Gannett Fleming

Excellence Delivered As Promised

August 28, 2019
File #34283.000

Mr. Howard Caine
Remedial Project Manager
Waste Management Division
USEPA Region 5
77 West Jackson Blvd., 6th Floor
Chicago, IL 60604-3590

Ms. Mae Willkom
Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
1300 W. Clairemont Avenue
P.O. Box 4001
Eau Claire, WI 54701

Re: Remedial Action Report
National Presto Industries, Inc., Eau Claire, Wisconsin
USEPA CERCLIS ID WID006196174
WDNR BRRTS 02-09-000267 and FID 609038320

Dear Howard and Mae:

At your request, Gannett Fleming, Inc. (GF) is submitting the enclosed revised remedial action report (RAR) for the National Presto Industries, Inc. (NPI) site in Eau Claire, Wisconsin. The RAR summarizes the institutional control implementation and assurance plan (ICIAP) and long-term stewardship (LTS) plan as the four of us discussed with Derrick at the annual meeting on October 25, 2017, in Eau Claire. It has been revised based on comments provided by the agencies. A completed certification page for this submittal is also attached, as requested.

If you have any questions during your review of the report, please call.

Sincerely,

GANNETT FLEMING, INC.

Cliff Wright, P.E., P.G.
Project Engineer

Dennis Kugle
Sr. Project Manager

CCW/jec/Enc.

ecc: Derrick Paul (NPI)
Mark Wichman (USACOE)
Lane Berg (City of Eau Claire)
LeAnne Addy (Village of Lake Hallie)

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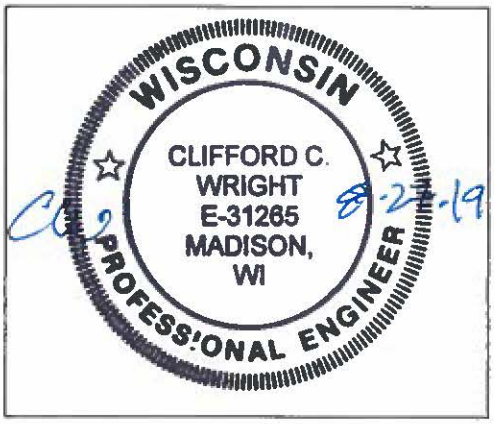
ENGINEERING AND HYDROGEOLOGIST CERTIFICATIONS

I hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print Name Clifford C. Wright	Title Project Engineer
Signature Clifford C. Wright	Date 8-27-19

P.E. Seal for E-31265:



I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print Name Clifford C. Wright	Title Project Geologist
Signature Clifford C. Wright	Date 8-27-19

Gannett Fleming

Excellence Delivered As Promised

Prepared for:

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

REMEDIAL ACTION REPORT
INSTITUTIONAL CONTROL IMPLEMENTATION AND ASSURANCE AND LONG-TERM STEWARDSHIP PLANS
FOR THE NPI SITE
EAU CLAIRE, WISCONSIN

PROJECT #34283.000

AUGUST 2019

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Dennis Kugle

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FIGURES

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LIST OF ACRONYMS AND ABBREVIATIONS

bgs	below ground surface
BRRTS	Bureau of Remediation and Redevelopment Tracking System (Wisconsin)
CAS	cascade aerator system
Cd	cadmium
CLEAN	Contaminated Lands Environmental Action Network
CO	continuing obligations
DCA	1,1-dichloroethane
DCE	1,1-dichloroethylene
DD3	Drainage Ditch #3
ECMWF	Eau Claire Municipal Well Field
EDS	East Disposal Site
EPA	U.S. Environmental Protection Agency
ES	Enforcement Standard (WAC NR 140)
ESD	explanation of significant difference
EW	extraction well
FCOR	final closeout report
ft	feet
FYR	five-year review
GF	Gannett Fleming, Inc.
IC	institutional controls
ICIAP	institutional control implementation and assurance plan
LDA	Loading Dock Area
LTS	long-term stewardship
MCL	Maximum Contaminant Level (federal)
MRDS	Melby Road Disposal Site
MW	monitoring well
µg/ℓ	micrograms per liter
NFRA	No Further Remedial Action
NPI	National Presto Industries, Inc.
NPL	National Priorities List
O&M	operation and maintenance
OU	operating unit
PAL	Preventative Action Limit (WAC NR 140)
PCE	tetrachloroethylene
RAR	Remedial Action Report
RCL	Residual Contaminant Level
ROD	Record of Decision
SVE	soil vapor extraction
SWC	Southwest Corner

TCA	1,1,1-trichloroethane
TCE	trichloroethylene
VOCs	volatile organic compounds
WAC	Wisconsin Administrative Code
WDNR	Wisconsin Department of Natural Resources
WRRD	Wisconsin Remediation and Redevelopment Database

1.0 INTRODUCTION

This remedial action report (RAR) summarizes the institutional control implementation and assurance plan (ICIAP) and long-term stewardship (LTS) plan for the National Presto Industries, Inc. (NPI) site in Eau Claire, Wisconsin. Documentation and approval of each plan's framework is required in preparation for eventual site deletion from the National Priorities List (NPL). Certain institutional controls (ICs) have been put in place to prevent human exposure to residual contaminants in the soil, vapor, and groundwater as approved by the U.S. Environmental Protection Agency (EPA) and Wisconsin Department of Resources (WDNR). Additional ICs, including Wisconsin Continuing Obligations (COs), will play an integral role in the plans, both of which were prepared by Gannett Fleming, Inc. (GF) on behalf of NPI.

A chronological listing of the EPA decision and guidance documents, EPA's most recent five-year review (FYR) report, and other site information used in preparation of this RAR follow.

- *OU 02 Record of Decision (ROD), alternate water supply* (EPA, August 1, 1990).
- *OU 01 ROD, groundwater interim action* (EPA, September 30, 1991).
- *OU 03 ROD, waste removal from source areas, soil vapor extraction and cap at the Melby Road Disposal Site, and long-term groundwater monitoring* (EPA, May 15, 1996).
- *Institutional Control Study* (GF, December 27, 2007).
- *Explanation of Significant Differences, final remedy* (EPA, December 23, 2009).
- *Soil Sampling –South Half of Former Lagoon #1* (GF, February 2, 2012).
- *Institutional Controls: A Guide to Preparing ICIAPs* (EPA, December 2012).
- *Sub-Slab Vapor Sampling Survey* (GF, February 24, 2015).
- *Cadmium Soil & Groundwater Data and Remedial Alternatives Analysis* (GF, June 23, 2015).
- *Multiple Lines of Evidence – Cadmium in Groundwater* (GF, December 19, 2016).
- *Update on the East Disposal Site, Drainage Ditch #3, and Loading Dock Area* (GF, May 25, 2017).
- *Fifth Five-Year Review Report for NPI* (EPA, July 19, 2017).
- *Annual Interim Remedial Action Status Report – 2018* (GF, June 13, 2019).

Portions of the Wisconsin Administrative Code (WAC) referenced in this RAR are available online. In addition:

- The seven documents by GF included above are on file with both agencies.
- This RAR includes discussion of the Eau Claire Municipal Well Field (ECMWF) and its two air stripper towers used for water treatment. In April 2013, EPA issued a Final Closeout

Report (FCOR) for the ECMWF site as summarized in Section 3.1.3 below, and the ECMWF site was deleted from the NPL on May 27, 2014.

2.0 PERTINENT BACKGROUND INFORMATION

The NPI site is located at 3925 North Hastings Way in Eau Claire, Wisconsin. The property lies within the City of Eau Claire, except for a 9-acre parcel on the eastern part of the site that is in the Village of Lake Hallie and a 4-acre parcel in the southern part of the property that is in the Town of Seymour. Most of the 320-acre NPI property is situated in Chippewa County, with a small portion located along the northern border of Eau Claire County.

2.1 Site Conditions

The site is relatively flat and abuts a sandstone ridge to the south. Areas to the north, east, and west are also relatively level, generally sloping gradually toward the Chippewa River, which is located approximately 2 miles north and west of the site. Lake Hallie, an impounded remnant of a former channel of the Chippewa River, lies approximately 1 mile north of the site.

Extending northward from the northwestern portion of the site to Lake Hallie and westerly from the site to the Chippewa River are buried pre-glacial valleys within which alluvial sand and gravel deposits serve as a primary drinking water aquifer in the Eau Claire area. Approximately 2 miles west of the NPI site, for example, the ECMWF draws groundwater from several of these buried deposits and provides drinking water for the City of Eau Claire. The direction of groundwater flow is controlled by the sandstone and granite bedrock valleys beneath the sand and gravel, which carry groundwater to the northwest towards Lake Hallie and to the west towards the Chippewa River and the ECMWF. The depth to bedrock is at or near the surface at the sandstone ridge in the extreme south-central portion of the NPI site and dips to the north and west. The top of bedrock is at least 100 feet below the ground surface (ft bgs) at the north and west property boundaries. The average depth to water under NPI's main building and the Melby Road Disposal Site (MRDS) is about 70 ft bgs.

2.2 Site History

Past waste-handling practices related to the manufacturing activities on the NPI site have included the use of dry wells and seepage lagoons. Manufacturing wastes were also discharged to a former sand and gravel pit. The major waste stream was waste forge compound. NPI discharged wastewater containing significant amounts of waste forge compound to Lagoon #1, a remnant of the former sand and gravel pit. From 1966 to 1969, waste forge compound was also landfilled at the MRDS.

Dissolved-phase volatile organic compounds (VOCs) of concern at the site are limited to trichloroethylene (TCE), 1,1,1-trichloroethane (TCA), tetrachloroethylene (PCE), 1,1-dichloroethane (DCA), and 1,1,-dichloroethylene (DCE). For this report, they will hereafter be referred to as NPI VOCs. Since project inception, 2016 was the first year there were no exceedances of the NR 140 Enforcement Standards (ESs)/Maximum Contaminant Levels (MCLs) for the NPI VOCs in any monitoring well or piezometer either on site or off site.

Cadmium (Cd) concentrations in groundwater continue to be above its 5.0 micrograms per liter (µg/ℓ) ES/MCL in on-site monitoring wells MW-10A and MW-34A, south of the main building. However, overall Cd concentrations continue to show a decreasing trend, and historical data document that the Cd plume has not migrated off site.

2.3 Conceptual Site Model

The conceptual site model is that VOCs observed in the source areas on the NPI property migrated vertically through the unconsolidated soils to the groundwater and then traveled within the aquifer following the buried valleys. These valleys, which trend westerly toward the Chippewa River and ECMWF (Plume 1/2) and northwesterly toward Lake Hallie (former Plumes 3/4 and 5), control the direction of groundwater flow in the unconsolidated deposits in the area. Figure 1 is a 24-inch x 36-inch area-wide map showing the approximate location of Plume 1/2 and the former locations of Plume 3/4 and Plume 5, as defined by select NPI VOCs in 1993. The outlines of former Plume 1/2 and former Plume 3/4 define a groundwater flow divide that bisects the NPI site along a northwesterly line. The average groundwater flow velocity in the alluvial deposits in the area is approximately 12.5 feet/day, with an average gradient of about 0.015 in former Plume 1/2 that stretches from the NPI site to the ECMWF. Figure 2 provides an 11-inch x 17-inch on-site groundwater flow map for convenience.

Supplemental sampling completed in 2015 confirmed that:

- Sub-slab vapor intrusion samples for VOCs beneath NPI's main building were all below WDNR sub-slab vapor risk screening levels for large industrial buildings. Consequently, no further sub-slab vapor sampling at NPI is necessary. See GF's February 2015 report for additional details on the sub-slab vapor sampling results.
- Cd concentrations above the ES/MCL in groundwater are confined to a relatively small area immediately adjacent to former Lagoon #1, which includes MW-10A and MW-34A. Compared to TCE, Cd is relatively immobile. See GF's June 2015, December 2016, and June 2019 reports for additional details on the residual Cd in soil and groundwater. In a letter to NPI dated December 13, 2017, Howard Caine with the EPA concluded both agencies "are satisfied that NPI has submitted enough lines of evidence to support MNA [monitored natural attenuation] as a viable remedy for the cadmium at the NPI site."

2.4 General Status of the Active Remedial Program

Most of the selected interim and final remedies for the site were implemented in the mid- to late-1990s. These included:

- The excavation and off-site disposal of >5,000 BTU/lb waste forge compound from Lagoon #1 and impacted soil from several other waste management areas of concern, including Dry Wells #2 and #5, the swale between former Lagoons #3 and #4, the southwest corner of former

Lagoon #2, and the Loading Dock Area (LDA). TCA was the primary VOC associated with the waste forge compound removed from Lagoon #1.

- The installation of four groundwater extraction wells and two associated cascade aerators for groundwater capture, control, and treatment. These interim systems were designed for continuous operation when needed and to be shut down once the off-site migration of impacted groundwater is no longer of concern.
- The construction of an engineered landfill with a multi-layer cap and soil vapor extraction (SVE) system at the MRDS for the long-term management of residual waste forge compound and impacted soil. Excavated material placed at the MRDS prior to installation of the cap included waste forge compound mixed with soil from Lagoon #1 with <5,000 BTU/lb, soil contaminated with waste forge compound from Drainage Ditch #3 (DD3), and impacted material from the East Extension of Lagoon #1 and East Disposal Site (EDS). The final remedy for the MRDS is the multi-layer cap and SVE system. Over time, it has become apparent that the MRDS SVE no longer needs to operate continuously since the cap has essentially eliminated infiltration of precipitation and vertical migration of contaminants and has proven to provide reliable protection of groundwater quality.

However, two supplemental, relatively small TCE source areas have been identified in the Southwest Corner (SWC) of the site: the MW-34/70 area (i.e., buried degreaser sludge) and an area beneath the main building. SVE systems have been installed and are currently operating at both areas to remove VOCs in the soil and provide a barrier to downward migration of these chemicals to groundwater.

All active remediation systems onsite are effective in protecting human health and the environment. Three of the four groundwater extraction wells (EW-1R, EW-2, and EW-5) and one of the cascade aerators (CAS-1) are no longer in use because of the effectiveness of the remedial actions that have been implemented.

Current and planned future activities at the site include:

- Maintenance and annual inspection of the cap at the MRDS and direct contact cover system at the LDA.
- Operation and maintenance (O&M) of the three SVE systems and extraction well EW-6.
- Sampling of the exhaust gas from the MRDS, MW-34/70 area, and main building SVE systems and select on- and off-site groundwater monitoring wells/piezometers, EW-6, cascade aerator CAS-2R, manhole MH-18, city water supply wells, and unit operations at the ECMWF.

See GF's June 2019 report for additional details on O&M of the SVE systems and EW-6, sampling results from 2018, etc.

2.4.1 No Further Remedial Action Responses from the WDNR

Because Superfund site completion typically occurs when it is determined that no further response is required at the entire site, the EPA does not have a ready mechanism for approving remedial action completion at individual areas within a Superfund site when they have each been adequately remediated. Consequently, NPI has made a practice of submitting requests for "No Further Remedial Action" (NFRA) to the WDNR at the completion of remedial action in each individual area of the site for tracking purposes. The WDNR's West Central Region Closure Committee reviews these requests and, at the time of remedial action completion in a given area, provides NPI with an e-mail stating that if the EPA were to determine that no further remedial action is necessary in that particular area of the site, the WDNR would concur. These e-mails have become de-facto remediation action approvals from the WDNR.

3.0 INSTITUTIONAL CONTROL PROGRAM

An IC is defined by the EPA as a non-engineered instrument, such as administrative and legal controls, that helps to minimize the potential for human exposure to contamination and/or protect the integrity of a response action. ICs are designed to limit land or resource use or provide information that helps modify or guide human behavior at a site. Examples of ICs include local zoning restrictions, building or excavation permits, well drilling restrictions, easements, and restrictive covenants.

3.1 General Institutional Control Information

ICs are divided into four general categories:

1. *Enforcement and Permit Tools* are legal tools, such as administrative orders, permits, Federal Facility Agreements, and Consent Decrees that limit certain activities or require the performance of specific activities (e.g., to monitor and report on an IC's effectiveness).
2. *Government Controls* impose restrictions on land use or resource use, using the authority of a government entity (e.g., statutes, administrative codes, zoning restrictions, ordinances, building codes, and groundwater use regulations).
3. *Information Devices* provide information or notification to local communities that residual or contained contamination remains on site (e.g. state registries of contaminated sites, notices in deeds, tracking systems).
4. *Proprietary Controls*, such as easements and covenants, are legal instruments created in conformance with state and tribal real property law to prohibit activities that may compromise the effectiveness of the response action or restrict activities or future resource use that may result in unacceptable risk to human health and the environment.

3.1.1 Off-site Land Use

All residual soil contamination exists only onsite as summarized in Table 1 and shown on Figure 3. Consequently, a description of land use for impacted off-site properties is not applicable.

3.1.2 Location of Nearby Wells

Plumes 1/2, 3/4, and 5 did extend off site in the past. Consequently, well surveys were conducted, private wells were identified and sampled, and municipal water service was extended to private well owners in the areas that could have been subject to impacts from contaminated groundwater originating from the NPI site as described in Section 3.2.2. However, all residual groundwater contamination now exists only onsite as summarized in Table 2 and shown on Figure 2, so a description of the locations of nearby wells on impacted off-site properties is not applicable.

3.1.3 Municipal Water Supply

The City of Eau Claire currently obtains its drinking water from the ECMWF. The two closest municipal water supply wells (and their grid coordinates as depicted on Figure 1) are city production wells 22 (C7) and 19 (B7) located approximately 2 miles west of NPI. The Village of Lake Hallie currently obtains its drinking water from four municipal water supply wells. All four wells have not been impacted by VOCs and are located more than 3,000 feet north and east of the footprints of former Plumes 3/4 and 5.

In December 2009, the EPA issued an Explanation of Significant Differences (ESD) that revised the groundwater clean-up goal for the ECMWF and NPI sites from the WI Preventive Action Limits (PALs) to general compliance with Chapter NR 140 of the Wisconsin Administrative Code. This effectively changed the groundwater clean-up goal to be consistent with NR 140 WI Enforcement Standards (ESs) and federal Maximum Contaminant Levels (MCLs). This change led to a meeting with the City of Eau Claire and ultimately to a short-term sampling program at several of the city wells, two air stripper towers constructed as part of the ECMWF remedy, and within the water treatment plant. The sampling was done on four days in late November and early December 2011. The data from the sampling program documented that, while TCE was detectable in three of the four samples of the finished water entering the city distribution system, the concentrations were an order of magnitude below the 5.0 µg/ℓ ES/MCL.

Based on historical monitoring data and that from the 2011 city well system sampling program, the EPA issued an August 1, 2012, letter to the City of Eau Claire confirming that operation of the air strippers to remove VOCs prior to distribution to its customers would no longer be required. The City has subsequently chosen to continue operation of the strippers at its own cost. If the City ever decides to turn the strippers off, the EPA letter requires that they be kept in operating condition until the EPA either determines, based on future NPI site groundwater monitoring data, that the strippers can be permanently dismantled, or deletes the NPI site from the NPL. On April 5, 2013, the EPA issued a FCOR for the ECMWF site, and the site was deleted from the NPL on May 27, 2014.

3.2 Existing Controls and Restrictions

General IC categories are summarized in Section 3.1. The following site-specific controls and restrictions are in place at NPI.

3.2.1 Local Zoning

Zoning is a Government Control that imposes restrictions on land use. Figure 3 is a plan view of the site that includes parcel boundaries, NPI's main building, and the historical monitoring well network for reference. As shown on Figure 3, Chippewa County Parcel ID #22809-3440-00020000 (a/k/a City of Eau Claire parcel #16-0429), which is zoned industrial, contains three areas with residual soil contamination at or above a generic NR 720 residual contaminant level (RCL) for the

residential (i.e., non-industrial) direct contact pathway based on the most recent sample results. Appendix A includes an official zoning map from the City of Eau Claire.

3.2.2 County and Municipal Ordinances

The following county and municipal ordinances are considered Governmental Controls that impose restrictions on land use.

Chippewa County – Chippewa County requires a permit for the construction of any new private water supply well.

City of Eau Claire –The City of Eau Claire has annexed properties that are within and near the identified boundaries of the NPI plume(s) in Chippewa County and has provided the properties in those areas with municipal water. The City also has an ordinance that bans cross connections between private water supply wells and the municipal supply and restricts the construction of new private water supply wells. In addition, the city/county health department requires a permit for the construction of any new private well.

Village of Lake Hallie – The Village of Lake Hallie, which lies to the north and east of the NPI parcel within Chippewa County, has an ordinance restricting the installation and use of private wells and cross connections between city water lines and private wells. It allows existing private wells for non-potable purposes but requires licensing of such wells.

Appendix B provides copies of pertinent sections from each of the three ordinances summarized above. Complete versions of all three ordinances are available online.

3.2.3 Proprietary Restrictive Covenant

The RODs for OU 01 and OU 02 do not explicitly call for administrative controls or ICs. However, the OU 03 ROD states that EPA will pursue a deed restriction on the MRDS cap area to prevent activities damaging to the cap. To meet this requirement, an Environmental Protection Access Agreement and Declaration of Restrictive Covenants document was approved by the agencies on September 29, 2011, and recorded at the Chippewa County Register of Deeds on October 25, 2011, as summarized on Page 12 of the EPA's July 2017 FYR report. Appendix C includes a copy of the recorded document.

3.2.4 Wisconsin Administrative Code Regulations and Continuing Obligations

State regulations may be considered a Government Control that imposes restrictions on land use. The State of Wisconsin through the WAC specifies the regulations applicable to waters of the state and to land use. The WDNR regulates the design and operation of municipal water systems through WAC Chapters NR 810 and NR 811. Section NR 810.16 prevents unused, unsafe, and noncomplying wells from acting as vertical conduits for aquifer contamination or as sources of

unsafe water that could enter the public water system through cross connections. Section NR 811.06 prohibits unprotected cross-connections, and NR 811.07 prohibits interconnections between public water supply systems and other sources of water unless permitted by the WDNR. The WAC applies throughout the state and therefore applies to the entire area including NPI.

For the areas where the residual contamination that remains following a cleanup is above state standards, the State of Wisconsin, under the statutory authority of 292.12, may place a continuing obligation (requiring compliance with a state rule and other conditions) on the property to ensure protection of human health and the environment. Affected property owners must comply with applicable property-specific requirements set forth in the regulations. Those conditions will apply to all current and future property owners, each of whom will be legally responsible for complying with them as long as the regulations are in effect. In accordance with Wisconsin Statute 292.12(2)(c), the approved continuing obligations are listed in an on-line, inter-linked information system maintained by the WDNR Bureau of Remediation and Redevelopment.

The Wisconsin Remediation and Redevelopment Database (WRRD) (formerly called the Contaminated Lands Environmental Action Network, or CLEAN) provides information on contaminated land activities in Wisconsin to assist with the investigation, cleanup, and eventual re-use of those lands. There are two main ways to view information about contaminated land activities.

1. *Bureau of Remediation and Redevelopment Tracking System (BRRTS) on the Web* - on-line database.
2. *RR Sites Map* - web-based mapping system.

Appendix D includes the information from both resources on NPI as of August 2019. The following section describes the remaining actions necessary at NPI to fully implement its IC program.

4.0 ADDITIONAL/MODIFIED IC IMPLEMENTATION

Sections 4.1 through 4.3 below describe additional/modified ICs to be implemented. Their full implementation will be completed once approval of the RAR is granted by the EPA and WDNR.

4.1 Residual Soil Contamination

Table 1 summarizes analytical results for the nine on-site sample locations (one in former DD3, seven in the LDA, and one in the south half of Lagoon 1) with soil concentrations at or above June 2019 NR 720 non-industrial direct contact RCLs. Excavation base sample EB-3, collected at 3.5-4 ft bgs in the LDA, is the one location with soil concentrations at or above the NR 720 industrial direct contact RCLs for benzo(a)pyrene and dibenzo(a,h)anthracene. Figure 3 shows all three sample area locations. Figures 4 through 6 present area-specific maps showing the sample locations and estimated extent of residual soil contamination at or above a generic NR 720 RCL for non-industrial direct contact based on the most recent sample results for the former DD3, LDA, and south half of Lagoon 1, respectively. See GF's February 2012 and May 2017 reports for additional details (e.g., cumulative cancer risk [CCR] and hazard index [HI] levels for multiple contaminants).

4.1.1 Maintenance of Industrial Zoning

NPI, the City of Eau Claire, and Chippewa County plan to maintain industrial zoning for Parcel #16-0429 (a/k/a Chippewa County Parcel #22809-3440-0002000). If plans change, then a fee-based request would be made to the WDNR for a determination on any proposal to subdivide unaffected areas of the parcel for future non-industrial redevelopment.

4.1.2 Maintenance Plan for a Cover System at the LDA

Appendix E presents a maintenance plan for a cover system at the LDA to prevent direct contact with soils near where excavation base soil sample EB-3 was collected at 3.5-4 ft bgs, as described above in Section 4.1.

4.1.3 Residual Soil Contamination Data

Appendix F notes that a CD with pdf files summarizing historical soil data is available upon request. As agreed, the CD includes:

- The most recent residual soil contamination data for the NPI site, grouped by area, excluding the MRDS, which is subject to a restrictive covenant, as described in Section 3.2.3 above.
- Tables and figures from previous submittals, rather than re-tabulated soil data with updated NR 720 RCLs, etc.

4.2 Residual Groundwater Contamination

Table 2 summarizes cadmium (Cd) groundwater concentrations in wells routinely sampled in the SWC of the site, including MW-10A and MW-34A, the two wells with Cd remaining at or above its ES/MCL of 5.0 µg/ℓ in 2018. Dissolved Cd in groundwater was shown to be associated with waste forge compound in Lagoon #1 soils. However, EPA has approved MNA as a remedy for Cd in groundwater at the site as described in Section 2.3. WDNR issued an email on January 18, 2019, stating that if the EPA were to determine that no further remedial action is necessary in the Lagoon #1 and its East Extension, then the WDNR would concur.

4.3 Abandonment Plan for Lost Monitoring Wells

Several off-site monitoring wells could not be properly filled and sealed because they were missing due to being paved over, covered, or removed. Despite reasonable efforts to locate the wells, they could not be located. Senior field staff with site-specific experience (over 20 years) and knowledge searched for the lost wells several times and used a metal detector to identify buried flush-mount well covers, etc. but did not find any of the lost wells.

If any of the monitoring wells are found, the then-current owner of the property on which the well is located is required to notify the WDNR, to properly fill and seal the wells, and to submit the required documentation to the WDNR. To address this CO, notification letters were mailed to off-site property owners with lost wells, as summarized in Table 3. Appendix G includes a copy of each letter sent and proof of receipt for each letter, as requested.

5.0 LONG-TERM STEWARDSHIP PLAN

Table 4 provides an LTS plan summary for the NPI site based on this RAR and Table 1 in EPA's July 2017 FYR report. Monitoring of the ICs and COs as described in Sections 3 and 4 above and summarized in Table 4 is an ongoing process to maintain the non-engineered controls. In each future annual report submitted to the agencies, NPI plans to demonstrate that the site was inspected to ensure no inconsistent uses have occurred, certify that ICs remain in place and are effective, and document that any necessary contingency actions have been executed, as requested on Page 13 of EPA's July 2017 FYR report. In addition, the NPI site and its ICs will undergo reviews by the EPA on a five-year cycle to ensure that the controls remain in place and are effective in minimizing the potential for human exposure.

Table 5 provides August 2019 contact information. NPI elected to provide contact information in table format to facilitate future updates if requested.

No.	REVISIONS	DATE	BY
0	PRELIMINARY DRAFT.	10/10/18	CJP
1	FIRST DRAFT.	01/16/18	CJP

AREA SITE PLAN WITH WELL AND 1993 PLUME LOCATIONS

NATIONAL PRESTO INDUSTRIES, INC. AND
EAU CLAIRE MUNICIPAL WELL FIELD
EAU CLAIRE, WISCONSIN

Gannett Fleming
HARRISBURG, PENNSYLVANIA — MADISON, WISCONSIN

PROJECT

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TITLE

WATERTABLE GROUNDWATER CONTOUR MAP (JUNE 2018) WITH 1993 PLUME LOCATIONS

Gannett Fleming
HARRISBURG, PENNSYLVANIA — MADISON, WISCONSIN

DRAWN BY: CJP	SCALE: 1" = 700'
DESIGNED BY: CJP	PROJECT No.: 34283.000
APPROVED BY: CCW	DRAWING NO.: FIGURE 1
DATE: AUGUST 2019	

0 350' 700' 1400'

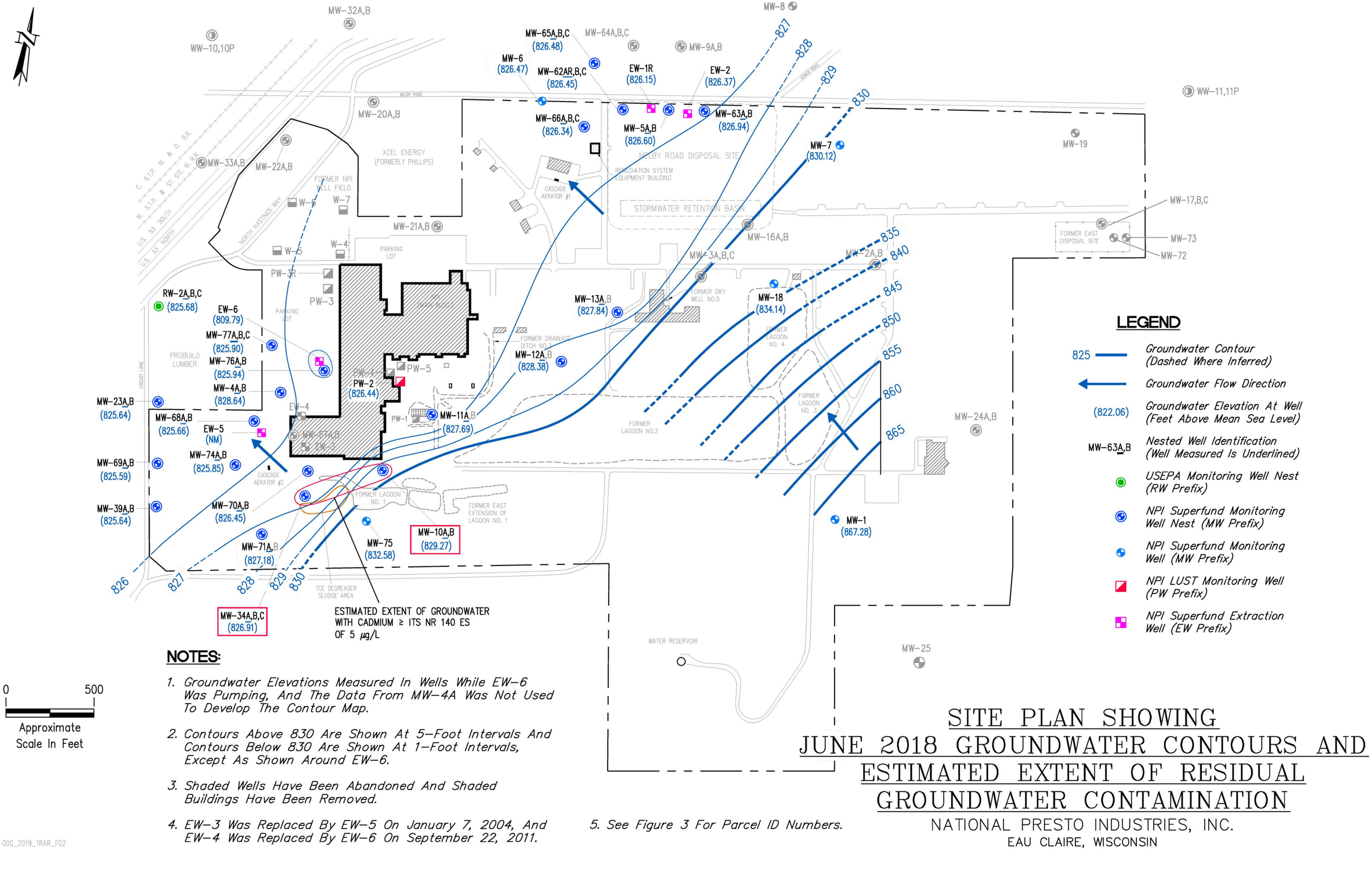
LEGEND

- Groundwater Contour (Dashed Where Inferred)
- Flow Direction
- Groundwater Elevation At Well (Feet Above Mean Sea Level)
- Nested Well Identification (Blue Underlined Well Source Of GWE Measurement)
- 1993 TCE Plume (Approximate)
- Eau Claire Production Well (Active Wells)
- Eau Claire Monitoring Well (Monitored by City, EC Prefix)
- WDNR Monitoring Well Nest (WW Prefix)
- WDNR Monitoring Well (WW Prefix)
- USEPA Monitoring Well (RW Prefix)
- USEPA Monitoring Well Nest (RW Prefix)
- NPI Superfund Monitoring Well Nest (MW Prefix)
- NPI Superfund Monitoring Well (MW Prefix)
- NPI LUST Monitoring Well (PW Prefix)
- NPI Superfund Extraction Well (EW Prefix)

NOTES

1. Groundwater Elevations Measured In Wells While EW-6 Was Pumping, And The Data From MW-4A and RW-15 Were Not Used To Develop The Contour Map.
2. Contours Above 830 Are Shown At 5-Foot Intervals And Contours Below 830 Are Shown At 1-Foot Intervals, Except As Shown Around EW-6.
3. Shaded Wells Have Been Abandoned As Of Date Shown.

