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FEDERAL EXPRESS

July 9, 2019

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 2019
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. 324 and 273, 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: Mae Willkom (WDNR/Eau Claire)
Mark Wichman (USACE)
Derrick Paul (NPI)

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INTERIM REMEDIAL ACTION
ON-SITE GROUNDWATER
PROGRESS REPORT NO. 324
JUNE 2019
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 2019, a total of approximately 7.7 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 179 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 of 2019 was submitted to the WDNR and USEPA on April 9, 2019. The next DMR with the second quarter analytical results for 2019 will be submitted in July 2019.

REMEDIAL DESIGN/REMEDIAL ACTION
MELBY ROAD DISPOSAL SITE SOIL VAPOR EXTRACTION SYSTEM
PROGRESS REPORT NO. 273
JUNE 2019
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 14, 2018, the soil vapor extraction (SVE) system at the Melby Road Disposal Site (MRDS) was shut down for a third 6-month trial period, as approved by both agencies. However, the system operated for about one week with one blower running in low-flow mode for quarterly field screening and sampling. To minimize condensate production during periods of cold weather operation, a variable frequency drive (VFD) was installed in the fall of 2015 and used to reduce the extraction flow rate of a single vacuum blower from 570 to ≤ 240 actual cubic feet per minute (acfm).

On June 2, 2019, low-flow operation of the SVE system resumed. On June 9th, the electrical power was off for approximately 2.8 hours due to a local outage, possibly due to a lightning strike. On June 10th, the VFD was adjusted for normal-flow operation. Data collected between June 2nd and 30th show that the blower ran at average flow rates of 240 and 570 acfm and manifold vacuums were < 1 inch of water column (inch wc) and steady at 7-inch wc under low and normal flow conditions, respectively, when operating. Additional monitoring performed on June 10th, just before the flow rate was increased from 240 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 between December 2018 and June 2019. However, vapor-phase TCA and TCE concentrations remained more than two orders of magnitude below calculated threshold levels corresponding to the federal maximum contaminant level and NR 140 enforcement standard for both compounds in groundwater, as summarized in Gannett Fleming's August 2018 *MRDS SVE System Second 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, 2019. Copies of the laboratory analytical results and field data sheets are available upon request.