
From: "Oscar Paulson" <paulson@tribcsp.com>
To: "Stephen Cohen" <SJC7@nrc.gov>
Date: 07/13/2006 3:10 PM
Subject: Re: Excavation Sampling
CC: "Betty Garrett" <BSG@nrc.gov>

Stephen Cohen:

Thank you!

Oscar Paulson
Facility Supervisor

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

From: Stephen Cohen
To: Oscar Paulson
Cc: Betty Garrett
Sent: Thursday, July 13, 2006 8:14 AM
Subject: Re: Excavation Sampling

Oscar:

This e-mail confirms our understanding that one composite from 0 to 15 cm from each grid is acceptable.

Steve

>>> "Oscar Paulson" <paulson@tribcsp.com> 07/13/2006 9:55 AM >>>
Stephen Cohen:

The excavation has attained what appears to be clean bottom in the vicinity of TMW-90 and North of the well to the highwall beneath the Southeast corner of the Mill Building. The image below shows the remaining slotted pipe from TMW-90 and the clean green clay underlying the contaminated sands.

Mail Envelope Properties (44B69A9D.B49 : 15 : 52041)

Subject: Re: Excavation Sampling
Creation Date 07/13/2006 3:10:00 PM
From: "Oscar Paulson" <paulson@tribcsp.com>

Created By: paulson@tribcsp.com

Recipients

nrc.gov

OWGWPO02.HQGWDO01
BSG CC (Betty Garrett)

nrc.gov

OWGWPO03.HQGWDO01
SJC7 (Stephen Cohen)

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Files	Size	Date & Time
MESSAGE	2659	07/13/2006 3:10:00 PM
TEXT.htm	5009	
Part.002	687215	
Part.003	646985	
Mime.822	1836182	

Options

Expiration Date: None
Priority: Standard
ReplyRequested: No
Return Notification: None

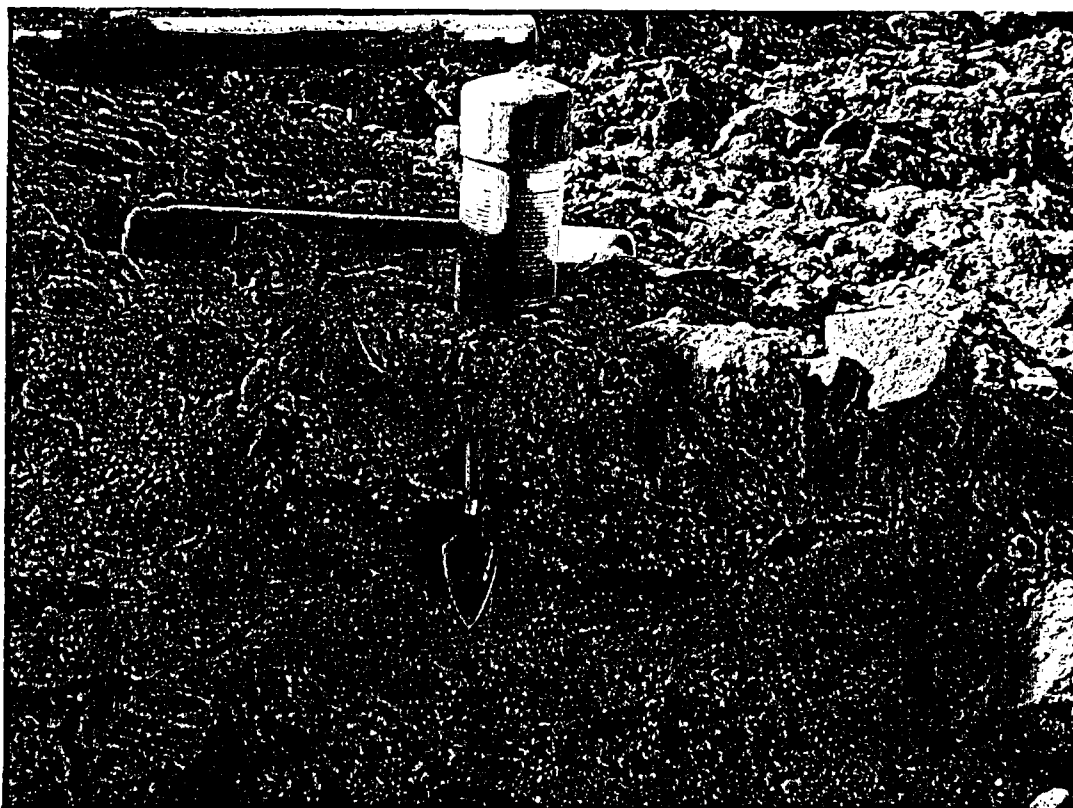
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The current plan is to survey a ten (10) meter by ten (10) meter grid over this portion of the excavation and collect a composited sample from each grid for analysis for radium-226, Diesel Range Organics (DRO), Oil Range Hydrocarbons (ORH) and Total Extractable Hydrocarbons (THE) as outlined in Part II - Page 5 of the May 12, 2004 submittal.

I wanted to confirm with you the sampling protocol and that a single composite sample from each grid collected from 0 to 15 centimeters beneath the excavation bottom is sufficient. I am asking because in your e-mail of Monday, July 10, 2006 stated:

First, Appendix A, Criterion 6, states that the 15 pCi/g standard applies to each 15-cm LAYER below 15 cm from the surface. Therefore, this radium standard would apply to a depth of 40 feet.

I wanted to be absolutely sure that additional composited samples from greater depths say 15 centimeters to 30 centimeters did not have to be collected from each grid as well in addition to any other types of composited samples. A trackhoe will be used to assist with sampling since the excavation is quite hard (rock). We have only one chance to get this sampling right because assuming that the sample results are satisfactory, backfilling of the area will commence upon receipt of sample data showing the area to be clean since we want to get backfill placed against the highwall beneath the Mill Building as soon as possible so that caving beneath the foundation does not occur. The image below shows the highwall beneath the foundation and it is obvious why that area of the pit should be backfilled as soon as possible.



The leftmost well casing in the above image is TMW-90. Initial gridding and sampling would be performed between that well and the Mill Building with backfilling of that area to follow upon receipt of satisfactory sample results.

Oscar Paulson
Facility Supervisor