Message

From: Kelly Ausbrooks [kausbrooks@amrad.com]
Sent: 3/18/2019 12:14:20 PM
To: Bordelon, David [David.Bordelon@WestonSolutions.com]; Greg Lord [glord@aar-llc.com]
CC: Fife, Greg [fife.greg@epa.gov]; Brozowski, George [brozowski.george@epa.gov]; Poppell, Sam W. [Poppell.Sam@epa.gov]
Subject: RE: Lowerline Assessment Data
Attachments: ATT00001.txt

See below. If you need something else, let me know.

From: Bordelon, David <David.Bordelon@WestonSolutions.com>
Sent: Friday, March 15, 2019 9:45 AM
To: Kelly Ausbrooks <kausbrooks@amrad.com>; Greg Lord <glord@aar-llc.com>
Cc: Fife, Greg (fife.greg@epa.gov) <fife.greg@epa.gov>; brozowski.george@epa.gov; Poppell, Sam W. <Poppell.Sam@epa.gov>
Subject: RE: Lowerline Assessment Data

A couple of other questions from our people:

- What is the cleanup criteria?-Will we use a PRG approach for the scenario, 5 pCi/g, or twice background which is mentioned in the LDEQ reports?
  My conversations with LDEQ focused on their preference with 2x background. As we had planned a very limited excavation based on the available data, that seemed like a easy to implement and reasonable approach. With the changed condition and the additional excavation involved, I would recommend that the strategy be changed to the use of a derived CPM action limit correlating to 5 pCi/g using Microshield, modeled for the excavated geometry. I believe LDEQ would accept that provided there was adequate conservatism in the calculation. We, and LDEQ, wanted a value to use in the field so we could backfill immediately. No one wanted to leave the excavation open to wait for lab data from soil samples.
- Did you all perform a correlation? Or just went with twice background as the cleanup level? If so what is the CPM # for action level?
  Due to the limited excavation we expected to perform, we stuck with 2x background and intended to collect confirmation soil samples prior to backfilling. As the hole was still contaminated, we did not get to implement that strategy.
- Do you all have any smear results for the decon?
  All smears were *less than detect* following decon. We used a Ludlum 3030 with 1 minute count time and 10 minute background, so our MDC was less than 20 dpm/100cm2.
- Do you have a basic statement regarding the frequency and documentation procedures for meter calibration and operation checks? Will help our team with the validation of the data.
  ARS procedures require meters to be calibrated annually in accordance with ANSI N323. Meters were subject to daily performance checks with acceptable ranges set at +-20% for established background and reference radiation sources. All meters used on this project were in calibration and passed daily performance check prior to use.
- Did you all use a PIC? If so can you provide readings?
  We did not use a pressurized ion chamber.

Thanks
David

David Bordelon
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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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