Message

From: Hence, Kia [hence.kia@epa.gov]
Sent: 5/18/2017 8:17:28 PM
To: Gibson, Benjamin [gibson.benjamin@epa.gov]
CC: Palma, Elizabeth [Palma.Elizabeth@epa.gov]; Joerger, Verena [joerger.verena@epa.gov]
Subject: RE: Follow-up to Maryland and Pennsylvania EEs

Thanks Ben,

I'll let MDE and PADEP know.

From: Gibson, Benjamin
Sent: Thursday, May 18, 2017 4:16 PM
To: Hence, Kia <hence.kia@epa.gov>
Cc: Palma, Elizabeth <Palma.Elizabeth@epa.gov>
Subject: RE: Follow-up to Maryland and Pennsylvania EEs

Hi Kia,

FYI – I've been informed that the June/July 2016 data for CSN was loaded into AQS yesterday. The state and local agencies should now have the ability to access each other's final datasets.

Ben

From: Gibson, Benjamin
Sent: Tuesday, February 21, 2017 8:21 AM
To: Hence, Kia <hence.kia@epa.gov>
Cc: Palma, Elizabeth <Palma.Elizabeth@epa.gov>; Landis, Elizabeth <Landis.Elizabeth@epa.gov>
Subject: RE: Follow-up to Maryland and Pennsylvania EEs

Hi Kia,

Beth and I met with Beth Landis and Joann Rice this morning to discuss status and options for the provision of speciation data to states and, specifically, the request from MD and PA. We think we have a path forward that will satisfy the needs of the states for developing their exceptional events demonstrations in time for the 2015 ozone designations:

Data from May 2016:

- Each state's own data is available now in DART.
- All state data will be publicly available in AQS by mid-April.
- MI, NY, and WI have given their permission to share their data prior to public release with interested parties, including MD and PA. MI, NY and WI lie in the heart of the most likely plume path from Fort McMurray to the northeastern U.S. Feel free to contact Beth Landis (copied) or me if you would like the May data from any of these three states to share with MD or PA.

Data from July (and June) 2016:

- Each state's own data will be available in DART in mid-March.
- All state data will be publicly available in AQS by end of April.

OAQPS suggests that states intending to submit exceptional events demonstrations for consideration in the 2015 ozone designation process proceed with developing their full exceptional event demonstrations and integrating speciation data as they becomes available, if the data add value. States may also proceed with the public comment process prior to

integrating speciation data. The EPA would not require an additional public comment period unless the core rationale for the demonstration changes following the initial public comment process. In the event that relevant speciation data are not available prior to May 31, the state may submit its demonstration without the speciation data with the understanding that it may provide speciation as an addendum by a later date pre-agreed upon with its EPA Regional office.

We would also like to have a quick call with you to answer any follow-up questions and make sure this process seems clear and reasonable to you. When are you available?

Thanks,
Ben and Beth

From: Hence, Kia
Sent: Tuesday, February 14, 2017 4:53 PM
To: Gibson, Benjamin <gibson.benjamin@epa.gov>
Cc: Palma, Elizabeth <Palma.Elizabeth@epa.gov>
Subject: Follow-up to Maryland and Pennsylvania EEs

Hi Ben and Beth,

Last Friday I had a call with PADEP And MDE. Both states:

- Plan on submitting EE demos for both events (May and July 2016 wildfires).
- Are going to submit full demonstrations for the 2008 and 2015 Ozone NAAQS (regardless of immediate regulatory impact).
- Request speciation data from the Northwest and Great lakes states to track the plume.

Please see emails following…
Oh one more thing how should they flag the data in AQS?

From: Joel Dreessen -MDE- [mailto:joel.dreessen@maryland.gov]
Sent: Tuesday, February 14, 2017 9:20 AM
To: Hence, Kia <hence.kia@epa.gov>
Subject: Re: Follow-up to the Regions 1,2&3 EE call and additional questions

Hi Kia,

I wanted to add something more to Joel's discussion (thanks, Joel, for sending these emails).

1.) Regarding the May event, I agree with Joel that the PM 2.5 speciation data would be very useful if we could get the data (for 5/21, 5/24 and 5/27) from all states within EPA Regions 1-5. I have completed a quick search within AQS and noticed that the IMPROVE data has not been uploaded (for any period in 2016). I would be interested in seeing this data as well.

