

From: Kevin Hedinger <Kevin.Hedinger@gza.com>
Sent: Wednesday, January 31, 2024 8:56 AM
To: Michalets, Linda M - DNR; James Drought
Cc: Don Gallo; ahm@milwaukeeplating.com;
ethanj@milwaukeeplating.com
Subject: RE: Milwaukee Plating status request

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Linda:

GZA has received and reviewed your electronic mail message dated January 26, 2024 in which the Department indicates that additional sampling at the building at 1422 Vel R Phillips is necessary based on “elevated TCE concentrations present in the alley”. The alley referenced is the alley between the Milwaukee Plating building and the 1422 Building.

As presented in our previous electronic mail dated October 26, 2023, the samples collected by GZA were analyzed by Eurofins using gas chromatography with a mass spectrometer (GC-MS). This method specifically identifies the TCE mass in the sample, if it is indeed present, and reports that concentration. The samples collected by the owner of the 1422 Building were analyzed by Assay Technology using gas chromatography with a flame ionization detector (FID). This method of analysis is not as specific to TCE and can be influenced by other compounds in the indoor air samples that elute at approximately the same time as TCE on the column. These other compounds interfere with the concentration of TCE and, because they elute at approximately the same time on the column, are combined with the TCE which causes the concentration reported to be elevated.

The samples collected by GZA (June 6, 2023 and September 8, 2023) during two previous sampling events that were analyzed using the GC-MS analytical method that specifically identifies the TCE concentration, indicate that the concentration in the 1422 Building for all indoor air samples analyzed was less than the Vapor Action Level of 8.8 ug/m³ for small commercial buildings. We do not believe, based on this recent sampling, that Milwaukee Plating is responsible for further indoor air sampling withing the 1422 building at this time, given the GC-MS test results.

Milwaukee Plating is evaluating mechanical options to address the potential TCE concentrations in the alley between these buildings. As we discussed previously, an option being investigated and strongly considered is to vent the air from the Milwaukee Plating vertically on the south side of the building and exhaust it above the roof line of the Milwaukee Plating building. There are other considerations that need to be evaluated to ensure that this discharge does not

influence other air intakes before this option can be considered viable for implementation. This option is being considered because the vapors would no longer be vented into the alley.

It should be noted that this modification to the Milwaukee Plating operations may not completely eliminate TCE from the indoor air in the 1422 Building if there is a source of TCE inside the 1422 Building or if there are other sources in the outdoor air concentration to the west and south of the 1422 Building that are drawn into the 1422 Building.

We trust this response is helpful. If you have any questions, please feel free to contact us at your convenience.

Thanks!

Kevin M. Hedinger
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From: Michalets, Linda M - DNR <Linda.Michalets@wisconsin.gov>
Sent: Friday, January 26, 2024 11:08 AM
To: Kevin Hedinger <Kevin.Hedinger@gza.com>; James Drought <James.Drought@gza.com>
Subject: [EXTERNAL] Milwaukee Plating status request

Hi Kevin and Jim,

Please provide the status of additional vapor sampling off-site. With elevated TCE concentrations present in the alley, Milwaukee Plating must continue to conduct vapor sampling next door. Also, provide soil and groundwater results to the DNR per § NR 716.14(2) as that investigation proceeds.

Thank you,

Linda

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Linda Michalets
she/her/hers

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