEBER PITMAN PHD
His email
Darrel Heber Pittman, Ph.D.
Natural Resources & Environmental Affairs Marine Corps Recruit Depot
P.O.
Box 5028 Parris Island, SC 29905-0028
email: darrel.pittman@usmc.mil
email: dpittman@www.denix.osd.mil
Phone (843) 228-3615
Fax (843) 228-2616

IF YOU COULD ALSO PROVIDE SOME INFORMATION PROJECT DURATION, PROPOSED ACTIVITIES , SITE DISPOSAL REQUIREMENTS

v/r
Charles Cook
904 542 6409

-----Original Message-----
From: Paul Dahlen [mailto:Paul.Dahlen@asu.edu]
Sent: Monday, June 30, 2008 15:13
To: Cook, Charles CIV NAVFAC SE
Subject: RE: Organizing site visit for Parris Island

Charles,
Mike Singletary indicated you could provide me with a Parris Island base contact to help me with logistical issues associated with our work in assessing the natural attenuation of the DNAPL source. I have provided my contact information below. I appreciate your help in this matter.

Regards, Paul Dahlen

Paul Dahlen
Arizona State University Civil Engineering
1711 S. Rural Rd.
ECG-252
Tempe, AZ 85287
480-965-0055
480-965-0557 (fax)
paul.dahlen@asu.edu

-----Original Message-----
From: Singletary, Michael A CIV NAVFAC SE
[mailto:michael.a.singletary@navy.mil]
Sent: Thursday, June 26, 2008 10:28 AM
To: Cook, Charles CIV NAVFAC SE
Cc: Paul Dahlen
Subject: FW: Organizing site visit for Parris Island

Charles,

Can you provide Paul Dahlen of Arizona State with a base contact to help

with logistics for the field work associated with this ESTCP project?
This project is to evaluate natural attenuation of the DNAPL source area near the site of the current GeoSyntec EZVI demonstration. Let me know if you have any questions.

Mike

-----Original Message-----
From: Paul Dahlen [mailto:Paul.Dahlen@asu.edu]
Sent: Thursday, June 26, 2008 12:22
To: Singletary, Michael A CIV NAVFAC SE
Subject: Organizing site visit for Parris Island

Mike,
I am currently writing the site specific Demonstration Plan for Parris Island, and I am slowly organizing our initial site visit. Our typical protocol is to pack up our lab equipment, ship it to the site, and establish our base of operations/field lab in the back of a U-Haul type truck. Is there a base contact that will be overseeing our activities and can provide some logistical support? Some of my questions include:

If necessary, how to obtain base passes?
Base protocol for managing waste water?
Who can receive shipment of equipment and the shipping address?
Can the U-Haul be left on site overnight? If so, would it be reasonably secure?
The availability of 120V AC power.
Base requirements for onsite workers and subcontractors.
Emergency procedures and emergency contact for base (for HASP).
Etc.

When complete, I will provide a copy of the Site Specific Demo Plan for review.

Thanks, Paul
(See attached file: SZNA_Proposal_brief.pdf)