



**Gannett Fleming**

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July 9, 2020  
File #34283.000

Mr. Howard Caine – SR-6J  
Remedial Project Manager  
Waste Management Division  
USEPA Region V  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

Re: NPI Monthly Progress Reports for June 2020  
USEPA CERCLIS ID WID006196174  
WDNR BRRTS 02-09-000267 and FID 609038320

Dear Howard:

In accordance with the requirements of the Administrative Order for Remedial Action between National Presto Industries, Inc. (NPI) and the United States Environmental Protection Agency (USEPA), effective July 16, 1992, and the Unilateral Order between NPI, the USEPA, and National Defense Corporation, effective October 21, 1993, enclosed are two copies each of Progress Reports Nos. 336 and 285, respectively, prepared for the NPI site in Eau Claire, Wisconsin.

Please call if you have any questions or need additional information about either report.

Sincerely,

GANNETT FLEMING, INC.

Clifford C. Wright, P.E., P.G.  
Project Engineer

CCW/jec/Enc.

ecc: Candace Sykora (WDNR/Baldwin)  
Derrick Paul (NPI)  
Chelsea Payne (Gannett Fleming)

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INTERIM REMEDIAL ACTION  
ON-SITE GROUNDWATER  
PROGRESS REPORT NO. 336  
JUNE 2020  
NATIONAL PRESTO INDUSTRIES, INC. SITE  
EAU CLAIRE, WISCONSIN

This progress report is prepared and submitted in accordance with the reporting requirements contained in the Administrative Order for Remedial Action between National Presto Industries, Inc. (NPI) and the United States Environmental Protection Agency (USEPA), effective July 16, 1992.

During June 2020, a total of approximately 7.6 million gallons of groundwater was pumped from Southwest Corner extraction well EW-6, treated by cascade aeration, and then discharged to the Chippewa River via the city storm sewer. Water was pumped continuously from EW-6 all month at an approximate average flow rate of 176 gallons per minute. Southwest Corner extraction well EW-5 remained shut down.

Extraction well EW-6 and the effluent from cascade aeration are sampled quarterly. A discharge monitoring report (DMR) with analytical results for the first quarter (Q1) of 2020 was submitted to the WDNR and USEPA on April 14, 2020. The next DMR with the second quarter analytical results for 2020 will be submitted in July 2020.

REMEDIAL DESIGN/REMEDIAL ACTION  
MELBY ROAD DISPOSAL SITE SOIL VAPOR EXTRACTION SYSTEM  
PROGRESS REPORT NO. 285  
JUNE 2020  
NATIONAL PRESTO INDUSTRIES, INC. SITE  
EAU CLAIRE, WISCONSIN

This progress report is prepared and submitted in accordance with the reporting requirements summarized in Section XI - Order, Paragraph 58 - Progress Reports of the Unilateral Order between National Presto Industries, Inc. (NPI), National Defense Corporation, and the United States Environmental Protection Agency (USEPA), effective October 21, 1993.

On December 4, 2019, the soil vapor extraction (SVE) system at the Melby Road Disposal Site (MRDS) was shut down for a fourth six-month trial period, as approved by both agencies. However, the system operated for 96.5 hours between March 20 and 24, 2020, with one vacuum blower running in low-flow mode for quarterly sampling. To minimize condensate production during cold weather operation, a variable frequency drive (VFD) unit was used to reduce the extraction flow rate from 570 to <230 actual cubic feet per minute (acfm).

On June 1, 2020, low-flow operation of the SVE system resumed. On June 2<sup>nd</sup> or 3<sup>rd</sup>, the system was off for approximately 5.1 hours while the MRDS remediation equipment building was cleaned. On June 10<sup>th</sup>, the VFD was adjusted for normal-flow operation. Data collected between June 1<sup>st</sup> and 30<sup>th</sup> show that the blower ran at average flow rates of 220 and 570 acfm and manifold vacuums were <1 inch of water column (inch wc) and steady at 6-inch wc under low and normal flow conditions, respectively, when operating. Additional monitoring performed on June 10<sup>th</sup>, just before the flow rate was increased from 220 to 570 acfm, included:

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

As anticipated, there was a measurable increase in overall VOC concentrations from December 2019 through June 2020. However, vapor-phase TCE and TCA concentrations remained more than two orders of magnitude below calculated thresholds corresponding to the federal maximum contaminant level and NR 140 enforcement standard for both VOCs in groundwater, as summarized in Gannett Fleming's October 2019 *MRDS SVE System Third Trial Seasonal Shutdown Assessment Report*. No issues related to the trial seasonal shutdown of the MRDS SVE system were observed. More detail will be provided in a separate letter report that will be submitted to both agencies by August 31, 2020. Copies of the June 2020 laboratory analytical results and field data sheets are available upon request.