To: Burns, Francis[Burns.Fran@epa.gov]; Hodgkiss, Kathy[Hodgkiss.Kathy@epa.gov]; Melvin, Karen[Melvin.Karen@epa.gov]; Wright, Dave[Wright.Dave@epa.gov]
Cc: Ryan, Daniel[Ryan.Daniel@epa.gov]; D'Andrea, Michael[DANDREA.MICHAEL@EPA.GOV]; Ioven, Dawn[Ioven.Dawn@epa.gov]
From: Garvin, Shawn
Sent: Wed 2/5/2014 1:12:14 AM
Subject: Re: Freedom Industries technical assistance request

Thx!

From: Burns, Francis
Sent: Tuesday, February 04, 2014 7:46:15 PM
To: Garvin, Shawn; Hodgkiss, Kathy; Melvin, Karen; Wright, Dave
Cc: Ryan, Daniel; D'Andrea, Michael; Ioven, Dawn
Subject: Re: Freedom Industries technical assistance request

Dawn has Dr. Tierney's information and is calling her. Dawn is working through the calculation, which is proving challenging but should finish this evening.

From: Garvin, Shawn
Sent: Tuesday, February 04, 2014 6:46:39 PM
To: Hodgkiss, Kathy; Melvin, Karen; Wright, Dave; Burns, Francis
Cc: Ryan, Daniel; D'Andrea, Michael
Subject: Re: Freedom Industries technical assistance request

Kathy - Dr. Tierney tried to call Dawn but got voice mail. She has a hearing tomorrow at 10:00, and could really use some feedback before then. She can be reached at 304-356-4123 for awhile, and then can be reached at 304-206-2286 after that. Could someone please give her a call and let her know what we know, or at least let her know if we can get her something by 9:15 tomorrow morning.

Thank you - Shawn

From: Garvin, Shawn
Sent: Tuesday, February 04, 2014 5:49:57 PM
To: Hodgkiss, Kathy; Melvin, Karen; Wright, Dave; Burns, Francis
Cc: Ryan, Daniel; D'Andrea, Michael
Subject: Re: Freedom Industries technical assistance request

Thanks

From: Hodgkiss, Kathy

Sent: Tuesday, February 04, 2014 5:46:53 PM
To: Garvin, Shawn; Melvin, Karen; Wright, Dave; Burns, Francis
Cc: Ryan, Daniel; D'Andrea, Michael
Subject: RE: Freedom Industries technical assistance request

Dawn is running the shower model now and will provide to Bob Helverson and Lora Werner (and me) who will in turn provide to Dr. Tierney. This should happen shortly. ATSDR will provide Dawn's phone number to Dr. Tierney if she has any questions.

From: Garvin, Shawn
Sent: Tuesday, February 04, 2014 5:38 PM
To: Hodgkiss, Kathy; Melvin, Karen; Wright, Dave; Burns, Francis
Cc: Ryan, Daniel; D'Andrea, Michael
Subject: Fw: Freedom Industries technical assistance request

Any thoughts?

From: Popovic, Tanja (CDC/ONDIEH/NCEH) <txp1@cdc.gov>
Sent: Tuesday, February 04, 2014 4:39:51 PM
To: Garvin, Shawn
Cc: Popovic, Tanja (CDC/ONDIEH/NCEH)
Subject: FW: Freedom Industries technical assistance request

Shawn,

We just got a request from WV for assistance – see below – our SMEs believe that more along your lines. Given the sensitivity of the WV issues, heads up that this may come to you guys shortly.

My iPhone : 470-216-2389

My work bberry being fixed as we speak

Tanja

From: Helverson, Robert (CDC epa.gov)
Sent: Tuesday, February 04, 2014 2:49 PM
To: Werner, Lora S. (CDC epa.gov); Kapil, Vikas (CDC/ONDIEH/NCEH); Murray, Ed

(ATSDR/DTHHS/OD); Cseh, Larry (ATSDR/DTHHS/OD); Chaney, Sascha (ATSDR/OA/OD)
Cc: Mellard, David (ATSDR/DCHI/EB); Markiewicz, Karl (EPA) (CDC epa.gov)
Subject: Freedom Industries technical assistance request
Importance: High

Good Afternoon Dr. Murray,

Dr. Tierney (WVBPH) called me a few moments ago regarding formaldehyde inhalation exposures from showering. Dr. Tierney has a hearing before the WV State Senate at 10 am tomorrow to discuss the water contamination event and she expects questions about formaldehyde regardless of its relevance to the actual spilled material. A former EPA researcher (no name offered) working at WVU spoke with Dr. Tierney and mentioned there is a shower model for assessing inhalation exposures to drinking water contaminants.

We have in the past used our own ATSDR-developed shower spreadsheet (based on EA model?) for evaluating chemical inhalation exposures and these modeled exposure calculations have been included in previous ATSDR documents (e.g. health consultations).

The specific technical assistance request is as follows: **Dr. Tierney would like to know if we can provide our shower model spreadsheet and/or determine the inhalation exposure value for formaldehyde based on Dr. Simonton's reported formaldehyde concentration of 32-33 ppb.**

Alternatively, we could direct her to the EPA model, although I have no knowledge of this model or how to access it. And I am not sure that would be too helpful unless the model was run for Dr. Tierney.

ATSDR Region 3 has worked directly with Dr. David Mellard in the past with these shower model efforts.

Robert H. Helverson
Region 3 Representative
Division of Community Health Investigations (DCHI)

Agency for Toxic Substances and Disease Registry (ATSDR)
Centers for Disease Control and Prevention (CDC)
1650 Arch Street (3HS00)
Philadelphia, PA 19103
(215) 814-3139 (Office)
(215) 814-3003 (Fax)
email: **gfu6@cdc.gov**