CHIPPEWA RIVER
LAKE HALLIE
CHIPPEWA VALLEY REGIONAL AIRPORT
EAU CLAIRE MUNICIPAL WELL FIELD (NORTH)
AIR STRIPPER BUILDING
WATER PLANT
MELBY ROAD DISPOSAL SITE
EAST DISPOSAL SITE
FORMER LAGOON NO.1
FORMER LAGOON NO.2
FORMER LAGOON NO.3
FORMER LAGOON NO.4
NPI (MAIN BLDG.)
SOUTHWEST CORNER
MW-34/70 DEGREASER SLUDGE AREA
1-2
3
4
5

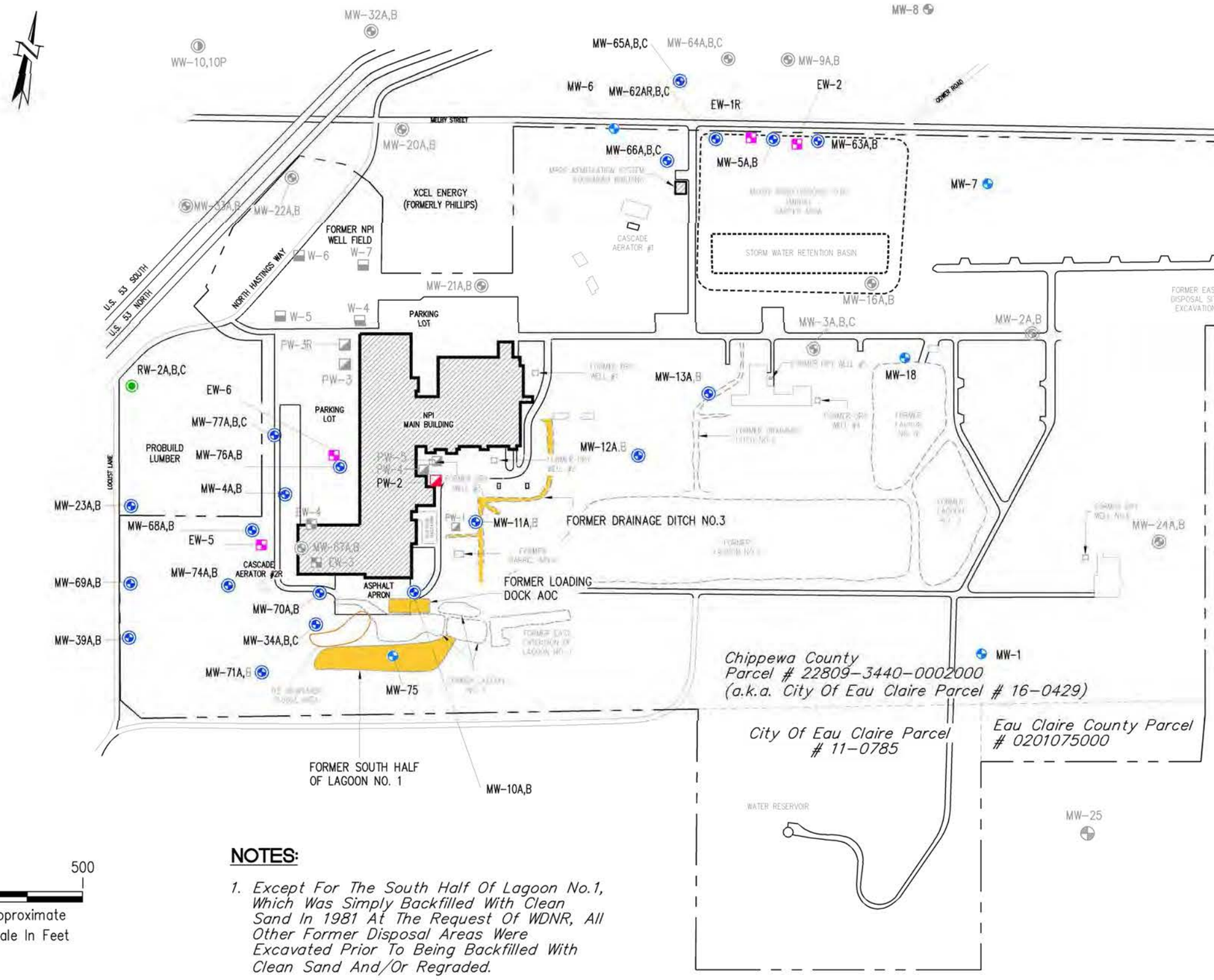


NOTES:

1. *Groundwater Elevations Measured In Wells While EW-6 Was Pumping, And The Data From MW-4A Was Not Used To Develop The Contour Map.*
2. *Contours Above 830 Are Shown At 5-Foot Intervals And Contours Below 830 Are Shown At 1-Foot Intervals, Except As Shown Around EW-6.*
3. *Shaded Wells Have Been Abandoned And Shaded Buildings Have Been Removed.*
4. *EW-3 Was Replaced By EW-5 On January 7, 2004, And EW-4 Was Replaced By EW-6 On September 22, 2011.*
5. *See Figure 3 For Parcel ID Numbers.*

SITE PLAN SHOWING JUNE 2018 GROUNDWATER CONTOURS AND ESTIMATED EXTENT OF RESIDUAL GROUNDWATER CONTAMINATION

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN



LEGEND

- MW-63A,B — *Nested Well Identification*
- *USEPA Monitoring Well Nest (RW Prefix)*
- *NPI Superfund Monitoring Well Nest (MW Prefix)*
- *NPI Superfund Monitoring Well (MW Prefix)*
- *NPI LUST Monitoring Well (PW Prefix)*
- *NPI Superfund Extraction Well (EW Prefix)*
- *Footprint Of Former On-Site Building*
- *NPI Property Line*
- *NPI Parcel Line*

0 — 500

Approximate
Scale In Feet

NOTES:

1. *Except For The South Half Of Lagoon No.1, Which Was Simply Backfilled With Clean Sand In 1981 At The Request Of WDNR, All Other Former Disposal Areas Were Excavated Prior To Being Backfilled With Clean Sand And/Or Regraded.*
2. *Shaded Wells Have Been Abandoned And Shaded Buildings Have Been Demolished And Removed.*

SITE PLAN SHOWING THE THREE AREAS WITH DIRECT CONTACT RESIDUAL SOIL CONTAMINATION

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

040319
ccw_R34283-000_2019_1RAR_F03

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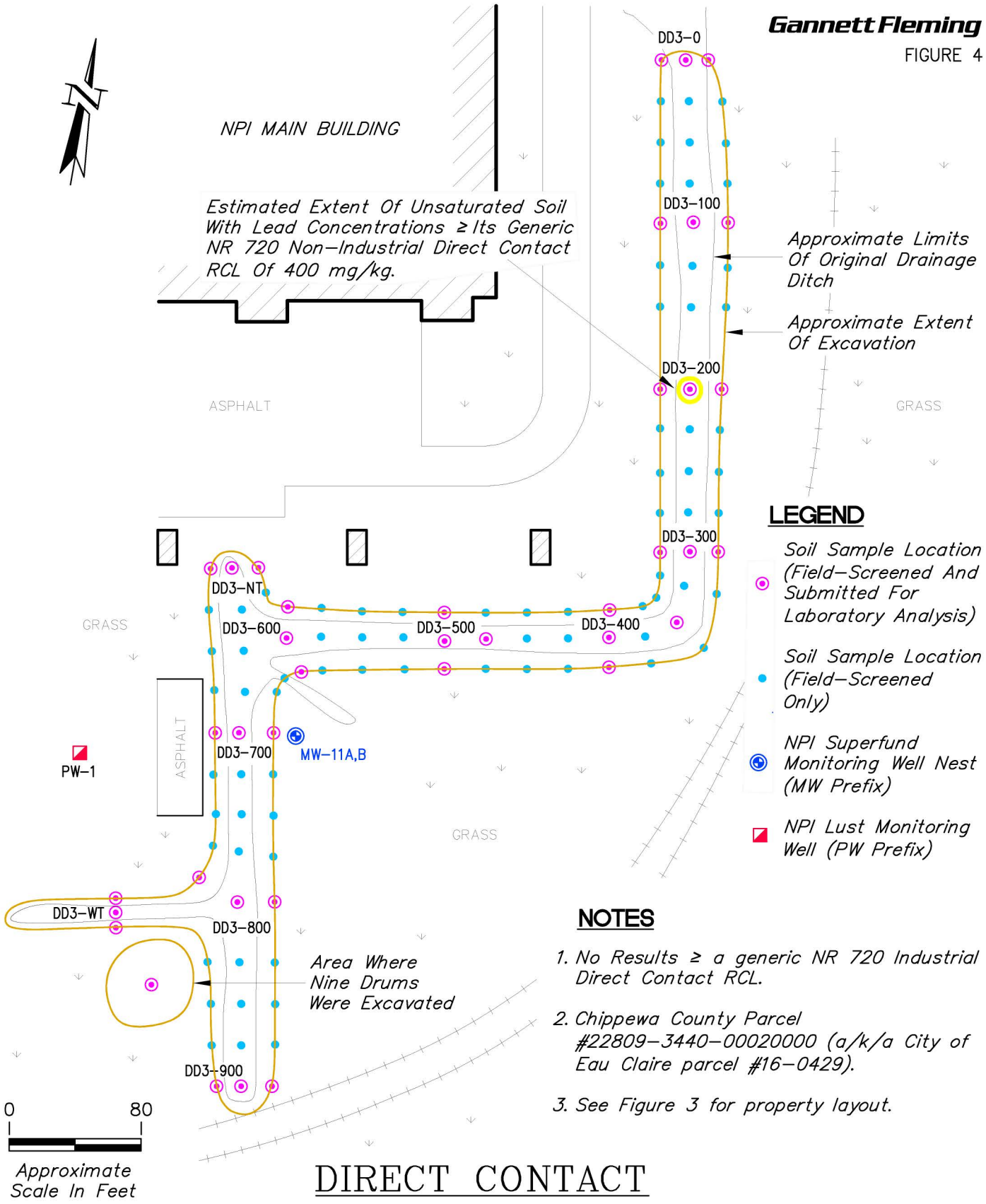
FIGURE 4



LEGEND

- Soil Sample Location (Field-Screened And Submitted For Laboratory Analysis)
- Soil Sample Location (Field-Screened Only)
- NPI Superfund Monitoring Well Nest (MW Prefix)
- NPI Lust Monitoring Well (PW Prefix)

NOTES

1. No Results ≥ a generic NR 720 Industrial Direct Contact RCL.
2. Chippewa County Parcel #22809-3440-00020000 (a/k/a City of Eau Claire parcel #16-0429).
3. See Figure 3 for property layout.

DIRECT CONTACT RESIDUAL SOIL CONTAMINATION DRAINAGE DITCH NO. 3

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

080819
ccw_R34283-000_2019_1RAR_F04

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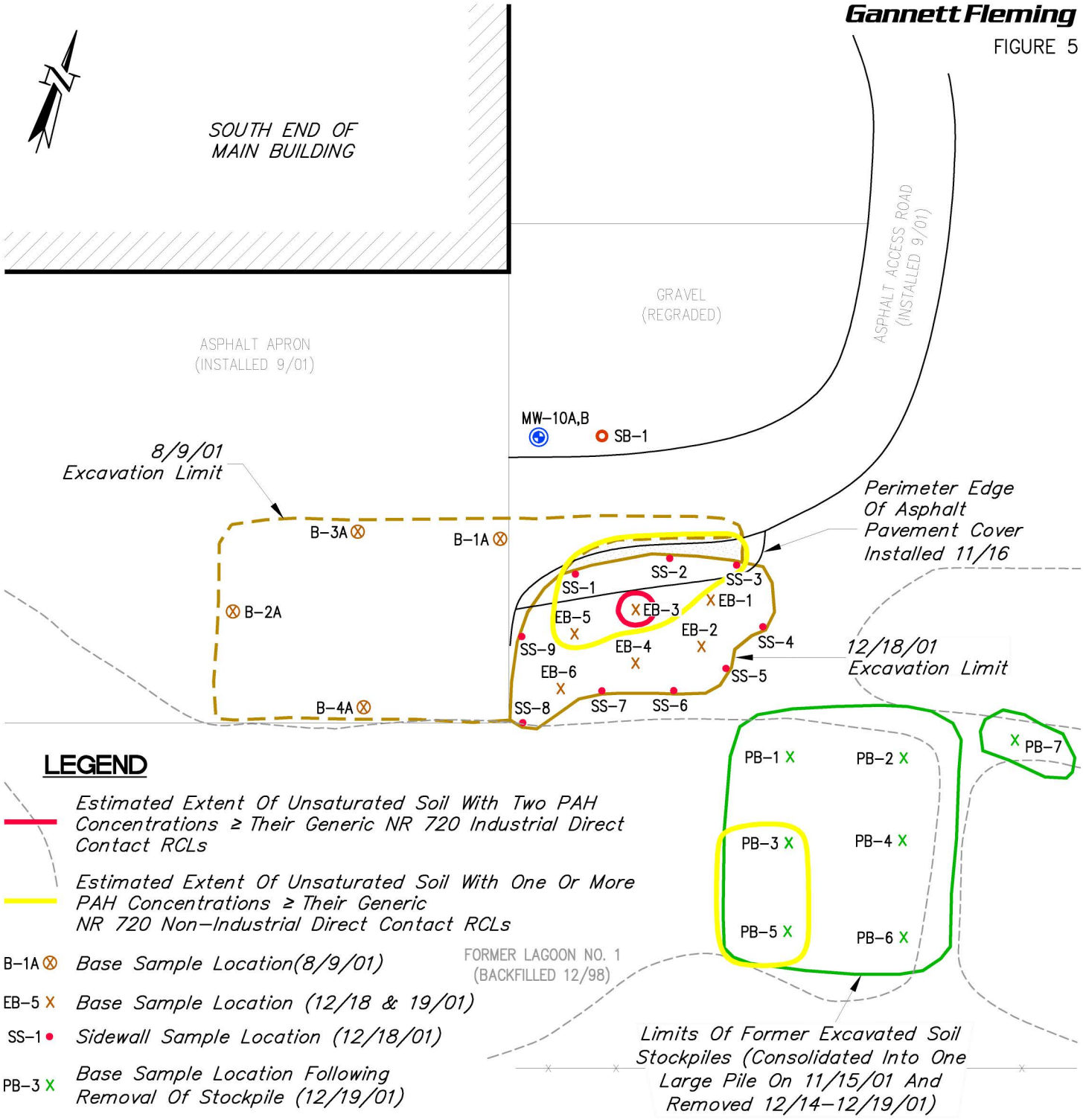
FIGURE 5



LEGEND

- *Estimated Extent Of Unsaturated Soil With Two PAH Concentrations ≥ Their Generic NR 720 Industrial Direct Contact RCLs*
- *Estimated Extent Of Unsaturated Soil With One Or More PAH Concentrations ≥ Their Generic NR 720 Non-Industrial Direct Contact RCLs*
- B-1A ⊗ *Base Sample Location(8/9/01)*
- EB-5 X *Base Sample Location (12/18 & 19/01)*
- SS-1 • *Sidewall Sample Location (12/18/01)*
- PB-3 X *Base Sample Location Following Removal Of Stockpile (12/19/01)*
- SB-1 ○ *Geoprobe Soil Boring (6/10/09)*
- *Estimated Extent Of Residual Material Left In Place*
- *NPI Superfund Monitoring Well Nest (MW Prefix)*

0 50

Approximate Scale In Feet

NOTES:

1. *Chippewa County Parcel #22809-3440-00020000 (a/k/a City of Eau Claire parcel #16-0429).*
2. *See Figure 3 for property layout.*

DIRECT CONTACT RESIDUAL SOIL CONTAMINATION LOADING DOCK AREA

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

080819
ccw_R34283-000_2019_1RAR_F05

N

LEGEND

- Boring Location (1988)
- Geoprobe Boring Location (11/2002)
- Power Auger Boring Location (7/2011)
- NPI Monitoring Well

NOTES

1. No Results ≥ A Generic NR 720 Industrial Direct Contact RCL.

2. Chippewa County Parcel #22809-3440-00020000 (a.k.a City of Eau Claire Parcel #16-0429).

3. See Figure 3 For Property Layout.

0 40 80 160 240 320

APPROXIMATE SCALE IN FEET

DIRECT CONTACT
RESIDUAL SOIL CONTAMINATION
SOUTH HALF OF LAGOON NO. 1

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

Gannett Fleming
Gannett Fleming, Inc.
8040 Excelsior Drive, Ste. 303
Madison WI 83717-1900
(608) 836-1500
www.gannettfleming.com

Project	34383.000	Date	08/09/19	FIGURE	6

L:\DRAFTING\34200\34283\34283.000\ccw_R34283-000_2019_1RAR\ccw_R34283-000_2019_1RAR_F06.mxd

Gannett Fleming

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 1

DIRECT CONTACT RESIDUAL SOIL CONTAMINATION SUMMARY

Area On Site						NR 720 RCL (mg/kg)		
Sample			Laboratory Detail and Analytical Results			Soil to Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact
ID	Date	Depth (ft bgs)	Group	Compound	Concentration (mg/kg)			
Former Drainage Ditch #3 (DD3)								
DD3-200B	6/17/98	<4[1]	Metal	Lead (Pb)	535	27	400	**800**
Loading Dock Area (LDA)								
EB-3	12/18/01	3.5-4	PAH	Benzo(a)Anthracene	15.8	NS	1.14	**20.8**
"	"	"	"	Benzo(a)Pyrene	**13.5**	0.47	0.115	**2.11**
"	"	"	"	Benzo(b)Fluoranthene	17.6	0.4781	1.15	**21.1**
"	"	"	"	Benzo(k)Fluoranthene	11.5	NS	11.5	**211**
"	"	"	"	Dibenzo(a,h)Anthracene	**2.86**	NS	0.115	**2.11**
"	"	"	"	Indeno(1,2,3-cd)Pyrene	6.50	NS	1.15	**21.1**
EB-5	12/18/01	3.5-4	PAH	Benzo(a)Anthracene	3.82	NS	1.14	**20.8**
"	"	"	"	Benzo(a)Pyrene	2.10	0.47	0.115	**2.11**
"	"	"	"	Benzo(b)Fluoranthene	2.84	0.4781	1.15	**21.1**
"	"	"	"	Dibenzo(a,h)Anthracene	0.508	NS	0.115	**2.11**
"	"	"	"	Indeno(1,2,3-cd)Pyrene	1.16	NS	1.15	**21.1**
PB-3	12/19/01	0-0.5	PAH	Benzo(a)Pyrene	0.126	0.47	0.115	**2.11**
PB-5	12/19/01	0-0.5	PAH	Benzo(a)Pyrene	0.286	0.47	0.115	**2.11**
"	"	"	"	Dibenzo(a,h)Anthracene	0.151	NS	0.115	**2.11**
SS-1	12/18/01	1-3	PAH	Benzo(a)Anthracene	4.26	NS	1.14	**20.8**
"	"	"	"	Benzo(a)Pyrene	1.27	0.47	0.115	**2.11**
"	"	"	"	Benzo(b)Fluoranthene	5.47	0.4781	1.15	**21.1**
"	"	"	"	Indeno(1,2,3-cd)Pyrene	1.66	NS	1.15	**21.1**
"	"	"	"	1-Methyl Naphthalene	17.7	NS	17.6	**72.7**
"	"	"	"	Naphthalene[2]	14.1	0.6582	5.52	**24.1**
"	"	"	VOC	1,1-Dichloroethane	15.5	0.4834	5.06	**22.2**
"	"	"	"	Naphthalene [3]	14.3	0.6582	5.52	**24.1**
SS-2	12/18/01	1-3	PAH	Benzo(a)Anthracene	1.35	NS	1.14	**20.8**
"	"	"	VOC	Naphthalene	8.63	0.6582	5.52	**24.1**
SS-3	12/18/01	1-3	PAH	Benzo(a)Anthracene	4.54	NS	1.14	**20.8**
"	"	"	"	Benzo(b)Fluoranthene	2.19	0.4781	1.15	**21.1**
"	"	"	"	Indeno(1,2,3-cd)Pyrene	1.87	NS	1.15	**21.1**
South Half of Former Lagoon #1								
SB-F	7/12/11	0-4	PAH	Benzo(a)Pyrene	0.197 J	0.47	0.115	**2.11**

NOTES:
Concentrations and NR 720 RCLs are in milligrams per kilogram (mg/kg) on a dry-weight basis.
Results at or above an applicable NR 720 industrial direct contact RCL are in red font and bold.
Results at or above an applicable NR 720 residential direct contact RCL are in red font.
NR 720 residual contaminant level (RCL) concentrations from WDNR's RR Program Soil RCL Excel file updated December 2018.
Sample depths are in feet below ground surface (ft bgs) at the time of collection.
J = Estimated concentration, below laboratory quantitation level.
NS = No standard.

FOOTNOTES:
(1) Sample depth conservatively assumed to be within 4 ft bgs at time of collection. Although a number of DD3 base samples were >4 ft bgs, their depths were not measured or recorded. In addition, Pb concentrations in two offsetting base samples were <400 mg/kg.
(2) See VOC group results for naphthalene concentration measured using EPA Method 8021 for VOCs.
(3) See PAH group results for naphthalene concentration measured using EPA Method 8310 for PAHs.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 2

RESIDUAL GROUNDWATER CONTAMINATION SUMMARY[(1)]

Date	FN	EW-6	MW-4A	MW-4B	MW-10A	MW-10B	MW-34A	MW-34B	MW-34C	MW-68A	MW-68B	MW-70A	MW-70B	MW-75
10/21/87		NI	NS	NS	**8**	*4*	NI	NI	NI	NI	NI	NI	NI	NI
1/15/88		NI	5.0 U	NS	**31**	5.0 U	NI	NI	NI	NI	NI	NI	NI	NI
10/4/88		NI	5.0 U	NS	**17.5**	5.0 U	NI	NI	NI	NI	NI	NI	NI	NI
4/18/91		NI	3.0 U	3.0 U	**29.4**	3.0 U	3.0 U	3.0 U	NS	NI	NI	NI	NI	NI
12/9/91		NI	NS	NS	**33.4**	3.0 U	3.0 U	3.0 U	NS	NI	NI	NI	NI	NI
3/4/93		NI	0.5 U	*2.0*	**36.2**	NS	*0.96 B*	*0.76*	NS	0.5 U	*2.8*	0.5 U	*0.99 B*	NI
10/22/97		NI	NS	NS	**26.1**	*3.2*	*2*	*0.789*	NS	NS	NS	NS	NS	NI
1/27/98		NI	NS	NS	**22.6**	*4.13*	*2.28*	*0.705*	NS	NS	NS	NS	NS	NI
4/21/98		NI	NS	NS	**40.7**	**6.26**	*4.01*	*1.13*	NS	NS	NS	NS	NS	NI
7/29/98		NI	NS	NS	**46.2**	*3.99*	*2.05*	*0.84*	NS	NS	NS	NS	NS	NI
11/2/98		NI	NS	NS	**34.1**	**5.87**	*3.76*	*1.25*	NS	NS	NS	NS	NS	NI
1/18/99		NI	NS	NS	*0.63*	*3.34*	*1.14*	**25.1**	NS	NS	NS	NS	NS	NI
4/12/99		NI	NS	NS	**24.6**	*1.65*	*2.52*	*0.9*	NS	NS	NS	NS	NS	NI
7/26/99		NI	NS	NS	NS	*2.54*	*2.14*	*0.82*	NS	NS	NS	NS	NS	NI
10/6/99		NI	NS	NS	**28.5**	*3.29*	NS	NS	NS	NS	NS	NS	NS	NI
6/7/00		NI	NS	NS	**21.7**	*4.78*	NS	NS	NS	NS	NS	NS	NS	NI
10/11/00		NI	NS	NS	**27.5**	0.38	NS	NS	NS	NS	NS	NS	NS	NI
5/8/01		NI	NS	NS	**32.1**	*0.94*	NS	NS	NS	NS	NS	NS	NS	NI
10/16/01		NI	NS	NS	**30.1**	0.49	NS	NS	NS	NS	NS	NS	NS	NI
4/22/02		NI	NS	NS	**30.4**	0.451	NS	NS	NS	NS	NS	NS	NS	NI
10/23/02		NI	NS	NS	**27.2**	*0.509*	NS	NS	NS	NS	NS	NS	NS	NI
4/9/03		NI	NS	NS	**25.7**	*0.501*	*2.67*	*1.2*	NS	NS	NS	NS	NS	NI
7/22/03		NI	NS	NS	**30.2**	NS	NS	*1.24*	NS	NS	NS	NS	NS	NI
10/7/03		NI	NS	NS	**27.1**	*1.07*	*4.66*	*1.22*	NS	NS	NS	NS	NS	NS
2/25/04		NI	NS	NS	**26.2**	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/1/04		NI	NS	NS	**28.7**	*1.72*	**5.80**	*1.28*	NS	NS	NS	NS	NS	NS
7/4/04		NI	NS	NS	**26.8**	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/4/04		NI	NS	NS	**27.8**	*1.80*	*4.60*	*1.20*	NS	NS	NS	NS	NS	NS
1/5/05		NI	NS	NS	**30.6**	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/5/05		NI	NS	NS	**28.4**	*1.70*	NS	*1.00*	NS	NS	NS	NS	NS	NS
7/5/05		NI	NS	NS	**27.7**	NS	*4.7*	NS	NS	NS	NS	NS	NS	NS
10/5/05		NI	NS	NS	**28.0**	*2.00*	*6.1*	*1.10*	NS	NS	NS	NS	NS	NS
1/6/06		NI	NS	NS	NS	NS	**8.20**	NS	NS	NS	NS	NS	NS	NS

TABLE 2

RESIDUAL GROUNDWATER CONTAMINATION SUMMARY[1]

Date	FN	EW-6	MW-4A	MW-4B	MW-10A	MW-10B	MW-34A	MW-34B	MW-34C	MW-68A	MW-68B	MW-70A	MW-70B	MW-75
4/6/06		NI	NS	NS	**30.4**	*1.50*	**8.20**	*1.10*	NS	NS	NS	NS	NS	NS
7/6/06		NI	NS	NS	**29.9**	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/6/06		NI	NS	NS	**27.7**	*2.16*	NS	*1.08 J*	NS	NS	NS	NS	NS	NS
3/7/07		NI	NS	NS	**27.8**	NS	NS	*2.08*	NS	NS	NS	NS	NS	NS
6/7/07		NI	NS	NS	**30.4**	*2.74*	NS	*1.66 J*	NS	NS	NS	NS	NS	NS
9/7/07		NI	NS	NS	**31.3**	NS	**11.9**	NS	NS	NS	NS	NS	NS	NS
11/7/07		NI	NS	NS	**25.7**	*0.66 J*	**11.9**	*1.26 J*	NS	NS	NS	NS	NS	NS
4/8/08		NI	NS	NS	**5.15**	NS	**14.8**	NS	NS	NS	NS	NS	NS	NS
6/8/08		NI	NS	NS	**28.7**	*1.37 J*	**13.2**	*1.32 J*	NS	NS	NS	NS	NS	NS
9/8/08		NI	NS	NS	**26.4**	NS	**10.9**	*1.34 J*	NS	NS	NS	NS	NS	NS
12/8/08		NI	NS	NS	**28.0**	*1.00 J*	**11.6**	*1.28 J*	NS	NS	NS	NS	NS	NS
3/9/09		NI	NS	NS	**27.0**	NS	**11.6**	*1.60 J*	NS	NS	NS	NS	NS	NS
7/9/09		NI	NS	NS	**30.6**	*4.53*	**10.5**	*1.57 J*	NS	NS	NS	NS	NS	NS
9/9/09		NI	NS	NS	**26.8**	NS	NS	*1.87 J*	NS	NS	NS	NS	NS	NS
12/9/09		NI	NS	NS	**26.9**	**15.8**	NS	*1.18 J*	NS	NS	NS	NS	NS	NS
3/15/10		NI	NS	NS	**28.6**	*4.81*	NS	NS	NS	NS	NS	NS	NS	NS
6/10/10		NI	NS	NS	**29.8**	**18.3**	NS	*1.62 J*	NS	NS	NS	NS	NS	NS
10/10/10		NI	NS	NS	**27.5**	*4.97*	**17.2**	NS	NS	NS	NS	NS	NS	NS
12/21/10		NI	NS	NS	**24.1**	*3.34*	*1.71 J*	*1.39 J*	NS	NS	NS	NS	NS	NS
3/11/11		NI	NS	NS	**24.8**	*4.37*	**5.63**	NS	NS	NS	NS	*0.57 J*	*2.3*	NS
6/8/11	HS	NI	NS	NS	**25.4**	**6.54**	**9.00**	0.31 J	NS	NS	NS	*0.62 J*	*2.42*	NS
6/8/11	(2)	NI	NS	NS	**20.5**	*1.82 J*	*4.96*	*1.41 J*	NS	NS	NS	*0.53 J*	*1.66 J*	NS
10/11/11	HS	NS	NS	NS	**23.1**	*4.11*	**13.3**	*1.30*	NS	NS	NS	**13.1**	*2.19*	NS
12/22/11	HS	NS	NS	NS	**23.7**	*2.16*	NS	NS	NS	NS	NS	NS	NS	NS
3/12/12	HS	NS	NS	NS	NS	*3.19*	NS	NS	NS	NS	NS	NS	NS	NS
6/26/12	HS	NS	NS	NS	**22.5**	NS	**11.2**	NS	NS	0.33 U	*1.7 J*	NS	NS	NS
10/10/12	HS	NS	NS	NS	NS	**6.5**	NS	*1.6 J*	NS	NS	NS	*0.70 J*	*2.8 J*	NS
12/4/12	HS	NS	NS	NS	**18.6**	NS	NS	*1.1 J*	NS	0.33 U	*2.1 J*	NS	NS	NS
4/4/13	HS	0.38 U	0.38 U	*0.75 J*	**28.8**	**12.0**	NS	*1.8 J*	*1.4 J*	0.38 U	*3.6 J*	0.38 U	*3.7 J*	NS
7/1/13	HS	0.38 U	0.38 U	*0.90 J*	**27.2**	**10.6**	**5.6**	*2.0 J*	*1.3 J*	0.45 J	*3.3 J*	0.38 U	*4.0 J*	NS
10/14/13	HS	NS	NS	NS	**29.2**	*4.2 J*	**13.7**	*2.2 J*	*1.2 J*	NS	*2.8 J*	NS	**5.8**	NS
12/6/13	HS	NS	NS	NS	**20.8**	*2.0 J*	**8.8**	*1.0 J*	*0.40 J*	NS	NS	NS	*2.4 J*	NS
4/16/14	HS	NS	NS	NS	**21.7**	**7.1**	NS	NS	NS	0.60 U	*2.5 J*	NS	*2.7 J*	NS
6/16/14	HS	0.60 U	NS	NS	**23.4**	**8.3**	**7.7**	*2.0 J*	*0.97 J*	*0.64 J*	NS	NS	NS	NS
9/16/14	HS	NS	NS	NS	**22**	*2.8 J*	NS	NS	NS	NS	*2.9 J*	NS	*3.4 J*	NS
12/2/14	HS	0.60 U	NS	NS	**22.7**	**5.5**	NS	*2.1 J*	NS	NS	*3.3 J*	NS	*4.2 J*	NS

TABLE 2

RESIDUAL GROUNDWATER CONTAMINATION SUMMARY[1]

Date	FN	EW-6	MW-4A	MW-4B	MW-10A	MW-10B	MW-34A	MW-34B	MW-34C	MW-68A	MW-68B	MW-70A	MW-70B	MW-75
3/25/15	HS	NS	NS	NS	**22.3**	**5.3**	NS	NS	NS	NS	*3.2 J*	NS	*3.4 J*	NS
6/17/15	HS	0.60 U	0.60 U	*0.70 J*	**21.4**	**8.2**	**12.7**	*1.2 J*	*1.2 J*	*0.81 J*	*2.9 J*	*0.73 J*	*3.6 J*	**10**
9/22/15	HS	NS	NS	NS	**20.2**	**8.0**	NS	NS	NS	NS	*4.3 J*	NS	*3.6 J*	**5.9**
12/7/15	HS	0.60 U	NS	NS	**20.8**	**6.4**	**10.8**	*1.5 J*	NS	0.60 U	*4.0 J*	0.60 U	*3.9 J*	*2.4 J*
3/21/16	HS	NS	NS	NS	**19.1**	*3.8 J*	NS	NS	NS	NS	*2.4 J*	NS	*3.5 J*	*2.4 J*
6/13/16	HS	0.60 U	0.60 U	*0.65 J*	**16.7**	*2.7 J*	**6.5**	*1.4 J*	*0.87 J*	0.60 U	*4.5 J*	0.60 U	*3.2 J*	*2.3 J*
8/30/16	HS	NS	NS	NS	**18.8**	*3.6 J*	NS	NS	NS	NS	*4.0 J*	NS	*4.1 J*	*2.2 J*
10/6/16	(3)	NS	NS	NS	**19.4**	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/5/16	(4)	1.3 U	NS	NS	**18.8**	1.3 U	**6.5**	*1.5 J*	NS	NS	*4.0 J*	NS	*4.1 J*	*2.4 J*
3/20/17	HS	NS	NS	NS	**18.5**	*1.4 J*	NS	NS	NS	NS	*3.9 J*	NS	*4.0 J*	*1.9 J*
6/13/17	(4)	1.3 U	1.3 U	1.3 U	**17.4**	*3.6 J*	*4.4 J*	*1.4 J*	1.3 U	1.3 U	*3.9 J*	1.3 U	*4.5 J*	*2.0 J*
8/28/17	HS	NS	NS	NS	**20.1**	1.3 U	NS	NS	NS	NS	*4.0 J*	NS	*4.0 J*	*2.1 J*
12/12/17	(4)	1.3 U	NS	NS	**18.8**	1.3 U	1.3 U	*1.4 J*	NS	NS	*2.5 J*	NS	*2.4 J*	1.3 U
3/28/18	HS	NS	NS	NS	**18.9**	NS	NS	NS	NS	NS	NS	NS	NS	NS
6/21/18	HS	NS	NS	NS	**18.4**	NS	**7.8**	NS	NS	NS	NS	NS	NS	NS
8/14/18	HS	NS	1.3 U	1.3 U	**17.9**	1.3 U	**6.0**	*1.8 J*	1.3 U	1.3 U	*3.2 J*	1.3 U	*3.4 J*	*2.4 J*
12/10/18	HS	NS	NS	NS	**16.1**	NS	NS	NS	NS	NS	NS	NS	NS	NS

NOTES:
Concentrations are in micrograms per liter (µg/ℓ)/parts per billion (ppb).
The PAL for cadmium is 0.5 µg/ℓ; detected concentrations at or above the PAL are in red font and italicized.
The MCL/ES for cadmium is 5.0 µg/ℓ; detected concentrations at or above the MCL/ES are in red font and bold.
B = Compound detected in blank.
FN = Footnote (see below) and used to indicate dates when samples were collected using HydraSleeves, etc.
HS = HydraSleeve.
J = Estimated concentration below laboratory quantitation level.
NI = Not installed.
NS = Not sampled.
U = Compound not detected at or above the detection limit, which is the value shown.

FOOTNOTES:
(1) Summary of results from NPI extraction well EW-6, monitoring wells, and piezometers routinely sampled for dissolved cadmium analysis starting in 2017.
(2) Wells MW-10A&B, MW-34B, and MW-70B were sampled using USEPA Jan. 2010 low-stress (low-flow) protocol; MW-34A and MW-70A were sampled using bailers.
(3) Unfiltered (19.3 µg/ℓ) and filtered (19.4 µg/ℓ) samples were collected from MW-10A using USEPA Jan 2010 low-stress (low-flow) protocol.
(4) Sampled well/piezometer using a HydraSleeve (HS), except EW-6 was a grab sample from pumped groundwater.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 3

LOST-WELL PROPERTY NOTIFICATION INFORMATION[1]

Reference No.	Street Address[2] of Property with Lost Well(s)	Lost Well/Piezometer ID(s)	Grid Coord.	Plume	Plat or Tax Parcel Number
1	2800 Melby St	MW-46A/B/C, RW-17	G7	1/2	22809-3341-00020000[3]
"	"	RW-23	H7	1/2	"
2	3800 Starr Ave	MW-50A/B, MW-59A/B	F6	1/2	22809-3340-00000000[4]
"	"	RW-5	D8	1/2	"
"	"	RW-25	G3	1/2	"
3	3440 White Ave	RW-18[5]	H8	1/2	22809-3344-04500000[3]
4	3412 Sundet Rd	WW-12	J4	3/4	22809-2743-72258001[3]

NOTES:
Grid Coord. = NPI grid coordinate (see Figure 1).
MW = NPI monitoring well.
RW = EPA monitoring well.
WW = WDNR monitoring well.

FOOTNOTES:
(1) Lost-well notification letters were mailed on 10/22/18.
(2) All properties are located in Eau Claire, Wisconsin.
(3) Plat number.
(4) Tax parcel number.
(5) RW-18 included as a "lost well" because it cannot be found and/or determined if RW-18 is the PW-6 well at 3440 White Avenue.

Gannett Fleming

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 4

LONG-TERM STEWARDSHIP PLAN SUMMARY [1]

Ref. No.	Institutional Control/Continuing Obligation		Monitoring Method	Monitoring Frequency
	Description	Objective		
1	Cap maintenance at the MRDS	Maintain integrity of cap	Conduct inspections and maintenance activities per O&M manual.	Annually[2]
			Verify absence of prohibited activity and integrity of cap.	Annually
2	Cover maintenance at the LDA	Maintain integrity of cover	Conduct inspections and maintenance activities per plan[3].	Annually[2]
			Verify absence of prohibited activity and integrity of cover system.	Annually
3	County & municipal ordinances	Prevent human consumption of contaminated GW until GW cleanup goals are achieved.	Verify that Chippewa County requires permit for construction of any new private water supply well.	Annually
			Verify that Eau Claire ordinances restricting private wells and cross connections remain in place and effective.	Annually
			Verify that Village of Lake Hallie ordinances restricting private wells and cross connections remain in place and effective.	Annually
		See "Monitoring Method" column	Verify that Eau Claire ordinances to prevent acts that would compromise integrity of the ECMWF air stripper remain in place and effective.	Annually
4	Deed restriction for the MRDS	Maintain integrity of remedy & prevent residential & GW use	Verify that restrictive covenants have been properly recorded.	Once
5	Informational maps	Inform public	Review and improve maps.	As warranted
6	Local zoning	Prevent exposure	Verify that City of Eau Claire Parcel #16-0429 is zoned industrial.	Annually
7	Lost-well abandonment CO	Meet WAC	Confirm commitment to properly abandon any lost well if found.	Annually
8	Wisconsin Administrative Code (WAC)	See "Monitoring Method" column	Review WAC for changes to code citations in the ICIAP (ch. NR 811).	Annually
		See "Monitoring Method" column	Verify that no new private or public supply wells have been placed in proximity to contaminated GW.	Annually
9	WRRD	Inform public and meet WAC	Review online postings for accuracy.	Annually

NOTES:
All acronyms except GW are defined in text of report.
GW = Groundwater.

FOOTNOTES:
(1) This table summarizes NPI's monitoring responsibilities and continuing obligations.
(2) Inspection conducted annually; maintenance performed as needed.
(3) Appendix E includes the cover system maintenance plan for the LDA.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 5

CONTACT INFORMATION (AUGUST 2019)

Howard Caine
Remedial Project Manager
Waste Management Division
USEPA Region 5
77 West Jackson Blvd, 6th Floor
Chicago, IL 60604-3590
312/353-9685
Caine.Howard@epa.gov

Mae Willkom
Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
1300 W. Clairemont Avenue
P.O. Box 4001
Eau Claire, WI 54701
715/839-3748
Mae.Willkom@wisconsin.gov

Derrick Paul
National Presto Industries, Inc.
3925 N. Hastings Way
Eau Claire, WI 54703-0485
715/839-2141
dpaul@gopresto.com

Cliff Wright
Gannett Fleming, Inc.
8040 Excelsior Dr., Suite 303
Madison, WI 53717-1338
608/836-1500 x6722
cwright@gfnet.com

APPENDIX A

ZONING VERIFICATION FOR CITY OF EAU CLAIRE PARCEL #16-0429

Wright, Clifford C.

From: Ryan Petrie <Ryan.Petrie@EauclaireWi.Gov>
Sent: Friday, March 17, 2017 11:01 AM
To: Wright, Clifford C.
Subject: RE: Request for Verification of Zoning 3/17/17
Attachments: National Presto.pdf

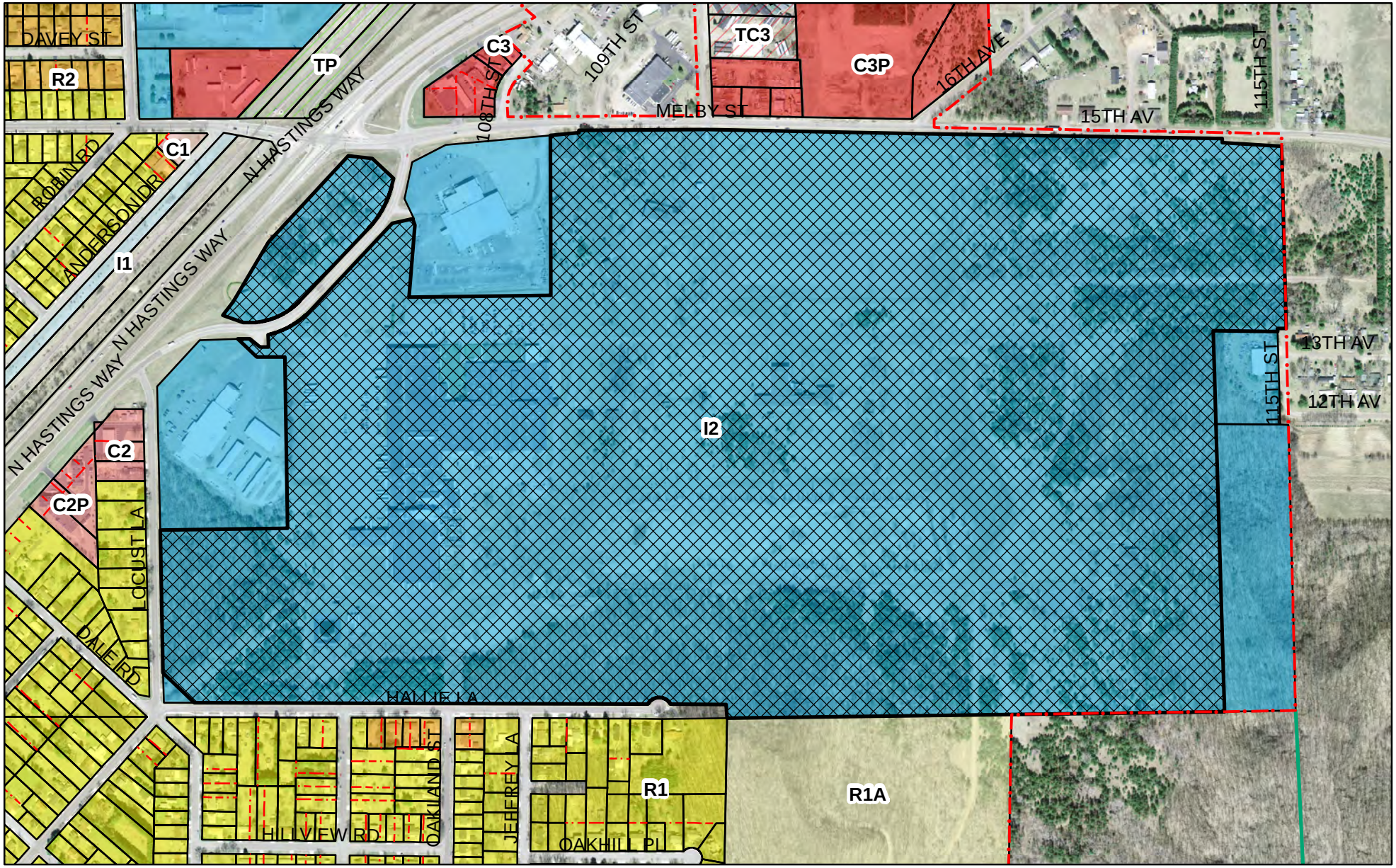
Cliff, per your request, the zoning for National Presto is I-2 (Heavy Industrial) and I have attached an official zoning map for the property and the surrounding area. If you have any questions, please let me know. Thanks.

