

From: [REDACTED]
Subject: RE: question concerning additional surface soil samples analyzed for plutonium... (UNCLASSIFIED)
Date: Wednesday, October 12, 2011 2:22:56 PM
Attachments: [Plutonium_24 AUG 2011.pdf](#)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]
Attached is the chart with dates analyzed included.

In regard to your second question in regard to Modern and its pumping of the Lower Water Bearing Zone, this has been analyzed by Bill Frederick and SAIC and will be addressed in response to your comments on the RAOs and ARARs Technical Memorandum Fact Sheet when the tech memo is released.

Sincerely,
[REDACTED]

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

[REDACTED]
Sent: Friday, August 12, 2011 10:40 AM
[REDACTED]

Subject: Re: question concerning additional surface soil samples analyzed for plutonium...

[REDACTED]
Thank you for the chart the chart shows the dates on which samples were collected, but not when samples were analyzed. Could you please send me the dates on which soil samples were analyzed for plutonium. I have been unable to find any plutonium analyses conducted during phase I or phase II of the NFSS RI.

Given your response regarding Modern and its pumping of the LWBZ groundwater, am I correct then in concluding that there is no independent USACE evaluation of the impact of Modern's pumping on the LWBZ groundwater, only the contractor's comments on Modern's study?

[REDACTED]
In a message dated 8/11/2011 11:00:55 A.M. Central Daylight Time, [REDACTED] writes:

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]
Niagara Falls Storage Site Remedial Investigation (RI) fieldwork was conducted in three phases as follows:

- Phase I occurred from November 1999 until January 2000.
- Phase II occurred from August through October 2000.
- Phase III occurred from May 2001 until October 2003.

Also, fieldwork for the RI Report Addendum was conducted from November 2009 through January 2010. Attached is a table showing the sampling locations and dates.

The Corps and Corps' modeling contractor met with Modern to discuss Modern's

modeling results. You've received information related to this discussion through FOIA.

Sincerely,

[REDACTED]

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

[REDACTED]

Sent: Thursday, July 21, 2011 2:31 PM

[REDACTED]

Subject: Re: question concerning additional surface soil samples analyzed for plutonium...

[REDACTED]

Thank you for the information concerning the 17 samples inadvertently missed from the RI database. I'm currently trying to put plutonium analyses on the NFSS in chronological order. The RI Addendum refers to "limited direct sampling for Pu-239/240 during Phase I and II of the RI" ; could you tell me which samples were analyzed for plutonium in Phase I and II of the RI? I seem unable to find any.

With respect to pumping and evaluating Modern's impact on the LWBZ groundwater and the NFSS, has the Corps conducted an independent evaluation?

[REDACTED]

In a message dated 7/20/2011 12:47:16 P.M. Central Daylight Time,

[REDACTED]:

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED]

In response to your question below, the additional 17 surface soil samples were originally collected in August/September 2000. The sample volume (stored at the lab) was then analyzed for Pu in 2001; however, these results were inadvertently missing from the database and therefore, not reported or considered in the RI (2007). A verification was completed by SAIC in 2009, which was a relook to see if the Pu was actually a detect and not a tailing issue (tailing potential summarized in Section 11.7 of the RIR Addendum (2011)). The results were not reported to the public until release of the RIR Addendum.

The map showing the location of pumping at Modern was included in your FOIA information last week.

We are looking forward to working with you and the community to develop

suggested sampling location points to investigate your concerns regarding pipelines and elevated total uranium concentrations in two groundwater monitoring wells south and east of the IWCS. Maps that you can mark up and a return envelope will be sent to you via Federal Express so that you can provide us with your input.

Thank you Ann,

Arleen

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

Sent: Wednesday, July 13, 2011 8:59 AM

Subject: question concerning additional surface soil samples analyzed for plutonium

When were the additional 17 surface soil samples, which were inadvertently left out of the RI analytical database, analyzed for plutonium and when were results reported and validated?

Thanks,

PS: I have not had any response concerning my request made at the January

2011 conference call for a map showing the location of pumping at Modern, which was responsible for the reversal of the direction of flow of the LWBZ groundwater at the NFSS for several years. Is there anything else I can do to further this request?

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