From: WESTERSUND Joe
To: PALERMO Jaclyn
Cc: artglass2016
Subject: art glass research questions
Date: Wednesday, August 10, 2016 11:28:53 AM

Hi Jaclyn,

Here's a more organized list of questions where I think research is needed:

- What is metal HAP glass production level of Northstar, Trautman and Glass Alchemy?
  - Is it above or below the 5 tpy level discussed?
- Do CAGMs use mercury? (question posed by George)
- What are the biggest facilities (in terms of metal HAP glass production tpy) outside the Portland AQMA?
  - Current data is for total glass tpy, not comparable to rule threshold
  - This info would be useful for discussion about making statewide.
- What other metals are used by CAGMs, other than those regulated in the rule?
  - We discussed adding cobalt and selenium to the rule. Are there other metals used that are potentially toxic? Someone mentioned yrbium oxide, maybe there are some exotic ingredients that should also be in the metal HAP list.

-Joe

Joe Westersund
Oregon Department of Environmental Quality
811 SW 6th Avenue, Portland, OR 97204
(503) 229-6240 office
westersund.joe@deq.state.or.us
Usual Schedule: 8am - 5pm, M-F