Ryan Petrie
Associate Planner
City of Eau Claire
715-839-4914

From: Wright, Clifford C. [mailto:cwright@GFNET.com]
Sent: Friday, March 17, 2017 10:29 AM
To: Ryan Petrie
Subject: Request for Verification of Zoning 3/17/17

Ryan- On behalf of National Presto Industries (NPI) at 3925 N Hasting Way, please provide Gannett Fleming, Inc. with documentation (e.g., official zoning map or email from your department) that Parcel #16-0429 is zoned industrial, as you and I recently discussed.

Cliff Wright, PE, PG | Project Engineer/Geologist
Gannett Fleming, Inc. | 8025 Excelsior Drive, Madison, WI 53717-1900
t 608.836.1500 x6722 | **c** 608.695.3651 | cwright@gfnet.com
Excellence Delivered As Promised
Gannett Fleming is ISO 9001:2008 Certified.
www.**gannettfleming**.com | Stay connected: *Twitter* | *Facebook* | *LinkedIn* | *YouTube*



National Presto Industries
3925 N Hastings Way
I-2 (Heavy Industrial)

N

City Limits

Subject Property

0 500 1,000 Feet

APPENDIX B

COUNTY AND MUNICIPAL ORDINANCES ADDRESSING PRIVATE WELLS AND CROSS CONNECTIONS

Chippewa County - Private Well Ordinance (Page 1 of 15)

Chapter 62 WASTE TREATMENT & DISPOSAL & SANITATION

Ordinance Amendments:

2011-01 – Changes to Division 2 – Modifications to POWTS Language.
(Adopted by the County Board on 05-10-2011).

2011-07 – Changes to Division 3 - transferring enforcement authority to LCFM.
(Adopted by the County Board on 12-13-2011).

2012-17 – On March 13, 2012, the County Board adopted ordinance revisions to codify Resolution No. 39-11, which restructured the County Board committees, boards, and commissions in anticipation of the downsizing of the County Board from 29 to 15 supervisors. Not all ordinance subsections were revised, but those subsections that had material changes will be specifically designated at the end of those subsections.

2017-02 – Created Article V to formally established the Chippewa County Groundwater Inventory.

2018-08 – Changes to Sec 62-156 Soil and Site Evaluations
(Adopted by the County Board 09-11-2018)

ARTICLE I. IN GENERAL

Sec. 62-1 to 62-30. Reserved.

ARTICLE II. PRIVATE WATER SYSTEMS AND WELLS

Sec. 62-31. Authority and Adoption.

(a) This article is adopted under the authority granted to the county by Wis. Stats. §§ 59.70(6) and 280.21 and Wis. Admin. Code NR ch. 845.

(b) This article is subject to the provisions of Wis. Stats. §§ 59.70(6) and 280.21 and all rules promulgated there under regulating private water systems.

(c) This article may not be more lenient nor more stringent than the rules promulgated pursuant to Wis. Stats. ch. 280.

(d) Failure to comply with any of the provisions of such regulations shall constitute a violation of this article, actionable according to the penalties provided in this article.

(e) This article applies to the entire county and includes cities, towns, villages and sanitary districts in the county.

(Code 1980, § 15.01(1))

Sec. 62-32. Jurisdiction.

The provisions of this article shall apply to all private water systems within the county.

(Code 1980, § 15.01(2))

Sec. 62-33. Purpose.

The purpose of this article is to protect the drinking water and groundwater resources of the county by governing access to groundwater through regulating private well location.

(Code 1980, § 15.01(3))

Sec. 62-34. Intent.

The intent of this article is to regulate the location of wells.

(Code 1980, § 15.01(4))

Sec. 62-35. Repeal.

All other county ordinances or parts of ordinances inconsistent or conflicting with this article, to the extent of the inconsistency only, are repealed.

(Code 1980, § 15.01(7))

Sec. 62-36. Definitions.

The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

(a) *Administrator* means the county employee designated by the County Board to issue permits for private well location and to administer Wis. Admin. Code NR ch. 812 in the county as authorized by the department.

(b) *Central office* means the bureau of water supply located in Madison, Wisconsin, which functions as the coordinating authority for the statewide water supply program.

(c) *Community water system* has the meaning designated in Wis. Admin. Code NR § 811.02(7).

(d) *County office staff* means county office personnel trained to answer general well location questions and to accept permit applications.

(e) *Delegation Level* means the program level, as set forth in Wis. Admin. Code NR § 845.05, at which a county is authorized to administer and enforce Wis. Admin. Code NR ch. 812.

(f) *Department* means the Department of Natural Resources.

(g) *District* office means the department office located in Eau Claire, Wisconsin.

(h) *Existing* installations has the meaning designated in Wis. Admin. Code NR ch. 812.

(i) *Health hazard* means a condition which constitutes:

(1) A violation of Wis. Admin. Code NR ch. 812 regarding the installation, construction, operation or maintenance of a private well; or

(2) Confirmed bacteriologically unsafe well water quality.

(j) *Noncommunity water system* means a public water supply system that serves at least 25 people at least 60 days each year. A noncommunity water system commonly serves a transient population rather than permanent year round residents. This is typically an individual well serving a restaurant, industry, service station, tavern, motel, campground or church.

(k) *Noncomplying well or pump installation* means a private water system not in compliance with all provisions of Wis. Admin. Code NR ch. 812 in effect at the time the well was constructed or the pump was installed.

(l) *Person* means an individual, corporation, company, association, cooperative, trust, institution, partnership, state, public utility, sanitary district, municipality or federal agency.

(m) *Personal interest* means having a financial interest in a property or being related by marriage or birth to a person having a financial interest in a property.

(m) *Primary drinking water standards* means those maximum contaminant levels which represent minimum public health standards set forth in Wis. Admin. Code NR ch. 809.

(o) *Private water system* means the water collection, storage and treatment facilities and all structures, piping and appurtenances by which water is provided for human consumption by other than community water systems. For the purpose of this article, it includes noncommunity water systems.

(p) *Private water systems ordinance* means a county ordinance, approved by the department, regulating private water systems at the county's authorized delegation level.

(q) *Private well* means, for the purpose of this article, any drilled, driven point, dug, bored or jetted well constructed for the purpose of obtaining groundwater for potable use, including wells constructed in special well casing depth areas and noncommunity wells. It does not include springs or private or public wells that require written plan approval from the department.

(r) *Public water system* has the meaning designated in Wis. Admin. Code NR ch. 812.

(s) *Reconstruction* means modifying the original construction of a private well. It includes but is not limited to deepening, lining, installing or replacing a screen, under-reaming, hydro-fracturing and blasting.

(t) *Variance* means an approval issued by the department under Wis. Admin. Code NR ch. 812 allowing a private water system to vary under Wis. Admin. Code NR ch. 812 requirements if department approved conditions are met.

(u) *Water system* means the water collection, storage, treatment facilities and all structures, piping and appurtenances by which water is provided.

(v) *Well* has the meaning designated in Wis. Stats. ch. 280.

(w) *Well construction* means the procedures, methods, materials and equipment used during the construction or reconstruction of a private well.

(x) *Well constructor* means any person who constructs a well.

(y) *Well location permit* means a permit, or comparable registration system, issued by the county which allows the construction or reconstruction of a private well.

(Code 1980, § 15.01(8)) (Ord. No. 17-12, 03-13-2012)

Cross references: Definitions generally, § 1-3.

Sec. 62-37. County Administration.

(a) *County responsibilities for Level 1 private well location and Level 5 well and drillhole abandonment.* It is the county's responsibility for Level 1 private well location and Level 5 well and drillhole abandonment to:

(1) Issue permits authorizing the location of new and replacement private wells, including drilled, driven point, dug, bored or jetted wells, or the reconstruction or rehabilitation of existing private wells.

(2) Conduct inspection of wells for which well location permits are required as soon as possible after the well is constructed.

(3) Determine whether the casing height of a permitted well complies with Wis. Admin. Code NR ch. 812 and that there is a cap or seal on the upper terminus of the well.

(4) Require the abandonment of wells not in service, or that will be taken out of service, if the well is unused, noncomplying or bacteriologically unsafe. A county may require abandonment of a well with water exceeding a primary drinking water standard listed in Wis. Admin. Code NR ch. 809, or other chemical compounds for which state health advisory limits have been issued including inorganic and organic compounds, after consultation with and approval by the department.

(5) Require upgrading of all inspected private wells that are not in compliance with the minimum private well locational distances in Wis. Admin. Code NR ch. 812.

(b) *Cooperation with other units.* The county planning and zoning office shall cooperate with all other governmental units and agencies in the enforcement of all state and local laws and regulations pertaining to matters in this article.

(c) *Administrator*. The county planning and zoning administrator shall act as the county administrator and is assigned the duties of administering the private water system program in accordance with program rules. The administrator shall have the power and duty to enforce the provisions of this article and all other ordinances, laws and orders of the county and of the state which relate to the construction, alteration or installation of all private water systems within the county at the county's authorized delegation level.

(1) *Qualifications of administrator.* The administrator shall be informed on the principles and practices of private well construction and pump installation. If the administrator has a personal interest in the construction or modification of any well or pump installation subject to the provisions of Wis. Stats. ch. 280, Wis. Admin. Code NR ch. 812, or county ordinances, the County Board shall, after consultation with the department, designate another knowledgeable person to examine the application to issue the required permit and to make the necessary inspections.

(2) *Powers.* The county administrator shall have all the powers necessary to enforce the provisions of this article commensurate with the level or levels of the county's delegated authority including the following:

a. In the discharge of her duties, the administrator or an authorized representative may enter any building or property upon presentation of the proper credential, during reasonable hours for the purpose of inspecting the private water system and may request the owner or operator to produce the private well location permit required under this article. No person may interfere with the administrator or an authorized representative in the performance of his duties. Any person interfering shall be in violation of this article and subject to penalty as provided by this article. If consent to enter property for inspection purposes is denied, the administrator may obtain a special inspection warrant under Wis. Stats. § 66.0119.

b. Order any person owning, operating or installing a private water system to abandon, repair or place it in a complying safe or sanitary condition if the system is found to be unused, bacteriologically unsafe or not in compliance with Wis. Admin. Code NR ch. 812 or county ordinance.

c. Prohibit the use of any new well, which is found to be installed, located, constructed, operated or maintained so as to be a health hazard to the users, neighbors or community.

d. Appoint representatives to aid in processing applications for well location permits.

e. Enforce any or all ordinances applicable to private water systems in accordance with department rules.

f. If the administrator or an authorized representative determines that the location or construction of a private well does not comply with this article, the administrator or assistant shall post, in a conspicuous place upon the site, a suspension of work order demanding cessation of work. The administrator shall notify the well constructor and property owner in writing of the noncompliance and the nature of the work to be discontinued and corrected, identifying the location and the name of the person issuing the order. It shall be a violation of this article to engage in work that conflicts with the terms of an order or to make an unauthorized removal of a posted order. Work may resume on the site under the direction of the administrator.

(3) *Duties of administrator.* It shall be the duty of the administrator to enforce the provisions of this article and perform the following duties commensurate with the level or levels of the county's delegated authority:

a. Record all permits, fees, inspections and other official actions and make an annual report thereon to the County Board of Supervisors.

b. Provide the department with copies of all permits and correspondence as required by Wis. Admin. Code NR ch. 845 and Wis. Stats. ch. 280.

c. Inspect the location of new private water systems upon completion.

d. Investigate and record all private water system complaints.

e. Investigate cases of noncompliance with this article, Wis. Admin. Code NR ch. 812 and Wis. Stats. ch. 280, issue orders to abate the noncompliance, and submit complaints to the corporation counsel for enforcement.

f. Refer complaints and cases of noncompliance believed to be or known to be beyond the scope of the county's delegation level to the department.

g. Cooperate with all other governmental units and agencies in the enforcement of all state and local laws and regulations of matters related to this article.

h. Assist the department as specified in Wis. Admin. Code NR ch. 845.

i. Refer variance requests and actions which require department approval to the department.

j. Advise owners not to drink or use water from private water systems under conditions specified in Wis. Admin. Code NR ch. 845.

k. The administrator, a trained county inspector or county office staff shall be available at the administrator's office for answering questions regarding permit applications and for accepting applications for well location permit for a minimum of four regularly scheduled hours each workday.

(Code 1980, § 15.02) (Ord. No. 17-12; 03-13-2012)

Sec. 62-38. Requirements and Permits.

(a) *Permits.*

(1) No person may install a private well or water system unless the owner of the property on which the private water supply system is to be installed holds a valid well location permit issued by the county or has made arrangements to acquire a permit by notifying the administrator prior to construction. Notification shall include providing the administrator with the property owner's name, address, property, legal description, proposed starting date and identification of the person who will be obtaining the permit. Unless other arrangements are made, the permit shall be applied for on the first workday following initial construction.

(2) No private water system may be located, installed or operated within the jurisdictional limits of the county without the appropriate permit being obtained in compliance with subsection (a)(1) of this section and without being in full compliance with the provisions of this article and all other applicable state and local laws and regulations. Permit applications for the location of a well shall be made by the property owner or the property owner's designated agent. Permits shall be issued from the office of the administrator.

(3) The permit application shall be on forms provided by the administrator.

(4) Well location permit applications shall be signed by the property owner or the property owner's designated agent. Well location permit applications shall be submitted to the administrator at least two working days prior to construction if the property owner or well constructor is interested in receiving information about potential contamination sources such as landfills; underground storage tanks; primary and replacement on-site sewage disposal system areas on the development site and on adjacent properties; and special casing areas. Where a well location permit application is submitted less than two working days prior to construction, the well constructor shall be responsible for maintaining full compliance with all provisions of Wis. Admin. Code NR ch. 812. The permit application may be submitted by the property owner or the property owner's designated agent but shall be issued to the property owner.

(5) The administrator or designated representative shall assist applicants in preparing applications and approve, disapprove or notify an applicant of the need to seek a variance or special approval from the department or return the permit application due to incompleteness for all private water systems to be constructed or modified in the county within two working days following submission of the permit application. The county may reserve final approval or disapproval of a permit which requires department action until the variance or special approval request has been acted on by the department.

(6) The administrator shall issue written notice to each applicant whose permit application is disapproved. An application shall be disapproved if the well construction would result in noncompliance with Wis. Admin. Code NR ch. 812 or if a well construction variance or special approval request was denied by the department. Each notice shall:

a. State the specific reason for denial.

b. Inform the applicant of the right to request a special approval or a variance from the department and the procedures for making such a request.

(7) When construction occurs on a weekend or holiday, notification shall be provided to the administrator on the first workday following the weekend or holiday in the same manner as described in subsection (a)(4) of this section. Unless other arrangements are made with the administrator, the permit application shall be obtained on the first workday following the weekend or holiday. The well constructor shall be responsible for maintaining full compliance with all provisions of Wis. Admin. Code NR ch. 812.

(8) A permit transfer application shall be submitted to the county when there is a change of property owner after the application is submitted but before well construction is completed. Failure to submit a transfer application to the county shall invalidate a previously issued permit. The application shall be on a form made available by the administrator.

(9) As soon as the well location permit is received, it shall be displayed conspicuously at the well site during construction and for a minimum of seven days following completion of construction or until the well has been inspected by county staff, whichever occurs first. The county staff must be contacted within 24 hours of completion of a well.

(10) A well location permit shall be valid for a period of one year or until construction is completed, whichever occurs first. If the permit expires, a new application shall be submitted to the administrator. Reapplications shall be evaluated so that construction will comply with the provisions of Wis. Admin. Code NR ch. 812 in effect at the time of the reapplication. The administrator may require additional inspections and fees for reapplications.

(11) A well location permit is not required nor shall such be issued by the county for private water systems requiring written plan approval from the department.

(12) Any permit issued under this section shall be void if any false or inaccurate statement is made or if any inaccuracy is shown on any application for a permit.

(13) No permit may be issued to any property owner or designated agent of the property owner who is in violation of this article, until the violation has been corrected, unless the permit is to allow correction of the violation.

(14) The administrator shall forward a copy of the approved well permit application to the Department of Land Conservation & Forest Management to be applied toward the management and maintenance of the Chippewa County Groundwater Inventory.

(b) *Appeals.* Persons seeking to appeal a decision of the administrator under this article shall file written letters of appeal with the administrator. The administrator shall place the appeal on the agenda of the board of adjustment and the appeal shall be given a due process proceeding in accord with Wis. Stats. § 59.694. The board of adjustment shall decide whether to uphold, uphold with modifications or reverse the administrator's decision based upon the terms and intent of this article and of relevant state laws and administrative rules. No appellate decision shall have the effect of approving an existing or proposed condition that would violate this article of state law or administrative rule. Appeals that may only be approved by the granting of a variance to Wis. Admin. Code NR ch. 812 shall be referred to the department pursuant to Wis. Admin. Code NR ch. 845. Board of adjustment appellant decisions shall be made in writing and shall be filed in the administrator's office. Appeals of decisions made by authorized agents on the behalf of the administrator shall be made first to the administrator and then be appealable as provided in this section.

(c) *Violations.* The administrator shall investigate violations of this article and Wis. Admin. Code NR ch. 812, relating to the county's authorized delegation level, issue orders to abate the violations and submit orders to the corporation counsel for enforcement.

(d) *Administrator directives and orders.*

(1) *Field Directive.* The administrator, after investigation and a determination that a violation exists, may issue a written field directive. This field directive may consist of a hand written note on an inspection report, or similar paper, identifying the violation that has occurred and assigning a date by which the violation must be corrected, and shall include the inspector's telephone number and office address.

(2) *Formal Directive.* A formal letter may be issued, which states the violation, this section, administrative rule or statutory section violated, the date the violation was noted, the inspector who noted the violation and assign a date by which the correction must be made.

(3) *Correction order.* Upon discovery and after documentation of a violation, the administrator may issue a correction order. The administrator may use a stepped enforcement procedure by issuing a directive before an order or may proceed directly to issuing a correction order. An order shall include the following:

a. The location of the violation (site).

b. The name of the parties; owner, permittee, well constructor.

c. The citation of the statute, ordinance or Wisconsin Administrative Code section violated.

d. The date of inspection of the site where the violation occurred.

e. The name of the person who conducted the inspection which revealed the violation.

f. The date by which the correction must be completed.

g. The name of the person who must be contacted regarding subsequent inspection of the site.

h. A statement that, if the order is not complied with, the administrator will refer the violation to the corporation counsel with a recommendation to seek injunctive relief and/or forfeitures from the circuit court of the county. Orders shall be signed by the administrator of the private water system ordinance.

i. Orders shall be delivered by the sheriff. The administrator shall report all orders that have not been complied with to the corporation counsel for enforcement.

(e) *Enforcement actions.*

(1) An enforcement action may be brought by the corporation counsel against a person or persons for any of the following violations:

a. Failure to comply with any provision of this article.

b. Failure to comply with any permit specification or requirement.

c. Failure to comply with any directive or order issued by the county administrator.

d. Resisting, obstructing or interfering with the county administrator's or an authorized assistant's actions undertaken pursuant to this article.

(2) The county corporation counsel may, for any violation, seek:

a. Injunctive relief; and/or

b. Forfeitures of not less than $100.00 but not more than $500.00.

c. Each day of violation is a separate offense.

d. Any person who has the ability to pay any forfeiture entered against him under this article but refuses to do so may be confined in the county jail until such forfeiture is paid, but in no event to exceed 30 days. In determining whether an individual has the ability to pay a forfeiture imposed under this section, all items of income and all assets may be considered regardless of whether or not the income or assets are subject to garnishment, lien or attachment by judgment creditors under the laws of this state.

(f) *Fee schedule for permits and inspections.* The fee for a permit under this article shall be established by resolution of the County Board, payable in advance.

(Code 1980, § 15.03) (Ord. No. 02-17, 04-11-2017)

Secs. 62-39 to 62-60. Reserved.

ARTICLE III. SOLID WASTE

DIVISION 1. GENERALLY

Sec. 62-61. Litter and Waste Control Generally.

The purpose of this article is to ensure the public health, safety and general welfare by controls upon littering and solid waste disposal in the county.

(Code 1980, § 5.23(1)(a))

Sec. 62-62. Definitions.

The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

(a) *Garbage* means any discarded material resulting from the handling, processing, storage or consumption of food products and containers thereof.

(b) *Hazardous waste* means that waste as defined by Wis. Stats. § 291.01.

(c) *Litter* means any uncontainerized garbage, refuse and yard waste deposited other than in a proper

Sec. 62-193. Appeals.

(a) *Authority.* Under authority of Wis. Stats. § 59.694 and section 70-35 of the Chippewa County Zoning Ordinance the County Board of Adjustment is authorized to hear and decide appeals where it is alleged that there is error in any order, requirement, decision or determination by the administrator in administering this division.

(b) *Procedure.* The rules, procedures, duties and powers of the board of adjustment and Wis. Stats. ch. 68 shall apply to this division.

(c) *Who may appeal.* Appeals may be taken by any person having a substantial interest which is adversely affected by the order, requirement, decision or determination made by the administrator or department.

(Code 1980, § 15.67, Ord. No. 07-11, 12-13-2011)

ARTICLE V. CHIPPEWA COUNTY GROUNDWATER INVENTORY

Sec. 62.210. Statutory Authority.

This article is adopted pursuant to the authorization in Wis. Stats., Chapter 92.07(1) and 92.07(11).

Sec. 62-211. Purpose.

The purpose of this article is to establish the Chippewa County Groundwater Inventory as an information source to be applied and maintained to support soil and water conservation, and groundwater management efforts in Chippewa County.

Sec. 62-212. Intent.

The intent of this article is to define the contributing components of the Chippewa County Groundwater Inventory and the administrative policy and procedures to be applied to manage and maintain this inventory.

Sec. 62-213. Administration.

(a) The Department of Land Conservation & Forest Management shall be responsible for the custodial management and maintenance of the Groundwater Inventory with policy oversight provided by the Land Conservation & Forest Management Committee. The Department of Land Conservation & Forest Management shall coordinate its efforts with other county departments and state and federal agencies that collect or otherwise contribute data that is maintained as part of the inventory.

Sec. 62-214. Definitions.

The following words, terms, and phrases, when used in this division, shall have the meaning ascribed to them in this section, except where the context clearly indicates a different meaning:

(a) *Chippewa County Groundwater Inventory* means a compilation of information, data sets, and associated maps that are created and routinely maintained to document groundwater conditions, to be applied to support ongoing soil and water conservation and groundwater management efforts in Chippewa County.

(b) *Administrator* means the Director of the Chippewa County Department of Land Conservation & Forest Management, or designee, as assigned to administer and enforce this ordinance.

(c) *Department* means the Chippewa County Department of Land Conservation & Forest Management.

Sec. 62.215. Components.

(a) The contributing components of the Chippewa County Groundwater Inventory shall include:

(1) An inventory of all domestic wells of record compiled and maintained to document well location, well construction, subsurface geology, and groundwater elevations. This record shall consist of:

a. A copy of individual well permits issued by the Chippewa County Department of Planning & Zoning under Chapter 62, Article II.

b. A high resolution air photo map showing the approximate point location of each permitted well.

c. A copy of the individual well logs for each permitted well location, as created by a licensed well driller and filed with the Wisconsin Department of Natural Resources.

(2) An inventory of high capacity wells of record compiled and maintained to document well location, well construction, subsurface geology, and groundwater elevations. This record shall consist of:

a. A copy of high capacity well permits issued by the WI Dept. of Natural Resources issued under NR 812.09(4)(a).

b. A high resolution air photo map showing the approximate point location of each permitted well.

c. A copy of the high capacity well logs for each permitted well location, as created by a licensed well driller and filed with the WI Department of Natural Resources.

(3) A record of groundwater elevations, as measured periodically from a groundwater monitoring network, compiled and maintained to document groundwater elevations at representative locations distributed throughout the County. This record shall consist of:

a. A digital record of groundwater elevations for each designated monitoring well that has been instrumented and calibrated as a contributing component of the automated (Wellntel) groundwater monitoring network in Chippewa County as maintained by Chippewa County, the United States Geologic Survey, and cooperating state agencies.

(4) A record of groundwater chemistry, as compiled and maintained to periodically document and monitor groundwater chemistry throughout the County. This record shall consist of:

a. The analytical results of groundwater water sampling, obtained from domestic wells, conducted through county-wide drinking water sampling projects conducted by Chippewa County in 1985, 1991, 2007, and 2016.

b. The analytical results of groundwater water sampling obtained from domestic wells conducted through the Chippewa County Nitrate Sampling Program, administered by Chippewa County Department of Land Conservation & Forest Management from 1990 to present.

c. The analytical results of groundwater water sampling, conducted and made available by other public agencies, from wells with known well point locations and well construction logs.

(d) A multi-relational database and Geographic Information Systems (GIS) map coverage to record and maintain information, managed through the Chippewa County Groundwater Inventory.

(Ord. 02-2017, 04-11-2017)

Title 14

WATERWORKS

Chapters:

Chapter 14.04

GENERAL PROVISIONS*

Sections:

14.04.010 Title. This title shall be known as "an ordinance revising the water rates and rules and regulations of the municipal water utility, Eau Claire, Wisconsin." (Ord. 3197 §I(part), 1970; Prior code §17.01).

14.04.020 Definitions. Whenever in this title the following words, clauses or terms are used they shall be construed to have the meaning herein defined, unless specifically otherwise stated:

A. "Water department" means the organization and operation of each and every part of the water works system.

B. "Council" means the city council of the city of Eau Claire, Wisconsin.

C. "Mains" means all pipes used for carrying water in the streets.

D. "Services" means the pipe extending from the main to the premises served.

E. "Office" means the office of the water department in the City Hall.

F. "Owner" means any person, firm, corporation or association owning property or premises which is or can be supplied with water, or his or their authorized agent.

G. "Agent." In the absence of instructions from the owner of any property or his duly authorized agent to the contrary, the occupant of any premises shall be recognized as the owner's agent, insofar as his relations to the water department be concerned.

H. “Residential Class” includes customers who have water service provided for residential or domestic purposes and sales through a single meter to buildings with three or more dwelling units.

I. “Nonresidential Class” includes commercial, industrial, and public authority customers. Commercial customers include business entities and institutions, except governmental entities, that provide goods or services. Churches and parochial schools are classified as commercial. Industrial customers include customers who are engaged in the manufacture or production of goods. Public Authority customers include any department, agency, or entity of local, state, or federal government, including public schools, colleges, and universities.

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* For provisions of general charter law regarding city utilities generally, see WSA 66.0815; for provisions of general municipal law regarding city ownership of utilities, see WSA 66.0803; for statutory provisions regarding regulation of water and sewers, see WSA 144; for provisions of general charter law regarding construction of sewers, see WSA 62.18; for provisions authorizing regulation of utilities, see WSA 196; for provisions authorizing cities to acquire utilities, see WSA 197.

J. "Premises" means a single-family dwelling, a two family dwelling, an apartment house occupied by more than one family, a building occupied for business or other purposes, or any part of a building with the land appurtenant thereto when sold as a separate unit.

K. "Unit of service" shall consist of any residential or small commercial aggregation of space or area occupied for a distinct purpose such as a residence, apartment, flat, store or office which is equipped with one or more fixtures for rendering water service, separate and distinct from other users.

L. "Customer" shall be construed to mean the owner of the property.

M. "Customer service" means that portion of the service lateral that is between the curb box and the premises being served by the water utility.

N. "Utility service" means that portion of the service lateral from the public water main through the curb box which is the property of the utility, or to the property line if no curb box exists.

O. "Service lateral" means the combined utility and customer service which extends from the public water main through the meter, or to a point of 2 feet outside the building if no meter exists.

P. "Superintendent" means the city utilities administrator or his or her designee.

Q. "Cross connection" shall be defined as any physical connection or arrangement between two otherwise separate systems, one of which contains potable water from the city of Eau Claire water system, and the other, water from a private source, water of unknown or questionable safety, or steam, gases, or chemicals, whereby there may be a flow from one system to the other, the direction of flow depending on the pressure differential between the two systems. (Ord. 7085, §1, 2014; Ord. 4716, §1, 1987; Ord. 4423 §1, 1984; Ord. 3395 §I, 1973; Ord. 3197 §I(part), 1970).

14.04.025 Rules and regulations--General. A. All persons now receiving a water supply from the Eau Claire municipal water utility, or who may hereafter make application therefor, shall be considered as having agreed to be bound by the rules and regulations as filed with the Public Service Commission of Wisconsin.

B. Application for water service shall be made in writing on a form furnished by the water utility (utility's water service tap permit). The application will contain the legal description (parcel number) of the property to be served, the street number, name of owner, the exact use to be made of the service, and the size of the supply pipe. The meter size shall be determined by the water demand.

Service will be furnished only if:

1. Premises abut a designated street or public strip in which a cast iron or other long-life water main has been laid, or where property owner has agreed to and complied with the provisions of the utility's filed main extension rule;

2. Property owner has installed or agrees to install a service pipe from the utility service to the point of use and laid not less than 7½ feet below the surface of an established or proposed grade, or otherwise insulated in a manner approved by the utility;

3. Premises have adequate piping beyond metering point.

C. The owner of a multi-unit dwelling has the option of being served by individual metered water service to each unit. The owner, by selecting this option, is required to provide interior plumbing and meter settings to enable individual metered service to each unit and individual disconnection without affecting service to other units. Each meter and meter connection will be a separate water utility customer for the purpose of the filed rules and regulations.

D. Every building equipped with plumbing fixtures and used for human occupancy or habitation shall be provided with a potable supply of cold water. The owner of any such building within the jurisdiction of the city, wherein water service is readily available, is required, at the owner's expense, to connect such plumbing facilities directly to the public water distribution system in accordance with the provisions of this chapter within one (1) year after the water service is deemed available by the director of community services or designee. Such time may be extended upon specific written authorization from the director of community services or designee in the event of unfavorable weather conditions, except when an imminent health hazard exists.

E. If any person fails to connect to the municipal water distribution system within the time contained in the city code or in the manner prescribed by the plumbing code for more than 10 days after notice in writing, the city may cause connection to be made, and the expense thereof assessed as a special tax against the property in accordance with Wisconsin Statutes s. 281.45. The owner may, within 30 days after completion of the work, file a written option with the city clerk stating that he or she cannot pay the amount in one sum and asking that it be levied in not to exceed five (5) equal annual installments, and the amount shall be collected with interest at a rate of 6% per year from the completion of the work. The unpaid balance of the special tax shall be placed as a special tax lien on the property.

F. No water service shall pass under or through a building to serve another building.

G. The superintendent is hereby empowered to withhold approval of any application wherein full information of the purpose of such supply is not clearly indicated and set forth by the applicant property owner. (Ord. 7202, 2016; Ord. 6740, 2006; Ord. 6212 §1, 2001; Ord. 4423 §2, 1984).

14.04.030 Water waste prohibited. Excessive or unnecessary use of, or waste of water, whether caused by carelessness or defective or leaking plumbing, is strictly prohibited. (Ord. 3197 §I(part), 1970).

14.04.050 Connection and shutoff locations recorded. It shall be the duty of the plumbing inspector to locate by measurement each service connection and each curb shutoff, referring the same to some suitable permanent building or street line. This information shall be entered on the records of the department. (Ord. 3197 §I(part), 1970).

14.04.060 Permits--Licensed plumbers only. To protect the city and property owners, permits for laying of service laterals will be issued only to plumbers licensed in the State of Wisconsin, unless the work is done by the utility. It shall be the duty of the plumbing inspector to supervise the installation of laterals and require said work and materials to be in accordance with plumbing regulations in the city ordinance. It shall further be the duty of the plumbing inspector to locate by measurement each service lateral connection and each curb shutoff with reference to some suitable permanent building or street line. This information shall be entered on the records of the utility. (Ord. 4423 §3, 1984).

14.04.070 Violations--Penalty. The water department may at its discretion shut off the water from any premises where the owner or agent of the owner is found guilty of violating any of the provisions of this title, upon giving the owner or agent at least twenty-four hours' written notice of such intended action. In addition to this any person guilty of violating the provisions of this title shall be liable to a fine not exceeding one hundred dollars, and costs. In default of payment, imprisonment in county jail for a period not to exceed ninety days. Each day or part thereof during which such violation continues shall constitute a separate offense. (Ord. 3197 §I(part), 1970; Prior code §7.22).

14.04.080 Damages--No claims. A. No person using water shall enter a claim against the city as a water utility or any officer thereof, for damages to any fixtures or appurtenance by reason of interrupted water supply or variation of pressure, or for damage of any nature caused by turning off or on, either partially or entirely, of the water supply for any premises, either for the repairs or alterations of any water main, or for the discontinuance of the service to his or their premises for violation of any rule or regulation of the water department. No claims will be allowed against the utility or the city on account of interruption of supply caused by breaking of pipes or by stoppage for repairs or fire or other emergency.

B. In case of a probable stoppage of water supply when time of interruption can be forecast, every reasonable attempt will be made by the water department to acquaint the users with the action proposed.

C. The utility shall not be liable for failure to locate the curb box and to shut off the water in case of a leak on the customer's premises. (Ord. 4423 §4, 1984; Ord. 3197 §I(part), 1970).

14.04.090 Sprinkling ban authorized. A. Whenever, in the judgment of the city manager or the city manager's designee, an emergency exists due to a shortage of available water supplies for fire-fighting and other municipal purposes, or which may be detrimental to the water system or may cause damages thereto, or which may result in certain areas of the city being deprived of water, the city manager or designated individual may declare a temporary ban upon the watering or sprinkling of lawns, trees, shrubs or other similar vegetation until adequate water supplies are restored. Such ban may include the regulation or prohibition of all such watering or sprinkling throughout the entire city or within designated parts of the city, the regulation or prohibition of such watering or sprinkling during specified hours or on alternate sides of streets on specified days, or may include other prohibitions or regulations reasonably related to the conservation of water during the emergency.

B. Such ban shall become effective upon giving actual notice thereof to any person, or upon the giving of notice thereof to the official city newspaper and other local news media and the printing, broadcast or transmission thereof by any or all of said news media to the public.

C. Exceptions to such sprinkling ban may be granted, upon application, by the city manager or designated individual, for properties having newly seeded or sodded lawns or newly planted vegetation, upon a finding that failure to grant such an exception would jeopardize such lawn or vegetation. Appropriate conditions or limitations may be included in the granting of such exception, in keeping with the purpose of this section, and the grantee shall comply with all such conditions and limitations.

D. Any person violating any provision of this section shall, upon conviction thereof, forfeit not more than fifty dollars, together with costs of prosecution. Each day during which a violation continues shall be considered to be a separate offense. (Ord. 3641, 1976).

14.04.100 Well abandonment and well operation permit. A. Purpose. This ordinance is adopted to protect public health, safety, and welfare, and to prevent contamination of groundwater by assuring that unused, unsafe, or noncomplying wells, or wells which may act as conduits for contamination of groundwater, or wells which may be illegally cross-connected to the municipal water system are properly maintained or abandoned.

B. Applicability. This ordinance applies to all wells located on premises served by the city of Eau Claire municipal water system.

C. Abandonment required. All wells on premises served by the municipal water system shall be properly abandoned in accordance with subsection E. of this ordinance no later than 90 days from the date of connection to the municipal water system, unless a valid well operation permit has been issued to the well owner by the city of Eau Claire under terms of subsection D. of this ordinance.

D. Well operation permit. Owners of wells on premises served by the municipal water system wishing to retain their wells for any use shall make application to the city clerk for a well operation permit for each well no later than 90 days after connection to the municipal water system. The city of Eau Claire shall only grant a permit to a well owner to operate a well for a period not to exceed five years if all conditions of this section are met. A well operation permit shall be issued or renewed after an application has been submitted verifying that the conditions of this section are met. The Eau Claire city-county health department, the city of Eau Claire, or its agent, shall conduct inspections and water quality tests, or require inspections and water quality tests to be conducted at the applicant's expense to obtain or verify information necessary for consideration of a permit application or renewal. The permit will expire on September 30th no later than five years from the date of issuance. The following conditions must be met for issuance or renewal of a well operation permit:

1. The well and pump installation shall meet the Standards for Existing Installations described in s. NR 812.42, Wisconsin Administrative Code.

2. The well and pump shall have a history of producing safe water evidenced by at least one coliform bacteria sample. In areas where the Department of Natural Resources has determined that groundwater aquifers are contaminated with substances other than bacteria, additional chemical tests may be required to document the safety of the water.

3. There shall be no cross-connections between the well's pump installation or distribution piping and the municipal water system.

4. The water from the private well shall not discharge into a drain leading directly to a public sewer utility unless properly metered and authorized by the sewer utility.

5. The private well shall have a functional pumping system.

6. The proposed use of the private well shall be justified as a reasonable addition to water provided by the municipal water system.

7. Payment of a fee as stated in the City of Eau Claire Fees and Licenses Schedule.

E. Abandonment procedures. All wells abandoned under the jurisdiction of this ordinance shall be done according to the procedures and methods of s. NR 812.26, Wisconsin Administrative Code. All debris, pumps, piping, unsealed liners, and any other obstructions which may interfere with sealing operations shall be removed prior to abandonment. The owner of the well or the owner's agent shall notify the Eau Claire city-county health department at least 48 hours in advance of any well abandonment activities. The abandonment of the well may be observed or verified by city of Eau Claire or Eau Claire city-county health department staff. An abandonment report form, supplied by the Department of Natural Resources, shall be submitted by the well owner to the Eau Claire city-county health department within 30 days of the completion of the well abandonment.

F. Penalties. Any well owner violating any provision of this ordinance shall, upon conviction, be punished by forfeiture of not less than $500, nor more than $1,000, plus the cost of prosecution. Each day of violation is a separate offense. If any person fails to comply with this ordinance after written notice of the violation is either mailed to or posted at the property, the municipality may impose a penalty hereunder, declare the property a public nuisance, and cause the well abandonment to be performed and the expense to be assessed as a special charge against the property. (Ord. 6848, 2008).

