From: Katie Hill Brandt
To: Cordes, Richard M (MPCA)
Cc: Troy A. Bech (troy.bech@sanimax.com)
Subject: Re: Emission factors
Date: Tuesday, June 11, 2013 4:34:46 PM

Dick,

Sanimax conducted stack testing on Boiler #1 in July 2010, although they tested while firing #6 fuel oil, so we do not have recent emissions data for #2 fuel oil on their boilers.

Please give me a call at your earliest convenience to discuss next steps.

Thanks,

Katie Hill Brandt, PE | Environmental Engineer
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From: "Cordes, Richard M (MPCA)" <richard.cordes@state.mn.us>
To: "Katie Hill Brandt (SEH)" <khillbrandt@sehinc.com>,
Cc: "Troy A. Bech (troy.bech@sanimax.com)" <troy.bech@sanimax.com>
Date: 06/11/2013 08:26 AM
Subject: Emission factors

Katie –

I'm reviewing the emission calculations from the permit application, initially focusing on the "Combustion (Proposed)" tab. After reviewing the information for Boiler No. 1, I have the following comments:

- I was unable to identify the reference for emissions of antimony from natural gas.
- The emission factors for PM10 and PM2.5 for the combustion of #2 fuel oil (and also from combustion of RAFVO) appear to omit condensable particulate.

Please address these comment for me. Thanks.

Richard Cordes, P.E.
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