From: Carey Guilbeau
To: Stein, Carol; Chester, Amy; Vargas, Ricardito
Subject: RE: LNAPL Volume Estimates
Date: Tuesday, August 31, 2021 11:56:54 AM
Attachments: ATT00001.txt

Hi Carol,

The LNAPL and PSH estimates provided by the ERT are the amount of hydrocarbons floating on top of the water table and do not include water volumes.

In the CAS report sent yesterday, there is a total fluid (oil and water) volume provided for vacuum truck activities. It is not possible to obtain the oil/water cut from vacuuming activities without going through quite a bit of additional effort in the field.

Best wishes! I admire your dedication! And, I assure you I will do my best to ensure continued success of the HOVENSA project.

Regards,
Carey Guilbeau
HOVENSA Environmental Response Trust (ERT)
Trust Representative and Technical Program Manager
Office: (340) 692-3179
Cell: (340) 626-2521

From: Stein, Carol [mailto:Stein.Carol@epa.gov]
Sent: Tuesday, August 31, 2021 11:48 AM
To: Carey Guilbeau <CGuilbeau@HovensaERT.com>; Chester, Amy <Chester.Amy@epa.gov>; Vargas, Ricardito <vargas.ricardito@epa.gov>
Subject: RE: LNAPL Volume Estimates

Hi Carey. I am on my way out. I have one question regarding the LNAPL. Is it total liquid or actual product? Just wanted to know because at the site next door (SCA plume) they have been doing some work distinguishing total liquid (which could be partially water from rainfall) from product. It is something for all of you to discuss after I leave today.

All the best,
Carol

From: Carey Guilbeau <CGuilbeau@HovensaERT.com>
Sent: Tuesday, August 31, 2021 9:57 AM
To: Chester, Amy <Chester.Amy@epa.gov>; Stein, Carol <Stein.Carol@epa.gov>; Vargas, Ricardito <vargas.ricardito@epa.gov>

Subject: RE: LNAPL Volume Estimates

That is correct. I can likely get that number for you. I should have it by later today.

Regards,
Carey Guilbeau
HOVENSA Environmental Response Trust (ERT)
Trust Representative and Technical Program Manager
Office: (340) 692-3179
Cell: (340) 626-2521

From: Chester, Amy [mailto:Chester.Amy@epa.gov]
Sent: Tuesday, August 31, 2021 9:55 AM
To: Carey Guilbeau <CGuilbeau@HovensaERT.com>; Stein, Carol <Stein.Carol@epa.gov>; Vargas, Ricardito <vargas.ricardito@epa.gov>
Subject: RE: LNAPL Volume Estimates

Great – Confirming then that I can't look at the chart to determine the quantity of LNAPL tied to Limetree- is that correct?

From: Carey Guilbeau <CGuilbeau@HovensaERT.com>
Sent: Tuesday, August 31, 2021 9:51 AM
To: Chester, Amy <Chester.Amy@epa.gov>; Stein, Carol <Stein.Carol@epa.gov>; Vargas, Ricardito <vargas.ricardito@epa.gov>
Subject: RE: LNAPL Volume Estimates

Hi Amy,

Please see **answers** below.

Regards,
Carey Guilbeau
HOVENSA Environmental Response Trust (ERT)
Trust Representative and Technical Program Manager
Office: (340) 692-3179
Cell: (340) 626-2521

From: Chester, Amy [mailto:Chester.Amy@epa.gov]

Sent: Tuesday, August 31, 2021 9:18 AM
To: Carey Guilbeau <CGuilbeau@HovensaERT.com>; Stein, Carol <Stein.Carol@epa.gov>; Vargas, Ricardito <vargas.ricardito@epa.gov>
Subject: RE: LNAPL Volume Estimates

Carey –
Thank you so much for this information.

1. Is it correct that this chart covers all "new (Limetree related) contamination" since 2016? **Yes. The chart also covers any remaining HOVENSA contamination and SCPC contamination, i.e. the chart covers the entire Site.**

2. Also, to the extent there has been recent discussion about new contamination, I had assumed that we were talking about a very new release if you will. Is that correct or have we always been talking about post 2016 new contamination? **There are very new occurences of PSH which likely indicate a new/recent release from Limetree. And there are also occurences of PSH extending back to 2016 that likely indicate releases of PSH. There have been multiple new occurences of PSH since 2016, and the the most recent new occurences were observed in June 2021.**

3 And to the extent you are trying to determine if the source for the new contamination is LBR vs LBT- is that for all the post 2016 contamination or just the most recent contamination (assuming my assumption in point 2 is correct)? **For all of the post-2016 contamination.**

Again – thank you! **You are welcome and please let me know if additional info is needed.**

From: Carey Guilbeau <CGuilbeau@HovensaERT.com>
Sent: Monday, August 30, 2021 10:05 PM
To: Chester, Amy <Chester.Amy@epa.gov>; Stein, Carol <Stein.Carol@epa.gov>; Vargas, Ricardito <vargas.ricardito@epa.gov>
Subject: LNAPL Volume Estimates

Good evening,

The below table with estimated LNAPL (or PSH) volumes by Subdomain is from Appendix B of the August 30, 2021 Corrective Action Status Report (CAS). The attached figure indicates the location of each Subdomain (Figure 1.5 of the CAS report). Please let me know if you would like any additional information.

Regards,
Carey Guilbeau
HOVENSA Environmental Response Trust (ERT)
Trust Representative and Technical Program Manager
Office: (340) 692-3179
Cell: (340) 626-2521