Chapter 14.08

CONNECTION AND INSTALLATION*

Sections:

14.08.010 Pipes and mains--Property of utility. The large pipes or mains which, in general, are laid in streets and alleys and distribute water throughout the city are the property of the utility and are maintained by the utility. No person except an authorized employee of the water department shall be permitted to operate any valves or hydrants in connection with the system, or to tap said main for connection purposes, except by permission of the superintendent of the department. Members of the fire department in discharge of their duties will use the hydrants. (Ord. 3179 §I(part), 1970; Prior code §7.03(a)).

14.08.020 State statutes adopted. Section 66.0701, et seq., Wisconsin Statutes, and acts amendatory thereto, relating to special assessments for laying of water mains is adopted and made a part of these regulations. (Ord. 6212 §2, 2001; Ord. 3179 §I(part), 1970; Prior code §7.03(b)).

14.08.030 Installation--Application. A. All applications for the installation of services for water must be made at the office of the water department prior to performance of work by the owner or a licensed plumber, who will be considered as the authorized agent of the owner.

B. The application shall state the ownership of the premises to be served, the legal description of the property, the street number, size or service and other pertinent data. (Ord. 3197 §I(part), 1970; Prior code §7.04(b)).

14.08.040 Installation--General. A. Services may be laid upon application of owner of premises by a licensed plumber, and the council may cause a service to be laid into every lot or parcel of land before the street is permanently improved. In the latter case, this improvement will be made and cost assessed against the property in accordance with Section 66.0701, et seq., Wisconsin Statutes, and acts amendatory thereto.

B. Water mains will be extended for new customers on the following basis:

1. Where the cost of the extension is to immediately be collected through assessment by the municipality against the abutting property, the procedure set forth under Section 66.0701, et seq. of the Wisconsin Statutes will apply, and no additional customer contribution to the utility will be required.

2. Where the municipality is unwilling or unable to make a special assessment, then extension will be made on a customer-financed basis as follows:

a. The applicant or applicants will advance as a contribution in aid of construction the

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* For statutory provisions authorizing cities to construct sewer systems, see WSA 62.18; for statutory provisions authorizing cities to acquire utilities, see WSA 197.

total amount equivalent to that which would have been assessed for all property under subdivision (1) of this subsection.

b. Part of the contribution required in paragraph (a) of this subdivision will be refundable. When additional customers are connected to the extended main within ten years of the date of completion, contributions in aid of construction will be collected equal to the amount which would have been assessed under subdivision (1) for the abutting property being served. This amount will be refunded to the original contributor or contributors. In no case will the contributions received from additional customers exceed the proportionate amount which would have been required under subdivision (1) nor will it exceed the total assessable cost of the original extension.

3. When a customer connects to a transmission main or connecting loop installed at utility expense within 10 years of the date of completion, there will be a contribution required of an amount equivalent to that which would have been assessed under section B1. (Ord. 7085 §2, 2001; Ord. 6212 §3, 2001; Ord. 3793 §1, 1977; Ord. 3197 §I(part), 1970; Prior code §7.04(b)).

14.08.050 Installation--Cost assessment. The expense of laying service pipes, and connecting such service pipes to the main shall be charged to and made a lien upon the real estate or premises served by such service pipes. In case it may be proved necessary to replace the service pipe with a larger service, this cost shall also be an expense against the property served. (Ord. 3197 §I(part), 1970; Prior code §7.04(a)).

14.08.060 Single premises service connections. Any permit given for water service shall require that not more than one premises be served by one connection. Whenever a service has to be replaced, or where permanent street improvements are authorized and conditions contrary to above rule exist, they shall be corrected. (Ord. 3197 §I(part), 1970; Prior code §7.04(d)).

14.08.065 Water service pipes--Depth. Water service pipes shall be installed at a depth of not less than seven and one-half feet, unless otherwise approved by the city engineer. (Ord. 7085 §3, 2014; Ord. 4173 §2, 1981).

14.08.070 Service alteration. No addition or alteration to service already laid shall be changed or added to, or meter moved without notification to the water department. (Ord. 3197 §I(part), 1970; Prior code §7.04(e)).

14.08.080 Discontinuance--Permanent or temporary. Whenever a building receiving water service is proposed to be razed or removed and the water superintendent finds that the property will not require water service after such razing and removal and within a reasonable period of time thereafter he shall require the permittee under the razing or removal permit to shut off water service to the property at the corporation shutoff at the main under Section 14.08.100, after first obtaining approval to do so under Section 14.08.100. Such requirement when made by the water superintendent shall be a condition of the razing or removal permit. (Ord. 3197 §I(part), 1970; Prior code §7.04(f)).

14.08.085 Vacation of premises. When premises are to be vacated, the utility shall be notified at once, so that it may remove the meter and shut off the supply at the curb stop. At the decision of the utility, the meter may or may not be removed from the premises.

The owner of the premises shall be liable to prosecution for any damage to the property of the water utility by reason of failure to notify the utility of vacancy.

When a tenant-customer vacates a premises, he or she shall notify the utility at least 10 working days prior to vacating. The tenant-customer must also notify the owner who is ultimately responsible for payment of all bills (Section 66.069 Wis. Statutes). (Ord. 4423 §5, 1984).

14.08.090 Repairs--Leaks and deteriorated connections. A. If a customer fails to repair a leaking or broken service pipe from the curb stop and/or property line to point of metering or use within 5 days after receiving notification from the water utility that his service requires repair, the water will be shut off and will not be turned on again until the repairs have been completed.

The water utility may disconnect without notice where a dangerous condition exists for as long as the condition exists.

B. In cases where the owner is ordered by the utility to replace or repair a damaged, deteriorated or malfunctioning service lateral and the owner fails to comply within 10 days of receiving notice, the utility may discontinue water service to his property, and the cost of such discontinuance shall be charged and assessed against said property. (Ord. 4423 §6, 1984; Ord. 3197 §I(part), 1970).

14.08.095 Repairs to mains. A. The utility reserves the right to shut off the water in the mains temporarily, to make repairs, alterations or additions to the plant or system. When circumstances will permit, the utility will give notification, by newspaper publication or otherwise, of the discontinuance of the supply.

B. No rebate will be allowed to customers for such temporary suspension of supply. Nor will any claims be allowed against the utility or the city for damages caused by the interruption of water supply, variation of pressure, or turning off or on (either partially or entirely) the water supply to any premises due to the use of water for fire-fighting or other emergency, the breaking of pipes or the repairs or alterations to the water plant or system. (Ord. 4423 §7, 1984).

14.08.100 Shutoff valves--Required--Maintenance. Each service lateral shall be controlled by a corporation shutoff at the main and, if the service is smaller than 3 inches, a curb shutoff at or near the curb is also required. These valves are under the sole and absolute control of the utility and must not be operated by others without permission of the utility, except that a plumber may turn on the water for testing purposes, but only with consent in each case. (Ord. 4423 §8, 1984; Ord. 3395 §II, 1970; Ord. 3197 §I(part), 1970).

14.08.105 Protective devices. A. In general. The owner or occupant of every premise receiving water supply shall apply and maintain suitable means of protection of the premise supply, and all appliances thereof, against damage arising in any manner from the use of the water supply, variation of water pressure, or any interruption of water supply. Particularly, such owner or occupant must protect water cooled compressors for refrigeration systems by means of high pressure safety cutout devices. There shall likewise be provided means for the prevention of the transmission of water ram or noise of operation of any valve or appliance through the piping of their own or adjacent premises.

B. Relief valves. On all "closed systems" (i.e., systems having a check valve, pressure regulator, or reducing valve, water filter or softener), an effective pressure relief valve shall be installed either in the top-tapping or the upper side tapping of the hot water tank, or on the hot water distributing pipe connection at the tank. No stop valve shall be placed between the hot water tank and the relief valve or on the drain pipe.

C. Air chambers. All water supply systems, water distribution systems and components connected thereto, subject to water hammer, shall be provided with approved shock absorbing devices located and sized to suppress water hammer. All appliances, devices, equipment, fixtures and appurtenances with quick closing valves or which may create water hammer, shall be provided with shock absorbing devices. When copper air chambers are used, the minimum size shall be ½" x 1" x 14".

The size and location of the mechanical suppressors shall be in accord with the hydraulic design of the piping system served and to the manufacturer's recommendations. All mechanical water hammer suppressors shall be accessible. (Ord. 4423 §9, 1984).

14.08.110 Stop and waste. All service connections shall be provided with an approved stop and waste where it enters the building, for use in draining the systems. All services shall have a shutoff valve on both sides of meter. All water meters two inches or more in diameter shall be provided with a suitable valved and sealed bypass, having a diameter or no less than one inch smaller than the service entrance, which can be utilized in the event of removal, repair or changing of such meter. (Ord. 3395 §III, 1973; Ord. 3197 §I(part), 1970).

14.08.115 Cross connections. A. No person shall establish or permit to be established or maintain or permit to be maintained any cross connection. No interconnection shall be established whereby potable water from a private, auxiliary or emergency water supply other than the regular public water supply of the city of Eau Claire may enter the supply or distribution system of said municipality, unless such private, auxiliary or emergency water supply and the method of connection and use of such supply has been approved by the city of Eau Claire water utility and by the Wisconsin Department of Natural Resources in accordance with s. NR 810.15, Wisconsin Administrative Code.

B. The utilities division of the city of Eau Claire shall cause inspections to be made of all properties served by the public water system where cross connections with the public water system are deemed possible. The frequency of inspections and reinspections, based on potential health hazards involved, shall be as established by the utilities division of the city of Eau Claire and as approved by the Wisconsin Department of Natural Resources. Public educational materials, when being provided in lieu of low hazard inspections, shall be provided to the customers at least every three (3) years, and with every cross connection survey. Residential and low risk commercial customers with meter sizes 5/8", 3/4", or 1" shall be inspected every ten (10) years. Residential and low risk commercial customers with meter sizes 1½" and 2" shall be inspected

every four (4) years. All high risk commercial, industrial and public authority customers shall be inspected every two (2) years. It shall be the responsibility of the high risk commercial, industrial and public authority property owner to have the inspection completed within the specified time.

C. Upon presentation of credentials, the representative of the utilites division shall have the right to request entry at any reasonable time to examine any property served by a connection to the public water system of the city of Eau Claire for cross connections. If entry is refused, such representative shall seek to obtain a special inspection warrant under s. 66.0119, Wisconsin Statutes. On request, the owner, lessee, or occupant of any property so served shall furnish to the city any pertinent information regarding the piping system or systems on such property.

D. The city of Eau Claire water utility is hereby authorized and directed to discontinue water service to any property wherein any connection in violation of this section exists, and to take such other precautionary measures deemed necessary to eliminate any danger of contamination of the public water system. Water service shall be discontinued only after reasonable notice and opportunity for hearing under Chapter 68, Wisconsin Statutes, except as provided in subsection E. Water service to such property shall not be restored until the cross connection or connections have been eliminated in compliance with the provisions of this section.

E. If it is determined by the city of Eau Claire water utility that a cross connection or an emergency endangers public health, safety, or welfare and requires immediate action, and a written finding to that effect is filed with the clerk of the city of Eau Claire and delivered to the customer's premises, service may be immediately discontinued. The customer shall have an opportunity for hearing under Chapter 68, Wisconsin Statutes, within 10 days of such emergency discontinuances.

F. That the city of Eau Claire adopts by reference the State Plumbing Code of Wisconsin being Chapters, SPS 382, 383, and 384, Wisconsin Administrative Code.

G. This section does not supersede, but is supplementary to, the State Plumbing Code and the city of Eau Claire plumbing ordinances contained in Title 14. (Ord. 7123, 2015; Ord. 6212 §4, 2001; Ord. 4716 §2, 1987; Ord. 4423 §10, 1984).

14.08.120 Street repairs. A. When services are laid on an improved street or highway, in addition to the regular charge the premises served shall pay the cost of repairing said opening in the street at rates established by the city council, and on file with the plumbing inspector.

B. Trenches in streets shall be refilled with earth and mechanically tamped in 12-inch lifts until the street grade is reached, and to the satisfaction of the utility. (Ord. 5903 §1, 1998; Ord. 4423 §11, 1984; Ord. 3197 §I(part), 1970).

14.08.130 Private fire protection. Private fire protection service laterals to supply water to sprinkler systems or private fire hydrants will be permitted only upon application of the owner after detailed plans showing sizes and location of all pipes, valves, hydrants and sprinkler heads have been filed with and approved by the superintendent. Owners and insurance inspectors may test private fire hydrants and apparatus in the presence of the superintendent or an inspector assigned for such purposes. No charge shall be made for water used for private charges for these services. (Ord. 4423 §12, 1984; Ord. 3197 §I(part), 1970).

14.08.140 Service outside corporate limits. A. In order to provide adequate fire protection for persons and property within the corporate limits of the city of Eau Claire and to ensure the public health and safety of the residents, and for conserving the available water supply, it is necessary to limit unincorporated areas served to those previously served, specifically:

1. 8 properties in the 2500 block of Paulina Street and;
2. 7 properties in the 2500 and 2600 blocks of Crescent Avenue;
3. Properties formerly part of the Washington Heights Sanitary District and located outside the City of Eau Claire, now part of the water utility of the City of Eau Claire, effective as of January 1, 1984, pursuant to Agreement of the Washington Heights Sanitary District and the water utility of the City of Eau Claire and Order of the State of Wisconsin Public Service Commission, dated October 27, 1983, copies of such documents being on file in the office of the city clerk and open to public inspection during normal business hours.

The foregoing shall apply to any other sites or locations already so served but not herein enumerated.

B. Although the city has heretofore provided service to the aforesaid areas and sites, such service shall not be construed as a holding out or an offer by the city to furnish water beyond its corporate limits.

The city reserves the right to further limit such areas, should such further action be necessary.

TITLE 4. PUBLIC WORKS AND UTILITIES

SECTION 4.1.02. ROAD CONSTRUCTION REGULATIONS

(1) New Road Construction requirements for streets and roads in plats and certified surveys:

(a) Maps. Three (3) copies of a scale drawing of the proposed road indicating location and showing relief of the area with two (2) foot contour elevations shall be submitted to the Village Board. Included in the drawing shall be the area that will be served by the road and the manner in which drainage from the area is to be treated. If the road is not dedicated as a public roadway in a plat, a deed to the roadway shall be tendered transferring title to the Village of Lake Hallie.

(b) Parks. All plats shall comply with the park requirements of the Village.

(c) Costs. The owner of the lands wherein the road is located shall be solely

(7) Fire Protection.

(a) Hydrants. Water hydrants shall be located in the Village of Lake Hallie to facilitate fire protections services. The hydrants shall be used with department approval or by the Department or by the Fire District in the exercise of their official responsibilities. Use of water by the Fire District shall be charged in accordance with the rates approved by the Public Service Commission.

(b) Laterals to private hydrants or fire suppression systems may be permitted upon application and approval by the Department. The applicant shall submit a plan indicating the location of the suppression fixtures.

(8) Private Well Abandonment.

(a) Section 1: Purpose

To protect public health, safety and welfare and to prevent contamination of groundwater by assuring that unused, unsafe or non-complying wells or wells which may act as conduits for contamination of groundwater or wells which may be illegally cross-connected to the municipal water system, are properly maintained or abandoned.

(b) Section 2: Applicability

This ordinance applies to all wells located on premises served by the Village of Lake Hallie municipal water system. Utility customers outside the jurisdiction of the municipal system may be required under contract agreement or utility rule to adopt and enforce equivalent ordinances within their jurisdictions for purpose stated in Section 1 above.

(c) Section 3: Definitions

1. “Municipal water systems” means a community water system owned by a city, village, county, town, town sanitary district, utility district, public inland lake and rehabilitation district, municipal water district or a federal, state, county, or municipal owned institution for congregate care of correction, or a privately owned water utility serving the foregoing.

2. “Non-complying” means a well or pump installation which does not comply with s. NR812.42, Wisconsin Administrative Code, Standards for Existing Installations, and which has not been granted a variance pursuant to s. NR 812.43, Wisconsin Administrative Code.

3. “Pump Installation” means the pump and related equipment used for withdrawing water from a well, including the discharge piping, the

underground connections, pit less adapters, pressure tanks, pits, sampling faucets and well seals or caps.

4. “Unsafe” well or pump installation means one which produces water which is bacteriologically contaminated or contaminated with substances which exceed the drinking water standards of chs. NR 140 or 809, Wisconsin Administrative Code, or for which a Health Advisory has been issued by the Department of Natural Resources.

5. “Unused” well or pump installation means one which is not used or does not have a functional pumping system.

6. “Well” means a drill hole or other excavation or opening deeper than it is wide that extends more than 10 feet below the ground surface constructed for the purpose of obtaining groundwater.

7. “Well abandonment” means the proper filling and sealing of a well according to the provisions of s. NR 812.26, Wisconsin Administrative Code.

8. “Served by” shall indicate the residents of the Village of Lake Hallie within the water system.

(d) Section 4: Abandonment Required

All wells on premises served by municipal water system shall be properly abandoned in accordance with Section 6 of this ordinance by the date of the adoption or no later than 90 days from the date of connection to the municipal water system, unless a valid well operation permit has been issued to the well owner by the Village of Lake Hallie under terms of Section 5 of this ordinance.

(e) Section 5: Well Operation Permit

Owners of wells on premises served by the municipal water system wishing to retain their wells for irrigation, or other outdoor activities shall make application for a well operation permit for each well no later than 90 days after connection to the municipal water system. The Village of Lake Hallie shall grant a permit to a well owner to operate a well for a period of 5 years providing all conditions of this section are met. A well operations permit may be renewed by submitting an application verifying that the conditions of this section are met. The Village of Lake Hallie or its agent, may conduct inspections and water quality tests or require inspections and water quality tests to be conducted at the applicant’s expense to obtain or verify information necessary for consideration of a permit application or renewal. Permit applications and renewals shall be made on forms provided by the Clerk. All initial and renewal applications must be accompanied by a fee. The permit fee has been paid in the amount as referred in section

1.4.06 of the Village of Lake Hallie Code of Ordinances.

The following conditions must be met for issuance or renewal of a well operation permit:

1. The well and pump installation shall meet the Standards for Existing Installations described in s. NR 812, Wisconsin Administrative Code.
2. The well and pump shall have a history of producing safe water evidenced by at least one safe sample taken prior to issuing or reissuing the permit to establish that the water is bacteriologically safe. In areas where the Department of Natural Resources has determined that groundwater aquifers are contaminated with substances other than bacteria, additional chemical tests may be required to document the safety of the water.
3. There shall be no cross-connections between the well's pump installation or distribution piping and the municipal water system.
4. The water from the private well shall not discharge into a drain leading directly to a public sewer utility unless properly metered and authorized by the sewer utility.
5. The well and pump system must be evaluated by a licensed well driller or pump installer and certified to comply with Ch. NR 812 subch. IV, prior to issuing the initial permit and no less than every ten years afterward.
6. The owner shall demonstrate that the proposed use of the private well is reasonable in lieu of water provided by the municipal water system.

(f) Section 6: Abandonment Procedures

1. All wells abandoned under the jurisdiction of this ordinance shall be done according to the procedures and methods of s. NR 812, Wisconsin Administrative Code. All debris, pumps, piping, unsealed liners and any other obstructions which may interfere with sealing operations shall be removed prior to abandonment.
2. The owner of the well, or the owner's agent shall notify the clerk at least 48 hours in advance of any well abandonment activities. The abandonment of the well may be observed or verified by personnel of the municipal system.
3. An abandonment report form, supplied by the Department of Natural Resources, shall be submitted by the well owner to the Clerk and Department of Natural Resources within 30 day s of the completion of the well abandonment.

(g) Section 7: Penalties

Any well owner violating any provision of this ordinance shall upon conviction be punished by forfeiture of not less than as referred to section 1.4.06 of the Village of Lake Hallie Code of Ordinances. Each day of violation is a separate offense. If any person fails to comply with this ordinance for more than 30 days after receiving written notice of the violation, the municipality may impose a penalty and cause the well abandonment to be performed and the expense to be assessed as a special tax against the property.

(9) Water Conservation.
Water Conservation shall pertain to services connected to the municipal water system.

(a) Outdoor irrigation season is from May 1st to September 30th.

(b) Hours of outdoor irrigation are between 5 am to 8 am and 6 pm to 10 pm.

(c) Residents whose address ends in even digit may irrigate on even number days and residents whose address ends in odd digit may irrigate on odd number days. Irrigation on July 31st and August 31st is prohibited.

(d) Exemptions:
a. Washing of vehicles.
b. Irrigation activities at cemeteries.
c. Irrigation of gardens, trees, and shrubs through use of a hand-held watering can or other hand-held container or hose, however, any such watering device must be utilized manually and cannot be left unattended.
d. Irrigation of new lawns for 20 days. A new lawn is when more than 50% of the lawn is being replaced.
e. Soaker hose to water trees or shrubs as long as the hose is within the tree/shrub's root area.

(e) Enforcement and Penalty.
a. Service of Notices. Whenever an employee or agent of the Village of Lake Hallie determines there has been a violation or that there are reasonable grounds to believe there has been a violation a written notice will be provided to the resident by affixing notice onto or close to the front door or handing a copy to the resident.
b. Referral to Police Department. If a violation of this section persists after one violation notice has been served, this matter may be referred to the Police Department. If the Police Department determines there is sufficient evidence to proceed, a citation may be issued. Each day a violation continues constitutes a separate offense.

c. Penalty. Any person subject to penalty under this section shall be penalized as provided in 1.4.02 of this code.
d. Suspension of Service. Water service may be suspend to a property in violation of this section if the following conditions exist:
    i. Six or more citations have been issued pursuant to 4.3.02(13)(c).
    ii. The violation interferes with the water service of others.
    iii. No heat advisory, heat warning or heat emergency has been issued by the National Weather Service.
    iv. Suspension would otherwise not be prohibited by any rule of the Public Service Commission, including but not limited to Wisconsin Administration Code PSC 185.37.

(10) Sprinkling Ban. The Village of Lake Hallie and the Department reserve the right to declare a temporary ban on lawn sprinkling for municipal water users only. This ban may be imposed when it is apparent; due to conditions of drought or extreme heat that a shortage of water may or does exist that may prevent or hinder water supplies for firefighting or other purposes. The Department, in its discretion, may grant exemptions. Owners may request exemptions from the ban on forms provided by the Department for extraordinary circumstances such as newly sodded lawns or newly seeded lawns.

a. Referral to Police Department. If a violation of this section persists after one violation notice has been served, this matter may be referred to the Police Department. If the Police Department determines there is sufficient evidence to proceed, a citation may be issued. Each day a violation continues constitutes a separate offense.

b. Penalty. Any person subject to penalty under this section shall be penalized as provided in 1.4.02 of this code.

c. Suspension of Service. Water service may be suspend to a property in violation of this section if the following conditions exist:

    v. Six or more citations have been issued pursuant to 4.3.02(13)(c).
    vi. The violation interferes with the water service of others.
    vii. No heat advisory, heat warning or heat emergency has been issued by the National Weather Service.
    viii. Suspension would otherwise not be prohibited by any rule of the Public Service Commission, including but not limited to Wisconsin Administration Cod PSC 185.37.

(11) Frozen Laterals.

(a) Frozen laterals from the curb stop to the home:

APPENDIX C

ENVIRONMENTAL PROTECTION ACCESS AGREEMENT AND DECLARATION OF RESTRICTIVE COVENANTS FOR THE MRDS CAP

DOCUMENT # 799803

Recorded
October 25, 2011 11:30 AM

Marge L Geissler

MARGE L. GEISSLER
REGISTER OF DEEDS
CHIPPEWA COUNTY, WI
Fee Amount: $30.00
Total Pages 16

ENVIRONMENTAL PROTECTION ACCESS AGREEMENT AND DECLARATION OF RESTRICTIVE COVENANTS

Document Number

Document Title

Recording Area

Name and Return Address:
Raymond Krueger, Esq.
Michael Best & Friedrich LLP
100 East Wisconsin Ave.
Suite 3300
Milwaukee, WI 53202

PIN:
22809-3440-00020000

State of Wisconsin
County of Chippewa

I hereby certify that this instrument is a true and correct copy of the document of record in my office. This document is 16 pages in length.

Date Oct. 26, 2011

By Marge L Geissler
Register of Deeds or Deputy

ENVIRONMENTAL PROTECTION ACCESS AGREEMENT AND DECLARATION OF RESTRICTIVE COVENANTS

1. This Environmental Protection Access Agreement and Declaration of Restrictive Covenants ("Declaration of Restrictive Covenants") is made this 29TH day of SEPTEMBER, 2011, by and between NATIONAL PRESTO INDUSTRIES, INC., 3925 North Hastings Way, Eau Claire, Wisconsin 54703 ("Grantor") and the WISCONSIN DEPARTMENT OF NATURAL RESOURCES ("Grantee"), having an address of 101 South Webster Street, Madison, Wisconsin 53703.

WITNESSETH:

2. WHEREAS, Grantor is the owner of a parcel of land located in the county of Chippewa, State of Wisconsin, more particularly described on **Exhibit A** attached hereto and made a part hereof (the "National Presto Property"); and

3. WHEREAS, the Grantor and Grantee intend that the provisions of this Declaration of Restrictive Covenants also be for the benefit of the United States, a third party beneficiary ("Third Party Beneficiary"); and

4. WHEREAS, a portion of the National Presto Property, referred to as the Melby Road Disposal Site, is part of the National Presto Industries Superfund Site ("Site"), which the U.S. Environmental Protection Agency ("EPA"), pursuant to Section 105 of the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), 42 U.S.C. § 9605, placed on the National Priorities List, set forth at 40 C.F.R. Part 300, Appendix B, by publication in the Federal Register on June 10, 1986, 51 Fed. Reg. 21054; and

5. WHEREAS, in a Record of Decision dated May 15, 1996 for the Third Operable Unit, ("OU3 ROD"), the EPA Region 5 Regional Administrator selected a "remedial action" for this operable unit at the Site, which provides, in part, for the following actions: soil vapor extraction, excavation of wastes from other hotspot areas on the National Presto Property and consolidation of them at the Melby Road Disposal Site, installation and maintenance of a multi-layer cap, long-term groundwater monitoring, and implementing institutional controls. These actions were to be performed on a designated area of the Site referred to as the Melby Road Disposal Site which is depicted on the attached **Exhibit B** "Soil Disposal & Deed Restriction Area" and legally defined as follows:

> A parcel of land being part of the Northwest Quarter of the Southwest Quarter, Section 35, Township 28 North, Range 9 West, City of Eau Claire, Chippewa County, Wisconsin bounded by a line described as follows:
>
> Commencing at the west one-quarter corner of said Section 35;
>
> Thence S01°08'13"E, on the west line of said section, 33.05 feet to a point on the southerly right-of-way line of Melby Street;

Thence S88°00'07"E, on said right-of-way line, 16.18 feet to the point of beginning;
Thence S88°00'07"E, continuing on said right-of-way line, 1152.20 feet;
Thence S01°00'18"W, 460.92 feet;
Thence N89°05'29"W, 1134.69 feet;
Thence N01°03'06"w, 483.11 feet to the point of beginning.

The above legally described portion of the National Presto Property depicted on the attached **Exhibit B** as "Soil Disposal & Deed Restriction Area" is herein referred to as the "Restricted Area."

6. WHEREAS, parts of the remedial action have been completed, including excavation of wastes from other hotspot areas on the National Presto Property and consolidation of them at the Melby Road Disposal Site, installation and maintenance of a multi-layer cap, and parts are ongoing, including soil vapor extraction and groundwater monitoring. One part has yet to be fully implemented (institutional controls). Under the OU3 ROD, the EPA required Grantor to impose on the Restricted Area a covenant limiting land use in the future development of the Restricted Area. That covenant is to run with the land for the purpose of protecting human health and the environment. The sole purpose for filing this Declaration of Restrictive Covenants is to meet the requirements of the OU3 ROD and as required by Grantee pursuant to its authority set forth in Wisconsin Statute 292.31. This Declaration of Restrictive Covenant shall run with the land and be binding upon the Grantor and all assigns and successors in interest, including, but not limited to, owners of an interest in fee simple, mortgagees, easement holders, or lessees, subject to amendment or termination as set forth herein. The Declaration of Restrictive Covenants has not been precipitated or required by any change in the use or condition of the land, but merely to fulfill the obligations under the OU3 Record of Decision in satisfaction of the requirements of the EPA and Grantee.

7. WHEREAS, the parties hereto have agreed 1) to grant Grantee and the United States a non-exclusive right of access to enter the Restricted Area for purposes described in Paragraph 14 herein; and 2) to impose on the Restricted Area use restrictions as covenants that will run with the land for the purpose of protecting human health and the environment; and

8. WHEREAS, Grantor wishes to cooperate fully with the Grantee and EPA in the implementation of all response actions at the Site.

NOW, THEREFORE:

9. Grant: Grantor, on behalf of itself, its successors and assigns, in consideration of the terms of the Administrative Order for Remedial Design/Remedial Action issued by the EPA pursuant to Section 106 of CERCLA, EPA Docket No. V-W-96-C-363, does hereby covenant and declare that the Restricted Area shall be subject to the restrictions on use set forth below, and does give, grant and convey to the Grantee, and its assign, with general warranties of title, 1) the right to enforce said use restrictions, and 2) a right of access of the nature and character, and for

purposes hereinafter set forth, with respect to the Restricted Area. The below use restrictions shall not apply to any other parts or portions of the National Presto Property.

10. Purpose: The purpose of this Declaration of Restrictive Covenants is to impose on the Restricted Area use restrictions as covenants that will run with the land, to grant to Grantee and the United States a non-exclusive right of access to the Restricted Area, and to protect human health and the environment by reducing the risk of exposure to contaminants in the Restricted Area. It is also the purpose of this instrument that the United States as Third Party Beneficiary shall have the right to enforce the terms of this instrument.

11. Third Party Beneficiary: Grantor on behalf of itself and its successors, transferees and assigns and the Grantee on behalf of themselves and their successors, transferees, and assigns hereby agree that the United States and its successors and assigns shall be the Third Party Beneficiary of all the benefits and rights conveyed to the Grantee under this instrument.

12. Restrictions on use: The following covenants, conditions, and restrictions apply to the use of the Restricted Area, run with the land for the benefit of the Grantee and the United States as Third Party Beneficiary and are binding upon the Grantor including its successors, transferees, assigns or other person acquiring an interest in the Restricted Area and their authorized agents, employees, or persons acting under their direction and control.

A. There shall be no installation of water wells on the Restricted Area and all existing wells in the Restricted Area that exist shall remain abandoned. Ground water underlying the Restricted Area shall not be extracted, consumed, or used in any way except for testing and monitoring ground water contamination levels in accordance with plans approved by the Grantee and the EPA and except for the operation of Extraction Well-1R and Extraction Well-2 as set forth on **Exhibit C**.

B. Grantor or any successors and assigns in interest shall provide connection to a municipal water supply in the event there is need for water service on the Restricted Area in the future.

C. The contaminants of concern in the soils on the Restricted Area include 1,1,1-trichloroethane and trichloroethylene in concentrations that likely exceed NR 720, Wis. Adm. Code, soil standards and/or pose a risk for groundwater impacts. Therefore, the Restricted Area may not be used or developed for a residential, commercial, agricultural or other non-industrial use, unless (at the time that the non-industrial use is proposed) an investigation is conducted, to determine the degree and extent of 1,1,1-trichloroethane and trichloroethylene contamination that remains on the Restricted Area, and remedial action is taken as necessary to meet all applicable non-industrial soil cleanup standards. If soil that remains on the Restricted Area where there is residual contamination is excavated in the future, the soil must be sampled and analyzed, may be considered solid or hazardous waste if residual contamination remains, and must be stored, treated and disposed in compliance with applicable statutes and rules.

D. The multi-layer cap compliant with NR660, Wis. Adm. Code that existed on the Restricted Area on the date that this restriction was signed forms a barrier that must be maintained in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. The required cap shall be maintained on the Restricted Area in the locations shown on the attached map, labeled **Exhibit B and identified as "Soil Disposal & Deed Restriction Area"** unless another barrier that provides an infiltration rate equivalent to the landfill cap design requirements in s. NR 504.07, Wis. Adm. Code (March 2003) is installed and maintained in its place. The existing cap, and any replacement barrier, shall be maintained on the Restricted Area in compliance with the "Melby Road Cap Maintenance Plan" dated October 22, 1998, that was submitted to EPA by National Presto Industries, Inc. A copy of the maintenance plan can be found in the office of the General Counsel for NPI. If soil that remains on the Restricted Area in the location or locations described above where there is residual contamination is excavated in the future, the soil must be sampled and analyzed, may be considered solid or hazardous waste if residual contamination remains and must be stored, treated and disposed in compliance with applicable statutes and rules.

E. In addition, the following activities are prohibited on any portion of the Restricted Area where the engineered cap is required, as shown on **Exhibit B and identified as "Soil Disposal & Deed Restriction Area"** unless prior written approval has been obtained from the Grantee or its successor or assign and EPA or its successor or assign: (1) Replacement with another barrier; (2) Excavating or grading of the land surface; (3) Filling on capped or paved areas other than for maintenance of the cap; (4) Plowing for agricultural cultivation; and (5) Construction or placement of a building or other structure.

F. Other Action Inconsistent with Remedial Action. The Grantor hereby agrees not to take any other action, and to refrain from using the Restricted Area in any manner, that would interfere with or adversely affect the implementation, integrity or protectiveness of the engineered cap on the Restricted Area.

13. Modification of restrictions: Any request for modification or rescission of this instrument shall be made to the WISCONSIN DEPARTMENT OF NATURAL RESOURCES ("WDNR") and the EPA at the address given below. This instrument may be modified or rescinded only with the written approval of the EPA Superfund Division Director and the Secretary of the WDNR. Grantor on behalf of its successors, transferees, assigns or other person acquiring an interest in the Restricted Area agrees to record any EPA approved and WDNR approved modification to or rescission of this Declaration of Restrictive Covenants with the appropriate Register of Deeds and a certified copy shall be returned to the EPA and the WDNR at the addresses listed below.

14. Environmental Protection Access: Grantor hereby grants to the Grantee and the United States and their respective employees, contractors, consultants and other invitees non-

exclusive unrestricted right of access to enter the Restricted Area upon presentation of identification credentials to Grantor, its successors, transferees and assigns for purposes of:

a) Implementing the response actions in the RODs;

b) Verifying any data or information submitted to EPA or WDNR;

c) Verifying that no action is being taken on the Restricted Area in violation of the terms of this instrument or of any Federal or state environmental laws or regulations;

d) Monitoring response actions on the Site and conducting investigations relating to contamination on or near the Site, including, without limitation, sampling of air, water, soils, sediments, and specifically, without limitation, obtaining split or duplicate samples;

e) Conducting periodic reviews of the engineered cap, including, but not limited to, reviews required by applicable statutes and/or regulations; and

f) Implementing additional or new institutional controls if EPA determines i) that such actions are necessary to protect the environment because either the original institutional controls have proven to be ineffective or because new institutional controls have been developed which will accomplish the purposes of the original institutional controls in a significantly more efficient or cost effective manner; and ii) that the additional or new institutional controls will not impose any significantly greater burden on the Grantor or unduly interfere with the then existing uses of the Restricted Area.

This right to access shall commence on the date of execution of this Declaration of Restrictive Covenants and shall end upon EPA's written acknowledgment of completion of remedial action and operation and maintenance at the Site. When practicable, Grantee and the United States shall provide notice to Grantor when accessing the Restricted Area.

15. Reserved rights of Grantor: Grantor hereby reserves unto itself, its successors, and assigns, all rights and privileges in and to the use of the Restricted Area which are not incompatible with the restrictions, rights, covenants and access rights granted herein.

16. EPA Entry, Access, and Response Authority: Nothing in this document shall limit or otherwise affect EPA's rights of entry and access or EPA's authority to take response actions under CERCLA, the NCP, or other federal law. The Grantor and Grantees consent to officers, employees, contractors, and authorized representatives of EPA entering and having access to the Restricted Area for the purposes described in paragraph 14, above.

17. No Public Access and Use: No right of access or use by the general public to any portion of the Restricted Area or the National Presto Property is conveyed by this instrument.

18. Notice requirement:

a) Grantor agrees to record this instrument in the usual manner with the appropriate Register of Deeds within 14 days of its execution by the Grantee and provide Grantee and EPA with certified true copies;

b) Grantor agrees to include in any instrument conveying any interest in any portion of the Restricted Area, including but not limited to deeds, leases and mortgages, a notice which is in substantially the following form:

NOTICE: THE INTEREST CONVEYED HEREBY IS SUBJECT TO AN ENVIRONMENTAL PROTECTION ACCESS AGREEMENT AND DECLARATION OF RESTRICTIVE COVENANTS, DATED Sept. 29, 2011 RECORDED IN THE PUBLIC LAND RECORDS ON _____, 2011, IN VOLUME _____, PAGE _____, IN FAVOR OF, AND ENFORCEABLE BY THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES AS GRANTEE AND THE UNITED STATES OF AMERICA AS THIRD PARTY BENEFICIARY.

Within thirty (30) days of the date any such instrument of conveyance is executed, Grantor must provide Grantee with a certified true copy of said instrument and, if it has been recorded in the public land records, its recording reference.

19. Administrative jurisdiction: The federal agency having administrative jurisdiction over the rights acquired by the United States by this instrument is the EPA. The WDNR has administrative jurisdiction over the rights WDNR acquired by this instrument.

20. Enforcement: The Grantee and the Third Party Beneficiary shall be entitled to enforce the terms of this instrument by resort to specific performance or legal process. All remedies available hereunder shall be in addition to any and all other remedies at law or in equity, including CERCLA. Enforcement of the terms of this instrument shall be at the discretion of the Grantee and/or the Third Party Beneficiary, and any forbearance, delay or omission to exercise its rights under this instrument in the event of a breach of any term of this instrument shall not be deemed to be a waiver by the Grantee or the Third Party Beneficiary of such term or of any subsequent breach of the same or any other term, or of any of the rights of the Grantee or the Third Party Beneficiary under this instrument.

21. Damages: Grantee and Third Party Beneficiary shall be entitled to recover damages for violation of the terms of this instrument.

22. Waiver of certain defenses: Grantor hereby waives any defense of laches, estoppel, or prescription.

23. Covenants: Grantor hereby covenants to and with the Grantee and the United States and its assigns, that the Grantor is lawfully seized in fee simple owner of the Restricted Area, that the Grantor has a good and lawful right and power to grant access to enter the Restricted Area and to impose use restrictions on the Restricted Area, that the Restricted Area is free and clear of encumbrances, except as noted on **Exhibit D** attached hereto, and that the Grantor will forever warrant and defend the title thereto and the quiet possession thereof.

