

Pfeiffer, Jane K - DNR

From: Pfeiffer, Jane K - DNR
Sent: Wednesday, August 9, 2023 8:20 AM
To: Pratap Singh
Cc: Robert Reineke; Shane LaFave; Que El-Amin; Mylotta, Pamela A - DNR
Subject: Community Within the Corridor - (CWC) West (02-41-587376) - Information Requested

Greetings,

On July 10, 2023, the Wisconsin Department of Natural Resources (DNR) received *Fifth Round of Commissioning for Community Within the Corridor – West Block – Buildings 6, 7, 8A, and 8B* (the Report) presented without a technical assistance fee by K. Singh & Associates, Inc. (K. Singh) on behalf of Community within the Corridor (CWC) for the CWC West Block Site. The DNR requests the following information as we review of the Report:

The standard operating procedures (SOPs) prepared by Hartman Environmental Geoscience (HEG) for the gas chromatograph (GC) GC were provided as Attachment D in the Report. A single calibration curve was included in Attachment D. It is unclear whether this graph portrays an initial calibration or one that occurred in May (the top of the graph is dated March 1, 2023, but the text below the graph states, "Last calibrated: Tue May 16."). The HEG SOP specifies additional steps that are needed to ensure a consistent analytical protocol. The DNR requests that K. Singh, on behalf of CWC, document its compliance with the HEG SOP to demonstrate that the quality of the data collected from the GC units is acceptable to confirm that the building conditions are protective of human health. The DNR requests that the information listed below be provided as standalone letter within 30-days of this email, by September 8, 2023.

1. Personnel qualifications: Document whether sampling technicians meet the minimum qualifications and training for operating the GC.
2. Reporting limits: Indicate what method detection limit and reporting (quantitation) limits are being achieved for trichloroethene (TCE). TCE concentrations of 0.00 µg/m³ are portrayed on Table 2, but other concentrations are reported at 0.3 µg/m³. It appears that the reporting limit may be between these values.
3. Sample collection: Provide a description of how the sample analyzed was collected and delivered to the GC unit.
4. Quality Assurance and Quality Control (QA/QC): Provide a description of how the procedures described in Section 11 of the HEG SOP were complied with, including:
 - a. Initial calibration: Procedure, date, and results from calibration of the GC unit prior to its use.
 - b. On-going QA/QC: A description of the procedures and frequency used to check the accuracy of the device during use, including calibration analysis, blank analysis, replicate analysis, a description of how calibration sample results were used to correct for instrument drift or determine the need for recalibration, and method used for standard preparation. Provide all QA/QC results.

Generally, the information presented in the Report demonstrates that indoor air within residential living spaces of the buildings is in compliance with residential vapor action levels (VALs) and that the vapor mitigation system (VMS) appears to capture the majority of the footprint of Buildings 6, 7, 8A, and 8B of CWC West Block. The information requested above is necessary to support the real-time GC indoor air data that was collected throughout these buildings. This information will also be used during the DNR's review of the upcoming commissioning report(s) for Buildings 4 and 5 of CWC West Block, since the GC units are also being used as a part of the vapor mitigation system commissioning process at these site buildings. Once the DNR receives the above-requested information, the DNR will complete our review of the Report and provide input on the status of the commissioning process for Buildings 6, 7, 8A, and 8B at the CWC West Block site. Thank you for your continued work at this site and for your cooperation.

Best, Jane

We are committed to service excellence.

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

Jane K. Pfeiffer

Hydrogeologist - Remediation & Redevelopment Program

Wisconsin Department of Natural Resources

Phone: (414) 435-8021

jane.pfeiffer@wisconsin.gov

