Message

From: Brad Gentry [bgentry@iwmconsult.com]
Sent: 5/20/2019 1:39:18 PM
To: Sundar, Bhooma [sundar.bhooma@epa.gov]; Chris Parks [cparks@iwmconsult.com]; jbian@amphenol-aao.com
CC: Neal, Conor [Neal.Conor@epa.gov]; Caudill, Motria [caudill.motria@epa.gov]; Bury, Carolyn [bury.carolyn@epa.gov]
Subject: RE: Ambient Air Sampling Event

Thank you Bhooma. Per our follow-up discussion, we will be conducting the sampling event tomorrow and given the short distance between the system exhaust and property line, we both agree that deactivating the carbon filter a minimum of 12 hours prior to initiating the sampling event will be sufficient. I also understand that you will be notifying IDEM regarding the upcoming ambient air sampling event.

Thank you for the quick review and response.

Sincerely,

Bradley E. Gentry, LPG
Vice President/Brownfield Coordinator
IWM Consulting Group, LLC
7428 Rockville Road
Indianapolis, IN 46214
Mobile: (317) 435-8877
Office: (317) 968-9256
Fax: (317) 347-9326

From: Sundar, Bhooma <sundar.bhooma@epa.gov>
Sent: Monday, May 20, 2019 9:10 AM
To: Brad Gentry <bgentry@iwmconsult.com>; Chris Parks <cparks@iwmconsult.com>; jbian@amphenol-aao.com
Cc: Neal, Conor <Neal.Conor@epa.gov>; Caudill, Motria <caudill.motria@epa.gov>; Bury, Carolyn <bury.carolyn@epa.gov>
Subject: Re: Ambient Air Sampling Event

Hi Brad,

Option 2 might work. Please proceed with 24 hour deactivation period.

Please notify IDEM on the upcoming ambient air sampling event.

Thanks

Bhooma Sundar

Project Manager/Toxicologist

RCRA Corrective Action (LU-16 J)

Land and Chemicals Division

USEPA Region 5

77, W. Jackson Blvd, Chicago, IL 60604

Tel: 312-886-1660

From: Brad Gentry <bgentry@iwmconsult.com>
Sent: Friday, May 17, 2019 3:13:50 PM
To: Sundar, Bhooma; Chris Parks; jbian@amphenol-aao.com
Cc: Neal, Conor; Caudill, Motria; Bury, Carolyn
Subject: RE: Ambient Air Sampling Event

Bhooma

As you can imagine, it is not possible to 100% predict the wind speed, direction, and distance to the property line (i.e. depends on direction of wind that day) during an upcoming sampling event so I believe modeling the time required for the contaminants to reach the property line cannot be accurately determined beforehand. However, given the relatively close distance to the property line

Potential options include the following:

1. Continue running the treatment system as it is currently configured, without bypassing the vapor carbon unit
2. Conduct the sampling after bypassing the vapor carbon using a pre-determined deactivation period prior to initiating the sampling activities; or
3. Attempt to model the dispersion of the air exhaust, knowing the this is an estimate only and has many variables/assumptions.

Please let me know your preference or call me on Monday to discuss.

Thanks

Sincerely,

Bradley E. Gentry, LPG
Vice President/Brownfield Coordinator

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From: Sundar, Bhooma <sundar.bhooma@epa.gov>
Sent: Friday, May 17, 2019 12:29 PM
To: Brad Gentry <bgentry@iwmconsult.com>; Chris Parks <cparks@iwmconsult.com>; jbian@amphenol-aao.com
Cc: Neal, Conor <Neal.Conor@epa.gov>; Caudill, Motria <caudill.motria@epa.gov>; Bury, Carolyn <bury.carolyn@epa.gov>
Subject: Re: Ambient Air Sampling Event

Hi Brad,

What is the duration of shutdown period? For outdoor air transport and migration of contaminants, depending on the windspeed, the time to reach the sampling location may vary. Is there a way you could model the time needed for the contaminants to travel and figure out the duration of the shutdown period and sampling time after the shutdown??

Bhooma

From: Brad Gentry <bgentry@iwmconsult.com>
Sent: Thursday, May 16, 2019 3:56:53 PM
To: Chris Parks; Sundar, Bhooma; jbian@amphenol-aao.com
Cc: Neal, Conor; Caudill, Motria; Bury, Carolyn
Subject: RE: Ambient Air Sampling Event

Bhooma

For clarification, the groundwater pump and treat portion of the system will continue to operate as normal but the vapor carbon treatment will be bypassed immediately prior to and during the perimeter ambient air sampling event.

Sincerely,

Bradley E. Gentry, LPG
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From: Chris Parks <cparks@iwmconsult.com>
Sent: Thursday, May 16, 2019 4:45 PM
To: Sundar, Bhooma <sundar.bhooma@epa.gov>; jbian@amphenol-aao.com
Cc: Brad Gentry <bgentry@iwmconsult.com>; Neal, Conor <Neal.Conor@epa.gov>; Caudill, Motria <caudill.motria@epa.gov>; bury.carolyn@epa.gov
Subject: Ambient Air Sampling Event

Bhooma,

We are planning on completing the second Ambient Air sampling event surrounding the on-Site groundwater treatment system next week. We will generally follow the same sampling protocol as the initial sampling event. Based on concerns following the initial sampling event, we will add a second sampling location on the east side of the site. Let us know if IDEM would need to be notified (since they were on-site during the last sampling event).

Per discussions with the USEPA, we will shut down the system vapor treatment during the sampling event.

Please let us know if you have any questions.

Thanks,

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