To: McClintock, Katie[McClintock.Katie@epa.gov]
From: Elleman, Robert
Sent: Fri 2/5/2016 6:39:36 PM
Subject: RE: Heads up on emerging issue in PDX.

I would join if I were free. And it's OK that I'm not. Better to get people all on the same page, and then I can get brought up to the same page later by you, Dave, Madonna, or Zach.

From: McClintock, Katie
Sent: Friday, February 05, 2016 10:05 AM
To: Elleman, Robert <Elleman.Robert@epa.gov>
Subject: RE: Heads up on emerging issue in PDX.

Thanks Rob –

I think this is in many ways going to be an all-hands-on-deck situation so it is great to have you involved. I'm going to try to set up a technical call for epa people today because there are many people doing many different things and I thought it might be useful to all talk. I'll include you and you can decide if it is worth participating.

Katie

From: Elleman, Robert
Sent: Friday, February 05, 2016 8:20 AM
To: McClintock, Katie <McClintock.Katie@epa.gov>
Cc: Hedgpeth, Zach <Hedgpeth.Zach@epa.gov>
Subject: RE: Heads up on emerging issue in PDX.

Katie,

Thanks to Zach for letting me know you guys are on the case. I'm (was… past tense I think is better since I've just exhausted my usefulness) involved because I work with the technical folks at Oregon who made the measurements, and not because I know anything about glass manufacturing. Have you seen the original moss presentation? Here it is, just in case: http://www.lar.wsu.edu/nw-airquest/docs/20150624_meeting/20150625_Donovan_moss.pdf. Oregon DEQ presented that to our NW-AIRQUEST (fed/state/local/tribal air quality scientists like me) last summer and said they would be following up with monitoring. And they did.

My expertise is in the meteorology and ambient air quality side of things. There are still a couple things I'd like to know about the project. Next time I talk to Anthony Barnack at Oregon DEQ, I plan to ask him what monitoring technique they used and also explore the geography to understand whether they were in the area of expected maximum contribution. And I plan to ask their dispersion modeler, Phil Allen, if he has plans to investigate other sources in Oregon. I won't need to get too involved because the group at DEQ is swift and will have it all under control.

I don't know who owns this project (I guess that's for managers to sort out), but it won't be me. If I find out any interesting tidbits or learn through the DEQ air quality scientists what other activities they are doing, I will let you know.

Rob

From: McClintock, Katie
Sent: Friday, February 05, 2016 7:16 AM
To: Hedgpeth, Zach <Hedgpeth.Zach@epa.gov>; Elleman, Robert <Elleman.Robert@epa.gov>; Narvaez, Madonna <Narvaez.Madonna@epa.gov>; Bray, Dave <Bray.Dave@epa.gov>; Koprowski, Paul <Koprowski.Paul@epa.gov>; Islam, Mahbubul <Islam.Mahbubul@epa.gov>; Downey, Scott <Downey.Scott@epa.gov>
Subject: RE: Heads up on emerging issue in PDX.

Thanks Zach for looping me in.

Others, this list is a good start but it includes both large glass manufacturers who don't use metals and people who do glass "fabrication" which involves turning regular flat glass into windows (coatings/cutting/etc). I will try to clean this list up so we have a more targeted list of

people who do just this work. Is there a main person who would work with me on this? I can't tell from the chain who own this work but it seems very good to do.

Also, please keep me in the loop on future communications about this facility as I am the enforcement contact on this case (and also the national glass expert so I can probably help!).

Katie

From: Hedgpeth, Zach
Sent: Friday, February 05, 2016 6:40 AM
To: McClintock, Katie <McClintock.Katie@epa.gov>
Subject: Fw: Heads up on emerging issue in PDX.

Hi Katie -- here's another email discussion regarding the Bullseye Glass issue, in case you haven't seen this. It relates to ideas on finding any other similar situations.

From: Elleman, Robert
Sent: Thursday, February 4, 2016 6:28 PM
To: Hedgpeth, Zach
Subject: FW: Heads up on emerging issue in PDX.

I got started in this because of my connections to the technical people at DEQ who are involved in the project and because I happened to be at the air manager's meeting for Mahbubul yesterday. But really at some point this is better suited for someone like you. So, FYI on what my role has been and that I'm open to doing more or less, or nothing, depending on what you and others see fit.

From: Elleman, Robert
Sent: Thursday, February 04, 2016 6:25 PM

To: Narvaez, Madonna <Narvaez.Madonna@epa.gov>; Koprowski, Paul <Koprowski.Paul@epa.gov>; Downey, Scott <Downey.Scott@epa.gov>; Bray, Dave <Bray.Dave@epa.gov>; Dossett, Donald <Dossett.Donald@epa.gov>
Cc: Mahbubul Islam <Islam.Mahbubul@epa.gov>
Subject: RE: Heads up on emerging issue in PDX.

Our resourceful James Lopez-Baird in OEA pulled together a list of all the glass manufacturers in our four R10 states. See the attachment.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

James says he can put all the information on an interactive GIS web page for us so we can explore it geographically for ourselves. He estimated he would get to it tomorrow morning.

From: Narvaez, Madonna
Sent: Thursday, February 04, 2016 12:50 PM
To: Elleman, Robert <Elleman.Robert@epa.gov>; Koprowski, Paul <Koprowski.Paul@epa.gov>; Downey, Scott <Downey.Scott@epa.gov>; Bray, Dave <Bray.Dave@epa.gov>; Dossett, Donald <Dossett.Donald@epa.gov>
Subject: RE: Heads up on emerging issue in PDX.