2.) Regarding the July event, the 1-in-6 schedule fell on July 17 and July 23. The 1-in-3 schedule yielded samples on the following days: July 17, July 20, and July 23. If we are looking until the end of the month, the additional samples we would need include July 26 and July 29. PA's data request would be from the same states outlined in number 1 above, from EPA Regions 1-5.

Thanks again Kia for your help. I look forward to working with you (and MD) on this project.

Best regards,

Sean

From: Joel Dreessen -MDE- [mailto:joel.dreessen@maryland.gov]
Sent: Tuesday, February 14, 2017 9:20 AM
To: Hence, Kia <hence.kia@epa.gov>
Subject: Re: Follow-up to the Regions 1,2&3 EE call and additional questions

Kia,
I was reminded about July data as well. For July, I think we can focus on the smaller list of states provided in the last email for any speciation days from July 15 - July 30 (Off hand I don't remember which days fell on 1 in 3s). Thanks!

Joel

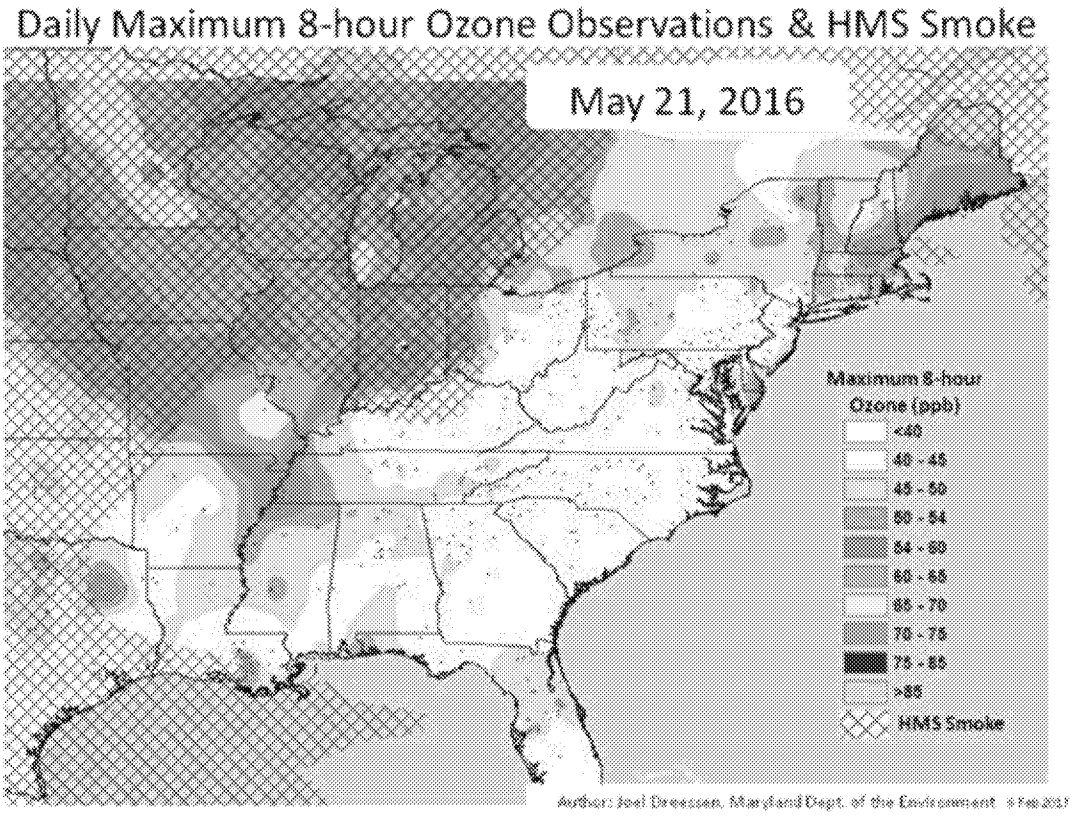
On Tue, Feb 14, 2017 at 9:01 AM, Joel Dreessen -MDE- <joel.dreessen@maryland.gov> wrote:
Kia,
With Maryland's objective being to show that smoke modified the upstream air mass, we will need to show the smoke via Speciated PM2.5 data in many of the upstream states. I've attached two figures showing ozone and Hazard Mapping System (HMS) analyzed smoke across the eastern US on May 21 and 24. What is clear from these images is that on the speciation days (5/21, 5/24) the smoke could have covered a wide area near the surface. Due to the meteorology of the period (slow moving surface high pressure) the transport patterns of the smoke are not necessarily "straightline" and direct, so its most advisable to track the full spatial extent of the smoke using the speciation data. That means we need many states to do so.

