

Hassan, Jacob

From: Hardin, Erik
Sent: Friday, May 08, 2015 7:39 AM
To: Bradley, Lisa; Hassan, Jacob
Cc: DPetroff@idem.IN.gov; Pallardy, Paul
Subject: RE: Pines - Revisions to the SSC WP

Lisa:

By this email, EPA is approving this revision of the SSC WP.

This, of course, does not obviate the need to get the QAPP revisions approved.

Thanks,
Erik

D. Erik Hardin
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From: Bradley, Lisa [mailto:LBradley@haleyaldrich.com]
Sent: Wednesday, May 06, 2015 5:53 AM
To: Hassan, Jacob
Cc: Hardin, Erik; DPetroff@idem.IN.gov; Pallardy, Paul
Subject: RE: Pines - Revisions to the SSC WP

Jacob – Please see the attached. Thanks! :) LAIS

From: Hassan, Jacob [mailto:hassan.jacob@epa.gov]
Sent: Tuesday, May 05, 2015 11:52 AM
To: Bradley, Lisa
Cc: Hardin, Erik; DPetroff@idem.IN.gov; Pallardy, Paul
Subject: RE: Pines - Revisions to the SSC WP

Thanks, Lisa. I'm good with the responses. Can you craft some language from response 1 and add it to the plan? Once I get the revised plan, we can finalize it.

Thanks again,

Jacob

From: Bradley, Lisa [mailto:LBradley@haleyaldrich.com]
Sent: Tuesday, May 05, 2015 10:12 AM
To: Hassan, Jacob

Cc: Hardin, Erik; DPetroff@idem.IN.gov; Pallardy, Paul

Subject: RE: Pines - Revisions to the SSC WP

Thanks for your comments, Jacob!

Following are **responses** to your two additional points for discussion:

1) Since there are no samples being taking 36-60" for analytical, I would like to have a sample taken and held (not sent for analytical) until the VI process can be corroborated by the analytical data. If the VI determination doesn't match the analytical, then we would need to send held samples for analytical.

As a matter of practice, we archive samples from each soil boring. The soil from the 36-60" interval will be archived and can be retrieved for analysis, if needed.

2) A detailed core log needs to be included (i.e. demarking the depth and locations within the log that have the fly ash).

Detailed boring logs will be prepared, per the project operating procedure in Appendix C of the SSC Work Plan. Where CCBs are observed in the soil samples, this is recorded in the logs.

As these are practices are standard for this project, I don't know that we need to discuss it further, but certainly can, if you wish.

:) LASI

Lisa JN Bradley, PhD, DABT

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From: Hassan, Jacob [<mailto:hassan.jacob@epa.gov>]

Sent: Friday, May 01, 2015 4:32 PM

To: Bradley, Lisa

Cc: Hardin, Erik; DPetroff@idem.IN.gov; Pallardy, Paul

Subject: RE: Pines - Revisions to the SSC WP

Hi Lisa,

The newly crafted language is fine. I would like to add two items for discussion.

- 1) Since there are no samples being taking 36-60" for analytical, I would like to have a sample taken and held (not sent for analytical) until the VI process can be corroborated by the analytical data. If the VI determination doesn't match the analytical, then we would need to send held samples for analytical.
- 2) A detailed core log needs to be included (i.e. demarking the depth and locations within the log that have the fly ash).

We can talk about this on Monday if you have questions or concerns.

Thanks,

Jacob

From: Bradley, Lisa [<mailto:LBradley@haleyaldrich.com>]
Sent: Friday, May 01, 2015 11:28 AM
To: Hassan, Jacob
Cc: Hardin, Erik
Subject: RE: Pines - Revisions to the SSC WP

Hi Jacob!

Responses to your comments are provided below. The revised text, tracked in redline, is also the attached. Please let me know if you have any additional questions. Thanks! :) LIAS

Lisa JN Bradley, PhD, DABT
VP & Senior Toxicologist

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Comment: Just one clarifying question (section 5, H-4, 1st paragraph). So if CCB's are visual in 36-60", will the portion in that interval without CCB's be sampled or will this interval be assumed to be the same as 6-18"?

Response: It will be assumed to be the same as the overlying CCBs. No samples from below 36 inches will be submitted for analysis. Sampling below 36 inches may occur during the post-removal confirmation sampling.

Comment: Also, if no CCB's are seen 18-36" the portion without visual CCB's will be sampled to confirm the visual determination?

Response: All 0-6 and all 6-18 inches samples will be analyzed, whether or not CCBs are present.

If CCBs are seen in 0-6 inches and not in 6-18 inches, samples below 18 inches will not be analyzed.

If CCBs are seen in 0-6 inches and in all or any portion of the 6-18 inches interval, a sample of non-CCB materials from 18-36 inches will be submitted for analysis.

To clarify this in the Work Plan (Appendix H), Section 5.1, has been amended as follows.



From: Hassan, Jacob [<mailto:hassan.jacob@epa.gov>]

Sent: Wednesday, April 29, 2015 1:05 PM

To: Bradley, Lisa

Cc: Hardin, Erik

Subject: RE: Pines - Revisions to the SSC WP

Hi Lisa,

Just one clarifying question (section 5, H-4, 1st paragraph). So if CCB's are visual in 36-60", will the portion in that interval without CCB's be sampled or will this interval be assumed to be the same as 6-18"? Also, if no CCB's are seen 18-36" The portion without visual CCB's will be sampled to confirm the visual determination?

Thanks,

Jacob

From: Bradley, Lisa [<mailto:LBradley@haleyaldrich.com>]

Sent: Sunday, April 26, 2015 9:15 PM

To: Hardin, Erik; Hassan, Jacob; Doug Petroff (DPetroff@idem.IN.gov)

Subject: Pines - Revisions to the SSC WP

Greetings!

Attached please find the Supplemental Soil Characterization Work Plan (SSC WP) revised according to the EPA comments received 4/17/2015. The attachments marked "Private Information" have not changed, and are not provided here. Please let me know if you need them again. Thanks! :) LIAS

Lisa JN Bradley, PhD, DABT

VP & Senior Toxicologist

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