Message

From: Moore, Kendall [moore.kendall@epa.gov]
Sent: 3/2/2017 8:09:07 PM
To: Piplic, Devlin [piplicd@monroe.wednet.edu]
CC: Mullin, Michelle [Mullin.Michelle@epa.gov]; Amanda Zych [azych@snohd.org]; Kevin Plemel [kplemel@snohd.org]; Jeff Ketchel [jketchel@snohd.org]; John Mannix [mannixj@monroe.wednet.edu]; Ramanauskas, Peter [ramanauskas.peter@epa.gov]; Peachey, Robert [peachey.robert@epa.gov]
Subject: Re: PCB quartly testing for Sky Valley Education Center

Recognize that we may require additional wipe sampling if it's determined that this sampling was inadequate.

From: Piplic, Devlin <piplicd@monroe.wednet.edu>
Sent: Thursday, March 2, 2017 1:41:01 PM
To: Moore, Kendall
Cc: Mullin, Michelle; Amanda Zych; Kevin Plemel; Jeff Ketchel; John Mannix; Ramanauskas, Peter; Peachey, Robert
Subject: Re: PCB quartly testing for Sky Valley Education Center

Kendall,

The wipe samples have already been ordered from the lab so I will not be able to take back the order. However, if you would like to perform additional sampling we can certainly discuss that.

As for sampling in the annex, room F is a classroom. The electrical room does not have any transformers or capacitors in the space. The electrical room is also on the other side of the buildings.

Devlin

On Thu, Mar 2, 2017 at 11:24 AM, Moore, Kendall <moore.kendall@epa.gov> wrote:

Devlin, you may want to hold off on the wipe sampling in the electrical rooms until we have a chance to approve a sampling plan. Your proposal to collect two samples in each room may not be seen as sufficient characterization of the areas. We'd need more time to discuss the photos before determining how many samples should be collected and what places should be sampled.

Also, your message says you are going to do air sampling in each of the transformer rooms, but the sampling map for the annex building only shows an air sample location in room F.

From: Mullin, Michelle
Sent: Thursday, March 2, 2017 12:03:30 PM
To: Moore, Kendall; Piplic, Devlin
Cc: Amanda Zych; Kevin Plemel; Jeff Ketchel; John Mannix; Ramanauskas, Peter; Peachey, Robert

Subject: RE: PCB quartly testing for Sky Valley Education Center

Devlin-

Our laboratory would like to know the brand and catalog number of the PUF filters that will be used for sample collection at the School.

They're going to purchase the same filters and use them to update the MDLs for the PCB method, so this would be good to know as quickly as possible.

Thank you,

Michelle Mullin | PCB Coordinator

U.S. Environmental Protection Agency | Region 10

Office of Air and Waste

p: **206.553.1616** | mullin.michelle@epa.gov

From: Mullin, Michelle
Sent: Wednesday, March 01, 2017 3:10 PM
To: Moore, Kendall <moore.kendall@epa.gov>; Piplic, Devlin <piplicd@monroe.wednet.edu>
Cc: Amanda Zych <azych@snohd.org>; Kevin Plemel <kplemel@snohd.org>; Jeff Ketchel <jketchel@snohd.org>; John Mannix <mannixj@monroe.wednet.edu>; Ramanauskas, Peter <ramanauskas.peter@epa.gov>; Peachey, Robert <peachey.robert@epa.gov>
Subject: RE: PCB quartly testing for Sky Valley Education Center

Devlin-

I just spoke with the QA folks in R10 and they suggested the following elements be included in the QA Plan:

-ensure the mass flow controllers on the mini-vols have been properly calibrated.

-provide EPA with the air volume data recorded from the mini-vols along with the PUFs.

-in addition to the inlet height mentioned by Kendall, it would be good to know the orientation of the inlets on the samplers with a representative photo of one of the collocated samplers taken at the time of sampling.

I'm working on getting all the lab info together and will have shipping information for you later this week.

Michelle Mullin | PCB Coordinator

U.S. Environmental Protection Agency | Region 10

Office of Air and Waste

p: **206.553.1616** | mullin.michelle@epa.gov

From: Moore, Kendall
Sent: Wednesday, March 01, 2017 11:05 AM
To: Piplic, Devlin <piplicd@monroe.wednet.edu>
Cc: Mullin, Michelle <Mullin.Michelle@epa.gov>; Amanda Zych <azych@snohd.org>; Kevin Plemel <kplemel@snohd.org>; Jeff Ketchel <jketchel@snohd.org>; John Mannix <mannixj@monroe.wednet.edu>; Ramanauskas, Peter <ramanauskas.peter@epa.gov>; Peachey, Robert <peachey.robert@epa.gov>
Subject: Re: PCB quartly testing for Sky Valley Education Center

Devlin, please send us a copy of Fulcrum Environmental's QA plan for this project. At a minimum we strongly recommend that the following elements be included:

to comply with TO-10a they should include:

- 1 field blank per 20 samples – PUF cartridge shipped to the field and shipped back to the lab.
- 1 field spike per 20 samples – PUF cartridge spiked at the lab with a known concentration of PCB and then shipped to the field in a sealed container.
- 1 duplicate per 10 samples – should ideally be collected near the same point, at the same time – they obviously would need to use 2 pumps for that.