24. Notices: Any notice, demand, request, consent, approval, or communication that either party desires or is required to give to the other shall be in writing and shall either be served personally or sent by first class mail, postage prepaid, addressed as follows:

To Grantor:

National Presto Industries, Inc
Corporate Secretary and General Counsel
3925 North Hastings Way
Eau Claire WI 54703

To Grantee:

Wisconsin Dept. of Natural Resources
Bureau of Remediation and Redevelopment
101 South Webster Street
Madison, WI 53703

To Third Party Beneficiary:

U.S. EPA - Region 5
77 West Jackson Boulevard
Chicago, IL 60604

25. General provisions:

a) Controlling law: The interpretation and performance of this instrument shall be governed by the laws of the United States or, if there are no applicable federal laws, by Wisconsin law.

b) Liberal construction: Any general rule of construction to the contrary notwithstanding, this instrument shall be liberally construed in favor of the grant to effect the purpose of this entire instrument. If any provision of this instrument is found to be ambiguous, an interpretation consistent with the purpose of this instrument that would render the provision valid shall be favored over any interpretation that would render it invalid.

c) Severability: If any provision of this instrument, or the application of it to any person or circumstance, is found to be invalid, the remainder of the provisions of this instrument, or the application of such provisions to persons or circumstances other than those to which it is found to be invalid, as the case may be, shall not be affected thereby.

d) Entire Agreement: This instrument sets forth the entire agreement of the parties with respect to rights and restrictions created hereby, and supersedes all prior discussions, negotiations, understandings, or agreements relating thereto, all of which are merged herein.

e) No Forfeiture: Nothing contained herein will result in a forfeiture or reversion of Grantor's title in any respect.

f) Successors: The covenants, terms, conditions, and restrictions of this instrument shall be binding upon, and inure to the benefit of the parties hereto and their respective personal representatives, heirs, successors, and assigns and shall continue as a servitude running with the Restricted Area. The term "Grantor", wherever used herein, and any pronouns used in place thereof, shall include the persons and/or entities named at the beginning of this document, identified as "Grantor" and its personal representatives, heirs, successors, and assigns. The term "Grantee", wherever used herein, and any pronouns used in place thereof, shall include the persons and/or entities named at the beginning of this document, identified as "Grantee" and its personal representatives, heirs, successors, and assigns. The rights of the Grantee and Grantor under this instrument are freely assignable, subject to the notice provisions hereof.

g) Termination of Rights and Obligations: A party's rights and obligations under this instrument terminate upon transfer of the party's interest in the Restricted Area, except that liability for acts or omissions occurring prior to transfer shall survive transfer.

h) Captions: The captions in this instrument have been inserted solely for convenience of reference and are not a part of this instrument and shall have no effect upon construction or interpretation.

i) Counterparts: The parties may execute this instrument in two or more counterparts, which shall, in the aggregate, be signed by both parties; each counterpart shall be deemed an original instrument as against any party who has signed it. In the event of any disparity between the counterparts produced, the recorded counterpart shall be controlling.

TO HAVE AND TO HOLD unto the Wisconsin Department of Natural Resources and its assigns forever.

IN WITNESS WHEREOF, Grantor has caused this Agreement to be signed in its name.

Executed this 19TH day of September, 2011.

NATIONAL PRESTO INDUSTRIES, INC.

By: _____

Its: President

STATE OF WISCONSIN)
) ss
COUNTY OF CHIPPEWA)

On this 19th day of Sept., 2011, before me, the undersigned, a Notary Public in and for the State of Wisconsin, duly commissioned and sworn, personally appeared Maryjo Cohen, known to be the President of National Presto Industries, the corporation that executed the foregoing instrument, and acknowledged the said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that they are authorized to execute said instrument.

Witness my hand and official seal hereto affixed the day and year written above.

Colleen J Leahy
NOTARY PUBLIC
STATE OF WISCONSIN

Notary Public in and for the
State of Wisconsin

My Commission Expires: 12/9/12

This Environmental Protection Access Agreement and Declaration of Restrictive Covenants are accepted this 29th day of SEPTEMBER, 2011.

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES

By: _____
Cathy Stepp
Secretary

On this 29th day of SEPT, 2011, before me, the undersigned, a Notary Public in and for the State of Wisconsin, duly commissioned and sworn, personally appeared Cathy Stepp, known to be the Secretary of the Wisconsin Department of Natural Resources, the entity that accepted the grant of rights mentioned in the foregoing instrument.

Witness my hand and official seal hereto affixed the day and year written above.

_____
Notary Public in and for the
State of WISCONSIN
DANE COUNTY
My Commission ~~Expires:~~ is permanent.
KRISTIN A. HESS

Attachments:

Exhibit A	-	Legal description of the National Presto Property
Exhibit B	-	Identification of Restricted Area to which Restrictive Covenants Apply
Exhibit C	-	Identification of existing uses of the Restricted Area
Exhibit D	-	List of permitted title encumbrances

EXHIBIT A
LEGAL DESCRIPTION OF NATIONAL PRESTO PROPERTY

The NW ¼ of the SW ¼ Section 35, T28N, R9W, City of Eau Claire, Chippewa County, Wisconsin

EXHIBIT B
DEPICTION OF THE RESTRICTED AREA

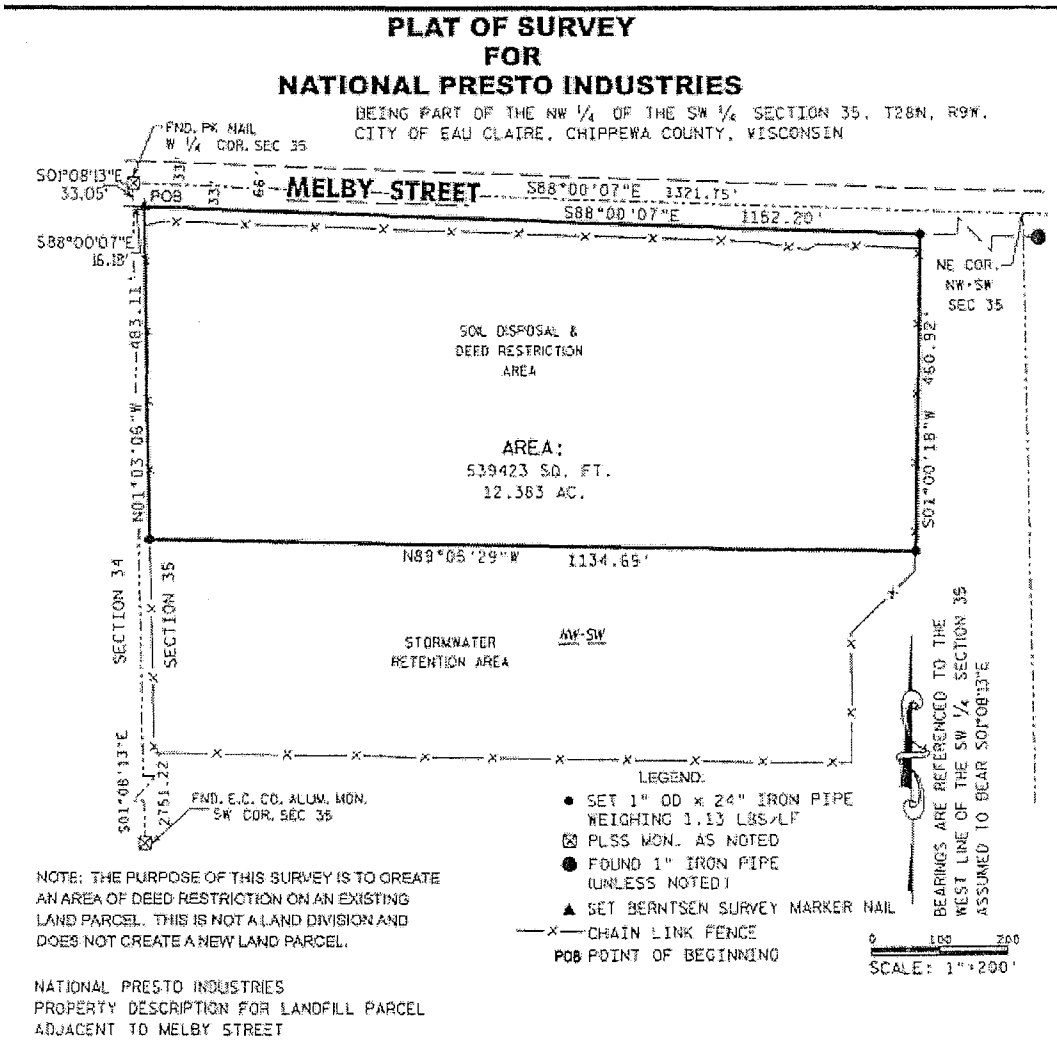


EXHIBIT C
IDENTIFICATION OF EXISTING USES OF THE RESTRICTED AREA

Extraction Well-1R and Extraction Well-2, located inside the fenced Restricted Area immediately adjacent to the cap, are existing extraction wells that will be maintained and available for use as necessary for remediation purposes and as required by Grantor, its successors, transferees and assigns and Grantee and/or Third Party Beneficiary, their respective successors, transferees and assigns.

EXHIBIT D
LIST OF PERMITTED TITLE ENCUMBRANCES ON THE RESTRICTED AREA

1. Easement right/lease granted by August Muskat and Mary Muskat to Wisconsin Telephone Company, recorded May 31, 1907, in the Chippewa County Register of Deeds office, Volume 8, Miscellaneous Page 420.

2. Easement right granted by August Muskat and Mary Muskat to Wisconsin Telephone Company, recorded March 1, 1916, in the Chippewa County Register of Deeds office, Volume 111 Deeds, Page 325.

3. Unilateral Administrative Order issued by the Untied States Environmental Protective Agency to National Presto Industries, Inc. and National Defense Corporation and recorded in the Chippewa County Register of Deeds office at Volume 683 of Records, Page 292-337.

APPENDIX D

WISCONSIN REMEDIATION AND REDEVELOPMENT DATABASE INFORMATION ON NPI

Wisconsin Department of Natural Resources

Environmental Cleanup & Brownfields Redevelopment

BRRTS on the Web

Click the Location Name below to view the Location Details page for this Activity. Other Activities, if present, may be viewed from that page.

Basic Search >> 02-09-000267 Activity Details

CONTINUING OBLIGATIONS APPLY

Due to remaining contamination, continuing obligations apply to one or more properties. For information specific to the continuing obligations, review the Continuing Obligations Packet (PDF) (formerly GIS Registry Packet) linked in the Actions section below. Prior to constructing or reconstructing a water supply well, you need to contact DNR for approval of well construction specifications.

02-09-000267 NATIONAL PRESTO (SF NPL)

OPEN ERP

Location Name (Click Location Name to View Location Details)				County	WDNR Region
NATIONAL PRESTO INDUSTRIES INC				CHIPPEWA	WEST CNTRL
Address				Municipality	
3925 N HASTINGS WAY				EAU CLAIRE	
PLSS Description			Latitude	Google Maps	RR Sites Map
NE 1/4 of the SE 1/4 of Sec 34, T28N, R09W			44.8611165	CLICK TO VIEW	CLICK TO VIEW
Additional Location Description			Longitude	Facility ID	Size (Acres)
			-91.4521137	609038320	UNKNOWN
Jurisdiction	PECFA No.	EPA Cerclis ID	Start Date	End Date	Last Action
DNR RR		WID006196174	1980-01-01		2019-07-09

Characteristics

PECFA Tracked?	EPA NPL Site?	Eligible for PECFA Funds?	Above Ground Storage Tank?	Drycleaner?	Co-Contamination?	Continuing Obligations Apply?
No	Yes	No	No	No	No	Yes

Actions

Place Cursor Over Action Code to View Description

Date	Code	Name	Comment
1980-01-01	1	Notification of Hazardous Substance Discharge	
1980-01-01	301	Superfund NPL, NPL Proposed or SF Alternative Approach Site	301 DATE BASED ON FINAL NPL LISTING DATE
1983-12-01	350	Superfund Site Assessment Preliminary Assessment (PA)	
1988-03-31	315	Superfund: ROD	PROVIDED FOR CONTINUED OPERATION OF A 2-COLUMN AIR STRIPPER CONST BY USEPA AT EAL CLAIRE MUNIC
1990-08-01	315	Superfund: ROD	SELECTED PERMANENT ALTERNATIVE DRINKING WATER SUPPLY FOR IMPACTED PRIVATE WATER SUPPLY
1991-03-01	317	Superfund: Remedial Design Federal Unilateral Order	REQUIRED NPI AND NATIONAL DEFENSE CORP TO IMPLEMENT ROD
1991-09-01	315	Superfund: ROD	

			PREVENT OFF-SITE MIGRATION OF CONT PLUMS VIA INSTALL OF GW EXTRACT WELLS AND 2 CASCADE AERAT
1992-07-02	149	Remedial Action Design Report Approved	
1992-07-02	317	Superfund: Remedial Design Federal Unilateral Order	REQUIRED NPI & NATIONAL DEFENSE CORP TO IMPLEMENT ROD
1993-10-14	316	Superfund: Remedial Design Federal Consent Order	PERFORMANCE OF TIME-CRITICAL AND NON-TIME CRITICAL ONSITE REMOVAL ACTIVITIES
1999-04-25	99	Miscellaneous	QUARTERLY DMR
2000-05-03	170	Registry of Waste Disposal Site Screening Completed	
2001-02-16	99	Miscellaneous	PLEASE REFER TO EPA FACTSHEET AT http://www.epa.gov/R5Super/npl/wisconsin/WID006196174.htm
2001-07-27	43	Site Activity Status Update Received	PROGRESS REPORT FOR JUNE 2001
2001-08-03	92	Operation & Maintenance (O & M) Report Received (non-Fee)	SVE STATUS REPORT
2001-08-08	99	Miscellaneous	NPI RESPONSE TO EPA COMMENTS ON 1999 ANNUAL REPORT
2001-08-09	99	Miscellaneous	APPROVAL OF LAGOON #2 EXCAVATION AND FOLLOW-UP SAMPLING PROPOSAL
2001-08-17	99	Miscellaneous	SAMPLING RESULTS FROM EXCAVATION WORK ADJACENT TO LAGOON #1
2001-08-20	99	Miscellaneous	DNR INSPECTION OF EXCAVATION WORK NORTH OF LAGOON #1
2001-08-24	43	Site Activity Status Update Received	PROGRESS REPORT FOR JULY
2001-08-28	99	Miscellaneous	REQUEST FROM HASELWANDER COMPANIES, INC. TO HAVE WW-1 ABANDONED
2001-09-10	99	Miscellaneous	DNR FAX TO GREG HASELWANDER THAT PRESTO WILL ABANDON WW-1
2001-09-19	99	Miscellaneous	FAX DOCUMENTING 12-23-91 DECISION BY DNR WHY FORGE COMPOUND IS NOT A HAZARDOUS WASTE
2001-09-20	43	Site Activity Status Update Received	PROGRESS REPORT 4. AUGUST.
2001-10-18	99	Miscellaneous	WELL ABANDONMENT FORM FOR WW-1
2001-10-19	99	Miscellaneous	MONTHLY PROGRESS REPORT
2001-11-16	99	Miscellaneous	LOAD DOCK SOIL SAMPLING
2001-11-21	99	Miscellaneous	MRDS. SITE VISIT.
2001-11-29	43	Site Activity Status Update Received	RPT #112 FOR ON-SITE GW
2001-11-30	43	Site Activity Status Update Received	RPT #61 FOR MRDS SVE
2001-12-12	99	Miscellaneous	EPA CONCUR WITH CONTAINED OUT DETERMINATION
2001-12-12	99	Miscellaneous	COMMENTS TO EPA
2001-12-12	99	Miscellaneous	SOIL SAMPLE RESULTS RECEIVED
2001-12-12	43	Site Activity Status Update Received	RPT #113 FOR ON-SITE GW
2001-12-13	43	Site Activity Status Update Received	RPT #62 FOR MRDS SVE
2001-12-18	99	Miscellaneous	DNR CONCUR WITH CONTAINED OUT DETERMINATION
2002-01-10	43	Site Activity Status Update Received	GW STATUS
2002-01-11	43	Site Activity Status Update Received	SVE STATUS
2002-02-01	43	Site Activity Status Update Received	4 Q 01 DMR
2002-02-07	43	Site Activity Status Update Received	RPT #64 FOR SVE

2002-02-08	43	Site Activity Status Update Received	RPT #115 FOR GWE
2002-03-04	99	Miscellaneous	MTG WITH RP, EPA CONSULTANT
2002-03-11	99	Miscellaneous	GW SAMPLING METHOD APPROVED
2002-03-20	43	Site Activity Status Update Received	RPT #116 ON GWE
2002-03-21	43	Site Activity Status Update Received	RPT #65 ON SVE AT MRDS
2002-04-05	35	Site Investigation Workplan (SIWP) Received (non-fee)	WORK PLAN FOR SAMPLES NEAR MW-34 AND MW-70
2002-04-23	43	Site Activity Status Update Received	RPT #117 ON GWE
2002-04-24	99	Miscellaneous	REQUEST TO DISCONTINUE WET TEST
2002-04-24	43	Site Activity Status Update Received	RPT #66 ON SVE
2002-05-16	43	Site Activity Status Update Received	PROGRESS RPT #67 SVE AND #118 GWE RECEIVED
2002-06-19	43	Site Activity Status Update Received	GWE PROGRESS REPORT 119
2002-06-20	43	Site Activity Status Update Received	VE PROGRESS REPORT NO. 68
2002-07-01	99	Miscellaneous	MEET WITH NPI. INSPECT SITE.
2002-07-02	99	Miscellaneous	MEET WITH NPI. INSPECT SITE & ECMWF.
2002-07-05	99	Miscellaneous	COMMENTS TO EPA ON ANNUAL GW REPORT & FUTURE REPORT REQUIREMENTS
2002-07-08	99	Miscellaneous	MW INSPECTION
2002-07-11	99	Miscellaneous	COMMENTS TO EPA ON WORK PLAN TO INVESTIGATE SW CORNER
2002-07-12	43	Site Activity Status Update Received	PROGRESS RPTS #120 GWE & #69 ON SVE RECEIVED
2002-07-15	99	Miscellaneous	QRTLY DMR
2002-08-14	43	Site Activity Status Update Received	PROGRESS RPT #121 ON GW P&T RECEIVED
2002-09-02	99	Miscellaneous	DNR COMMENTS ON SW CORNER SAMPLE PLAN TO G-F
2002-09-04	99	Miscellaneous	DRAFT 5 YR REPORT RECEIVED
2002-09-09	99	Miscellaneous	DNR COMMENTS ON 5 YR REPORT
2002-10-03	43	Site Activity Status Update Received	PROGRESS REPORT #70 ON GW P & T RECEIVED
2002-10-04	43	Site Activity Status Update Received	PROGRESS REPORT #122 ON GW P & T RECEIVED
2002-10-08	43	Site Activity Status Update Received	PROGRESS REPORT #123 ON GW P & T RECEIVED
2002-10-09	43	Site Activity Status Update Received	PROGRESS REPORT #72 ON SVE RECEIVED
2002-10-10	99	Miscellaneous	QRTLY DMR
2002-10-22	99	Miscellaneous	EPA AND DNR COMMENTS ON WORK PLAN
2002-10-22	99	Miscellaneous	EFFLUENT TOX. TESTING NO LONGER REQUIRED
2002-12-03	43	Site Activity Status Update Received	RPT #73 SVE AND RPT #124 P & T
2002-12-30	43	Site Activity Status Update Received	RPT #74 SVE AND RPT #125 P & T
2003-01-16	43	Site Activity Status Update Received	RPT #126 GWE AND RPT #75 SVE
2003-02-13	99	Miscellaneous	RECEIVED REPORT 127 - P&T, 76 - VE
2003-03-07	99	Miscellaneous	EPA/DNR/RP MTG
2003-03-31	43	Site Activity Status Update Received	RPT #128 GW P & T; RPT #77 SVE.
2003-04-16	99	Miscellaneous	DMR 1ST QRT 2003 RECEIVED

2003-04-17	43	Site Activity Status Update Received	SVE RPT #78; GWE RPT #129
2003-06-13	99	Miscellaneous	MW 34-70 INV'N WP APPROVED
2003-06-16	43	Site Activity Status Update Received	RPT #131 GW P&T AND #80 SVE RECEIVED
2003-07-08	99	Miscellaneous	DMR RECEIVED
2003-07-10	99	Miscellaneous	RPT #132 - GW P&T & #81 - SVE RECEIVED
2003-07-16	99	Miscellaneous	SITE VISIT - CONST'N OF NEW WELLS
2003-07-20	99	Miscellaneous	SVE @ SW CORNER - WORK PLAN
2003-07-30	99	Miscellaneous	COMMENTS TO EPA
2003-08-14	99	Miscellaneous	GW P&T RPT #133 & SVE RPT #82 RECEIVED
2003-10-03	43	Site Activity Status Update Received	RPTS #134 - GW P & T AND 83 - SVE RECEIVED
2003-10-21	43	Site Activity Status Update Received	RPTS #135 - GW P & T AND 84 - SVE RECEIVED
2003-11-10	43	Site Activity Status Update Received	RPT #136 GW P&T; RPT #85 SVE
2003-12-11	43	Site Activity Status Update Received	GWE RPT #137 AND SVE RPT #86 RECEIVED
2004-01-13	43	Site Activity Status Update Received	GWE RPT #138 AND SVE RPT #87
2004-02-06	99	Miscellaneous	PROPOSED MOD'N TO SAMPLING
2004-03-04	43	Site Activity Status Update Received	GWE & #89 SVE
2004-04-05	43	Site Activity Status Update Received	REPORT #141 ON GWE & REPORT #90 ON SVE
2004-04-07	99	Miscellaneous	QRTLY DMR SUBMITTED
2004-05-05	43	Site Activity Status Update Received	RPT #142 GW-P&T; RPT #91 SVE
2004-05-18	99	Miscellaneous	REQUEST TO REDUCE SAMPLING AT GW DISCHARGE
2004-06-07	43	Site Activity Status Update Received	RPT #143 GW P & T AND RPT #92 SVE
2004-07-12	43	Site Activity Status Update Received	RPT #144 GW P & T AND RPT #93 SVE RECEIVED
2004-08-09	99	Miscellaneous	SW CORNER SVE UPGRADED
2004-08-20	43	Site Activity Status Update Received	RPT #145 ON GW P & T AND RPT #94 ON SVE RECEIVED
2004-09-01	43	Site Activity Status Update Received	STATUS REPORT ON 2003
2004-09-17	43	Site Activity Status Update Received	RPT #146 GW P&T AND RPT #95 SVE RECEIVED
2004-10-11	99	Miscellaneous	DMR RECEIVED
2004-10-11	43	Site Activity Status Update Received	RPT #147 GW P&T; RPT #96 SVE
2004-11-11	43	Site Activity Status Update Received	GWE RPT #148 AND SVE RPT #97
2004-12-21	43	Site Activity Status Update Received	GWE RPT #149, SVE RPT #98
2005-01-11	43	Site Activity Status Update Received	GWE RPT #150 AND SVE RPT #99
2005-01-11	99	Miscellaneous	QTLY & AN DISCH MONITORING REPORTS
2005-02-07	43	Site Activity Status Update Received	GW P&T RPT #151, SVE RPT #100
2005-02-11	99	Miscellaneous	SITE VISIT, MEET WITH CONSULTANT
2005-03-03	99	Miscellaneous	MODIFICATION OF WPDES REQUIREMENTS
2005-03-14	43	Site Activity Status Update Received	GW P&T RPT #152, VE RPT #101
2005-04-11	99	Miscellaneous	GWE RPT #153, SVE RPT #102, 1/4 DNR

2005-05-13	43	Site Activity Status Update Received	RPT #154 ON GWE, RPT #103 ON SVE
2005-06-07	43	Site Activity Status Update Received	ANNUAL INTERIM RA REPORT
2005-06-10	43	Site Activity Status Update Received	MW-34/70 AREA SVE STATUS AND RECOMMENDATIONS
2005-06-20	43	Site Activity Status Update Received	GW RPT #155, SVE RPT #104
2005-08-15	43	Site Activity Status Update Received	GWE RPT #157 AND SVE RPT #106
2005-09-15	43	Site Activity Status Update Received	GWE RPT #158, SVE RPT #107 RECEIVED
2005-10-10	99	Miscellaneous	SVE RPT #108. GW RPT #159. DMR RECEIVED.
2005-11-10	43	Site Activity Status Update Received	GWE REPORT #160; SVE REPORT #109 RECEIVED
2005-12-12	43	Site Activity Status Update Received	GWP & T REPORT #161, SVE REPORT #110
2006-01-17	43	Site Activity Status Update Received	NPI/GW P & T REPORT 162, & SVE REPORT 111 RECEIVED.
2006-02-16	43	Site Activity Status Update Received	GW RPT #163 & SVE RPT #112 REC'D
2006-03-09	43	Site Activity Status Update Received	GW REPORT #164 & SVE REPORT #113 REC'D.
2006-03-10	43	Site Activity Status Update Received	MW 34-70 AREA SVE REPORT REC'D.
2006-03-13	99	Miscellaneous	EPA COMMENTS ON 2003 & 2004 REPORTS & RECOMMENDATIONS.
2006-04-06	43	Site Activity Status Update Received	WPI/GW P&T REPORT #165 & SVE REPORT #114
2006-04-27	99	Miscellaneous	WPI / DMR REPORT
2006-05-05	43	Site Activity Status Update Received	GW P&T REPORT #166 & SVE REPORT #115
2006-06-14	43	Site Activity Status Update Received	GW P&T REPORT #167 & SVE REPORT #116 REC'D
2006-07-10	43	Site Activity Status Update Received	GW P&T REPORT 168, SVE REPORT
2006-07-10	99	Miscellaneous	DMR #117
2006-08-14	43	Site Activity Status Update Received	GW P&T RPT #169 & SVE RPT #118 REC'D
2006-09-08	43	Site Activity Status Update Received	GW REPORT #170; SVE REPORT #119
2006-10-05	43	Site Activity Status Update Received	GWE REPORT #171 & SVE REPORT #120
2006-10-10	99	Miscellaneous	QARTERLY DMR
2006-11-17	43	Site Activity Status Update Received	GW P&T REPORT #172 & SVE REPORT #121 REC'D.
2006-12-07	43	Site Activity Status Update Received	GWE REPORT #173 & SVE REPORT #122.
2007-01-19	99	Miscellaneous	QUARTERLY & ANNUAL DMR'S REC'D.
2007-02-09	43	Site Activity Status Update Received	GW P&T REPORT #175 & SVE REPORT #124 REC'D.
2007-03-15	43	Site Activity Status Update Received	GW P&T REPORT #176 & SVE REPORT #125 REC'D.
2007-03-29	43	Site Activity Status Update Received	ANNUAL REPORT FOR 2006 REC'D.
2007-04-23	43	Site Activity Status Update Received	MRDS STATUS REPORT 7, 2002-06.
2007-04-23	43	Site Activity Status Update Received	GW P&T REPORT #177 & SVE REPORT #126 REC'D.

2007-04-26	99	Miscellaneous	QUARTERLY DMR REC'D.
2007-05-11	43	Site Activity Status Update Received	GW P&T REPORT #178, SVE REPORT #127
2007-06-07	43	Site Activity Status Update Received	GW P&T REPORT #179, SVE REPORT #128
2007-07-05	43	Site Activity Status Update Received	GWE RPT #180, SVE RPT #129
2007-07-06	99	Miscellaneous	QRTLY DMR
2007-07-10	99	Miscellaneous	QRTLY DMR
2007-08-08	43	Site Activity Status Update Received	GW P&T REPORT #181 & SVE REPORT #130
2007-09-18	99	Miscellaneous	FIVE YEAR REVIEW REPORT SIGNED.
2007-09-18	326	Superfund Five Year Review Report Signed	REPORT SIGNED.
2007-10-01	43	Site Activity Status Update Received	GWE RPT #182, SVE RPT #131 REC'D.
2007-10-11	43	Site Activity Status Update Received	GWE RPT #183, SVE RPT #132
2007-10-29	99	Miscellaneous	QTRLY DMR
2007-11-26	43	Site Activity Status Update Received	GW P&T REPORT #184, SVE REPORT #133
2007-12-20	43	Site Activity Status Update Received	GWE RPT #185, SVE RPT #134
2008-01-11	43	Site Activity Status Update Received	GW P&T REPORT #186, SVE REPORT #135 REC'D.
2008-02-08	43	Site Activity Status Update Received	GWE RPT #187, SVE RPT #136
2008-03-07	43	Site Activity Status Update Received	GW P&T REPORT #188, SVE REPORT #137 REC'D.
2008-03-12	99	Miscellaneous	WASTE WATER REPORTING PROCEDURE MODIFIED.
2008-03-27	43	Site Activity Status Update Received	SVE REPORT #8 DEC 06-DEC 07.
2008-04-11	43	Site Activity Status Update Received	GW P&T REPORT #189, SVE REPORT #138 REC'D.
2008-04-11	99	Miscellaneous	QTRLY DMR REC'D.
2008-05-09	43	Site Activity Status Update Received	GW P&T REPORT #190 & SVE REPORT #139 REC'D.
2008-06-11	43	Site Activity Status Update Received	GW REPORT #191, SVE REPORT #140.
2008-07-17	43	Site Activity Status Update Received	SVE REPORT #141, GWE REPORT #192
2008-07-28	99	Miscellaneous	QRTLY DMR
2008-07-31	99	Miscellaneous	CORRESPONDENCE REGARDING PROPOSED PDB SAMPLING.
2008-08-15	43	Site Activity Status Update Received	GW RPT #193, SVE RPT #142
2008-09-05	99	Miscellaneous	REVIEW & COMMENTS ON SVE REPORT #8 TO EPA.
2008-09-12	43	Site Activity Status Update Received	GW RPT #194 & SVE RPT #143
2008-10-06	43	Site Activity Status Update Received	GW REPORT #195 & SVE RPT #144
2008-10-15	99	Miscellaneous	QUARTERLY DMR
2008-11-07	43	Site Activity Status Update Received	GWE REPORT #196 & SVE REPORT #145
2008-12-10	43	Site Activity Status Update Received	SVE REPORT #146 & GWE REPORT #197
2009-01-28	99	Miscellaneous	TWO DAY MEETING WITH EPA 1/28 & 1/29, 2009.
2009-02-05	43	Site Activity Status Update Received	GWE REPORT #199, SVE REPORT #148

2009-03-17	99	Miscellaneous	MEETING & SITE VISIT W/EPA & RPS.
2009-03-19	43	Site Activity Status Update Received	GWE REPORT #200, SVE REPORT #149
2009-04-09	43	Site Activity Status Update Received	GW REPORT #201, SVE REPORT #150
2009-04-09	99	Miscellaneous	REQUEST FOR NO FURTHER REMEDIAL ACTION AT LOADING DOCK AREA.
2009-04-30	99	Miscellaneous	QUARTERLY DMR
2009-05-11	43	Site Activity Status Update Received	MW 34-70 AREA SVE REPORT REC'D.
2009-05-11	43	Site Activity Status Update Received	ANNUAL REPORT FOR 2008 REC'D
2009-05-14	43	Site Activity Status Update Received	GWE REPORT #202, SVE REPORT #151.
2009-06-08	99	Miscellaneous	SITE VISIT; CAP INSPECTION.
2009-06-15	43	Site Activity Status Update Received	GWE REPORT #203, SVE REPORT #152.
2009-07-09	99	Miscellaneous	SUPPLEMENTAL DATA REC'D FOR NFA REQUEST @ LOADING DOCK.
2009-07-20	43	Site Activity Status Update Received	GWE REPORT #204, SVE REPORT #153.
2009-07-20	99	Miscellaneous	QUARTERLY DMR
2009-08-14	43	Site Activity Status Update Received	GWE REPORT #205, SVE REPORT #154
2009-08-24	43	Site Activity Status Update Received	SUPPLEMENTAL INVESTIGATION IN SW CORNER.
2009-09-10	43	Site Activity Status Update Received	GWE REPORT #206, SVE REPORT #155
2009-10-13	43	Site Activity Status Update Received	GWE REPORT #207; SVE REPORT #156
2009-11-16	43	Site Activity Status Update Received	GWE REPORT #208; SVE REPORT #157
2009-12-11	43	Site Activity Status Update Received	GWE REPORT #209; SVE REPORT #158
2010-01-14	43	Site Activity Status Update Received	GWE REPORT #210; SVE REPORT #159
2010-01-14	99	Miscellaneous	QUARTERLY DMR
2010-01-15	99	Miscellaneous	ANNUAL DMR REPORT.
2010-02-02	43	Site Activity Status Update Received	SW CORNER SUPPLEMENTAL INVESTIGATION RESULTS 10/99.
2010-02-19	43	Site Activity Status Update Received	GWE REPORT #211, SVE REPORT #160.
2010-03-11	43	Site Activity Status Update Received	GWE REPORT #212, SVE REPORT #161
2010-05-10	43	Site Activity Status Update Received	GWE REPORT #213, SVE REPORT #162
2010-05-11	99	Miscellaneous	QUARTERLY DMR REPORT
2010-05-13	43	Site Activity Status Update Received	GWE REPORT #214, SVE REPORT #163
2010-06-21	43	Site Activity Status Update Received	GWE REPORT #215; SVE REPORT #164
2010-06-28	43	Site Activity Status Update Received	SVE REPORT #9; CALENDAR YEARS 2008 & 2009.
2010-07-12	43	Site Activity Status Update Received	GWE REPORT #216; SVE REPORT #165
2010-07-29	43	Site Activity Status Update Received	QUARTERLY DMR REPORT
2010-07-29	236	Continuing Obligation - Residual GW Contamination	

2010-07-29	232	Continuing Obligation - Residual Soil Contamination	
2010-07-29	228	Continuing Obligation - Site Specific Condition	GW PUMP & TREAT; SVE
2010-07-29	222	Continuing Obligation - Maintain Cap Over Contaminated Area	
2010-07-29	220	Continuing Obligation - Soil at Industrial Levels	
2010-07-29	50	GIS Registry Site	
2010-07-29	56	Continuing Obligation(s) Applied	
Linked to Code 56:		20100729_56_CO_Packet.pdf Click to Download or Open	
2010-07-29	149	Remedial Action Design Report Approved	
2010-08-12	43	Site Activity Status Update Received	GEW REPORT #217; SVE REPORT #166
2010-08-30	99	Miscellaneous	US EPA APPROVES 18 MONTH PILOT SHUTDOWN OF MRDS EXTR WELLS.
2010-09-16	43	Site Activity Status Update Received	GWE REPORT #218; SVE REPORT #167
2010-10-15	43	Site Activity Status Update Received	GWE REPORT #219; SVE REPORT #168
2010-10-15	99	Miscellaneous	REQUEST FOR NO FURTHER ACTION AT LAGOON 1 & EAST EXTENSION
2010-10-29	43	Site Activity Status Update Received	QUARTERLY DMR REPORT
2010-11-08	43	Site Activity Status Update Received	ANNUAL REPORT FOR 2009 REC'D
2010-11-08	43	Site Activity Status Update Received	GW DTAT REPORT #1 FOR MRDS
2010-11-15	43	Site Activity Status Update Received	LETTER REPORT ON ACTIVITIES IN SW CORNER REC'D.
2010-11-23	43	Site Activity Status Update Received	GWE REPORT #220, SVE REPORT #169
2010-12-20	43	Site Activity Status Update Received	GWE REPORT #221; SVE REPORT #170
2011-01-20	43	Site Activity Status Update Received	SWE REPORT #222, SVE REPORT #171
2011-01-20	43	Site Activity Status Update Received	GW DATA REPORT #2 FOR MRDS
2011-01-27	99	Miscellaneous	ANNUAL DMR REPORT FOR 2010 REC'D.
2011-03-03	43	Site Activity Status Update Received	GWE REPORT #223, SVE REPORT #172
2011-03-14	43	Site Activity Status Update Received	GWE RPT #224; SVE RPT #173
2011-03-24	43	Site Activity Status Update Received	ANNUAL REPORT FOR 2010 REC'D
2011-04-11	35	Site Investigation Workplan (SIWP) Received (non-fee)	SI WORK PLAN REC'D FOR S 1/2 OF FORMER LAGOON #1
2011-04-13	43	Site Activity Status Update Received	GWE RPT #225; SVE RPT #174
2011-04-29	43	Site Activity Status Update Received	SW CORNER UPDATE
2011-04-29	43	Site Activity Status Update Received	QUARTERLY DMR REC'D
2011-04-29	43	Site Activity Status Update Received	GW DATA RPT #3 FOR MRDS
2011-05-16	30		

		Site Investigation Workplan (SIWP) Notice to Proceed (NTP)	EPA CONCURRENCE WITH WORK PLAN FOR S 1/2 OF FORMER LAGOON #1
2011-05-24	99	Miscellaneous	EXTRACTION WELL REPLACEMENT PROPOSED
2011-05-26	99	Miscellaneous	EPA REQUESTS ADD'L INFO ON EXTRA WELL REPLACEMENT
2011-05-29	43	Site Activity Status Update Received	GWE RPT #226; SVE RPT #175
2011-06-09	43	Site Activity Status Update Received	GWE RPT #227; SVE RPT #176
2011-06-17	99	Miscellaneous	EPA NOTIFICATION OF 5-YR REVIEW START
2011-07-13	43	Site Activity Status Update Received	QUARTERLY DMR REC'D
2011-07-13	43	Site Activity Status Update Received	GWE RPT #228 SVE RPT #177
2011-08-04	43	Site Activity Status Update Received	RESULTS FROM TRIAL USE OF HYDRASLEEVE SAMPLERS
2011-08-10	43	Site Activity Status Update Received	GWE RPT #229; SVE RPT #178
2011-08-30	43	Site Activity Status Update Received	GW DATA FOR MRDS
2011-09-07	130	DNR Regulatory Reminder Sent	Vapor Intrusion (VI) Assessment Notification Ltr Sent
Linked to Code 130:		0209000267_VI_Letter.pdf	Click to Download or Open
2011-09-14	43	Site Activity Status Update Received	GWE RPT #230; SVE RPT #179
2011-10-20	43	Site Activity Status Update Received	GWE RPT #231; SVE RPT #180
2011-11-14	43	Site Activity Status Update Received	GWE RPT #232; SVE RPT #181
2011-11-15	99	Miscellaneous	ACCOMPANIED U.S. EPA ON SITE VISIT
2011-12-14	43	Site Activity Status Update Received	SF GW DATA FOR MRDS
2011-12-16	43	Site Activity Status Update Received	GWE RPT #223; SVE RPT #182
2012-01-19	43	Site Activity Status Update Received	GWE RPT #234; SVE RPT #183
2012-01-24	43	Site Activity Status Update Received	QUARTERLY DMR REC'D
2012-01-24	43	Site Activity Status Update Received	ANNUAL DMR FOR 2011 REC'D
2012-01-25	43	Site Activity Status Update Received	GW DATA FOR MRDS
2012-01-27	43	Site Activity Status Update Received	MRDS SVE RPT #10
2012-02-06	43	Site Activity Status Update Received	SOIL SAMPLING RESULTS FOR S 1/2 OF LAGOON 1 RCVD
2012-02-07	43	Site Activity Status Update Received	GWE RPT #235; SVE RPT #184
2012-03-14	43	Site Activity Status Update Received	SF/GWE RPT #236; SVE RPT #185
2012-04-11	43	Site Activity Status Update Received	SF/GWE RPT #237; SVE RPT #186
2012-05-09	43	Site Activity Status Update Received	QUARTERLY DMR REC'D
2012-05-10	43	Site Activity Status Update Received	GWE RPT #238; SVE RPT #187
2012-05-29	43	Site Activity Status Update Received	GW DATA FOR MRDS
2012-06-04	43		ANNUAL RPT FOR 2011 RECD

