Message

From: Bordelon, David [David.Bordelon@WestonSolutions.com]
Sent: 3/15/2019 6:46:43 PM
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
Attachments: ATT00001.txt; Lowerline St Assessment.pdf

With scale reflecting ARS's standards.

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From: Cook, David
Sent: Friday, March 15, 2019 1:35 PM
To: Bordelon, David <David.Bordelon@WestonSolutions.com>; Schoenfelder, Robert P. <R.Schoenfelder@WestonSolutions.com>; Cheek, Sam <Sam.Cheek@WestonSolutions.com>
Subject: RE: Lowerline Assessment Data

Note that the highest CPM value in the dataset I was provided was 384595 which doesn't match the threshold maximum value shown below.

Updated map attached.

David Cook
START R6 IT/Data Management Lead
Weston Solutions, Inc.
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(512) 970-8836 Cell

From: Bordelon, David
Sent: Friday, March 15, 2019 12:24 PM
To: Schoenfelder, Robert P. <R.Schoenfelder@WestonSolutions.com>; Cheek, Sam <Sam.Cheek@WestonSolutions.com>; Cook, David <David.Cook@WestonSolutions.com>
Subject: FW: Lowerline Assessment Data

See below

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From: Kelly Ausbrooks [mailto:kausbrooks@amrad.com]
Sent: Friday, March 15, 2019 12:22 PM
To: Bordelon, David <David.Bordelon@WestonSolutions.com>
Cc: Greg Lord <glord@aar-llc.com>
Subject: RE: Lowerline Assessment Data

**** External Email ****

Background was established using the GPS data, subtracting the obviously elevated results.

Mean was 1627 cpm with a median of 1564. Standard deviation was 362.

We considered 1627 as the background value. Note, this was a surface measurement. We would need to correct in the excavation due to geometry variation.

The detector was collimated and shielded. That's why the results are so low for a 2x2 NaI.

Bins for the graphic are as follows

0-2350 – green (mean + 2 sigma)

2351-2700 – blue (mean + 3 sigma)

2701-3050

3051 – 6550

6551-10050

10051-45050

45051-80050

80051-115050

115051-465050 – hot pink or magenta

From: Bordelon, David <David.Bordelon@WestonSolutions.com>
Sent: Friday, March 15, 2019 11:14 AM
To: Kelly Ausbrooks <kausbrooks@amrad.com>
Subject: RE: Lowerline Assessment Data

What was background in CPM?

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From: Kelly Ausbrooks [mailto:kausbrooks@amrad.com]
Sent: Friday, March 15, 2019 11:02 AM
To: Bordelon, David <David.Bordelon@WestonSolutions.com>; Greg Lord <glord@aar-llc.com>
Subject: RE: Lowerline Assessment Data

**** External Email ****
The short answer is no. Because LDEQ asked that we use 2x background as their general rule of thumb for approximately 5 pCi/g, we did not run microshield or other computer models to determine a specific correlation factor. We couldn't do that reliably anyway given that we are measuring dose rate at the surface and the contamination is 24-30 inches BGS.

I'm working on responses to your other questions now.

K

From: Bordelon, David <David.Bordelon@WestonSolutions.com>
Sent: Friday, March 15, 2019 9:12 AM
To: Kelly Ausbrooks <kausbrooks@amrad.com>; Greg Lord <glord@aar-llc.com>
Subject: RE: Lowerline Assessment Data

Kelly,

Thanks again for the data. Do you have a CPM number correlated to 5 pCi/g.

David

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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

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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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