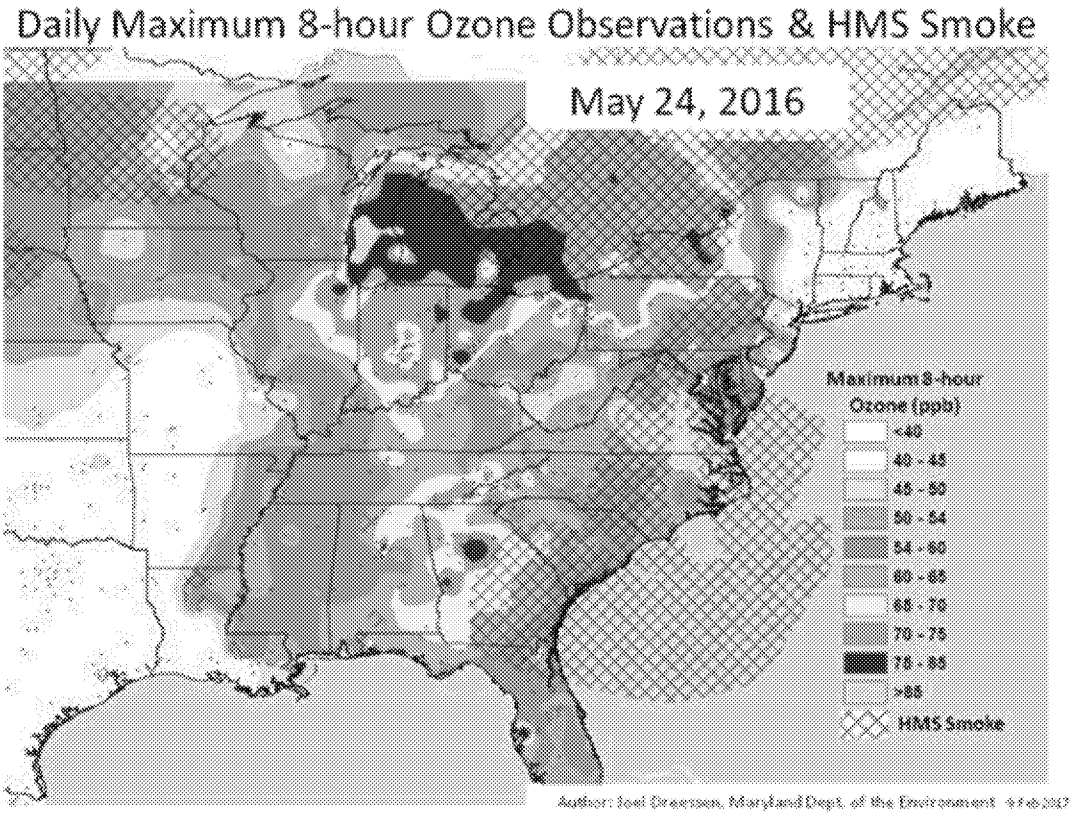
A best case scenario is speciation data for EPA regions 2, 3, 4, & 5. That will cover the areas relevant for PA and MD I think. If thats asking too much, then a shorter list of states would be: Minnesota, Wisconsin, Iowa, Illinois, Michigan, Indiana, Ohio, Pennsylvania and New York..... In this shorter list, I'll ignore the smoke plume over the southern states. If we could get May 21, 24 AND 27, I think it would help round out our arguments.

Thanks for doing what you can Kia. I'm not sure if Sean would need anything more. I will be trying to map these spatially, so whatever data you are able to get, I will need to be able identify the site's location easily - having at least the AQS code should help.

Joel

They are PNGs. Let me try again. I'll try to put them inline on this email this time.





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