From: Gorin, Jonathan
To: DiPippo, Gary
Cc: John M. Hoffman
Subject: RE: Another hopefully "quick" question
Date: Monday, November 18, 2013 12:55:00 PM

Thanks Gary, I forgot about the 0.7 number, you presented it several times and I think it's in the FS. That's useful, I'm going to round it to 1.

Anyway, it sounds like there's no good way to guess how much will settle by the time we get there.

So here's my bad way – 20lbs of mercury per truck load. Less than a pound would settle out.

I have a call into Stablex asking (again) that one specific question: "Will you take soil containing visible mercury?" I want a "oui" or a "no" not a "peut-etre."

From: DiPippo, Gary [mailto:Gary.DiPippo@Cornerstoneeg.com]
Sent: Monday, November 18, 2013 12:42 PM
To: Gorin, Jonathan
Cc: John M. Hoffman
Subject: RE: Another hopefully "quick" question

Jon,

The short answer is there is no accurate way to do this calculation because with the exception of 1 or 2 samples (cannot remember exactly) from the RI, when visible mercury was noted analytical work was not performed on the sample.

At one time we had looked at some numbers. For instance, if we were to take the total mercury mass calculated by the concentrations from samples in the areas of the PTW, and assume that 25% of the mass is elemental mercury (arbitrary number), the result is 0.7 lbs of Hg/CY of soil.

At LCP Bridge Street the soil washing resulted in 2.2 lbs of Hg/CY of soil.

As to how much might end up at the bottom of a bin at Stablex, another level of guessing since the process is proprietary and despite our best efforts we were never able to confirm Stablex had ever actually accepted material with free, elemental mercury.

Not sure how helpful this is, as there is not a technical basis for any of the numbers if you are actually trying to predict how much elemental mercury exists or would be present at the end of the process.

Please let me know if there is anything we can do to help.

Gary

From: Gorin, Jonathan [mailto:Gorin.Jonathan@epa.gov]
Sent: Monday, November 18, 2013 11:26 AM
To: DiPippo, Gary
Cc: John M. Hoffman
Subject: Another hopefully "quick" question

Maybe two questions. I'm trying to estimate at how much elemental mercury could end up at the bottom of a container of shipped soil to Canada.

By weight, how much of a ton of the PTW soil is mercury? I can't even figure out a way to estimate it, maybe double or quadruple the highest measured concentration?

Any ideas on how to do this?

Thanks, jon

Ps, John do not read anything into this question!