

Willkom, Mae - DNR

From: Wright, Clifford C. <cwright@GFNET.com>
Sent: Monday, November 4, 2019 4:03 PM
To: 'Howard Caine'
Cc: Willkom, Mae - DNR
Subject: NPI MRDS SVE System Update (34286.009)

Howard- Brett Seidlitz conducts routine O&M on the remediation systems at the National Presto Industries (NPI) site in Eau Claire. On Fri/Nov 1, Brett called to report that the Melby Road Disposal Site (MRDS) soil vapor extraction (SVE) system had started to produce condensate due to the colder than normal weather, so he switched the vacuum blower from normal to low-flow operation using the system's variable frequency drive (VFD) control, following past practice. You were out of the office at the time, so I called and updated you on Mon/Nov 4. During our conversation, you agreed that the system could continue to run at its low flow setting for now. In Dec 2019, Gannett Fleming, Inc. (GF) and NPI staff plan to:

- Field screen the 12 vent wells (VW-1 through VW-12) and SVE exhaust gas with a portable flame ionization detector (FID) for volatile organic compounds (VOCs) and methane.
- Sample the SVE exhaust gas laboratory analysis of trichloroethylene (TCE); 1,1,1-trichloroethane (TCA); tetrachloroethylene (PCE), and 1,1-dichloroethane (1,1-DCA).

If you approve, NPI proposes to:

- Turn the blower(s) off and leave the system shut down for six months after sampling in Dec 2019. In March 2020, the system will operate for about one week with one blower running at low flow for quarterly field screening and sampling.
- Resume six-month seasonal operation of the system with one blower running at normal flow starting in June 2020.
- Field screen its exhaust gas for VOCs and methane quarterly using a portable FID.
- Collect and analyze exhaust gas samples for TCE; TCA; PCE; and 1,1-DCA quarterly. Analysis for the 34 target compound list (TCL) VOCs will resume if FID readings indicate increasing VOC concentrations.
- Continue to use a contingency plan reflective of the current groundwater standards of 5 and 200 micrograms per liter ($\mu\text{g}/\ell$), respectively, for TCE and TCA. These concentrations correspond to vapor-phase threshold values of 1.0 and 60 $\mu\text{g}/\ell$, respectively.

Meanwhile, GF will continue to provide monthly progress reports to the agencies on behalf of NPI. Please see GF's Oct 2019 *MRDS SVE System Third Trial Seasonal Shutdown Assessment Report* for additional details. In addition, feel free to contact me if you have any questions and/or need additional info.

Cliff Wright, PE, PG | Project Engineer/Geologist
Gannett Fleming, Inc. | 8040 Excelsior Drive, Suite 303, Madison, WI 53717-1338
t 608.836.1500 x6722 | c 608.695.3651 | cwright@gfnet.com

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