From: Colledge, Michelle
To: Patel, Shilpa; Sieffert, Margaret; Caudill, Motria
Cc: Lehrman, Loretta; Nash, Carlton
Subject: RE: ALSO: East Liverpool high-Mn dates in early 2013
Date: Monday, December 09, 2013 1:40:41 PM

Thank you!

Michelle A. Colledge MPH, PhD
CDR, U.S. Public Health Service
Agency for Toxic Substances and Disease Registry/NCEH/CDC, Region 5
77 W. Jackson Blvd., Room 413
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Chicago, Illinois 60604
Tel: 312-886-1462
Fax: 312-886-6066
P please consider the environment before printing this email

From: Patel, Shilpa
Sent: Monday, December 09, 2013 9:01 AM
To: Sieffert, Margaret; Colledge, Michelle; Caudill, Motria
Cc: Lehrman, Loretta; Nash, Carlton
Subject: RE: ALSO: East Liverpool high-Mn dates in early 2013

I did ask for some production information to see if I could determine if certian activities caused the historical highs; however, I couldn't see a pattern. Also, SH Bell doesn't track its production on an hourly basis just on a daily so that limited the analysis. I will have to see if I have data for the two days indicated below.

From: Sieffert, Margaret
Sent: Monday, December 09, 2013 7:42 AM
To: Colledge, Michelle; Caudill, Motria
Cc: Patel, Shilpa; Lehrman, Loretta; Nash, Carlton
Subject: RE: ALSO: East Liverpool high-Mn dates in early 2013

I do not know if we did or didn't. It would have come from Shilpa.

From: Colledge, Michelle
Sent: Friday, December 06, 2013 9:59 AM
To: Caudill, Motria
Cc: Patel, Shilpa; Lehrman, Loretta; Sieffert, Margaret
Subject: ALSO: East Liverpool high-Mn dates in early 2013

Shilpa and Margaret-

Didn't ARD send a 114 requesting activity/production records? I remember Carl saying that was the next step., but that was a few months ago...

Michelle
Michelle A. Colledge MPH, PhD

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From: Caudill, Motria
Sent: Friday, December 06, 2013 9:55 AM
To: phil.downey@epa.state.oh.us<mailto:phil.downey@epa.state.oh.us>; Braun, Paul; Fasko, Ed; randy.hock@epa.state.oh.us<mailto:randy.hock@epa.state.oh.us>; Koval, Paul; Machuga, Darren; diane.mcclure@epa.state.oh.us<mailto:diane.mcclure@epa.state.oh.us>; Colledge, Michelle; Princic, Bob
Cc: Patel, Shilpa; Lehrman, Loretta; Sieffert, Margaret
Subject: RE: East Liverpool high-Mn dates in early 2013

Phil - Thanks for passing on the meteorological data. See attached. Windroses for the high-Mn dates (March 5 and May 7) confirm SHBell as the source. Maybe Shilpa/Michelle/EPA have figured something out regarding facility activities on those dates (?). Per your earlier messages, they may be doing something routine and extra-manganesey on Tuesdays.

Copying Shilpa, sorry I think I left you off on some of the earlier notes.

-Motria

From: Caudill, Motria
Sent: Friday, October 18, 2013 9:09 AM
To: phil.downey@epa.state.oh.us<mailto:phil.downey@epa.state.oh.us>; Braun, Paul; Fasko, Ed; randy.hock@epa.state.oh.us<mailto:randy.hock@epa.state.oh.us>; Koval, Paul; Machuga, Darren; diane.mcclure@epa.state.oh.us<mailto:diane.mcclure@epa.state.oh.us>; Colledge, Michelle; Princic, Bob
Subject: RE: Daily results graph

Hi Phil - Thanks for sharing - this is interesting. There are two specific Tuesdays with peak Mn values that are driving the average (March 5 and May 7, 2013). So I think the question is whether that's just a coincidence, or is there something different that the facility is routinely doing on Tuesdays. Maybe there is some type of shipping activity that occurs on the 1st Tuesday of each month that involves loading/unloading? Do you have wind direction data for those peak value dates? That could help identify the emissions point. Please keep me in the loop on follow-up discussions and analyses. Thanks!

From: Downey, Phil <Phil.Downey@epa.state.oh.us<mailto:Phil.Downey@epa.state.oh.us>>
Sent: Tuesday, October 08, 2013 7:39 AM
To: Braun, Paul; Fasko, Ed; randy.hock@epa.state.oh.us<mailto:randy.hock@epa.state.oh.us>; Koval, Paul; Machuga, Darren; diane.mcclure@epa.state.oh.us<mailto:diane.mcclure@epa.state.oh.us>; Colledge, Michelle; Caudill, Motria; Princic, Bob
Subject: Daily results graph

[cid:image001.gif@01CEF4B2.26556610]
I have attached a graph of the daily concentrations to compare Mn levels Sunday through Saturday.

Phil Downey
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[cid:image001.png@01CD8048.721C2460]