For the wipe samples the standard QC samples (field blank per shipment, 1 duplicate per 10, 1 MS/MSD pair per 20, collected on adjacent squares of the surface).

In terms of preventing the cross-contamination issue, if they use more than 1 pump they can bring down the likelihood of contamination spreading to so many samples from the pump. We'd need some more info on what sort of pump they're using before recommending any kind of equipment blanks (their QAPP that should have the info).

The inlets of the pump sampling apparatus should be 1-2 m above the ground, as specific in TO-10A. The purpose of that is to prevent dust from the floor from being carried into the pump (possibly what caused the contamination the first time).

From: Piplic, Devlin <piplicd@monroe.wednet.edu>
Sent: Wednesday, March 1, 2017 10:39:23 AM
To: Moore, Kendall
Cc: Mullin, Michelle; Amanda Zych; Kevin Plemel; Jeff Ketchel; John Mannix
Subject: Re: PCB quartly testing for Sky Valley Education Center

Good Morning,

I just wanted to followup our meeting on Monday as well as tough base on the plan for additional testing as previously discussed. I have contacted Fulcrum Environmental Consulting. The will be onsite Monday, March 6th to conduct air and wipe sample testing for a several locations. We would have like to have them out sooner, but the lab has to build the media filters for the testing. We will either get them Friday Afternoon or Monday morning. The testing will include split air samples (7) of the prior locations that were identified as cross contamination, it will also include single air samples of the electrical rooms that had a transformer in the space, we will also include two wipe samples in the spaces with a transformer (one wipe sample will be taken in the space and the other will be taken on the transformer itself). I have included a map outlining the testing locations, types of testing, and number of tests taking place. I have also included pictures of the electrical rooms that had transformers as well as other electrical rooms in those areas.

I will need to know what the EPA would like to do with the 7 air samples for there review. Can the EPA clarify they would like to get those samples for testing?

Please let me know if you have any questions regarding the testing for next Monday.

Devlin

On Tue, Feb 28, 2017 at 6:31 AM, Moore, Kendall <moore.kendall@epa.gov> wrote:

> Since a new company will do the re-test, it's better to get their QAPP rather than PBS's

From: Mullin, Michelle
Sent: Monday, February 27, 2017 5:40 PM
To: Moore, Kendall <moore.kendall@epa.gov>; Piplic, Devlin <piplicd@monroe.wednet.edu>; Amanda Zych <azych@snohd.org>; Kevin Plemel <kplemel@snohd.org>; Jeff Ketchel <jketchel@snohd.org>; John Mannix <mannixj@monroe.wednet.edu>

Subject: RE: PCB quartly testing for Sky Valley Education Center

Hi All-

The Region 10 lab can handle the split sample analysis.

John- do you have a QAPP for your air sample collection that you can get from PBS?

Michelle Mullin | PCB Coordinator

U.S. Environmental Protection Agency | Region 10

Office of Air and Waste

p: **206.553.1616** | mullin.michelle@epa.gov

From: Moore, Kendall
Sent: Monday, February 27, 2017 2:01 PM
To: Piplic, Devlin <piplicd@monroe.wednet.edu>; Amanda Zych <azych@snohd.org>; Kevin Plemel <kplemel@snohd.org>; Jeff Ketchel <jketchel@snohd.org>; Mullin, Michelle <Mullin.Michelle@epa.gov>; John Mannix <mannixj@monroe.wednet.edu>
Subject: RE: PCB quartly testing for Sky Valley Education Center

Devlin and John, after the meeting today we discussed the cross-contamination explanation. If PBS can provide sample data from the site sampled prior to SVEC, and those results show high levels of PCBs, we feel that would offer additional validation of that explanation.

From: Piplic, Devlin [mailto:piplicd@monroe.wednet.edu]
Sent: Thursday, February 23, 2017 8:41 AM
To: Amanda Zych <azych@snohd.org>; Kevin Plemel <kplemel@snohd.org>; Jeff Ketchel <jketchel@snohd.org>;

Moore, Kendall <moore.kendall@epa.gov>; Mullin, Michelle <Mullin.Michelle@epa.gov>; John Mannix <mannixj@monroe.wednet.edu>
Subject: PCB quartly testing for Sky Valley Education Center

Good Morning,

Here is the monitoring report and test results from the air sample testing completed in December and January at SVEC.

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Devlin Piplic
Director of Facilities
200 East Fremont
Monroe, WA 98272
Office: 360.804.2679

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