

## MEMORANDUM

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DATE : March 30, 2023

TO : Jane Pfeiffer / WDNR Project Manager

FROM : Pratap Singh, Ph.D., PE / KSingh

SUBJECT : Sampling Plan for Portable GC, Community Within the Corridor – East Block

COPY TO : Robert Reineke, PE / KSingh; Shane LaFave / Roers Companies

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The purpose of this memorandum is to give an outline of the sampling plan to address the presence of TCE in the East Block of the Community Within the Corridor (CWC) project. Because of the urgency of this matter, we have prepared this memorandum to outline the key points of our testing program. Please note the following:

- Hartman Environmental Geoscience of San Diego, California was retained by CWC / Roers Companies to gather real time data via Portable Gas Chromatography (GC) about concentrations of TCE on three floors of the East Block of CWC. The Statement of Qualifications for Hartman was forwarded to WDNR on 03/28/2023.
- The sampling plan consists of gathering discrete air samples from approximately 50 locations in the East Block and testing the samples for TCE. The sampling locations include 25 samples from the first floor, 15 from the second floor, and 10 samples from the third floor. In addition, one sample will be collected from the Mechanical Room. The criteria for selecting sampling locations are based on a balanced distribution of high (all locations where TCE concentrations exceeded 2.1 units), medium and low to no detectable concentration of TCE on each floor. In other words, the goal is to get an overall understanding of the TCE distribution on each floor and to identify the areas of concern. This work was completed today, March 30, 2023.
- Upon completion of discrete sampling, we will select five to six locations: 3 on the first floor, 2 on the second floor, and 1 on the third floor to get continuous data over a 12-hour duration. The locations are primarily in the high TCE concentration areas based on the data that has been collected to date. The numbers may change based on the length of tubing. We have 1,500 feet of tubing available to conduct continuous testing. We plan to commence this work the evening of March 30, 2023.
- The plan is to gather data for 3 days and then decide to continue sampling and testing remotely.
- In addition to the portable GC testing for TCE, we will also conduct air quality sampling using Summa Canisters. Our plan is to take 5 samples per day in the same areas where continuous sampling and testing is conducted. This way we will be able to compare the data resulting from discrete and continuous on-site sampling with that of the data obtained from laboratory testing.

We will share the data obtained from daily testing with WDNR within a few days of receiving the test results. The data will help us make necessary changes in the operation of the vapor mitigation system and also help determine the next course of action.