Thanks, Rob. I am having trouble finding out how much glass they produce. I think with annual sales of $19.8 M, it must be a lot.

From: Elleman, Robert
Sent: Thursday, February 04, 2016 11:30 AM
To: Koprowski, Paul <Koprowski.Paul@epa.gov>; Downey, Scott <Downey.Scott@epa.gov>; Narvaez, Madonna <Narvaez.Madonna@epa.gov>; Bray, Dave <Bray.Dave@epa.gov>; Dossett, Donald <Dossett.Donald@epa.gov>
Subject: FW: Heads up on emerging issue in PDX.

Just sending you all the technical details I gathered this morning after speaking with Oregon DEQ's air emission inventory person.

- Bullseye may be the only source quite like this in Portland. There was another hot spot measured with moss on Swans Island but few details on that and less of a smoking gun.

- The NAICS for glass and glass product manufacturing is 32721. DEQ found a bunch of other companies in that category in Portland. See attachment GlassManufacturingfor Geoff.xlsx.

- The 6-digit SCC for glass manufacturing is 305014. There are a couple 8-digit SCCs that might be significant emitters similar to Bullseye.

- The person I talked to at DEQ doesn't think there would be helpful information in the NEI or in the air toxics database to help us find similar facilities in R10. He thought that searching for facilities through a NAICS database is the most promising avenue. He suggested ESRI's Business Analyst to accomplish such a task. He was interested in doing such a search for all of Oregon but ran into roadblock with software licenses.

- I may have a lead on how to access Business Analyst and do the search here in R10, but maybe you all have a better idea.

- Apparently Puget Sound Clean Air was notified of these results and may have already done a survey for their jurisdiction.

From: Hastings, Janis
Sent: Thursday, February 04, 2016 11:07 AM
To: Holsman, Marianne <Holsman.Marianne@epa.gov>
Cc: Downey, Scott <Downey.Scott@epa.gov>; Fleming, Sheila <fleming.sheila@epa.gov>; Narvaez, Madonna <Narvaez.Madonna@epa.gov>; Bray, Dave <Bray.Dave@epa.gov>; Dossett, Donald <Dossett.Donald@epa.gov>; Koprowski, Paul <Koprowski.Paul@epa.gov>; Pirzadeh, Michelle <Pirzadeh.Michelle@epa.gov>; Elleman, Robert <Elleman.Robert@epa.gov>
Subject: Re: Heads up on emerging issue in PDX.

In the interest of time, I'm sending the summary that we have so far from Paul Koprowski. Scott Downey may have an update later today.

As a result of a collaborative study to better understand the sources and distribution of arsenic and cadmium air pollution in Portland Oregon, DEQ found a significant "hot spot" at Southeast 22nd Ave. and Powell Boulevard. ODEQ, the Oregon Health Authority, Multnomah County Health Departments and ATSDR are working collaboratively to determine the impact to public health. Additional monitors are being deployed by ODEQ and the agency is about to release maps that outline the affected area. ODEQ will be posting the data summary to their website soon.

ODEQ issued a press release on Feb. 3rd about the findings. ODEQ has been working on refining and analyzing the data since it was first discovered in October. The initial findings are that the monthly average is 49 times greater than the state air toxics benchmark for cadmium and 159 times the DEQ air toxics benchmark for arsenic. ATSDR and OEA are evaluating the findings in relation to EPA health standards. Representatives from ATSDR are in Portland to assist in communicating the impact to the community.

The source is permitted as a minor source of air toxics emissions. ODEQ has confirmed they are in compliance with the permit. Bullseye Glass produces colored flat glass for use in the arts industry. Air contaminant control equipment at the facility includes a baghouse.

The neighborhood around Bullseye Glass includes residences, the Fred Meyer Corporate offices, a daycare and Cleveland High School, a variety of business and a park with a playing field and basketball court.

From: Holsman, Marianne
Sent: Thursday, February 4, 2016 10:46 AM
To: McLerran, Dennis; Pirzadeh, Michelle; Dunbar, Bill
Cc: Hastings, Janis; Smith, Judy; Downey, Scott
Subject: Heads up on emerging issue in PDX.

OCE and AWT are working on a hot issues write up on this and we are going to draft a reactive desk statement for press calls. I understand we are talking with ODEQ today on this matter. Stand by for more information. There are several other clips on this as a result of a DEQ news release of yesterday (attached).

http://www.portlandmercury.com/BlogtownPDX/archives/2016/02/03/arsenic-cadmium-levels-near-two-se-portland-schools-are-alarmingly-high-state-finds

State Finds Alarmingly High Arsenic, Cadmium Levels Near Two SE Portland Schools

www.portlandmercury.com

GoogleA portion of the Bullseye Glass facility in SE Portland Within days, state officials are slated to release the alarming results of a monitoring program...

State Finds Alarmingly High Arsenic, Cadmium Levels Near Two SE Portland Schools

Posted by Daniel Forbes on Wed, Feb 3, 2016 at 2:06 PM

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Daniel Forbes is the author of **Derail this Train Wreck**. *He lives in Portland, and can be reached at ddanforbes@aol.com.*

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