

DATE: January 7, 2022

FILE REF: Contamination Detected PCE (02-44-000267)

TO: File

FROM: Carrie Stoltz

SUBJECT: Site history and closure determination



In 1992, chlorinated compound contamination, specifically, tetrachloroethene (PCE), trichloroethylene (TCE) and ethylene dibromide (EDB), was discovered during investigations at the Draeger Oil (BRRTS # 03-44-001066) and Amoco Station (BRRTS # 03-44-001239) sites. Sampling results from three private wells located down gradient from Draeger and Amoco had chlorinated compound detects. The private wells were abandoned, and affected properties connected to municipal water in 1993.

In 1995, a potential responsible party letter was sent to the owner of the Three Lakes Laundry, located at 1243 Superior Street. A site investigation was performed in 2007. Soil sampling results showed no detects. Groundwater results detected a preventive action limit (PAL) exceedance for PCE of 2.5 ppb. In 2008, based on the investigations at all three sites, the Peer Review Group (PRG) determined there was evidence of a release, but the source was unknown.

In 2019, as part of a state lead investigation, MiTech was retained by the Department of Natural Resources (DNR) to attempt to identify the source(s) of PCE, TCE and EDB. MiTech performed a limited Phase I Environmental Site Assessment (ESA) to determine monitoring well placement and potential sources. The consultant reviewed records and files for Three Lakes Laundry, Former Amoco Station (closed BRRTS # 03-44-001239), Former Draeger Oil (closed BRRTS # 03-44-001066), Scott Soder Property (closed BRRTS #'s: 03-44-000737 & 02-44-000266) and the Contamination Detected PCE site (open BRRTS # 02-44-000267).

The highest concentrations of chlorinated compounds (between 12 and 63 ppb) were detected at the Former Draeger Oil site (7052 Huffman Street). A detect of PCE at 35 ppb was reported in a private well located at the Leonhardt residence: down gradient from Draeger Oil. All sites listed above were thoroughly investigated including the Three Lakes Laundry with no obvious contamination source noted. These investigations are discussed in the Site Investigation Report (SIR), submitted to the DNR by MiTech on February 18, 2021.

Based on the information from the Phase I ESA, seven monitoring wells and two piezometers were installed in June 2020. MW-1 (17'), MW-1P (37'), MW-2 (20'), MW-3 (15'), MW-4 (30'), MW-5 (32'), MW-6 (35'), MW-7 (32') and MW-7P(47.7'). Wells 1P and 7P are piezometers. The wells were sampled on June 30, 2020 and November 23, 2020. No ES exceedances for VOCs were noted.

On March 18, 2021, the PRG reviewed the SIR and determined the report and investigation was complete. No source was identified. The PRG determined that no further actions are warranted, and that Contamination Detected PCE site should be administratively closed. Verbal bids for monitoring well abandonment was obtained from several consulting firms. On April 22, 2021, the monitoring wells and piezometers were abandoned; abandonment forms were submitted to the DNR on May 3, 2021.