Message

From: Bordelon, David [David.Bordelon@WestonSolutions.com]
Sent: 5/10/2019 4:20:50 PM
To: Fife, Greg [fife.greg@epa.gov]
Subject: RE: Lowerline
Attachments: ATT00001.txt

Will do. Sam has started the rad protection plan. I'm populating it with info. Will add the RemBall. Should be ready early next week.

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From: Fife, Greg [mailto:fife.greg@epa.gov]
Sent: Friday, May 10, 2019 11:11 AM
To: Bordelon, David <David.Bordelon@WestonSolutions.com>
Subject: RE: Lowerline

**** External Email ****
Yep, figured that.

And in the plan, add that we will do a survey with the remball model 12-4 to confirm that there are not neutrons from the possibility of a Radium-Berrylium source. And just in case, grab a Berrylium MSDS. If it is there, its nasty enough that people need to be aware right away --- toxicity not rad.

From: Bordelon, David <David.Bordelon@WestonSolutions.com>
Sent: Friday, May 10, 2019 11:06 AM
To: Fife, Greg <fife.greg@epa.gov>
Subject: RE: Lowerline

That was cut and pasted out of Fansteel, so you're correct with the Radium vs. thorium.

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From: Fife, Greg [mailto:fife.greg@epa.gov]
Sent: Friday, May 10, 2019 11:01 AM
To: Bordelon, David <David.Bordelon@WestonSolutions.com>
Subject: RE: Lowerline

**** External Email ****
That is what I was talking about. I assume that we would look for radium rather than thorium. However, with the daughters involved, its what the experts say.

From: Bordelon, David <David.Bordelon@WestonSolutions.com>
Sent: Friday, May 10, 2019 10:53 AM
To: Fife, Greg <fife.greg@epa.gov>
Subject: RE: Lowerline

Sam had suggested a program similar to Fansteel:

1.1.1 Air Monitoring

Air monitoring for radiological activity will be conducted during work activities. RADeCO H-810 High-Volume Air Samplers will be utilized to collect air samples from selected locations representative of work areas. Air samplers should collect a minimum of approximately 14,000 liters in order to reach 10% of the Derived Air Concentration (DAC) for thorium-232. Th-232 is the most stringent DAC of the five radionuclides of concern at the site.

Air sample filters will be counted on a Ludlum 3030 sample counter or equivalent for gross alpha and beta activity. Background and sample count times will be determined in order to reach a minimum detectable activity of no more than 10% of the most stringent DAC for the site. If radioactivity is detected on a filter, the filter will be recounted each day on the Ludlum 3030 until radioactivity is no longer detected to determine whether elevated activity is the result of radon progeny. A final analysis of the filter will occur no less than 96 hours after sample collection to allow for sufficient decay of radon progeny.

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From: Fife, Greg [mailto:fife.greg@epa.gov]
Sent: Thursday, May 9, 2019 3:37 PM
To: Bordelon, David <David.Bordelon@WestonSolutions.com>
Subject: RE: Lowerline

**** External Email ****
I'm thinking we may need to add some lo-vol sampling on the perimeters. We should be able to read it with the 30-30s or 29-29s. See what Sam says.

From: Bordelon, David <David.Bordelon@WestonSolutions.com>
Sent: Thursday, May 9, 2019 11:06 AM
To: Fife, Greg <fife.greg@epa.gov>
Subject: RE: Lowerline

Do you need anything from us? We can put together our workplan that will outline the perimeter air sampling and day to day H&S requirements. Was going to have ARS provide if they were going to sub, he said they already had one drafted.

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From: Fife, Greg [mailto:fife.greg@epa.gov]
Sent: Thursday, May 9, 2019 9:25 AM
To: Bordelon, David <David.Bordelon@WestonSolutions.com>
Subject: Re: Lowerline

**** External Email ****
Ok.

Did you get the message that the call is now 9:45?

Sent from my iPhone

On May 9, 2019, at 9:10 AM, Bordelon, David <David.Bordelon@WestonSolutions.com> wrote:

FYI, Greg Lord with ARS just called and said they didn't have people for the proposed schedule, so we'll provide personnel.

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