		Site Activity Status Update Received	
2012-06-14	43	Site Activity Status Update Received	GWE RPT #239; SVE RPT #188
2012-07-11	43	Site Activity Status Update Received	GWE RPT #240 SVE RPT 189
2012-08-08	43	Site Activity Status Update Received	QUARTERLY DMR REC'D
2012-08-09	43	Site Activity Status Update Received	GWE RPT #241; SVE RPT 190
2012-09-04	326	Superfund Five Year Review Report Signed	REPORT SIGNED
2012-09-11	43	Site Activity Status Update Received	GWE RPT #242, SVE RPT 191
2012-10-04	43	Site Activity Status Update Received	
2012-10-29	43	Site Activity Status Update Received	
2012-11-05	43	Site Activity Status Update Received	GWE RPT #244; SVE RPT 193
2012-12-06	43	Site Activity Status Update Received	GWE RPT #245; SVE RPT 194
2012-12-13	99	Miscellaneous	ACCOMPANIED US EPA ON SITE VISIT
2013-01-15	43	Site Activity Status Update Received	GWE RPT #246; SVE RPT 195
2013-02-11	43	Site Activity Status Update Received	GWE RPT #247; SVE RPT 196
2013-03-08	43	Site Activity Status Update Received	GWE RPT #248, SVE RPT 197
2013-03-22	43	Site Activity Status Update Received	ANNUAL REPORT FOR 2012 RECD
2013-04-16	43	Site Activity Status Update Received	GWE RPT #249 SVE RPT 198
2013-05-03	43	Site Activity Status Update Received	QUARTERLY DMR RECEIVED
2013-05-28	43	Site Activity Status Update Received	GWE RPT #250 SVE RPT 199
2013-06-12	43	Site Activity Status Update Received	GWE RPT #251 SVE RPT 200
2013-07-18	99	Miscellaneous	ADDENDUM TO O&M PLAN FOR SHUTDOWN OF MRDS EXTRACTION WELLS
2013-07-23	43	Site Activity Status Update Received	GWE RPT #252; SVE RPT 201
2013-07-26	43	Site Activity Status Update Received	QUARTERLY DMR REC'D; APR - JUN 2013
2013-08-16	43	Site Activity Status Update Received	GWE RPT #253; SVE RPT 202
2013-09-06	43	Site Activity Status Update Received	GWE RPT #254; SVE RPT 203
2013-09-26	35	Site Investigation Workplan (SIWP) Received (non-fee)	ABBREVIATED WORK PLAN FOR GEOPROBING EAST OF BLDG
2013-10-11	43	Site Activity Status Update Received	GWE RPT #255; SVE RPT 204
2013-11-14	43	Site Activity Status Update Received	QTRLY DMR REC'D; JUL-SEP 2013
2013-11-15	43	Site Activity Status Update Received	GWE RPT #256, SVE RPT 205
2013-12-20	43	Site Activity Status Update Received	GWE SPT #257, SVE RPT 206

2014-01-10	43	Site Activity Status Update Received	GWE SPT #258, SVE RPT 207
2014-01-17	43	Site Activity Status Update Received	GEOPROBE SAMPLING RESULTS - E SIDE OF BLDG
2014-02-14	43	Site Activity Status Update Received	GWE SPT #259, SVE RPT 208
2014-03-14	43	Site Activity Status Update Received	SF/GWE SPT #260, SVE RPT 209
2014-04-15	43	Site Activity Status Update Received	GWE RPT #261, SVE RPT 210
2014-05-01	35	Site Investigation Workplan (SIWP) Received (non-fee)	SUB-SLAB AIR SAMPLING WP RECEIVED
2014-05-14	43	Site Activity Status Update Received	GWE RPT #262, SVE RPT 211
2014-05-15	43	Site Activity Status Update Received	QTRLY DMR REC'D; JAN-MAR 2014
2014-06-12	43	Site Activity Status Update Received	GWE RPT #263, SVE RPT 212
2014-07-11	43	Site Activity Status Update Received	GWE RPT #264, SVE RPT 213
2014-07-15	43	Site Activity Status Update Received	QTRLY DMR REC'D; MAR-JUN 2014
2014-07-24	99	Miscellaneous	SITE VISIT; SUB-SLAB SAMPLING PORT INSTALLATION
2014-08-15	43	Site Activity Status Update Received	GWE RPT #265, SVE RPT 214
2014-08-20	99	Miscellaneous	ON-SITE MEETING WITH REPS OF US EPA, NPI AND CONSULTANTS
2014-09-26	43	Site Activity Status Update Received	GWE RPT #266, SVE RPT 215
2014-09-26	43	Site Activity Status Update Received	ANNUAL REPORT FOR 2013 RECD
2014-10-22	43	Site Activity Status Update Received	QTRLY DMR REC'D; JUL-SEP 2014
2014-10-22	43	Site Activity Status Update Received	GWE RPT #267, SVE RPT 216
2014-10-31	99	Miscellaneous	SVE WELL INSTALLED UNDER MAIN BLDG
2014-11-19	43	Site Activity Status Update Received	GWE RPT #268, SVE RPT 217
2014-12-12	43	Site Activity Status Update Received	GWE RPT #269, SVE RPT 218
2015-01-13	43	Site Activity Status Update Received	GWE RPT #270, SVE RPT 219
2015-01-14	43	Site Activity Status Update Received	QTRLY DMR REC'D; OCT-DEC 2014
2015-01-14	43	Site Activity Status Update Received	ANNUAL DMR RPT FOR 2014 REC'D
2015-02-04	43	Site Activity Status Update Received	GWE RPT #271, SVE RPT 220
2015-03-09	43	Site Activity Status Update Received	SUB-SLAB AIR SAMPLING SURVEY RESULTS REC'D
2015-03-16	43	Site Activity Status Update Received	GWE RPT #272, SVE RPT 221
2015-04-14	43	Site Activity Status Update Received	GWE RPT #273, SVE RPT 222
2015-04-21	43	Site Activity Status Update Received	QTRLY DMR REC'D; JAN-MAR 2015
2015-05-11	43	Site Activity Status Update Received	GWE RPT #274, SVE RPT 223
2015-06-08	43		ANNUAL REPORT FOR 2014 RECEIVED

		Site Activity Status Update Received	
2015-06-16	43	Site Activity Status Update Received	GWE RPT #275, SVE RPT 224
2015-06-25	39	Remedial Action Options Report (RAOR) Received (non-fee)	COMPILATION AND ANALYSIS OF CADMIUM SOIL AND GW DATA
2015-07-15	43	Site Activity Status Update Received	GWE PRT #276, SVE RPT 225
2015-07-16	43	Site Activity Status Update Received	QTRLY DMR RECEIVED; APR-JUN 2015
2015-08-03	99	Miscellaneous	SUBMITTED PLAN FOR MODIFIED COLD WEATHER OPERATION OF THE MRDS SVE SYSTEM
2015-08-13	43	Site Activity Status Update Received	GWE RPT #277, SVE RPT 226
2015-09-15	43	Site Activity Status Update Received	GWE RPT #278, SVE RPT 227
2015-09-24	39	Remedial Action Options Report (RAOR) Received (non-fee)	REMEDIAL ALTERNATIVES ANALYSIS FOR MW-34/70 AREA TCE DEGREASER SLUDGE
2015-10-26	35	Site Investigation Workplan (SIWP) Received (non-fee)	WORK PLAN FOR 12 MONTH SHUTDOWN OF EXTR WELL EW-5
2015-10-27	43	Site Activity Status Update Received	GWE RPT #279, SVE RPT 228
2015-11-02	43	Site Activity Status Update Received	QTRLY DMR RECEIVED; JUL-SEP 2015
2015-11-17	99	Miscellaneous	ON-SITE MTG W/REPS OF US EPA, NPI & CONSULTANTS
2015-11-19	43	Site Activity Status Update Received	GWE RPT #280; SVE RPT 229
2016-01-13	43	Site Activity Status Update Received	GWE RPT #281; SVE RPT 230
2016-01-14	43	Site Activity Status Update Received	GWE RPT #282; SVE RPT 231
2016-01-19	43	Site Activity Status Update Received	QTRLY DMR RECEIVED; OCT-DEC 2015
2016-01-19	43	Site Activity Status Update Received	ANNUAL DMR RPT FOR 2015 RECEIVED
2016-02-18	43	Site Activity Status Update Received	GWE RPT #283; SVE RPT 232
2016-03-16	43	Site Activity Status Update Received	GWE RPT #284; SVE RPT 233
2016-03-17	43	Site Activity Status Update Received	SVE SYSTEM UPDATE & EXHAUST GAS ANALYTICAL CHANGE REQUEST
2016-04-13	43	Site Activity Status Update Received	GWE RPT #285; SVE RPT #234
2016-04-14	43	Site Activity Status Update Received	MODIFIED COLD WEATHER OPERATION OF THE MRDS SVE SYTEM -ASSESSMENT REPORT
2016-04-21	43	Site Activity Status Update Received	QTRLY DMR REC'D; JAN-MAR 2016
2016-05-19	43	Site Activity Status Update Received	ANNUAL REPORT FOR 2015 RECEIVED
2016-05-19	43	Site Activity Status Update Received	GWE RPT #286; SVE RPT #235
2016-06-16	43	Site Activity Status Update Received	GWE RPT #287; SVE RPT #236
2016-07-12	43	Site Activity Status Update Received	GWE RPT #288; SVE RPT #237
2016-08-09	43	Site Activity Status Update Received	GWE RPT #289; SVE RPT #238
2016-09-02	99	Miscellaneous	EPA NOTIFICATION OF 5 YEAR REVIEW START

2016-09-13	43	Site Activity Status Update Received	GWE RPT #290; SVE RPT #239
2016-10-05	43	Site Activity Status Update Received	GWE RPT #291; SVE RPT #240
2016-10-06	43	Site Activity Status Update Received	QTRLY DMR RECD; JUL-SEP 2016
2016-11-09	43	Site Activity Status Update Received	GWE RPT #292; SVE RPT #241
2016-11-16	35	Site Investigation Workplan (SIWP) Received (non-fee)	EW-5 STATUS RPT & WP FOR 12-MO TRIAL SHUTDOWN OF EW-6
2016-12-13	43	Site Activity Status Update Received	GWE RPT #293; SVE RPT #242
2016-12-19	43	Site Activity Status Update Received	MULTIPLE LINES OF EVIDENCE FOR RNA/MNA OF CADMIUM IN GW
2017-01-17	43	Site Activity Status Update Received	GWE RPT #294; SVE RPT #243
2017-01-19	43	Site Activity Status Update Received	ANNUAL DMR RPT FOR 2016 REC'D
2017-01-19	43	Site Activity Status Update Received	QTRLY DMR RECD; OCT-DEC 2016
2017-02-16	43	Site Activity Status Update Received	GWI RPT #295; SVE RPT #244
2017-03-09	43	Site Activity Status Update Received	GEW RPT #296; SVE RPT #245
2017-04-26	43	Site Activity Status Update Received	GW EXTR RPT #297; SVE RPT #246
Linked to Code 43:		20170426_43_Progress_Rpt_Monthly_Mar_2017.pdf Click to Download or Open	
2017-05-09	43	Site Activity Status Update Received	QTRLY DMR RECD; JAN-MAR 2017
Linked to Code 43:		20170509_43_DMR_Qtrly_Jan-Mar 2017.pdf Click to Download or Open	
2017-05-16	43	Site Activity Status Update Received	GW EXTR RPT #298;SVE RPT #247
Linked to Code 43:		20170516_43_Progress_Rpt_Monthly_Apr_2017.pdf Click to Download or Open	
2017-05-25	37	Site Investigation Report (SIR) Received (non-fee)	GW ANALYTICAL RESULTS FOR 1,4-DIOXANE
Linked to Code 37:		20170525_37_SI_RPT_Analyticals_1,4_Dioxane.pdf Click to Download or Open	
2017-05-26	43	Site Activity Status Update Received	UPDATE ON EAST DISPOSAL SITE, DRAINAGE DITCH #3 & LOADING DOCK AREA
Linked to Code 43:		20170525_43_STATUS_RPT_EDS_DD#3_LOAD DOCK.pdf Click to Download or Open	
2017-06-01	40	Remedial Action Options Report (RAOR) Approved	REMEDIATION OF CD IN GW USING MNA
Linked to Code 40:		20170522_40_RAOR_APP.pdf Click to Download or Open	
2017-06-19	43	Site Activity Status Update Received	GW EXTR RPT #299; SVE RPT #248
Linked to Code 43:		20170619_43_Progress_Rpt_Monthly_May_2017.pdf Click to Download or Open	
2017-07-07	99	Miscellaneous	JUNE 2017 ECMWF LAB DATA
Linked to Code 99:		20170707_99_ECMWF_Lab_Data_20170615.pdf Click to Download or Open	
2017-07-10	43	Site Activity Status Update Received	GW EXTR RPT #300; SVE RPT #249
Linked to Code 43:		20170710_43_Progress_Rpt_Monthly_Jun_2017.pdf Click to Download or Open	
2017-07-26	326	Superfund Five Year Review Report Signed	FIFTH FIVE-YEAR REVIEW
Linked to Code 326:		20170726_326_Five_Yr_Review.pdf Click to Download or Open	
2017-08-08	43	Site Activity Status Update Received	MRDS SVE TRIAL SHUTDOWN RPT
Linked to Code 43:		20170808_43_MRDS SVE Trial Shutdown Rpt.pdf Click to Download or Open	
2017-08-16	43	Site Activity Status Update Received	GW EXTR RPT #301; SVE RPT #250
Linked to Code 43:		20170816_43_Progress_Rpt_Monthly_Jul_2017.pdf Click to Download or Open	

2017-08-16	43	Site Activity Status Update Received	QTRLY DM RECD; APR-JUN 2017
Linked to Code 43:		20170816_43_DMR_Qtrly_Apr-Jun 2017.pdf Click to Download or Open	
2017-09-07	43	Site Activity Status Update Received	GW EXTRA RPT #302; SVE RPT #251
Linked to Code 43:		20170907_43_Progress_Rpt_Monthly_Aug_2017.pdf Click to Download or Open	
2017-10-17	43	Site Activity Status Update Received	GW EXTRA RPT #303;SVE RPT #252
Linked to Code 43:		20171017_43_Progress_Rpt_Monthly_Sept_2017.pdf Click to Download or Open	
2017-10-18	43	Site Activity Status Update Received	QTRLY DMR RECD; JUL-SEPT 2017
Linked to Code 43:		20171018_43_DMR_Qtrly_Jul-Sept_2017.pdf Click to Download or Open	
2017-10-25	99	Miscellaneous	SITE VISIT & MTG W/US EPA & CONSULTANTS
2017-11-01	99	Miscellaneous	REVISED QAPP
Linked to Code 99:		20171101_99_QAPP.pdf Click to Download or Open	
2017-11-15	43	Site Activity Status Update Received	GW EXTR RPT #304; SVE RPT #253
Linked to Code 43:		20171115_43_Progress_Rpt_Monthly_Oct_2017.pdf Click to Download or Open	
2017-11-29	43	Site Activity Status Update Received	ANNUAL INTERIM RA STATUS RPT FOR 2016
Linked to Code 43:		20171129_43_Interim_RA_Status_Rpt_Annual_2016.pdf Click to Download or Open	
2017-12-13	99	Miscellaneous	US EPA REQUIREMENT FOR CONTINUING MNA MONITORING FOR CD
Linked to Code 99:		20171213_99_EPA_Cd_MNA_Ltr.pdf Click to Download or Open	
2017-12-19	43	Site Activity Status Update Received	GW EXTR RPT #305; SVE RPT #254
Linked to Code 43:		20171219_43_Progress_Rpt_Monthly_Nov_2017.pdf Click to Download or Open	
2018-01-10	43	Site Activity Status Update Received	GW EXTR RPT #306; SVE RPT #255
Linked to Code 43:		20180110_43_Progress_Rpt_Monthly_Dec_2017.pdf Click to Download or Open	
2018-01-16	43	Site Activity Status Update Received	QTRLY DMR RECD: OCT-DEC 2017
Linked to Code 43:		20180116_43_dmr_qtrly_oct_dec_2017.pdf Click to Download or Open	
2018-01-16	43	Site Activity Status Update Received	ANNUAL DMR RECD 2017
Linked to Code 43:		20180116_43_dmr_ann_2017.pdf Click to Download or Open	
2018-02-14	43	Site Activity Status Update Received	GW EXTR RPT #307; SVE RPT #256
Linked to Code 43:		20180214_43_Progress_Rpt_Monthly_Jan_2018.pdf Click to Download or Open	
2018-02-17	43	Site Activity Status Update Received	GW EXTR RPT #318; SVE RPT #267
2018-02-26	43	Site Activity Status Update Received	INTERIM RA STATUS RPT FOR 2017
Linked to Code 43:		20180226_43_Interim_RA_Status_Rpt_Ann_2017.pdf Click to Download or Open	
2018-03-08	43	Site Activity Status Update Received	PROGRESS REPORT MONTHLY FEB 2018
Linked to Code 43:		20180308_43_Progress_Rpt_Monthly_Feb_2018.pdf Click to Download or Open	
2018-04-11	43	Site Activity Status Update Received	GW EXTR RPT #309; SVE RPT #258
Linked to Code 43:		20180411_43_Progress_Report_Monthly_Mar_2018.pdf Click to Download or Open	
2018-04-25	43	Site Activity Status Update Received	QTRLY DMR RECD: JAN-MAR 2018
Linked to Code 43:		20180425_43_DMR_Qtrly_Jan-Mar 2018.pdf Click to Download or Open	
2018-05-09	43	Site Activity Status Update Received	GW EXTR RPT #310; SVE RPT #259
Linked to Code 43:		20180509_43_Progress_Report_Monthly_Apr_2018.pdf Click to Download or Open	
2018-05-14	35	Site Investigation Workplan (SIWP) Received (non-fee)	WORK PLAN TO SAMPLE GW FOR PFAS

Linked to Code 35:	20180501_43_Gas Monit Rpt_Qtrly_Jan-Mar_2018.pdf Click to Download or Open		
2018-05-30	99	Miscellaneous	WELL ABANDONMENT FORMS
Linked to Code 99:	20180530_99_Well Abandonments.pdf Click to Download or Open		
2018-06-04	43	Site Activity Status Update Received	GW EXTR RPT #311; SVE RPT #260
Linked to Code 43:	20180604_43_Progress_Report_Monthly_May_2018.pdf Click to Download or Open		
2018-07-16	43	Site Activity Status Update Received	GW EXTR RPT #312; SVE RPT #261
Linked to Code 43:	20180716_43_Progress_Report_Monthly_June_2018.pdf Click to Download or Open		
2018-07-17	43	Site Activity Status Update Received	QTRLY DMR RECD APR-JUN 2018
Linked to Code 43:	20180717_43_DMR_Qtrly_Apr-Jun 2018.pdf Click to Download or Open		
2018-08-01	43	Site Activity Status Update Received	MRDS SVE 2ND TRIAL SEASONAL SHUTDOWN RPT DEC 2017-JUN 2018
Linked to Code 43:	20180801_43_MRDS_SVE_2nd_Trial_Shutdown_Rpt_Dec_2017_Jun_2018.pdf Click to Download or Open		
2018-08-14	43	Site Activity Status Update Received	GW EXTR RPT #313; SVE RPT #262
Linked to Code 43:	20180814_43_Progress_Report_Monthly_Jul_2018.pdf Click to Download or Open		
2018-08-14	99	Miscellaneous	EMAIL DIRECTION
Linked to Code 99:	20180814_99_Email_direction.pdf Click to Download or Open		
2018-09-10	43	Site Activity Status Update Received	GW EXTR RPT #314; SVE RPT #263
Linked to Code 43:	20180910_43_Progress_Report_Monthly_Aug_2018.pdf Click to Download or Open		
2018-09-19	43	Site Activity Status Update Received	ANALYTICAL RESULTS SUMMARY 2018
Linked to Code 43:	20180919_43_Analytical Results Summary_2018.pdf Click to Download or Open		
2018-10-08	43	Site Activity Status Update Received	GW EXTR RPT #315; SVE RPT #264
Linked to Code 43:	20181008_43_Progress_Report_Monthly_Sept_2018.pdf Click to Download or Open		
2018-10-10	43	Site Activity Status Update Received	QTRLY DMR RECD; JUL-SEPT 2018
Linked to Code 43:	20181010_43_DMR_Qtrly_Jul_Sep_2018.pdf Click to Download or Open		
2018-10-30	147	Remedial Action Design Report Received (non-fee)	REMEDIAL ACTION REPORT
Linked to Code 147:	20181030_147_Remedial_Action_Report.pdf Click to Download or Open		
2018-11-07	43	Site Activity Status Update Received	GW EXTR RPT #316; SVE RPT #265
Linked to Code 43:	20181107_43_Progress_Report_Monthly_Oct_2018.pdf Click to Download or Open		
2018-11-21	99	Miscellaneous	EPA GW MOD APPROVAL
Linked to Code 99:	20181121_99_EPA_GW_Mod_Approval.pdf Click to Download or Open		
2018-11-28	99	Miscellaneous	REQUEST FOR FEE SUBMITTAL
Linked to Code 99:	20181128_99_Fee_Request.pdf Click to Download or Open		
2018-12-17	43	Site Activity Status Update Received	GW EXTR RPT #317; SVE RPT #266
Linked to Code 43:	20181217_43_Progress_Report_Monthly_Nov_2018.pdf Click to Download or Open		
2018-12-20	99	Miscellaneous	EPA APPROVES MRDS TRIAL SEASONAL SHUTDOWN
Linked to Code 99:	20181220_99_EPA_Approves_MRDS_Trial_Seasonal_Shutdown.pdf Click to Download or Open		
2019-01-09	43	Site Activity Status Update Received	GW EXTR RPT #318; SVE RPT #267
Linked to Code 43:	20190109_43_Progress_Report_Monthly_Dec_2018.pdf Click to Download or Open		
2019-01-14	710	Database Fee Paid for Soil Continuing Obligation(s)	CO FOR SOIL IMPOSED
2019-01-14	700	Database Fee Paid for Groundwater Continuing Obligation(s)	CO FOR GROUNDWATER IMPOSED
2019-01-14	148	Remedial Action Design Report Received (fee)	REVIEW OF REMEDIAL ACTION DESIGN RPT REC ON 10/30/2018 AND SOIL/GW CO'S IMPOSED

2019-01-15	43	Site Activity Status Update Received	QTRLY DMR RECD; OCT-DEC 2018
Linked to Code 43:		20190115_43_DMR_Quarterly_Oct_Dec_2018.pdf Click to Download or Open	
2019-01-16	43	Site Activity Status Update Received	ANNUAL DMR RECD; 2018
Linked to Code 43:		20190116_43_DMR_Ann_2018.pdf Click to Download or Open	
2019-01-18	99	Miscellaneous	CONCURRENCE ON RA COMPLETION AT LAGOON 1 AND EAST EXTENSION
Linked to Code 99:		20190118_99_Concurrence_on_RA_Completion.pdf Click to Download or Open	
2019-01-18	198	Request for Additional Information (Fee-Based or Closure)	UPDATES NEEDED
2019-02-11	43	Site Activity Status Update Received	GW EXTR RPT #319; SVE RPT #268
Linked to Code 43:		20190211_43_Progress_Report_Monthly_Jan_2019.pdf Click to Download or Open	
2019-02-11	99	Miscellaneous	GW ANALYTICAL RESULTS FOR PFAS
Linked to Code 99:		20190211_99_GW_Analysis_Results_for_PFAS.pdf Click to Download or Open	
2019-02-15	99	Miscellaneous	EPA SAMPLE REQUESTS AND ABANDONMENT APPROVALS
Linked to Code 99:		20190215_99_EPA_Sampl_Freq_and_Aband_Apprs.pdf Click to Download or Open	
2019-03-11	99	Miscellaneous	EPA MUNICIPAL WELL SAMPLE FREQUENCY APPROVAL
Linked to Code 99:		20190311_99_EPA_Muni_Well_Sampl_Freq_Appr.pdf Click to Download or Open	
2019-03-13	43	Site Activity Status Update Received	GW EXTR RPT #320; SVE RPT #269
Linked to Code 43:		20190313_43_Progress_Report_Monthly_Feb_2019.pdf Click to Download or Open	
2019-04-09	43	Site Activity Status Update Received	QTRLY DMR RECD; JAN-MAR 2019
Linked to Code 43:		20190409_43_DMR_Quarterly_Jan-Mar_2019.pdf Click to Download or Open	
2019-04-09	43	Site Activity Status Update Received	GW EXTR RPT #321; SVE RPT #270
Linked to Code 43:		20190409_43_Progress_Report_Monthly_Mar_2019.pdf Click to Download or Open	
2019-05-02	99	Miscellaneous	DNR RESPONSE RE DRAFT RAR RPT
Linked to Code 99:		20190502_99_DNR_Response_re_Draft_RAR_Rpt.pdf Click to Download or Open	
2019-05-09	43	Site Activity Status Update Received	GW EXTR RPT #322; SVE RPT #271
Linked to Code 43:		20190509_43_Progress_Report_Monthly_Apr_2019.pdf Click to Download or Open	
2019-06-13	43	Site Activity Status Update Received	ANNUAL INTERIM RA STATUS RPT FOR 2018
Linked to Code 43:		20190613_43_Interim_RA_Status_Rpt_Ann_2018.pdf Click to Download or Open	
2019-06-17	43	Site Activity Status Update Received	GW EXTR RPT #323; SVE RPT #272
Linked to Code 43:		20190617_43_Progress_Report_Monthly_May_2019.pdf Click to Download or Open	
2019-07-09	43	Site Activity Status Update Received	GW EXTR RPT #324; SVE RPT #273
Linked to Code 43:		20190709_43_Progress_Report_Monthly_Jun_2019.pdf Click to Download or Open	
2019-07-09	43	Site Activity Status Update Received	QTRLY DMR RECD; APR-JUN 2019
Linked to Code 43:		20190709_43_DMR_Quarterly_Apr-Jun_2019.pdf Click to Download or Open	

Other Documents and Images
Not Linked to Actions Above
Click File Name to Download or Open

Category	File Name or URL Description
Website URL	National Presto Industries EPA Superfund NPL/SAA Website

Financial
Grants, Loans, DERF Expenditures, State-Funded and Spill Response

Category	Fiscal Year	Amount
State-Funded Response : Cost Recovery	1997	$17,186
State-Funded Response : Cost Recovery	1998	$4,844

State-Funded Response : Cost Recovery	1999	$9,322
State-Funded Response : Cost Recovery	2000	$8,087
State-Funded Response : Cost Recovery	2001	$7,519
State-Funded Response : Cost Recovery	2003	$5,935
State-Funded Response : Cost Recovery	2004	$8,399
State-Funded Response : Cost Recovery	2005	$6,427

Substances

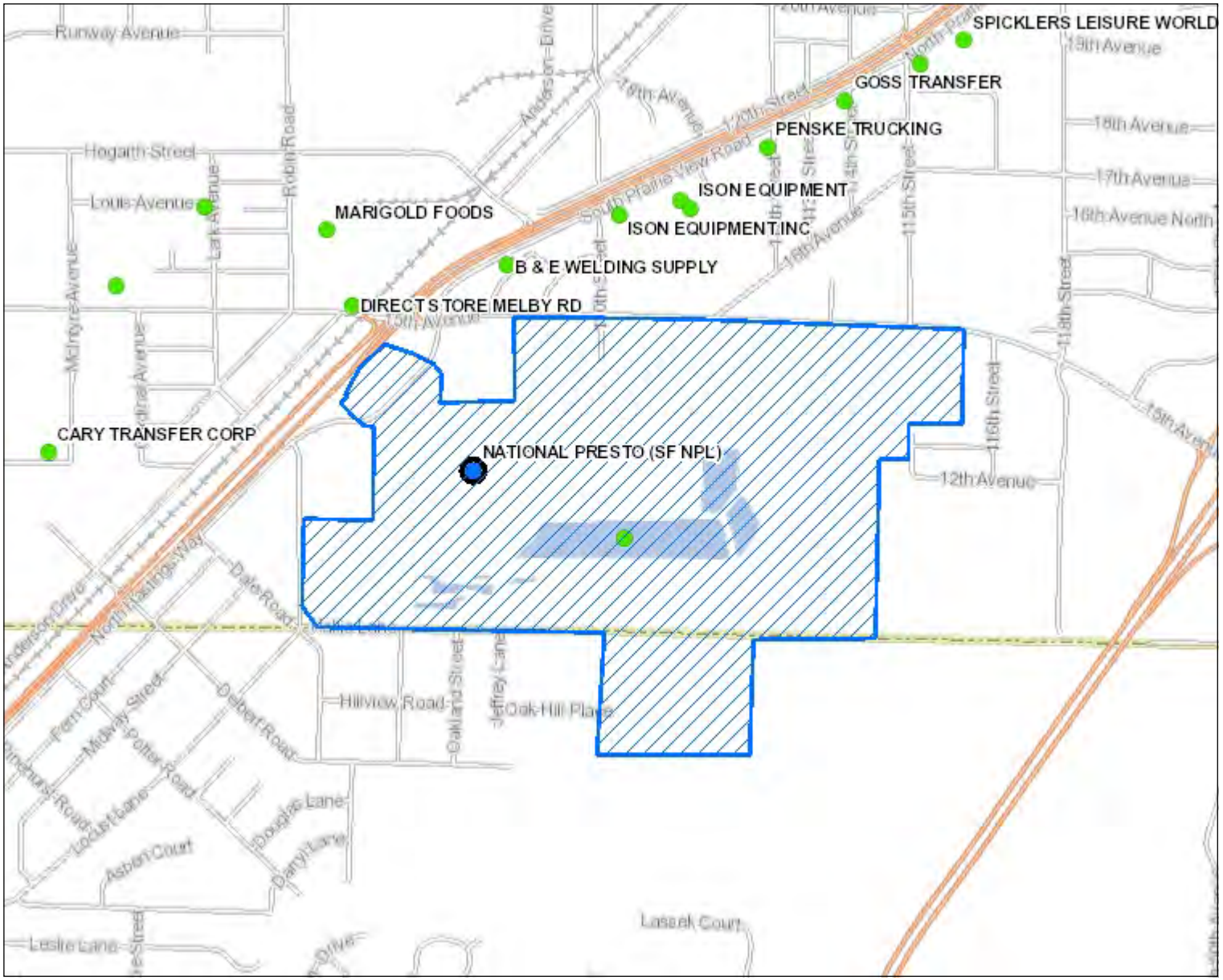
Substance	Type	Est Amt Released	Units
Volatile Organic Compounds	VOC		
Polynuclear Aromatic Hydrocarbons	Petroleum		
Metals	Metals		

Who

Role	Name/Address
Responsible Party	NATIONAL PRESTO INDUSTRIES 3925 N HASTINGS WAY EAU CLAIRE, WI 54701
Project Manager	MAE WILLKOM 1300 W CLAIREMONT AVE EAU CLAIRE, WI 54702

BRRTS data comes from various sources, both internal and external to DNR. There may be omissions and errors in the data and delays in updating new information. Please see the disclaimers page for more information. We welcome your Feedback.

02-09-000267 NATIONAL PRESTO (SF NPL) SITE



Legend

- Open Site
- Open Site Boundary
- Closed Site
- Continuing Obligations Apply
- Municipality
- State Boundaries
- County Boundaries

Major Roads

- Interstate Highway
- State Highway
- US Highway

County and Local Roads

- County HWY
- Local Road

- Railroads
- Tribal Lands

Notes

0.5 0 0.25 0.5 Miles

NAD_1983_HARN_Wisconsin_TM

1: 15,840

Note: Not all sites are mapped.

Ongoing Cleanups with Continuing Obligations
Cover Sheet

April, 2010
(RR 5391)

Purpose

This cover sheet summarizes continuing obligations regarding environmental conditions on this property. Continuing obligations are legal mechanisms that:

1) Require or restrict certain actions to protect human health or the environment.
2) Minimize human and natural resource exposure to contamination, and/or
3) Give notice of the **existence** of residual contamination

Learn more about continuing obligations at **http://dnr.wi.gov/org/aw/rr/cleanup/obligations.htm**

DNR Property Information:

DNR Approval Date: Mar 31, 1988

BRRTS #: **02-09-000267** FID #: 609038320

ACTIVITY NAME: National Presto Industries, Inc.

PROPERTY ADDRESS: 3925 North Hastings Way

MUNICIPALITY: Eau Claire

PARCEL ID #:

***WTM COORDINATES:**

X: **405275** Y: **488548**

** Coordinates are in WTM83, NAD83 (1991)*

WTM COORDINATES REPRESENT:

○ Approximate Center Of Continuing Obligations

◉ Approximate Source Parcel Center

Please use the CLEAN system at **http://dnr.wi.gov/org/aw/rr/clean.htm** for additional DNR site information.

EPA Superfund Information (*if applicable*):

EPA ID: **WID006196174** *To view more information click on the EPA ID.*

SITE NAME: National Presto Industries, Inc.

Requirements for *all* properties with Continuing Obligations

1. Properly manage contaminated soil if it is excavated. Sample and arrange appropriate treatment or disposal.
2. DNR approval is required if a water supply well will be constructed or reconstructed.

Site-Specific Requirement(s) - (BRRTS Action Code)

☒ A "cap" over the contaminated area must be: (222)
- ☐ Constructed & Maintained
- ☒ Maintained

☐ A vapor mitigation system must be: (226)
- ☐ Constructed & Maintained
- ☐ Maintained

☐ The need for vapor control technology must be evaluated if a building will be constructed. (228)

☒ The approved soil cleanup level is suitable for industrial use of the property. (220)

☐ DNR has approved construction on an abandoned landfill and certain maintenance requirements apply. (402) or (404)

☐ A structural impediment (e.g. building) is present which inhibited investigation/cleanup. Further environment work may be required if the impediment is removed. (224)

☐ DNR has directed a local government unit (LGU) to take an action and a LGU liability exemption applies. This exemption does not transfer to future private owners. (230)

☒ Another type of continuing obligation has been established in DNR's remedial action plan approval. (228)
Explain:

Active remediation systems in operation on the site include groundwater extraction pump and treat and soil vapor extraction.

APPENDIX E

COVER SYSTEM MAINTENANCE PLAN FOR THE LDA

COVER SYSTEM MAINTENANCE PLAN
National Presto Industries, Inc. Loading Dock Area (NPI LDA)

Date: August 15, 2019
Property Located at: 3925 North Hastings Way, Eau Claire, Wisconsin, Chippewa County
BRRTS #02-09-000267
Chippewa County Parcel ID# 22809-3440-00020000 (aka City of Eau Claire Parcel #16-0429)

Introduction

This document is the Maintenance Plan (MP) for a direct-contact cover system (i.e., cap) at the above referenced property (Latitude: 44.858652, Longitude: -91.452610) in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities relate to clean soil backfill covering soil with residual contamination in the loading dock area (LDA) at the south end of the main building at the National Presto Industries, Inc. (NPI) site. The MP applies to the designated cap area shown on Figure E-1. The cap and this MP will serve as an institutional control for the approval of Wisconsin continuing obligations as remedial actions within the LDA at the NPI site by the Wisconsin Department of Natural Resources (WDNR). Per the public land survey system, the site is in the NE1/4 of the SE1/4 of Section 34, T28N, R09W. For more site-specific information about this property see:

- The case file in the WDNR Eau Claire service center office.
- BRRTS on the Web (the WDNR's online database of contaminated sites).
- The Continuing Obligations (CO.PDF) file (includes information on the nature and extent of contamination).
- The WDNR project manager for the NPI site.

Description of Residual PAH Soil Contamination

The polycyclic aromatic hydrocarbons (PAHs) of primary concern include benzo(a)pyrene and dibenzo(a,h)anthracene in excavation base soil sample EB-3. The perimeter of the direct-contact cover system (designated cap area) shown on Figure E-1 defines the estimated horizontal extent of impacted soil with one or more PAHs at or above an applicable NR 720 industrial direct contact residual contaminant level. The estimated vertical extent of elevated PAHs in soil is from 3.5 to 4 feet below ground surface (bgs). The depth to water in this area of the site is approximately 70 feet bgs.

Description of the Direct Contact Cover System to be Maintained

The cap serves as a barrier to prevent direct human contact with the residual PAH soil contamination that might otherwise pose a threat to human health. The system components include clean sand and gravel backfill placed in December 2001 and vegetated soil cover. The existing vegetated soil cover currently maintains sparse grass (due to the sandy soil and no irrigation) in a relatively flat area of the site, bordering an asphalt access road and parking

apron for semi-trailers. The area is mowed as needed. Attachment A provides two representative photographs of the LDA capped area for reference.

Maintenance Activities and Annual Inspection

The direct-contact cover system (i.e., clean sand and gravel backfill and vegetated soil cover) must be maintained to prevent direct contact. In the event cap repair or other activities (e.g., underground utility repair or installation) expose the underlying soil in the designated cap area, maintenance workers will be notified of the PAH impacts and directed to use appropriate personal protective equipment. If material within the extent of soil impacts is excavated, it will be sampled to determine the degree of contamination, if any. All excavated soil must be treated, stored, and disposed of in accordance with applicable local, state, and federal laws.

