From: Eastside Portland Air Coalition
To: WESTERSUND Joe
Cc: artglass2016
Subject: Re: European glass rules
Date: Thursday, June 02, 2016 11:51:46 AM

Hi Joe,

Thanks for contacting me. I sent the European rules in response to the comments from DEQ that there is no overarching guidance from the EPA in terms of art glass manufacturing rules. I'm glad to hear the temporary rules are somewhat in alignment with these European rules, although still not the health-based rules we were looking for.

Thank you so much for carefully looking at this.

Best,

Jessica

Sent from my iPhone

On Jun 2, 2016, at 9:50 AM, WESTERSUND Joe <WESTERSUND.Joe@deq.state.or.us> wrote:

> Hi Jessica,
>
> Thank you for sending this.
>
> My impression after reading the glass section of the 'best available techniques' document is that it sounds pretty close to what's currently in the art glass rule. Table 9 lists FF (fabric filter, aka baghouse) as the most effective control measure for direct emissions.
>
> The document also mentions some variations on how to heat the furnace. The Tier 1 CAGMs all use electrical heating for their furnaces. (The Tier 2s use electricity + natural gas).
>
> Are there aspects of European standards or control methods where you see an opportunity to do something different and better than the current temporary rules?
>
> -Joe
>
> **From:** Eastside Portland Air Coalition [mailto:eastsideportlandair@gmail.com]
> **Sent:** Sunday, May 29, 2016 5:54 PM
> **To:** WESTERSUND Joe <WESTERSUND.Joe@deq.state.or.us>
> **Subject:** European glass rules
>
> Hi Joe,
>
> We met at the fiscal advisory meeting for temporary rules for art glass manufacturers. I said that I would pass on this link to you in regard to European standards for art glass.
>
> One of the main points is that in Europe, the art glass manufacturing started at regular glass making factories where much of the pollution control was already in place. The difference in the United States is the art glass industry is very separate than that of regular glass manufacturing. The art glass community in the US never benefitted from the regular glass community and pollution control technology was/is not part of the culture as much as it could be.
>
> Here is the link to European glass manufacturing.
>
> www.UNECE.org
>
> Specifically, the link for glass manufacturing is here: http://www.unece.org/fileadmin/DAM/env/documents/2012/air/Guidance_document_on_best_available_techniques_for_controlling_emissions_of_HM.pdf
>
> Thank you,
>
> Jessica Applegate
> Eastside Portland Air Coalition

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