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NCBC DAVISVILLE
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EMAIL REGARDING U S EPA REGION I COMMENTS ON WELL SELECTION FOR SITE 16
NCBC DAVISVILLE RI
07/11/2011
U S EPA REGION I

Vetere, Stephen

Subject: FW: PFOA well selection

-----Original Message-----

From: Christine Williams [mailto:williams.christine@epamail.epa.gov]
Sent: Monday, July 11, 2011 12:08
To: Barney, David A CIV OASN (EI&E), BRAC PMO NE
Cc: Dale, Jeffrey M CIV NAVFAC MIDLANT, EV
Subject: RE: Site 16 PRAP

thanks for the information Dave-

I see MW 16-45 cluster is within the circle denoting the FFTA and MW16-44 cluster is to the east south east edge of the circle.

In looking at your groundwater flow maps from the FS- addendum report- it seems to me MW16-44 is side gradient to the FFTA

MW 16-46 cluster seems to be more downgradient

in looking at historic groundwater data for BTEX

MW 16-44S -2002-0.4 ug/L and in 2004 0.529
MW16-44I- -NS 0.0157

MW16-45S -0.3 0.219
MW16-45I -0.09 0.0304

MW16-46S - 9.174 2.24
MW16-46I- 3.0 0.478

MW16-43S- 0.1 0.0549
MW16-43I- 0.09 0.0223

MW16-44S had 0.36ug/L BTEX in 2007

MW16-44I was not sampled in 2007

MW16-46S had 1.1 ug/L BTEX in 2007

the MW16-45 cluster was non-detect in 2007 the MW16-43 cluster was not sampled in 2007

soil gas at the FFTA had some exceedences in the shallow for benzene and hits in the sub surface for benzene too.

I could not find any svoc/pah data for the monitoring well borings, but TP-28 is near MW46 cluster and at 6-8 ft TPH was 280 ppm and there were no exceedences of residential screening levels for PAHs

MW46 cluster seems to have had the most BTEX in gw (although it is a fairly low amount) and is down gradient of the FFTA.

What is your rationale for including the MW44 cluster rather than the MW46 cluster? I understand with FFTAs there is temporally localized radial flow during operations, however, operations ceased many years ago. Is the MW46 cluster in as good of shape as the MW16-44 cluster?

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"Sometimes leadership is planting trees under whose shade you'll never sit." Gov. Jennifer M. Granholm

From: "Barney, David A CIV OASN (EI&E), BRAC PMO NE"
<david.a.barney@navy.mil>
To: Christine Williams/R1/USEPA/US@EPA
Cc: Bryan Olson/R1/USEPA/US@EPA, "Dale, Jeffrey M CIV NAVFAC
MIDLANT, EV" <jeffrey.m.dale@navy.mil>
Date: 07/08/2011 02:28 PM
Subject: RE: Site 16 PRAP

Christine, the wells we are sampling are 44S, 45S, 45I, and 44I due to their immediate proximity to the Fire Training activities. The samples will be analyzed through the SERDP program via University of Oregon. I do not have their analytical protocols but will endeavor to have it forwarded.

r/

David Barney
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617-753-4656

-----Original Message-----

From: Christine Williams [mailto:williams.christine@epamail.epa.gov]
Sent: Friday, July 08, 2011 13:35
To: Barney, David A CIV OASN (EI&E), BRAC PMO NE
Cc: Bryan Olson; Dale, Jeffrey M CIV NAVFAC MIDLANT, EV
Subject: RE: Site 16 PRAP

Dave- certainly a surprise that you're moving ahead without any coordination with me. I had hoped to receive a brief workplan for review prior to your sampling. Please provide your rationale for the wells you picked and the sampling & analytical methods asap

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From: "Barney, David A CIV OASN (EI&E), BRAC PMO NE"
<david.a.barney@navy.mil>
To: Christine Williams/R1/USEPA/US@EPA
Cc: "Dale, Jeffrey M CIV NAVFAC MIDLANT, EV"
<jeffrey.m.dale@navy.mil>, Bryan Olson/R1/USEPA/US@EPA
Date: 07/08/2011 01:21 PM
Subject: RE: Site 16 PRAP

Christine,

Thank You. We will be sampling 4 wells for PFOS/PFOA next week to determine presence or absence. Based on our experience at South Weymouth this should be sufficient. The re-sampling of the shallow TW- wells is complete and we are waiting for the data. One well had been damaged/buried (TW-28). Based on ColorTec screening, we expect TW-16-24 will have < 10 ug/L VOC based on prior ColorTec vs analytical comparisons, which we do not believe is Site 16 related and likely due to a local source (refrigerant equipment at Sea Freeze).

r/

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-----Original Message-----

From: Christine Williams [mailto:williams.christine@epamail.epa.gov]
Sent: Friday, July 08, 2011 11:43
To: Barney, David A CIV OASN (EI&E), BRAC PMO NE
Cc: Dale, Jeffrey M CIV NAVFAC MIDLANT, EV; Bryan Olson
Subject: Re: Site 16 PRAP

Dave- Bryan is out today- I'll ask him on Monday when he is in, unless he gets this e-mail today. When will you be sampling for the PFOA/PFOS and re-sampling the temporary wells that were developed and sampled on the same day? We need this data to revise/amend the FS

cmt #25- the phase should be "cleanup goals and performance standards" which are chemical specific arars (and risk based clean-up goals if there is no arar for that chemical or the arar is not protective) and action specific arars/ICs or engineering controls.

cmt 31 - since there are no chemical specific arars in a waste management unit, you only have performance standards which are action specific arars/ICs or engineering controls

cmt #35 - since there are no chemical specific arars in a waste management unit, you only have performance standards which are action specific arars/ICs or engineering controls

see both OU1 & OU8 RODs for the action specific arars/ICs & engineering control discussions

I hope this helps-have a good weekend

Christine

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From: "Barney, David A CIV OASN (EI&E), BRAC PMO NE"
<david.a.barney@navy.mil>
To: Christine Williams/R1/USEPA/US@EPA
Cc: "Dale, Jeffrey M CIV NAVFAC MIDLANT, EV"
<jeffrey.m.dale@navy.mil>
Date: 07/08/2011 11:21 AM
Subject: Site 16 PRAP

Christine,

Could you clarify for Navy what EPA means by "performance standards" as used in EPA comments specific #25, 31, 35 and others. Your clarification will help greatly.

Also, we have a pending date of August 15th to submit a draft PRAP. As such, Jeff and I would like to discuss with you and Brian possible remedial options for Site 16. Please let me know

if you are available next Tuesday July 12 or let me know when you and Brian could be available for this discussion.

r/

David Barney
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