In the designated cap area shown on Figure E-1, the direct-contact cover system will be inspected by the property owner or its designated representative at least once a year for erosion, settling, vegetative damage, cracking, and other potential problems that can cause exposure to underlying impacted soils. Any area of erosion, settling, vegetative damage, cracking, etc. will be documented and repaired. A log of the inspections and all repairs will be maintained on site by the property owner; is included as Attachment B, *Continuing Obligations Inspection and Maintenance Log*; and will be available for submittal to or inspection by WDNR representatives upon their request. In addition, if problems are noted in the designated cap area at any time during the year, repairs will be scheduled as soon as practical.

Prohibited Activities and WDNR Notification Requirements

The following activities, outside of those required for cap maintenance, are prohibited on the property within the area of the cap shown on Figure E-1 unless prior written approval has been obtained from the WDNR or its successor:

- Removing or replacing the cap with another barrier. Any replacement cap would be subject to the same guidelines as outlined in this MP, unless indicated otherwise by the WDNR or its successor.
- Excavating or grading of the land surface.
- Filling on capped areas.
- Plowing for agricultural cultivation.
- Constructing or placing a building or other structure in an area where a soil cover or other barrier is required.
- Changing the use or occupancy of the property to a commercial or residential exposure setting, including single or multiple family residence, a school, day care, senior center, hospital, or similar commercial or residential exposure setting.

If removal, replacement or other changes to a cover are considered, the property owner will contact DNR at least 45 days before taking such an action, to determine whether further action may be necessary to protect human health, safety, or welfare or the environment, in accordance with s. NR 727.07, Wis. Adm. Code.

The property owner will:

- Notify the WDNR if any pertinent problem occurs for two or more successive inspections.
- Maintain a copy of this MP on site.
- Make the MP available to all interested parties (i.e., on-site employees, contractors, future property owners, etc.) for viewing upon request.
- Keep this MP up to date and revised as necessary, per NR 724.13(4).

This MP can be amended or withdrawn by the property owner and its successors with the written approval of the WDNR or its successor.

Contact Information

August 2019

Property owner: National Presto Industries, Inc.
c/o Derrick Paul
3925 North Hastings Way, Eau Claire, WI 54703
(715) 839-2141

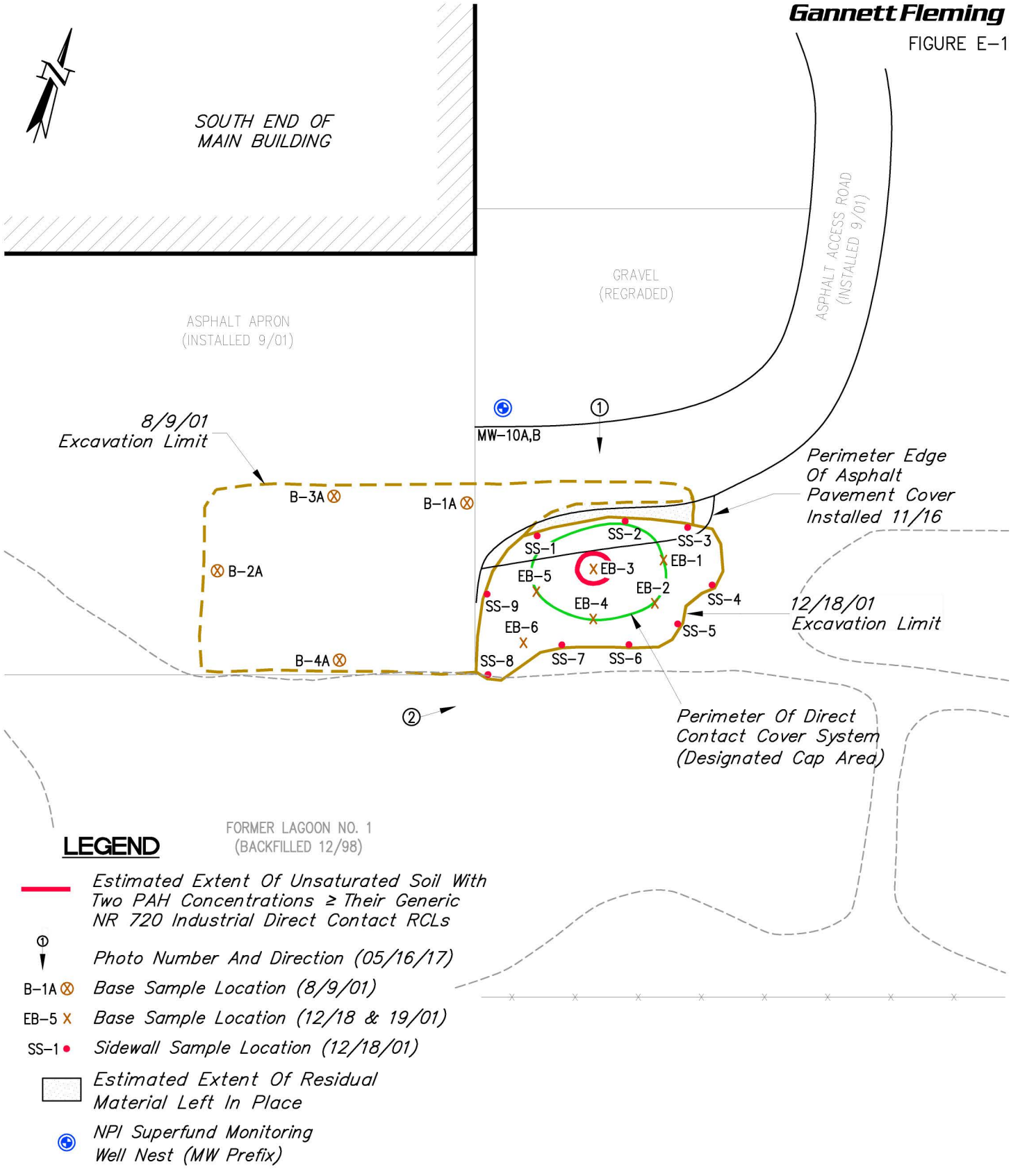
Signature: 

Consultant: Gannett Fleming, Inc.
c/o Cliff Wright
8040 Excelsior Drive, Suite 303, Madison, WI 53717-1338
(608) 836-1500 ext. 6722

Project manager: Mae Willkom
WDNR
1300 West Clairemont Avenue, Eau Claire, WI 54701
(715) 839-3748

Gannett Fleming

FIGURE E-1



LEGEND

- Estimated Extent Of Unsaturated Soil With Two PAH Concentrations ≥ Their Generic NR 720 Industrial Direct Contact RCLs
- ① Photo Number And Direction (05/16/17)
- B-1A ⊗ Base Sample Location (8/9/01)
- EB-5 X Base Sample Location (12/18 & 19/01)
- SS-1 • Sidewall Sample Location (12/18/01)
- Estimated Extent Of Residual Material Left In Place
- NPI Superfund Monitoring Well Nest (MW Prefix)

0 50

Approximate Scale In Feet

DIRECT CONTACT COVER SYSTEM MAP (LOADING DOCK AREA)

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

080919
ccw_R34283-000_2019_1RAR_FE1

ATTACHMENT A

PHOTOGRAPHS OF THE LDA CAP

Client Name:	Site Location:	Project No.
National Presto Industries, Inc. (NPI)	NPI Loading Dock Area, Eau Claire, Wisconsin	34283.000

Photo No.	Date:
1	05/16/17

Description:
View looking south at the asphalt patch installed in November 2016 (darker strip of asphalt on far side of access road) and vegetated soil cover of the Loading Dock Area (LDA) cap. Figure E-1 includes a symbol showing photo number and direction for reference.
.

Photo No.	Date:
2	05/16/17

Description:
View looking east at the asphalt patch installed in November 2016 and vegetated soil cover of the LDA cap. A parked semi-trailer to the left (not pictured here but seen in Photo No. 1 above) limited access. Figure E-1 includes a symbol showing photo number and direction for reference.

ATTACHMENT B

CONTINUING OBLIGATIONS MAINTENANCE AND INSPECTION LOG

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Continuing Obligations Inspection and Maintenance Log

Form 4400-305 (2/14)

Directions: In accordance with s. NR 727.05 (1) (b) 3., Wis. Adm. Code, use of this form for documenting the inspections and maintenance of certain continuing obligations is required. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.]. When using this form, identify the condition that is being inspected. See the closure approval letter for this site for requirements regarding the submittal of this form to the Department of Natural Resources. A copy of this inspection log is required to be maintained either on the property, or at a location specified in the closure approval letter. Do NOT delete previous inspection results. This form was developed to provide a continuous history of site inspection results. The Department of Natural Resources project manager is identified in the closure letter. The project manager may also be identified from the database, BRRTS on the Web, at http://dnr.wi.gov/botw/SetUpBasicSearchForm.do, by searching for the site using the BRRTS ID number, and then looking in the "Who" section.

Activity (Site) Name	BRRTS No.
National Presto Industries (LDA)	02-09-000267

Inspections are required to be conducted (see closure approval letter):

- (●) annually
- ( ) semi-annually
- ( ) other – specify ____________

When submittal of this form is required, submit the form electronically to the DNR project manager. An electronic version of this filled out form, or a scanned version may be sent to the following email address (see closure approval letter):

Inspection Date	Inspector Name	Item	Describe the condition of the item that is being inspected	Recommendations for repair or maintenance	Previous recommendations implemented?	Photographs taken and attached?
		☐ monitoring well ☒ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			○ Y ○ N	○ Y ○ N

{Click to Add/Edit Image}	Date added:
Title:	

{Click to Add/Edit Image}	Date added:
Title:	

APPENDIX F (available upon request)

CD WITH HISTORICAL SOIL DATA

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE OF CONTENTS
HISTORICAL SOIL DATA (APPENDIX F)

APPENDIX F-1

BACKGROUND METALS SOIL DATA

NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

TABLE 4-10 (continued)

SUMMARY OF ANALYSES

DRY WELLS (WATER, SOIL AND SEDIMENT SAMPLES)

3. Detected Metals

A. Water (µg/l)

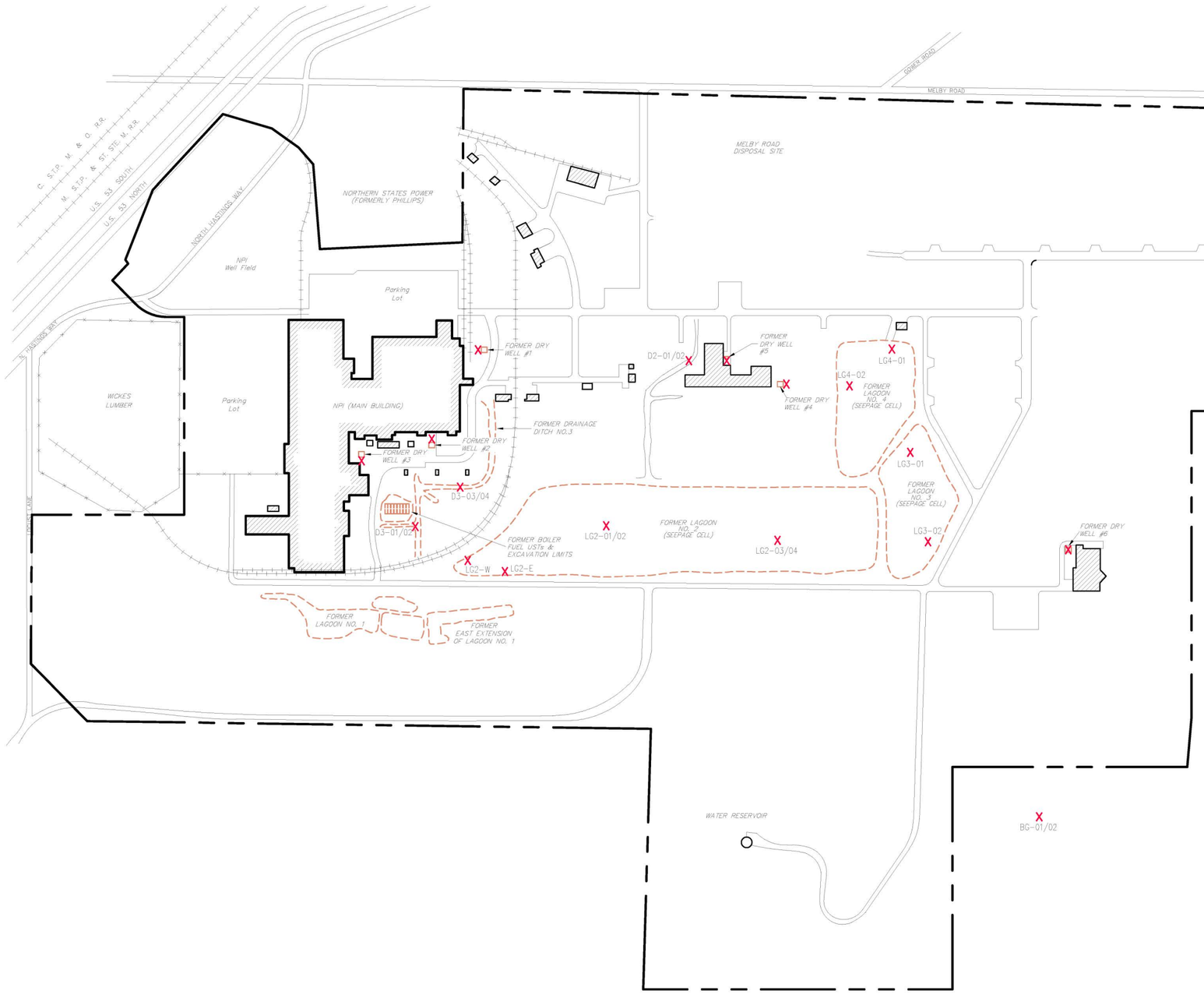
	DW-2	DW-3
Cadmium	14	<4
Copper	16	18
Lead	7.7	17.3
Zinc	149	257

B. Solid Samples (mg/kg)

	BG-01 (0-.5')	BG-02 (1-1.5')	DW-1 (soil 22')	DW-2 (soil 22')	DW-3 (soil 22')	DW-4 (soil 22')	DW-5 (Bottom Sediment)	DW-6 (Bottom Sediment)
Barium	36.1	38.4	<38	<39	56	<41	<41	<39
Chromium	5.2	7.1	<5.4	192	<5.6	<5.8	25	<5.6
Copper	<2.6	10.4	<5.9	<6.1	<6.1	<6.4	483	<6.2
Lead	12.6	5.7	26	32	<2.8	4.1	21	79
Nickel	<3.5	<3.5	<13	<13	<13	<14	32	<13
Vanadium	9.0	10.1	13	<11	<11	13	23	<11
Zinc	9.3	7.5	<8.1	311	<8.4	17	278	10

Notes: See Appendix F for raw data tabulation which contains TICs, data qualifiers, and detection limits.
Soil samples were collected adjacent to inaccesible dry wells (#1, 2, 3 and 4)

G:\SITES\49707\tb4-10.wk1



LEGEND

X *Remedial Investigation Soil Sample Location (1987–1989)*

—— *NPI Property Line*

NOTES:

1. *Soil samples were collected in Oct 1987 adjacent to Dry Wells #1–#4 because they were inaccessible.*
2. *Soil samples were collected in Oct 1987 from Dry Wells #5 and #6.*
3. *LG3 and LG4 samples were field screened with an OVA in Nov 1987 and no organic vapors were detected. Consequently, no samples were submitted for lab analysis, as specified in the QAPP.*
4. *See March 1994 Remedial Investigation report for additional details.*

0 500

Approximate Scale In Feet

080819
ccw_R34283-000_2019_1RAR_WCX

SITE PLAN

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

Source document (2 of 2): *Results of Soil Excavation & Solids Removal Dry Wells #2/#5, DD3, EDS, and Out-of-Scope Activities;* (Sept 23, 1998) Page 1 of 2.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

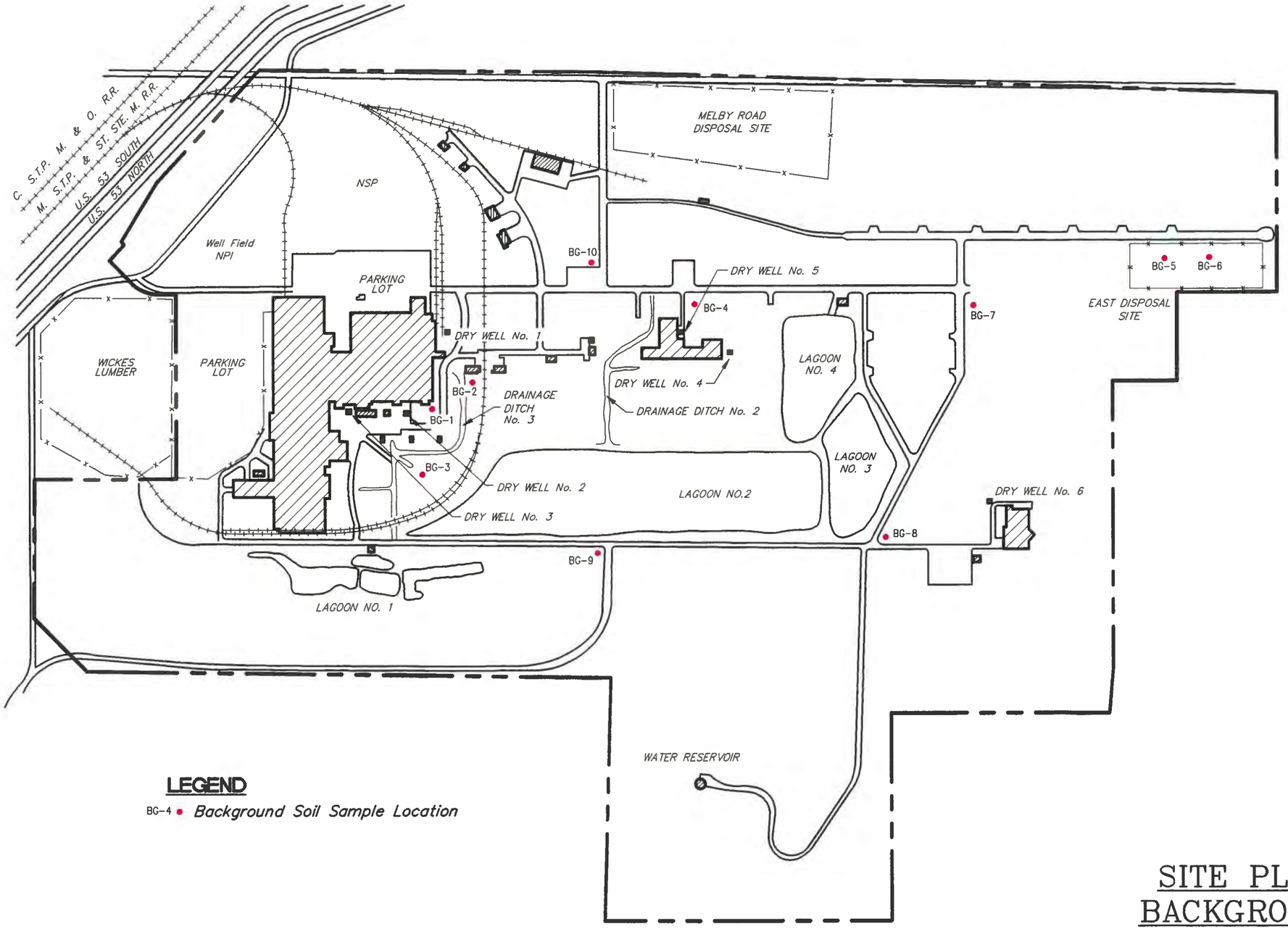
TABLE 1

ANALYTICAL RESULTS - BACKGROUND METAL CONCENTRATIONS IN SOIL (mg/kg)

Sample No.	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag	V	Zn	Hg
BG-1 (1-3')	6.45	43.7	<0.11	9.69	10.7	1.77	7.85	<0.65	<0.35	19.5	14.6	0.018
BG-1 (8-10')	3.01	9.06	<0.1	5.48	4.60	0.671	6.07	<0.62	<0.33	12.6	10.1	<0.01
BG-2 (1-3')	2.51	26.4	<0.11	5.56	10.0	<0.56	7.08	<0.63	<0.34	11.0	11.6	<0.011
BG-2 (8-10')	3.01	24.8	<0.1	6.04	8.52	<0.55	5.59	<0.62	<0.33	9.79	9.35	0.089
BG-3 (1-3')	5.57	50.5	<0.11	11.4	6.23	1.91	9.16	<0.65	<0.35	22.5	18.0	0.016
BG-3 (8-10')	2.98	27.8	<0.1	8.52	11.5	0.862	8.30	<0.62	<0.33	16.5	12.0	<0.01
BG-4 (1-3')	4.75	54.4	<0.11	11.4	4.36	2.10	7.86	<0.65	<0.34	20.8	17.0	0.013
BG-4 (8-10')	3.73	21.0	<0.1	13.0	13.4	0.669	10.8	<0.63	<0.33	14.9	15.4	<0.01
BG-5 (1-3')	3.50	11.2	<0.1	6.61	4.13	0.651	6.01	<0.63	<0.34	13.1	8.70	<0.01
BG-5 (8-10')	0.783	6.30	<0.11	2.95	2.67	<0.58	1.85	<0.65	<0.35	5.49	3.21	<0.011
BG-6 (1-3')	5.65	141	<0.12	10.3	8.35	4.91	6.46	<0.71	<0.38	13.7	25.5	0.175
BG-6 (8-10')	6.13	22.9	<0.1	12.0	12.6	1.23	15.7	<0.63	<0.34	24.3	18.6	<0.01
Range (1-3')	2.51- 6.45	11.2 - 141	--	5.56 - 11.4	4.13 - 10.7	<0.56 - 4.91	6.01 - 9.16	--	--	11.0 - 22.5	8.70 - 25.5	--
Average (1-3')	4.74	54.5	--	9.16	7.3	<1.98	7.40	--	--	16.77	15.9	--
Range (8-10')	0.783 - 6.13	6.3 - 27.8	--	2.95 - 13.0	2.67 - 13.4	<0.55 - 1.23	1.85 - 15.7	--	--	5.49 - 24.3	3.21 - 18.6	--
Average (8-10')	3.27	18.6	--	8.00	8.88	<0.76	8.05	--	--	13.93	11.44	--
Overall Range	0.783 - 6.45	6.3 - 141	<0.1 - <0.12	2.95 - 13.0	2.67 - 13.4	<0.55 - 4.91	1.85 - 15.7	<0.62 - <0.71	<0.33 - <0.38	5.49 - 24.3	3.21 - 25.5	<0.01 - 0.175
Overall Average	4.01	36.6	<0.11	8.58	8.09	<1.37	7.73	<0.64	<0.34	15.35	13.67	<0.032

NOTES:

Samples were collected on June 11 and 12, 1998, using a conventional drill rig, hollow-stem augers, and stainless steel split-spoon sampler.
- - = Difference in concentrations is insignificant.



Note: Samples BG-7 through BG-10 were collected but not analyzed because metal concentrations were relatively uniform in BG-1through BG-6.

SITE PLAN WITH BACKGROUND SOIL SAMPLE LOCATIONS

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

091598
34286WAP

APPENDIX F-2

DRAINAGE DITCH 2 SOIL DATA

NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

TABLE 4-11

SUMMARY OF ANALYSES

DITCH 2 & 3 SAMPLES (SOIL AND WASTE FORGE COMPOUND)

1. Detected HSL VOCs (µg/kg)

	DITCH 3	
	D3-01-02 (FC-0-1.5')	D3-03-02 (NS-5-6.5')
1,1-Dichloroethane	11,000	<3,500
1,1,1-Trichloroethane	48,000	<5,000
Toluene	2,800	<5,600

No VOCs detected in Ditch 2

2. Detected HSL SVOCs (µg/kg)

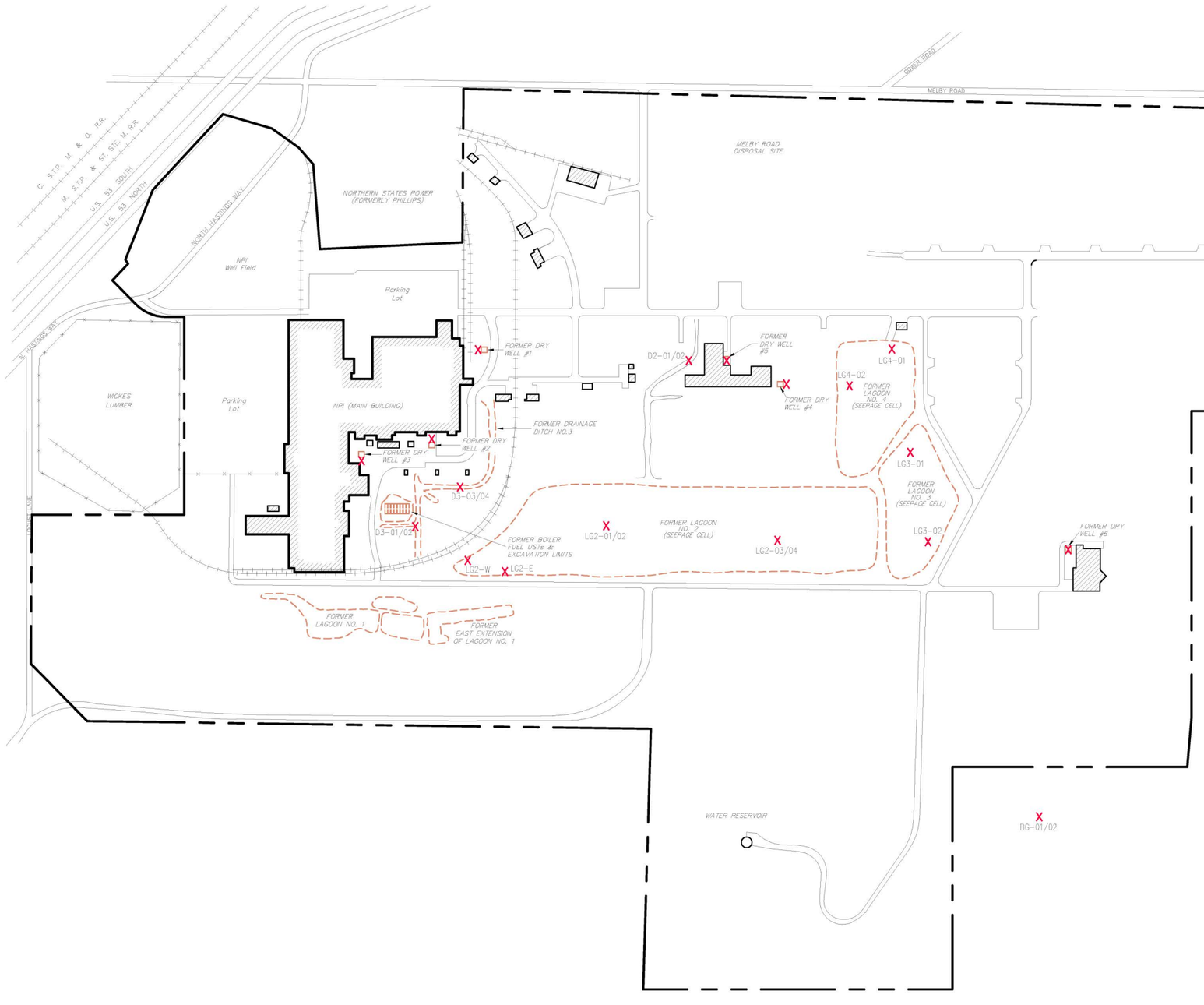
None Detected

3. Detected Metals (mg/kg)

A. Ditch 2	BACKGROUND SOIL		DITCH SAMPLES			
	BG-01 (0-.5 ft.)	BG-02 (1-1.5 ft.)	D2-01-01 (NS-0-.5')	D2-02-01 (NS-1-1.5')	D2-03-01 (NS-0-.5')	D2-04-01 (NS-1-1.5')
Arsenic	<2.0	<2.0				
Barium	36.1	38,4	22.5	16.6	18.6	39.8
Cadmium	<1.0	<1.0	-	-	-	3.2
Chromium	5.2	7.1	9.4	6.9	13.5	15.9
Copper	<2.6	10.4	17.8	18.3	11.6	19.0
Lead	12.6	5.7	22.8	1.8	7.4	5.7
Nickel	<3.5	<3.5	-	-	45.4	38.7
Vanadium	9.0	10.1	19.3	24.3	23.9	40.8
Zinc	9.3	7.5	23.2	16.0	123	81.0

B. Ditch 3	BG-01 (0-.5 ft.)	BG-02 (1-1.5 ft.)	D3-01-01 (FC 0-1.5')	D3-02-01 (NS 5-6')	D3-03-01 (NS 0-1.5')	D3-04-01 (FC 5-6')
Arsenic	<2.0	<2.0				
Barium	36.1	38,4	55.2	17.9	43.4	16.5
Cadmium	<1.0	<1.0	13.9	1.4	2.3	1.1
Chromium	5.2	7.1	129	11.6	32.8	6.6
Copper	<2.6	10.4	104	22.6	66.2	14.5
Lead	12.6	5.7	5.7	4.1	124	1.1
Nickel	<3.5	<3.5	232	23.8	59.7	8.7
Vanadium	9.0	10.1	45.8	11.8	28.4	13.3
Zinc	9.3	7.5	452	19.8	94.6	8.8

Note: See Appendix F for raw data tabulation which contains TICs, data qualifiers, and detection limits.
49707\tb4-11.wk1



LEGEND

X *Remedial Investigation Soil Sample Location (1987–1989)*

—— *NPI Property Line*

NOTES:

1. *Soil samples were collected in Oct 1987 adjacent to Dry Wells #1–#4 because they were inaccessible.*
2. *Soil samples were collected in Oct 1987 from Dry Wells #5 and #6.*
3. *LG3 and LG4 samples were field screened with an OVA in Nov 1987 and no organic vapors were detected. Consequently, no samples were submitted for lab analysis, as specified in the QAPP.*
4. *See March 1994 Remedial Investigation report for additional details.*

0 500

Approximate Scale In Feet

080819
ccw_R34283-000_2019_1RAR_WCX

SITE PLAN

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

APPENDIX F-3

DRAINAGE DITCH 3 SOIL DATA

NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

TABLE 4-11

SUMMARY OF ANALYSES

DITCH 2 & 3 SAMPLES (SOIL AND WASTE FORGE COMPOUND)

1. Detected HSL VOCs (µg/kg)

	DITCH 3	
	D3-01-02 (FC-0-1.5')	D3-03-02 (NS-5-6.5')
1,1-Dichloroethane	11,000	<3,500
1,1,1-Trichloroethane	48,000	<5,000
Toluene	2,800	<5,600

No VOCs detected in Ditch 2

2. Detected HSL SVOCs (µg/kg)

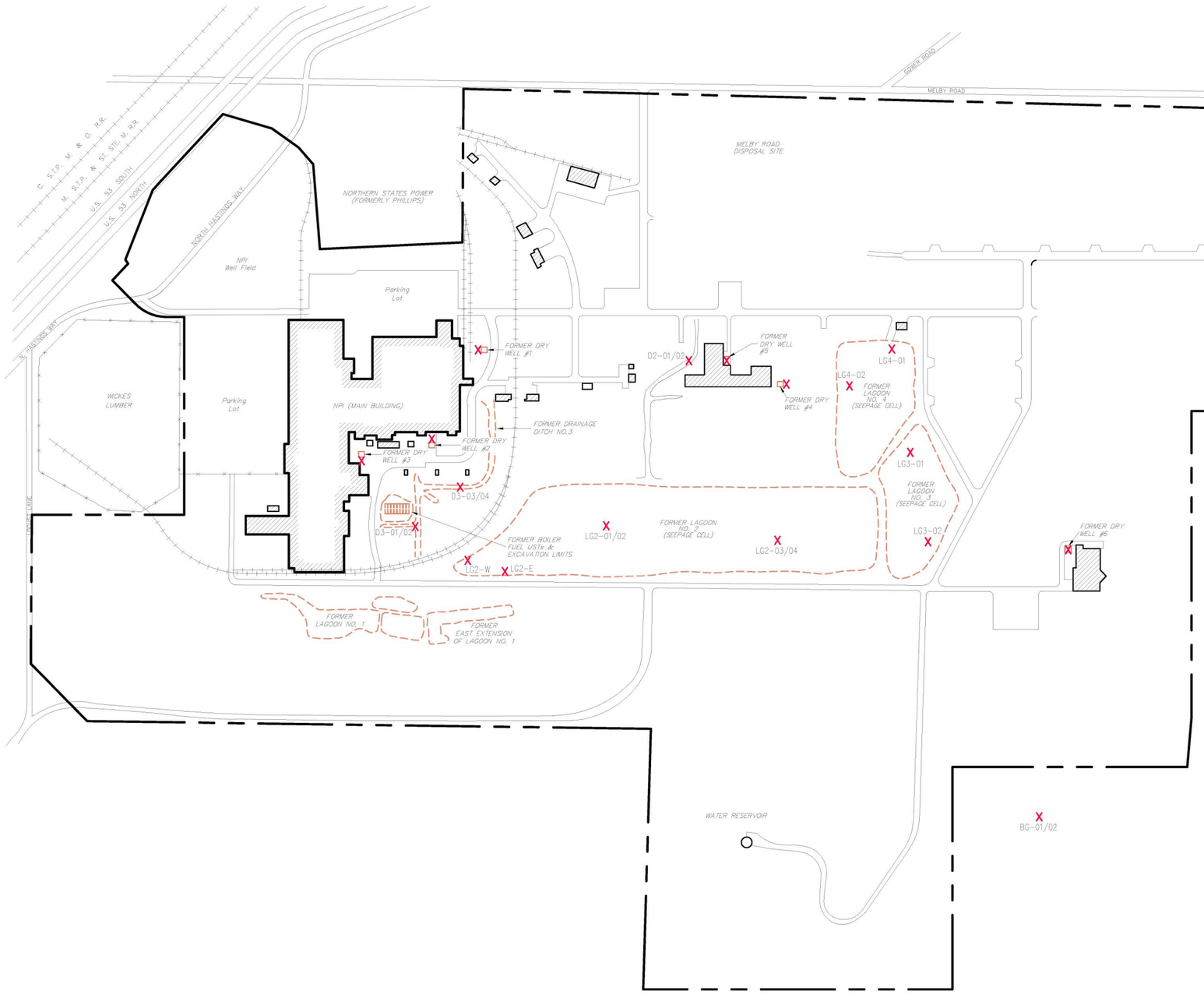
None Detected

3. Detected Metals (mg/kg)

A. Ditch 2	BACKGROUND SOIL		DITCH SAMPLES			
	BG-01 (0-.5 ft.)	BG-02 (1-1.5 ft.)	D2-01-01 (NS-0-.5')	D2-02-01 (NS-1-1.5')	D2-03-01 (NS-0-.5')	D2-04-01 (NS-1-1.5')
Arsenic	<2.0	<2.0				
Barium	36.1	38,4	22.5	16.6	18.6	39.8
Cadmium	<1.0	<1.0	-	-	-	3.2
Chromium	5.2	7.1	9.4	6.9	13.5	15.9
Copper	<2.6	10.4	17.8	18.3	11.6	19.0
Lead	12.6	5.7	22.8	1.8	7.4	5.7
Nickel	<3.5	<3.5	-	-	45.4	38.7
Vanadium	9.0	10.1	19.3	24.3	23.9	40.8
Zinc	9.3	7.5	23.2	16.0	123	81.0

B. Ditch 3	BG-01 (0-.5 ft.)	BG-02 (1-1.5 ft.)	D3-01-01 (FC 0-1.5')	D3-02-01 (NS 5-6')	D3-03-01 (NS 0-1.5')	D3-04-01 (FC 5-6')
Arsenic	<2.0	<2.0				
Barium	36.1	38,4	55.2	17.9	43.4	16.5
Cadmium	<1.0	<1.0	13.9	1.4	2.3	1.1
Chromium	5.2	7.1	129	11.6	32.8	6.6
Copper	<2.6	10.4	104	22.6	66.2	14.5
Lead	12.6	5.7	5.7	4.1	124	1.1
Nickel	<3.5	<3.5	232	23.8	59.7	8.7
Vanadium	9.0	10.1	45.8	11.8	28.4	13.3
Zinc	9.3	7.5	452	19.8	94.6	8.8

Note: See Appendix F for raw data tabulation which contains TICs, data qualifiers, and detection limits.
49707\tb4-11.wk1



LEGEND

X *Remedial Investigation Soil Sample Location (1987–1989)*

—— *NPI Property Line*

NOTES:

1. *Soil samples were collected in Oct 1987 adjacent to Dry Wells #1–#4 because they were inaccessible.*
2. *Soil samples were collected in Oct 1987 from Dry Wells #5 and #6.*
3. *LG3 and LG4 samples were field screened with an OVA in Nov 1987 and no organic vapors were detected. Consequently, no samples were submitted for lab analysis, as specified in the QAPP.*
4. *See March 1994 Remedial Investigation report for additional details.*

0 500

Approximate Scale In Feet

080819
ccw_R34283-000_2019_1RAR_WCX

SITE PLAN

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

Gannett Fleming

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 2

DRAINAGE DITCH #3 CONFIRMATION SOIL SAMPLE FIELD SCREENING DATA (ppmv) AND LABORATORY ANALYTICAL RESULTS (mg/kg)

