Message

From: Brozowski, George [brozowski.george@epa.gov]
Sent: 5/7/2019 7:20:12 PM
To: Fife, Greg [fife.greg@epa.gov]
Subject: RE: LOWERLINE STREET REMOVAL EFFORTS Q&A's

Good afternoon and your math is not wrong, just on the high side.

What Paul Charp (CDC HP and a person I have worked with in the past) and I have done was use more conservative values to get the number he has in yellow.

The bottom line – the place must be cleaned up due to the number exceeds all the guidance out there.

Hope this helps.

George P. Brozowski
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EPA's Region 6 covers NM, OK, AR, LA & TX

From: Fife, Greg
Sent: Tuesday, 7 May, 2019 9:03 AM
To: Brozowski, George <brozowski.george@epa.gov>
Subject: FW: LOWERLINE STREET REMOVAL EFFORTS Q&A's

Is my math wrong? Or is Paul Charp's (in yellow highlighter at the bottom) correct? I did add the 'per quarter' to make it clearer.

1. *Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances or pollutants or contaminants. 40 C.F.R. § 300.415(b)(2)(i)*

The current exposure rate from the Ra-226 at the Site is several times higher than the EPA acceptable exposure limit of 125 mR/quarter. In fact, the annual dose

allowable for the general public can be exceeded at levels at the street or adjacent areas in less than 1 hour per day. The exposure rate measured by the post excavation survey was 1.5 mR/hr. An average of 1-hour exposure per day would result in an approximate dose of 135 R per quarter. That does not include exposure to naturally occuring radiation, medical treatments, and other man-made exposures.

From: Shannon Soileau <Shannon.Soileau@LA.GOV>
Sent: Tuesday, May 7, 2019 8:05 AM
To: Fife, Greg <fife.greg@epa.gov>
Cc: Lyke, Jennifer <Lyke.Jennifer@epa.gov>; Coats, Janetta <coats.janetta@epa.gov>; Rosalind Green (LDH-OPH) <Rosalind.Green@LA.GOV>
Subject: FW: LOWERLINE STREET REMOVAL EFFORTS Q&A's

Hi Greg- See highlighted comment below re: draft memo (bottom of pg7). Can you give me a call to discuss? 504-568-8142

Shannon

From: Lyke, Jennifer <Lyke.Jennifer@epa.gov>
Sent: Wednesday, May 01, 2019 8:31 AM
To: Shannon Soileau <Shannon.Soileau@LA.GOV>
Cc: yjp8@cdc.gov
Subject: Fwd: LOWERLINE STREET REMOVAL EFFORTS Q&A's

My apologies. I forwarded before reading your email from yesterday, based on Paul's comment. I think the mistake is on EPA's part. Jennifer

Sent from my iPhone

Begin forwarded message:

> **From:** "Charp, Paul (ATSDR/DCHI/EB)" <pac4@cdc.gov>
> **Date:** April 30, 2019 at 10:20:13 PM CDT
> **To:** "Lyke, Jennifer L. (EPA) (CDC epa.gov)" <lyke.jennifer@epa.gov>, "McLanahan, Eva (ATSDR/DCHI/OD)" <yjp8@cdc.gov>
> **Cc:** "Parham, Alan (ATSDR/DCHI/EB)" <axp9@cdc.gov>, "Foster, Teresa C. (ATSDR/DCHI/EB)" <tef9@cdc.gov>, "Trubiano, Anthony (ATSDR/DCHI/EB)" <mto8@cdc.gov>
> **Subject: Re: LOWERLINE STREET REMOVAL EFFORTS Q&A's**
>
> Thanks Jennifer. There appears to be a math error in the email from Shannon so a bit of clarification is needed. If the exposure rate is 1.5 mR/h, then an hour per day for a year is about 0.55 mR/y. Converting to a dose will be about the same.

Paul Charp

Sent from my iPad Pro