Message

From: Bordelon, David [David.Bordelon@WestonSolutions.com]
Sent: 3/21/2019 2:06:25 PM
To: Poppell, Sam W. [Poppell.Sam@epa.gov]; Fife, Greg [fife.greg@epa.gov]; Brozowski, George [brozowski.george@epa.gov]
CC: sam cheek [sam.cheek@westonsolutions.com]; Sherman, Robert [Robert.Sherman@WestonSolutions.com]
Subject: RE: Lowerline Assessment Data

I've spoken with our radiation group who've had time to look through ARS's data and replies to questions. They believe the assessment/survey that ARS conducted for the city is comprehensive and accurate. That's not to say that readings would not change once the overburden was removed from the source material. Basically they've conducted the assessment in the same manner as we would suggest, and we would be reproducing similar/same data. We could collect some samples using a Geoprobe, but ARS has already removed and analyzed a portion of the material and we know what's down there. We'll defer to George and Sam's opinion on whether additional information needs to be gathered to satisfy EPA's removal requirements.

David

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From: Poppell, Sam W. [mailto:Poppell.Sam@epa.gov]
Sent: Monday, March 18, 2019 9:52 AM
To: Fife, Greg <fife.greg@epa.gov>; Bordelon, David <David.Bordelon@WestonSolutions.com>; Brozowski, George <brozowski.george@epa.gov>
Subject: RE: Lowerline Assessment Data

**** External Email ****
Greg, you are correct. In past cleanups EPA has consistently used the 5 pCi/g for radium-226 cleanup. Twice or three times background has been consistently used for doing surveys with uR meters. Be careful using the units '10 microCi/hr' – the correct unit for what you are describing should be "10 micro (u) R/hr. This is the correct unit for exposure and/or exposure rate. The background for that location, and it may vary from location to location, should be between 5 – 12 uR/hr. This all depends on the construction material and natural environmental radiation levels.

From: Fife, Greg
Sent: Friday, March 15, 2019 9:55 AM
To: Bordelon, David <David.Bordelon@WestonSolutions.com>; Brozowski, George <brozowski.george@epa.gov>; Poppell, Sam W. <Poppell.Sam@epa.gov>
Subject: RE: Lowerline Assessment Data

I'm looking for advice from George. But the 5 pCi/g should be our cleanup level, its what we have used and its in the guidance documents. The twice background or 10 microCi/hr seems to be our action level. That is based on the 5 microCi/hr background for the area.

From: Bordelon, David <David.Bordelon@WestonSolutions.com>
Sent: Friday, March 15, 2019 9:49 AM
To: Fife, Greg <fife.greg@epa.gov>; Brozowski, George <brozowski.george@epa.gov>; Poppell, Sam W. <Poppell.Sam@epa.gov>
Subject: FW: Lowerline Assessment Data

FYI. This really doesn't tell us much until we know their action level, either the 2x background CPM # or the correlation to 5 pCi/g #. Do you all have a preference on which to use? Don't know if they performed a correlation.

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From: Cook, David
Sent: Thursday, March 14, 2019 6:38 PM
To: Bordelon, David <David.Bordelon@WestonSolutions.com>
Subject: RE: Lowerline Assessment Data

See attached map. This is just a quick and dirty map (need to add proper title block and source info, etc.) Let me know with CPM thresholds too.

Thanks

David Cook
START R6 IT/Data Management Lead
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From: Bordelon, David
Sent: Thursday, March 14, 2019 4:20 PM
To: Cook, David <David.Cook@WestonSolutions.com>
Subject: FW: Lowerline Assessment Data

Could you create a GIS project with the attached data? WO 20600.012.001.1227.01

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From: Kelly Ausbrooks [mailto:kausbrooks@amrad.com]
Sent: Thursday, March 14, 2019 3:21 PM
To: Bordelon, David <David.Bordelon@WestonSolutions.com>; Greg Lord <glord@aar-llc.com>
Subject: RE: Lowerline Assessment Data

**** External Email ****
I was able to reformat into an Excel file that's small enough to transmit. I didn't embed the images. The file includes all the salient information. Coordinates are in LA state plane, NAD 83 datum, differentially corrected. CPM is from a Ludlum 44-10, gross counts, open window on the 2221 with 1 second export.

Let me know if there's any questions.

KA

Kelly Ausbrooks, MS, CHP
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From: Bordelon, David <David.Bordelon@WestonSolutions.com>
Sent: Thursday, March 14, 2019 11:07 AM

To: Kelly Ausbrooks <kausbrooks@amrad.com>; Greg Lord <glord@aar-llc.com>
Subject: Lowerline Assessment Data

Kelly or Greg,

Were you able to set up an FTP site to transfer the Lowerline data?

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