

Wickham, Jerry, Env. Health

From: Wickham, Jerry, Env. Health
Sent: Wednesday, May 06, 2015 12:01 PM
To: 'Kalve, Erica'
Subject: RE: RO411 Review of Air Monitoring Work Plan

Thanks, Erica. The procedure seems reasonable. I will not be requiring use of the shroud and tracer technique but it would be acceptable if proposed.

Would you please document these procedures in the form of either a Sampling Protocol Addendum or letter that I can attach as part of a conditional approval? You can email either of these back to me without submitting to our ftp site.

Jerry Wickham
Alameda County Environmental Health

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From: Kalve, Erica [mailto:Erica.Kalve@arcadis-us.com]
Sent: Wednesday, May 06, 2015 10:25 AM
To: Wickham, Jerry, Env. Health
Subject: RE: RO411 Review of Air Monitoring Work Plan

Hi Jerry,

I am so sorry for the delay! Our plan for the riser sampling is to install a ball valve on the riser pipe (at the roof level) with a sample port just below it. We plan to take a vacuum reading prior to closing the ball valve to observe if we have a vacuum in the line at the time of sampling. Regardless of the vacuum reading, we plan to close the ball valve and purge the approximate volume of air/gas from the riser pipe (the volume from ground surface where it connects to the GeoVent to the ball valve at roof level, specific purge volume to be calculated prior to sampling). Because it will be a large volume, we will use a high volume gas pump such as the Gast 1532 pump. After purging one volume, we will pull the grab sample. If needed, we could plan to incorporate the shroud and tracer gas sampling technique to test for leakage, and sample using a low flow gas pump, similar to how we sample soil gas wells. Our sampling protocol for the field staff will include taking a photo of the sampling train with the ball valve closed and then after sampling is complete, the field staff will remove all the sampling materials, open the ball valve, and take a second photo so that we can visually confirm that the ball valve was open after sampling was complete.

Please let me know if you would like a formal letter documenting these sampling procedures.

Best regards,
Erica

Please note my new contact information is provided below.

Erica Kalve, PG | Senior Geologist | erica.kalve@arcadis-us.com

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From: Wickham, Jerry, Env. Health [<mailto:jerry.wickham@acgov.org>]
Sent: Tuesday, May 05, 2015 6:27 PM
To: Kalve, Erica
Subject: FW: RO411 Review of Air Monitoring Work Plan

Erica,

I would like to complete review of the Building 300 Vapor and Indoor Air Monitoring Plan. I was not able to find an answer to the question below. Would you please send or re-send an answer on the comment below.

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From: Wickham, Jerry, Env. Health
Sent: Thursday, April 09, 2015 5:33 PM
To: Kalve, Erica
Subject: RO411 Review of Air Monitoring Work Plan

Erica,

I have reviewed the Building 300 Vapor and Indoor air Monitoring Plan and it generally looks good. The one area I have a question on is the vent riser sampling. Can you provide more information on how the grab vapor samples will be collected from the vent riser pipe and what the top of the pipe and sampling port look like? How will you know that the grab vapor samples from the vent risers are not mostly ambient air from the top of the pipe?

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