Message

From: Shuster, Kenneth [Shuster.Kenneth@epa.gov]
Sent: 9/8/2016 8:10:41 PM
To: Gerhard, Sasha [Gerhard.Sasha@epa.gov]
Subject: RE: Draft QAPP for Radford Arsenal OBG Flyer Testing

I didn't finish my edits...will try to get this to you tomorrow (my CWD). Thx.

From: Gerhard, Sasha
Sent: Thursday, September 08, 2016 12:15 PM
To: Shuster, Kenneth <Shuster.Kenneth@epa.gov>
Cc: Kohler, Amanda <Kohler.Amanda@epa.gov>; Colon, Lilybeth <Colon.Lilybeth@epa.gov>; Galbraith, Michael <Galbraith.Michael@epa.gov>; Gaines, Jeff <Gaines.Jeff@epa.gov>; Crosby-Vega, Terri <Crosby-Vega.Terri@epa.gov>
Subject: RE: Draft QAPP for Radford Arsenal OBG Flyer Testing

Hi Ken,

Here is my draft response to VADEQ. I tried to capture what we discussed yesterday, keeping it rather general. Please edit as you see fit and then I'll send along to Ashby.

Hi Ashby,

Our apologies for not getting back to you before the deadline. Ken, Harry Craig (R9), and I reviewed the QAPP and our only major comment pertains to the limited scope of the testing; that is, its sole focus is to collect combusted air emissions from the plume. That's not necessarily a bad thing, as it certainly is beneficial to collect additional data from live events (versus laboratory) for continued development of emission factors (EFs), but also, we recognize that the public is the impetus behind the flyer sampling, so understand why this testing is limited to flyer/drone sampling.

Another observation is that the quality of data collected will be impacted by many variables including the wind direction and speed, the position of the sampler relative to the plume, the timing of the initiation of sampling in the plume, and so forth. Thus, it is difficult to know definitively whether the reported results will be truly representative. It would be beneficial to be able to correlate the emissions captured by the drone to deposition on the soil as determined by a soil sampling profile.

As we discussed a few months ago on a conference call with you and Leslie, we are concerned that the EFs under development do not account for deposition onto the soil, which is a critical factor in development of EFs for OB/OD. Ideally, we would have like to have seen this test also include soil deposition profiles, but we understand that likely wasn't considered as an option.

We appreciate the opportunity to review and comment.

Regards,
Sasha

Sasha Gerhard
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From: Shuster, Kenneth
Sent: Monday, August 29, 2016 9:14 AM
To: Gerhard, Sasha <Gerhard.Sasha@epa.gov>; Galbraith, Michael Galbraith. <Michael@epa.gov>
Cc: Kohler, Amanda <Kohler.Amanda@epa.gov>; Gaines, Jeff <Gaines.Jeff@epa.gov>; Crosby-Vega, Terri <Crosby-Vega.Terri@epa.gov>
Subject: FW: Draft QAPP for Radford Arsenal OBG Flyer Testing

FYI...Any comments?

From: Scott, Ashby (DEQ) [mailto:Ashby.Scott@deq.virginia.gov]
Sent: Friday, August 26, 2016 9:41 AM
To: Shuster, Kenneth <Shuster.Kenneth@epa.gov>
Cc: leslie.romanchik@deq.virginia.gov
Subject: Draft QAPP for Radford Arsenal OBG Flyer Testing

Ken,

Attached is the QAPP for the flyer emissions sampling at Radford's OBG. Sampling is scheduled for Sept. 19-30. Let me know if you have any comments.

Thanks,
Ashby

Ashby R. Scott
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