To: McClintock, Katie[McClintock.Katie@epa.gov]; Elleman, Robert[Elleman.Robert@epa.gov]
From: Narvaez, Madonna
Sent: Fri 2/5/2016 5:45:39 PM
Subject: RE: Heads up on emerging issue in PDX.

The area source rule goes by tons of glass melted, and whether or not they contain metals.

Here is a link to the fact sheet and ACDP for Bullseye Glass:
http://www.deq.state.or.us/nwr/docs/26-3135BullseyeGlassRRPermit.pdf

Katie, I'll forward you some of the other articles and information Paul shared yesterday.

From: McClintock, Katie
Sent: Friday, February 05, 2016 9:40 AM
To: Narvaez, Madonna <Narvaez.Madonna@epa.gov>; Elleman, Robert <Elleman.Robert@epa.gov>
Subject: RE: Heads up on emerging issue in PDX.

I saw two conflicting numbers. There are tons metals melted and tons glass melted. What data do we have for each and what are the sources?

From: Narvaez, Madonna
Sent: Friday, February 05, 2016 9:37 AM
To: Elleman, Robert <Elleman.Robert@epa.gov>; McClintock, Katie <McClintock.Katie@epa.gov>
Subject: RE: Heads up on emerging issue in PDX.

The article didn't have it right. It said 6 tpy hazardous materials. In 2009, they actually melted 2,144 tons, so they are definitely over the size threshold. **Ex. 5 - Deliberative Process** **Ex. 5 - Deliberative Process**

From: Elleman, Robert
Sent: Friday, February 05, 2016 9:30 AM
To: McClintock, Katie <McClintock.Katie@epa.gov>; Narvaez, Madonna

<Narvaez.Madonna@epa.gov>
Subject: FW: Heads up on emerging issue in PDX.

Madonna,

It sounds like Katie is already sorting this out.

The Portland Mercury article referred to the fact that they only use 6 tpy of material to begin with and so there is no way they would reach Oregon's threshold of 10 tpy. I really don't know the context of all that, but it's information.

The angle I was trying to get started, and I think where Katie is headed, is to figure out of there are other places like Bullseye that should be on the radar (pun intended) screen of us and the relevant delegated authorities.

Rob

From: Narvaez, Madonna
Sent: Friday, February 05, 2016 9:26 AM
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>
Cc: Islam, Mahbubul <Islam.Mahbubul@epa.gov>
Subject: RE: Heads up on emerging issue in PDX.

Thanks, Rob! The next thing would be to find out which are using continuous furnaces instead of batch furnaces.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

From: Elleman, Robert
Sent: Thursday, February 04, 2016 6:26 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: Islam, Mahbubul <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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