Joseph, Doug P - DNR

From: Nestingen, Kevin <KNestingen@braunintertec.com>
Sent: Thursday, February 20, 2014 11:05 AM
To: Joseph, Doug P - DNR
Subject: RE: Trane Plant 5 Work Plan

Thanks for the e-mail. I forwarded it to Mike Goldstein with Ingersoll Rand. His e-mail Michael.Goldshein@irco.com for future reference.

-Kevin

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Employee Ownership working for you

Kevin D. Nestingen, EIT
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From: Joseph, Doug P - DNR [mailto:Doug.Joseph@wisconsin.gov]
Sent: Thursday, February 20, 2014 9:22 AM
To: Nestingen, Kevin
Subject: RE: Trane Plant 5 Work Plan

After review of the attached expanded Vapor Assessment Workplan for Trane Building #5 and discussion with Terry Evenson, WDNR Central Office, I cannot approve the attached VAWP as submitted. The following would be acceptable modifications to the attached VAWP:

1. Conduct semi-annual VI sampling at SS-8, SS-9 and ambient indoor air until such time as the applicable vapor action levels (VALs) are met for four (4) consecutive rounds of sampling, or,
2. Install a sub-slab depressurization system (SSDS) to mitigate the potential for sub-slab vapors to impact indoor air at the facility, or,
3. Install a soil vapor extraction system (SVE) to address the source of TCE below the Plant #5 building.

I would point out that if they reach the point where they request closure in the future and there are still VALs exceeded below the Trane Plant #5 building, then a SSDS would be required as a condition of closure at that time. And since CVOC vapors trapped beneath a building do not seem to degrade under aerobic conditions, the likelihood that they will remain under Building #5 five years from now, as we approach a time when closure might be requested, is significant. I would therefore strongly recommend that your client reconsider the installation of an SVE system under Building #5 to reduce or eliminate the source of the CVOC vapors trapped below the building, or at a minimum, the installation of a SSDS to mitigate the potential for sub-slab vapors to impact indoor air at the facility. Whichever option is deemed best by Trane Company/Ingersoll Rand should be proposed in an amended VAWP. If your client wishes a formal approval of the amended VAWP, then the appropriate NR749 fee should be included, otherwise I will respond by e-mail.

I was not able to get the e-mail address for Michael Goldstein, the new contact person for Ingersoll Rand, from your attachment. Please send it to me in a future e-mail and forward this e-mail to him.

Joseph, Doug P - DNR

From: Joseph, Doug P - DNR
Sent: Thursday, February 20, 2014 9:22 AM
To: 'Nestingen, Kevin'
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I was not able to get the e-mail address for Michael Goldstein, the new contact person for Ingersoll Rand, from your attachment. Please send it to me in a future e-mail and forward this e-mail to him.

Thanks again for the thorough workplan included in your original e-mail. Please let me know if you have additional questions related to this matter.

Doug Joseph
Hydrogeologist
West Central Region
Bureau of Remediation & Redevelopment
Wisconsin Department of Natural Resources
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> **From:** Nestingen, Kevin [mailto:KNestingen@braunintertec.com]
> **Sent:** Tuesday, February 18, 2014 2:38 PM
> **To:** Joseph, Doug P - DNR
> **Subject:** Trane Plant 5 Work Plan
>
> Doug,

Please find attached our work plan for additional vapor intrusion sampling at the Trane Plant 5 in La Crosse, WI. On Tuesday, February 4th, we discussed collecting additional indoor air samples to further evaluate the vapor intrusion pathway for this building. I've also attached the new Trane (Ingersoll Rand) contact information. The former contact, Dave Sordi, will no longer be with IR starting February 28.

Please give me a call if you have any questions. If not, an e-mail "notice to proceed" is sufficient. We intend to collect the first indoor air sampling later this month.

Thanks,

Kevin

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