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MCRD PARRIS ISLAND
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EMAIL REGARDING U S EPA REGION IV COMMENTS ON WORK PLAN FOR VAPOR
INTRUSION EVALUATION AT SITE 45 DRY CLEANING FACILITY SPILL AREA MCRD
PARRIS ISLAND SC
6/24/2009
U S EPA REGION IV

From: Llmas.Lila@epamail.epa.gov
To: AmickMS@dhec.sc.gov; [Cook, Charles CIV NAVFAC SE](mailto:Cook.Charles.CIV.NAVFAC.SE); darrel.pittman@usmc.mil; dmbailey@gsi-net.com; GerryAM@dhec.sc.gov; Kelly.Taylor2@ch2m.com; [Claggett, Libby](mailto:Claggett.Libby); llamas.lila@epa.gov; [Sladic, Mark](mailto:Sladic.Mark); [Sladic, Mark](mailto:Sladic.Mark); [Singletary, Michael A CIV NAVFAC SE](mailto:Singletary.Michael.A.CIV.NAVFAC.SE); [Maughon, Mike](mailto:Maughon.Mike); mmcrae@TechLawInc.com; [Thomas McHugh](mailto:Thomas.McHugh); [Harrington GS13 Timothy J](mailto:Harrington.GS13.Timothy.J); Llmas.Lila@epamail.epa.gov
Subject: Less Urgent Re: EPA COMMENTS - Re: ESTCP Work Plan for Site 45, MCRD Parris Island
Date: Wednesday, June 24, 2009 1:03:50 PM

Hi Folks,

Mike Singletary and I spoke this morning and it appears we are on the same page. Mike clarified that he considers this as a first phase sampling event, with the hope that some of the data may be applicable to Site 45 VI assessment, but recognizing that overall it will give us insight to site conditions at 45 and identify data gaps which will still need to be filled in the future and addressed through a team effort on a UFP SAP. That sounds good to me. That means no adjustments are needed in the field now, the applicability of the data and EPA comments/questions can be discussed post-field work, and we will have an easier time with the UFP SAP filling what data gaps are identified. Hopefully....

Mike, let me know if I did not capture any of this correctly.

Thanks,
Lila

Lila
Llmas/R4/USEPA/
US

To
"Singletary, Michael A CIV NAVFAC SE"
06/24/2009 11:20 AM
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CC
"Cook, Charles CIV NAVFAC SE"
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Subject

URGENT ! EPA COMMENTS !! Re:
ESTCP Work Plan for Site 45, MCRD
Parris Island(Document link: Lila
Llamas)

Please see attached comments. I will try to reach some folks by phone today to see if they are already in the field or not. If so, it should still not be too late to make some adjustments if they have a little extra tubes, samplers, etc. Sorry this could not reach you sooner, but I was waiting for technical review that just did not come in time. Also, there was no site specific information provided for the New Dry Cleaner facility, so it could not be determined if this data will be acceptable or not. So we may have more later. But this should do for our purposes today.

Lila
w) 404-562-9969
c) 770-856-5808

(See attached file: ESTCP VI WP ER-0707 Parris Island - EPA
Comments.doc)

"Singletary,
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05/19/2009 10:52 <Mark.Sladic@tetrattech.com>,
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SE"
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Subject
ESTCP Work Plan for Site 45, MCRD
Parris Island

Parris Island Team,

Since Charles is meeting with you all this week in Columbia, I wanted to forward a work plan for your review. The work plan is for an ESTCP project designed to evaluate vapor intrusion processes at Site 45 (new dry cleaner building). Dr. Tom McHugh of GSI Environmental will be leading the field study. The attached work plan is provided for your review and input. The study has two basic objectives: 1) to evaluate how indoor building pressure affects vapor intrusion and 2) to evaluate how sediment grain size and moisture content affect vapor attenuation in the unsaturated zone.

This ESTCP project involves data collection from several sites. As part of this project, GSI recently collected data at OU3, NAS Jacksonville to evaluate the second objective involving building pressure. Tom and his team did an excellent job with that study and in coordinating with the project team and installation personnel. For the OU3 site, the data has been very useful in evaluating the VI pathway.

The tentative schedule is for GSI to conduct the field work during the weeks of June 22 and June 29. The first week will involve DPT work to collect soil, soil gas, and groundwater samples from three cluster locations. The second week will involve testing the indoor air and sub-slab soil gas under induced positive and negative building pressures. For the indoor air and sub-slab sampling, a box fan will be temporarily installed in a door or window in the new dry cleaner building to create the desired pressure conditions. The fans will need to run for approximately 48 hours (24 hours for positive pressure and 24 hours for negative pressure). This will likely cause only minimal disruptions for the new dry cleaner building operations.

Tom,

Your point of contact for coordinating field activities will be Heber Pittman of MCRD Parris Island:

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
Phone (843) 228-3615
Fax (843) 228-2616

Thanks in advance for your cooperation and review of the work plan. Charles and I think the data will be very useful in evaluating the vapor intrusion pathway at Site 45. The data from this study will be used to

get an initial handle on the VI pathway and will be used by TtNUS and the team as a starting point to develop follow-on sampling plans to complete the RI-Addendum. Sorry for the short timeframe on the work plan review, but the opportunity just presented itself recently. If you have any questions regarding the project, please contact me or Tom McHugh (713-522-6300; temchugh@gsi-net.com).

Thanks,
Mike

P.S. I've probably left off some individuals on the partnering team email distribution. Please forward to other team members.

Mike Singletary, P.E.
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-----Original Message-----

From: Thomas McHugh [<mailto:temchugh@gsi-net.com>]
Sent: Monday, May 18, 2009 12:24
To: Singletary, Michael A CIV NAVFAC SE; Cook, Charles CIV NAVFAC SE
Cc: Danielle M. Bailey
Subject: Work Plan for Site 45, Parris Island

Mike and Charles,

Attached is a work plan for our work at Site 45. Please let me know if you have any questions/comments or if you have any problems opening/reviewing the document.

Tom
[attachment "ER-0707 Work Plan Parris Island.doc" deleted by Lila Llamas/R4/USEPA/US]