Description/Sample ID	DD3-0B	DD3-0E	DD3-0W	DD3-100B	DD3-100E	DD3-100W	DD3-200B	DD3-200B2	DD3-200B3	NR 720 RCL (mg/kg)		
Sample Date	6/17/98	6/17/98	6/17/98	6/17/98	6/17/98	6/17/98	6/17/98	10/23/98	10/23/98	Soil to	Non-Industrial	Industrial
Base/Sidewall	Base	Sidewall	Sidewall	Base	Sidewall	Sidewall	Base	Base	Base	Groundwater	Direct	Direct
FID (ppmv)	0.2	0	0.1	0.4	0.2	0	0.4	nm	nm	Pathway	Contact	Contact
Detected metals												
Cadmium	0.698	*0.809*	*3.0*	0.259	0.305	<0.11	*1.54*	na	na	*0.752*	71.1	**985**
Copper	14.3	26.9	*180*	11.9	19.7	7.84	*134*	na	na	*91.6*	3130	**46700**
Lead	6.48	*63.6*	*66.3*	11.1	12.1	4.7	*535*	*37.3*	16.0	*27*	400	**800**
Zinc	18.0	49.0	183	26.5	85.4	25.7	91.9	na	na	NS	23500	**100000**
Detected volatile organic compounds (VOCs)												
n-Butylbenzene	<0.021	<0.022	0.0297	<0.022	<0.022	<0.027	<0.021	na	na	NS	108	**108**
Chloromethane	<0.021	<0.022	<0.022	<0.022	<0.022	<0.027	<0.021	na	na	*0.0155*	159	**669**
1,2-Dichlorobenzene	<0.021	<0.022	0.0493	<0.022	<0.022	<0.027	<0.021	na	na	*1.168*	376	**376**
1,4-Dichlorobenzene	<0.021	<0.022	*1.12*	<0.022	<0.022	<0.027	<0.021	na	na	*0.144*	3.74	**16.4**
Methyl tert butyl ether	<0.021	<0.022	<0.022	<0.022	<0.022	<0.027	<0.021	na	na	*0.027*	63.8	**282**
Naphthalene	<0.021	<0.022	0.339	<0.022	<0.022	<0.027	<0.021	na	na	*0.6582*	5.52	**24.1**
Toluene	<0.021	<0.022	0.0224	<0.022	<0.022	<0.027	<0.021	na	na	*1.1072*	818	**818**
1,1,1-Trichloroethane	<0.021	<0.022	<0.022	<0.022	<0.022	<0.027	<0.021	na	na	*0.1402*	640	**640**
Trichlorofluoromethane	<0.021	0.0382	<0.022	0.0264	0.0299	0.0670	<0.021	na	na	*4.4775*	1230	**1230**
1,2,4-TMB	<0.021	<0.022	<0.022	<0.022	<0.022	<0.027	<0.021	na	na	NS	219	**219**
1,3,5-TMB	<0.021	<0.022	<0.022	<0.022	<0.022	<0.027	<0.021	na	na	NS	182	**182**
TMBs combined	<0.042	<0.044	<0.044	<0.044	<0.044	<0.054	<0.042	na	na	*1.3821*	NS	NS
Detected polychlorinated biphenyls (PCBs)												
Aroclor 1260	*0.103*	na	na	na	na	na	na	na	na	*0.0094*	0.243	**1**
Shallow Soil (Industrial) Multiple Contaminant Cumulative[(1)]												
Cancer Risk (CCR)	1.0E-07	--	8.5E-08	--	--	--	1.5E-10	--	--	NR 720.12 CCR Threshold=1E-05		
Hazard Index (HI)	--	0.0795	0.0908	--	--	--	0.674	--	--	NR 720.12 HI Threshold=1.0		

TABLE 2

DRAINAGE DITCH #3 CONFIRMATION SOIL SAMPLE FIELD SCREENING DATA (ppmv) AND LABORATORY ANALYTICAL RESULTS (mg/kg)

Description/Sample ID	DD3-200E	DD3-200W	DD3-300B	DD3-300E	DD3-300W	DD3-350B	DD3-400B	DD3-400N	NR 720 RCL (mg/kg)		
Sample Date	6/17/98	6/17/98	6/17/98	6/17/98	6/17/98	6/17/98	6/18/98	6/18/98	Soil to Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact
Base/Sidewall	Sidewall	Sidewall	Base	Sidewall	Sidewall	Base	Base	Sidewall			
FID (ppmv)	0	0	0	0	0	0	0	0			
Detected metals											
Cadmium	0.134	<0.1	0.153	<0.1	0.102	--	<0.1	0.106	*0.752*	71.1	**985**
Copper	14.9	12.2	13.2	16.1	13.5	--	16.8	9.79	*91.6*	3130	**46700**
Lead	1.84	1.65	1.31	0.914	0.840	--	2.27	6.56	*27*	400	**800**
Zinc	23.5	17.5	19.6	15.1	17.6	--	16.2	27.8	NS	23500	**100000**
Detected volatile organic compounds (VOCs)											
n-Butylbenzene	<0.021	<0.022	<0.022	<0.022	<0.022	--	<0.02	<0.021	NS	108	**108**
Chloromethane	<0.021	<0.022	*0.0265*	*0.0283*	*0.0237*	--	<0.02	<0.021	*0.0155*	159	**669**
1,2-Dichlorobenzene	<0.021	<0.022	<0.022	<0.022	<0.022	--	<0.02	<0.021	*1.168*	376	**376**
1,4-Dichlorobenzene	<0.021	<0.022	<0.022	<0.022	<0.022	--	0.0211	<0.021	*0.144*	3.74	**16.4**
Methyl tert butyl ether	<0.021	<0.022	<0.022	<0.022	<0.022	--	*0.124*	*0.319*	*0.027*	63.8	**282**
Naphthalene	<0.021	<0.022	<0.022	<0.022	<0.022	--	0.0786	<0.021	*0.6582*	5.52	**24.1**
Toluene	<0.021	<0.022	<0.022	<0.022	<0.022	--	<0.02	<0.021	*1.1072*	818	**818**
1,1,1-Trichloroethane	<0.021	<0.022	<0.022	<0.022	<0.022	--	<0.02	<0.021	*0.1402*	640	**640**
Trichlorofluoromethane	0.0369	0.0249	0.0802	0.0578	<0.022	--	<0.02	<0.021	*4.4775*	1230	**1230**
1,2,4-TMB	<0.021	<0.022	<0.02	<0.022	<0.022	--	<0.02	<0.021	NS	219	**219**
1,3,5-TMB	<0.021	<0.022	<0.02	<0.022	<0.022	--	<0.02	<0.021	NS	182	**182**
TMBs combined	<0.042	<0.044	<0.04	<0.044	<0.044	--	<0.04	<0.042	*1.3821*	NS	NS
Detected polychlorinated biphenyls (PCBs)											
Aroclor 1260	--	--	--	--	--	<0.0082	--	--	*0.0094*	0.243	**1**
Shallow Soil (Industrial) Multiple Contaminant Cumulative[(1)]											
Cancer Risk (CCR)	--	--	--	--	--	--	5.0E-10	1.1E-09	NR 720.12 CCR Threshold=1E-05		
Hazard Index (HI)	--	--	--	--	--	--	0.0001	--	NR 720.12 HI Threshold=1.0		

TABLE 2

DRAINAGE DITCH #3 CONFIRMATION SOIL SAMPLE FIELD SCREENING DATA (ppmv) AND LABORATORY ANALYTICAL RESULTS (mg/kg)

Description/Sample ID	DD3-400S	DD3-475-B	DD3-500B	DD3-500B2	DD3-500N	DD3-500S	DD3-NTB	DD3-NTE	NR 720 RCL (mg/kg)		
Sample Date	6/18/98	6/18/98	6/18/98	6/22/98	6/18/98	6/18/98	6/18/98	6/18/98	Soil to Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact
Base/Sidewall	Sidewall	Base	Base	Base	Sidewall	Sidewall	Base	Sidewall			
FID (ppmv)	0.2	0.1	2.2	2.1	1.0	0.2	0.1	0			
Detected metals											
Cadmium	0.156	<0.1	0.293	0.237	0.128	<0.11	*1.31*	<0.11	*0.752*	71.1	**985**
Copper	14.7	22.8	14.5	9.49	9.19	3.52	50.2	10.4	*91.6*	3130	**46700**
Lead	4.82	1.27	1.49	<0.57	1.30	<0.56	6.77	1.79	*27*	400	**800**
Zinc	25.4	17.3	22.4	19.1	20.8	4.73	52.9	14.6	NS	23500	**100000**
Detected volatile organic compounds (VOCs)											
n-Butylbenzene	<0.021	<0.021	<0.022	<0.023	<0.024	<0.023	<0.022	<0.022	NS	108	**108**
Chloromethane	<0.021	<0.021	<0.022	<0.023	<0.024	<0.023	<0.022	<0.022	*0.0155*	159	**669**
1,2-Dichlorobenzene	<0.021	<0.021	<0.022	<0.023	<0.024	<0.023	<0.022	<0.022	*1.168*	376	**376**
1,4-Dichlorobenzene	<0.021	<0.021	<0.022	<0.023	<0.024	<0.023	<0.022	<0.022	*0.144*	3.74	**16.4**
Methyl tert butyl ether	*0.312*	*0.184*	*0.300*	0.0251	*0.0774*	<0.023	<0.022	<0.022	*0.027*	63.8	**282**
Naphthalene	<0.021	<0.021	<0.022	<0.023	<0.024	<0.023	<0.022	<0.022	*0.6582*	5.52	**24.1**
Toluene	<0.021	<0.021	<0.022	<0.023	<0.024	<0.023	<0.022	<0.022	*1.1072*	818	**818**
1,1,1-Trichloroethane	<0.021	<0.021	0.0501	0.0438	<0.024	<0.023	<0.022	0.0546	*0.1402*	640	**640**
Trichlorofluoromethane	<0.021	<0.021	<0.022	<0.023	<0.024	<0.023	<0.022	<0.022	*4.4775*	1230	**1230**
1,2,4-TMB	<0.021	<0.021	<0.022	<0.023	<0.024	<0.023	<0.022	<0.022	NS	219	**219**
1,3,5-TMB	<0.021	<0.021	<0.022	<0.023	<0.024	<0.023	<0.022	<0.022	NS	182	**182**
TMBs combined	<0.042	<0.042	<0.044	<0.046	<0.048	<0.046	<0.044	<0.044	*1.3821*	NS	NS
Detected polychlorinated biphenyls (PCBs)											
Aroclor 1260	--	--	--	--	--	--	--	--	*0.0094*	0.243	**1**
Shallow Soil (Industrial) Multiple Contaminant Cumulative[(1)]											
Cancer Risk (CCR)	1.1E-09	6.5E-10	1.1E-09	8.9E-11	2.7E-10	--	1.2E-10	--	NR 720.12 CCR Threshold=1E-05		
Hazard Index (HI)	--	--	--	--	--	--	0.0024	--	NR 720.12 HI Threshold=1.0		

TABLE 2

DRAINAGE DITCH #3 CONFIRMATION SOIL SAMPLE FIELD SCREENING DATA (ppmv) AND LABORATORY ANALYTICAL RESULTS (mg/kg)

Description/Sample ID	DD3-NTW	DD3-600B	DD3-600N	DD3-600S	DD3-WTB	DD3-WTN	DD3-WTS	DD3-700B	NR 720 RCL (mg/kg)		
Sample Date	6/18/98	6/19/98	6/19/98	6/19/98	6/22/98	6/22/98	6/22/98	6/23/98	Soil to Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact
Base/Sidewall	Sidewall	Base	Sidewall	Sidewall	Base	Sidewall	Sidewall	Base			
FID (ppmv)	0	0.4	0.1	0.4	0	0	0.1	1.8			
Detected metals											
Cadmium	0.669	<0.1	0.194	0.339	<0.1	<0.1	<0.11	*0.895*	*0.752*	71.1	**985**
Copper	32.7	11.0	12.7	22.5	17.0	9.92	5.43	26.7	*91.6*	3130	**46700**
Lead	12.2	<0.55	0.695	2.21	0.919	1.43	2.99	<0.55	*27*	400	**800**
Zinc	54.1	12.5	15.1	17.5	26.7	14.7	16.0	33.8	NS	23500	**100000**
Detected volatile organic compounds (VOCs)											
n-Butylbenzene	<0.022	<0.023	<0.022	<0.021	<0.022	<0.022	<0.024	<0.022	NS	108	**108**
Chloromethane	<0.022	<0.023	<0.022	<0.021	<0.022	<0.022	<0.024	<0.022	*0.0155*	159	**669**
1,2-Dichlorobenzene	<0.022	<0.023	<0.022	<0.021	<0.022	<0.022	<0.024	<0.022	*1.168*	376	**376**
1,4-Dichlorobenzene	<0.022	<0.023	<0.022	<0.021	<0.022	<0.022	<0.024	<0.022	*0.144*	3.74	**16.4**
Methyl tert butyl ether	<0.022	<0.023	<0.022	<0.021	*0.0295*	*0.0517*	*0.0461*	<0.022	*0.027*	63.8	**282**
Naphthalene	<0.022	<0.023	<0.022	<0.021	<0.022	<0.022	<0.024	<0.022	*0.6582*	5.52	**24.1**
Toluene	<0.022	<0.023	<0.022	<0.021	<0.022	<0.022	<0.024	<0.022	*1.1072*	818	**818**
1,1,1-Trichloroethane	0.0493	<0.023	<0.022	<0.021	<0.022	<0.022	<0.024	<0.022	*0.1402*	640	**640**
Trichlorofluoromethane	<0.022	<0.023	<0.022	<0.021	<0.022	<0.022	<0.024	<0.022	*4.4775*	1230	**1230**
1,2,4-TMB	<0.022	<0.023	<0.022	<0.021	<0.022	<0.022	<0.024	<0.022	NS	219	**219**
1,3,5-TMB	<0.022	<0.023	<0.022	<0.021	<0.022	<0.022	<0.024	<0.022	NS	182	**182**
TMBs combined	<0.044	<0.046	<0.044	<0.042	<0.044	<0.044	<0.048	<0.044	*1.3821*	NS	NS
Detected polychlorinated biphenyls (PCBs)											
Aroclor 1260	--	<0.0072	--	--	--	--	--	--	*0.0094*	0.243	**1**
Shallow Soil (Industrial) Multiple Contaminant Cumulative[(1)]											
Cancer Risk (CCR)	--	--	--	--	1.0E-10	1.8E-10	1.6E-10	--	NR 720.12 CCR Threshold=1E-05		
Hazard Index (HI)	--	--	--	--	--	--	--	--	NR 720.12 HI Threshold=1.0		

TABLE 2

DRAINAGE DITCH #3 CONFIRMATION SOIL SAMPLE FIELD SCREENING DATA (ppmv) AND LABORATORY ANALYTICAL RESULTS (mg/kg)

Description/Sample ID	DD3-700E	DD3-700W	DD3-800B	DD3-800E	DD3-800W	DD3-900B	DD3-900E	DD3-900W	NR 720 RCL (mg/kg)		
Sample Date	6/23/98	6/23/98	6/23/98	6/23/98	6/23/98	6/23/98	6/23/98	6/23/98	Soil to	Non-Industrial	Industrial
Base/Sidewall	Sidewall	Sidewall	Base	Sidewall	Sidewall	Base	Sidewall	Sidewall	Groundwater	Direct	Direct
FID (ppmv)	0	0	0.2	0.1	0.1	0	0	0.2	Pathway	Contact	Contact
Detected metals											
Cadmium	*0.804*	0.491	<0.1	*1.09*	*1.83*	0.665	0.447	*5.23*	*0.752*	71.1	**985**
Copper	23.1	13.7	12.5	22.0	46.3	16.3	15.2	85.2	*91.6*	3130	**46700**
Lead	0.711	0.583	0.697	<0.55	3.45	1.80	2.21	3.05	*27*	400	**800**
Zinc	27.3	20.3	10.9	17.9	46.6	21.7	24.7	91.1	NS	23500	**100000**
Detected volatile organic compounds (VOCs)											
n-Butylbenzene	<0.022	<0.021	<0.023	<0.022	<0.022	<0.021	<0.021	<0.021	NS	108	**108**
Chloromethane	<0.022	<0.021	<0.023	<0.022	<0.022	<0.021	<0.021	<0.021	*0.0155*	159	**669**
1,2-Dichlorobenzene	<0.022	<0.021	<0.023	<0.022	<0.022	<0.021	<0.021	<0.021	*1.168*	376	**376**
1,4-Dichlorobenzene	<0.022	<0.021	<0.023	<0.022	<0.022	<0.021	<0.021	<0.021	*0.144*	3.74	**16.4**
Methyl tert butyl ether	<0.022	<0.021	<0.023	<0.022	<0.022	<0.021	<0.021	<0.021	*0.027*	63.8	**282**
Naphthalene	<0.022	<0.021	<0.023	<0.022	<0.022	<0.021	<0.021	<0.021	*0.6582*	5.52	**24.1**
Toluene	<0.022	<0.021	<0.023	<0.022	<0.022	<0.021	<0.021	<0.021	*1.1072*	818	**818**
1,1,1-Trichloroethane	<0.022	<0.021	<0.023	<0.022	<0.022	<0.021	<0.021	<0.021	*0.1402*	640	**640**
Trichlorofluoromethane	<0.022	0.0796	0.0364	<0.022	<0.022	<0.021	<0.021	<0.021	*4.4775*	1230	**1230**
1,2,4-TMB	0.0305	<0.021	<0.023	<0.022	<0.022	<0.021	<0.021	<0.021	NS	219	**219**
1,3,5-TMB	<0.022	<0.021	<0.023	<0.022	<0.022	<0.021	<0.021	<0.021	NS	182	**182**
TMBs combined	<0.0525	<0.042	<0.046	<0.044	<0.044	<0.042	<0.042	<0.042	*1.3821*	NS	NS
Detected polychlorinated biphenyls (PCBs)											
Aroclor 1260	--	--	--	--	--	*0.0202*	--	--	*0.0094*	0.243	**1**
Shallow Soil (Industrial) Multiple Contaminant Cumulative[(1)]											
Cancer Risk (CCR)	--	--	--	1.0E-10	1.7E-10	2.0E-08	--	4.9E-10	NR 720.12 CCR Threshold=1E-05		
Hazard Index (HI)	--	--	--	0.0011	0.0028	--	--	0.0071	NR 720.12 HI Threshold=1.0		

TABLE 2

DRAINAGE DITCH #3 CONFIRMATION SOIL SAMPLE FIELD SCREENING DATA (ppmv) AND LABORATORY ANALYTICAL RESULTS (mg/kg)

Concentrations and NR 720 RCLs are in units of milligrams per kilogram (mg/kg) on a dry-weight basis. Only compounds detected in one or more samples are included in the table.
No results at or above an applicable NR 720 industrial direct contact RCL.
Detected concentrations at or above an applicable NR 720 non-industrial direct contact RCL are in red font.
Detected concentrations at or above an applicable NR 720 soil to groundwater (GW) pathway RCL are italicized.
NR 720 residual contaminant level (RCL) concentrations from WDNR's RR Program Soil RCL Excel workbook updated March 2017.
Sample depths are not shown on table because all samples were conservatively assumed to be within 4 feet of ground surface (ft bgs) at the time of collection. Although a number of the base samples were >4 ft bgs, their depths were not measured or recorded.
DD3-200B2 = Drainage Ditch #3 - Position 200 - first supplemental base sample for lead.
DD3-200B3 = Drainage Ditch #3 - Position 200 - second supplemental base sample for lead.
DD3-500B2 = Drainage Ditch #3 - Position 500 - base sample following supplemental excavation.
FID = Flame ionization detector reading in parts per million, volume (ppmv).
na = Not analyzed.
nm = Not measured.
NS = No standard.
TMBs (combined) = Trimethylbenzenes (1,2,4- and 1,3,5- combined).
-- = Not applicable and/or negligible for CCR and/or HI levels, as shown.

FOOTNOTE:
(1) Industrial/multiple contaminant cumulative cancer risk (CCR) and hazard index (HI) levels, if applicable (for samples within 4 feet of ground surface and based on detected concentrations only). Thresholds are 1E-05 for CCR and 1.0 for HI per NR 720.12(1)(b). No CCR or HI levels at or above their respective thresholds were calculated.

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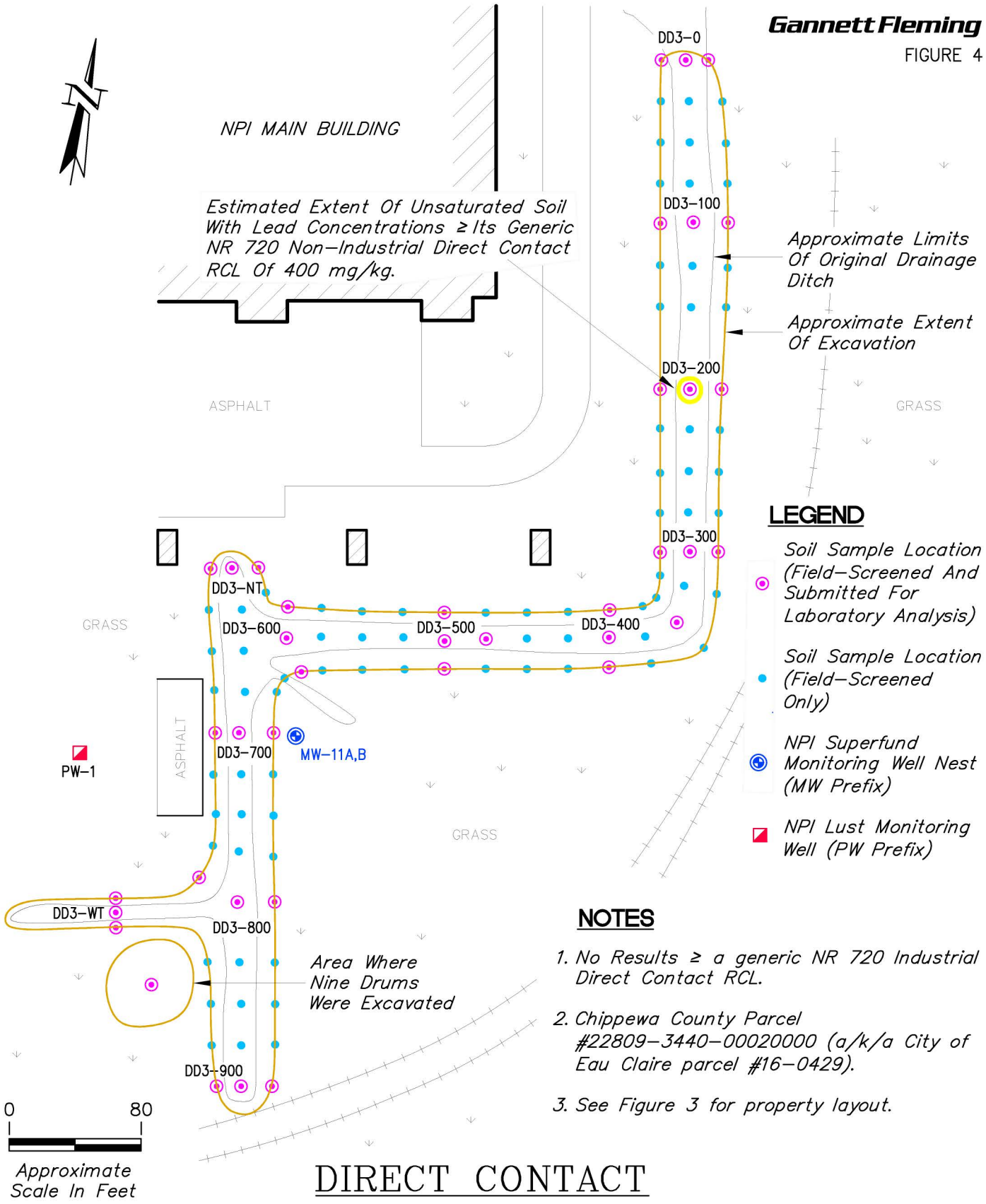
FIGURE 4



LEGEND

- Soil Sample Location (Field-Screened And Submitted For Laboratory Analysis)
- Soil Sample Location (Field-Screened Only)
- NPI Superfund Monitoring Well Nest (MW Prefix)
- NPI Lust Monitoring Well (PW Prefix)

NOTES

1. No Results ≥ a generic NR 720 Industrial Direct Contact RCL.
2. Chippewa County Parcel #22809-3440-00020000 (a/k/a City of Eau Claire parcel #16-0429).
3. See Figure 3 for property layout.

DIRECT CONTACT RESIDUAL SOIL CONTAMINATION DRAINAGE DITCH NO. 3

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

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APPENDIX F-4

DRY WELL #1 SOIL DATA

NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

TABLE 4-10

SUMMARY OF ANALYSES

DRY WELLS (WATER, SOIL AND SEDIMENT SAMPLES)

1. Detected HSL VOCs

A. Water (µg/l)

	DW-2	DW-3
1,1 Dichloroethane	<5	14
Trans-1,2 Dichloroethene	<5	29
Toluene	<5	20
Total Xylenes	<5	64

B. Solids (µg/kg)

	DW-2 (22' Depth)	DW-5 (Bottom Sediment)
1,1-Dichloroethene	13	<620
Trans-1,2 Dichlorothene	11	<620
1,1,1-Trichloroethane	38	<620
Methylene Chloride	<13	1,880
4-Methyl-2-Pentanone	<12	1,500

2. Detected HSL SVOCs

A. Water (µg/l)

	DW-1	DW-2
3,3'-Dichlorobenzidine	20	20

B. Solid Samples (µg/kg)

	DW-1 (22' Depth)	DW-2 (22' Depth)	DW-3 (22' Depth)	DW-4 (22' Depth)	DW-5 (Bottom Sediment)	DW-6 (Bottom Sediment)
Benzoic Acid	9,500	18,000	1,700	<1,800	<22,000	<4,100
Phenanthrene	<1,900	<36,000	<340	<380	79,000	<4,100
Fluoranthene	<1,900	<36,000	<340	<380	89,000	<4,100
3,3'-Dichlorobenzidine	3,800	<72,000	<680	<760	<8,600	36,000
Aroclor 1260	<190	<400	<140	<180	14,000	<830

Notes: See Appendix F for raw data tabulation which contains TICs, data qualifiers, and detection limits.
Soil samples were collected adjacent to inaccesible dry wells (#1, 2, 3 and 4)

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NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

TABLE 4-10 (continued)

SUMMARY OF ANALYSES

DRY WELLS (WATER, SOIL AND SEDIMENT SAMPLES)

3. Detected Metals

A. Water (µg/l)

	DW-2	DW-3
Cadmium	14	<4
Copper	16	18
Lead	7.7	17.3
Zinc	149	257

B. Solid Samples (mg/kg)

	BG-01 (0-.5')	BG-02 (1-1.5')	DW-1 (soil 22')	DW-2 (soil 22')	DW-3 (soil 22')	DW-4 (soil 22')	DW-5 (Bottom Sediment)	DW-6 (Bottom Sediment)
Barium	36.1	38.4	<38	<39	56	<41	<41	<39
Chromium	5.2	7.1	<5.4	192	<5.6	<5.8	25	<5.6
Copper	<2.6	10.4	<5.9	<6.1	<6.1	<6.4	483	<6.2
Lead	12.6	5.7	26	32	<2.8	4.1	21	79
Nickel	<3.5	<3.5	<13	<13	<13	<14	32	<13
Vanadium	9.0	10.1	13	<11	<11	13	23	<11
Zinc	9.3	7.5	<8.1	311	<8.4	17	278	10

Notes: See Appendix F for raw data tabulation which contains TICs, data qualifiers, and detection limits.
Soil samples were collected adjacent to inaccesible dry wells (#1, 2, 3 and 4)

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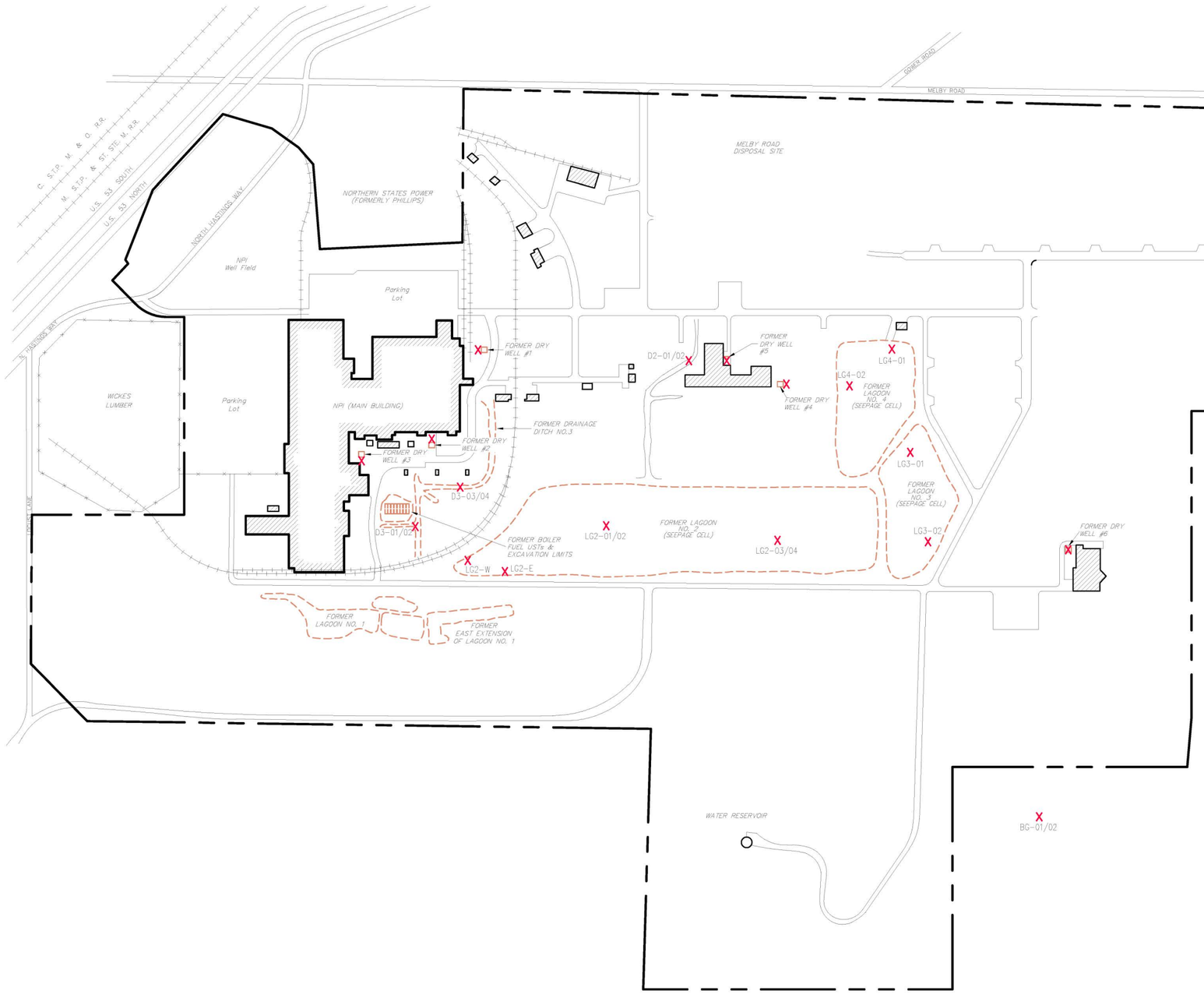

LEGEND

X *Remedial Investigation Soil Sample Location (1987–1989)*

—— *NPI Property Line*

NOTES:

1. *Soil samples were collected in Oct 1987 adjacent to Dry Wells #1–#4 because they were inaccessible.*
2. *Soil samples were collected in Oct 1987 from Dry Wells #5 and #6.*
3. *LG3 and LG4 samples were field screened with an OVA in Nov 1987 and no organic vapors were detected. Consequently, no samples were submitted for lab analysis, as specified in the QAPP.*
4. *See March 1994 Remedial Investigation report for additional details.*

0 500

Approximate Scale In Feet

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SITE PLAN

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

APPENDIX F-5

DRY WELLS #2 AND #5 SOIL DATA

NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

TABLE 4-10

SUMMARY OF ANALYSES

DRY WELLS (WATER, SOIL AND SEDIMENT SAMPLES)

1. Detected HSL VOCs

A. Water (µg/l)

	DW-2	DW-3
1,1 Dichloroethane	<5	14
Trans-1,2 Dichloroethene	<5	29
Toluene	<5	20
Total Xylenes	<5	64

B. Solids (µg/kg)

	DW-2 (22' Depth)	DW-5 (Bottom Sediment)
1,1-Dichloroethene	13	<620
Trans-1,2 Dichlorothene	11	<620
1,1,1-Trichloroethane	38	<620
Methylene Chloride	<13	1,880
4-Methyl-2-Pentanone	<12	1,500

2. Detected HSL SVOCs

A. Water (µg/l)

	DW-1	DW-2
3,3'-Dichlorobenzidine	20	20

B. Solid Samples (µg/kg)

	DW-1 (22' Depth)	DW-2 (22' Depth)	DW-3 (22' Depth)	DW-4 (22' Depth)	DW-5 (Bottom Sediment)	DW-6 (Bottom Sediment)
Benzoic Acid	9,500	18,000	1,700	<1,800	<22,000	<4,100
Phenanthrene	<1,900	<36,000	<340	<380	79,000	<4,100
Fluoranthene	<1,900	<36,000	<340	<380	89,000	<4,100
3,3'-Dichlorobenzidine	3,800	<72,000	<680	<760	<8,600	36,000
Aroclor 1260	<190	<400	<140	<180	14,000	<830

Notes: See Appendix F for raw data tabulation which contains TICs, data qualifiers, and detection limits.
Soil samples were collected adjacent to inaccesible dry wells (#1, 2, 3 and 4)

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NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

TABLE 4-10 (continued)

SUMMARY OF ANALYSES

DRY WELLS (WATER, SOIL AND SEDIMENT SAMPLES)

3. Detected Metals

A. Water (µg/l)

	DW-2	DW-3
Cadmium	14	<4
Copper	16	18
Lead	7.7	17.3
Zinc	149	257

B. Solid Samples (mg/kg)

	BG-01 (0-.5')	BG-02 (1-1.5')	DW-1 (soil 22')	DW-2 (soil 22')	DW-3 (soil 22')	DW-4 (soil 22')	DW-5 (Bottom Sediment)	DW-6 (Bottom Sediment)
Barium	36.1	38.4	<38	<39	56	<41	<41	<39
Chromium	5.2	7.1	<5.4	192	<5.6	<5.8	25	<5.6
Copper	<2.6	10.4	<5.9	<6.1	<6.1	<6.4	483	<6.2
Lead	12.6	5.7	26	32	<2.8	4.1	21	79
Nickel	<3.5	<3.5	<13	<13	<13	<14	32	<13
Vanadium	9.0	10.1	13	<11	<11	13	23	<11
Zinc	9.3	7.5	<8.1	311	<8.4	17	278	10

Notes: See Appendix F for raw data tabulation which contains TICs, data qualifiers, and detection limits.
Soil samples were collected adjacent to inaccesible dry wells (#1, 2, 3 and 4)

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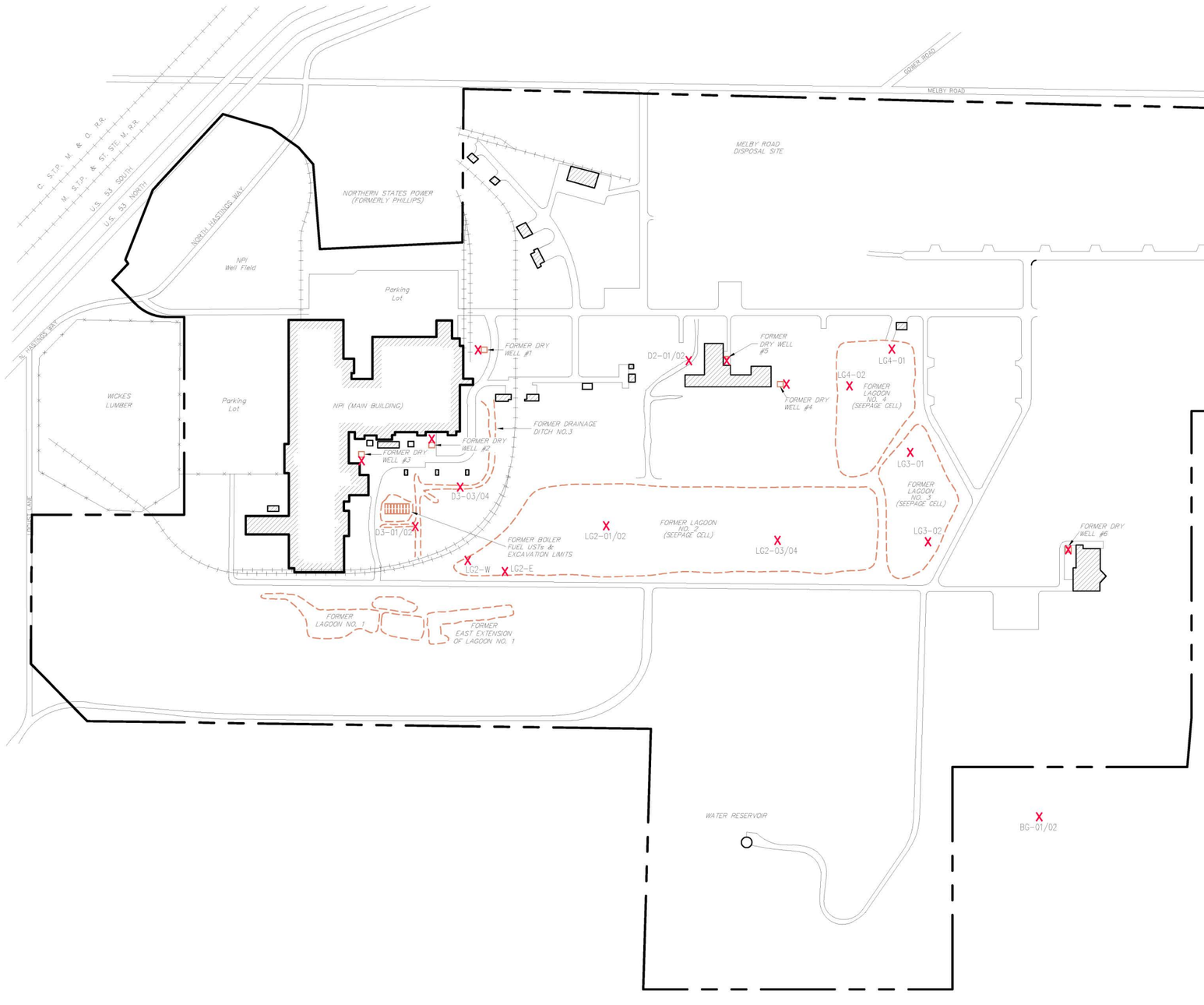

LEGEND

X *Remedial Investigation Soil Sample Location (1987–1989)*

—— *NPI Property Line*

NOTES:

1. *Soil samples were collected in Oct 1987 adjacent to Dry Wells #1–#4 because they were inaccessible.*
2. *Soil samples were collected in Oct 1987 from Dry Wells #5 and #6.*
3. *LG3 and LG4 samples were field screened with an OVA in Nov 1987 and no organic vapors were detected. Consequently, no samples were submitted for lab analysis, as specified in the QAPP.*
4. *See March 1994 Remedial Investigation report for additional details.*

0 500

Approximate Scale In Feet

080819
ccw_R34283-000_2019_1RAR_WCX

SITE PLAN

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 1

ANALYTICAL RESULTS - DRYWELLS #2 AND #5 (mg/kg)

Analyte	Drywell #2				Drywell #5	Background Concentrations	
	DW-2-B1 (1)	DW-2-B2 (2)	DW-2-B1 (3)	DW-2-B2 (3)	DW-5-B (4)		
	06/05/98	06/05/98	06/23/98	06/23/98	06/05/98	Average	Maximum
Metals							
Arsenic	2.02	1.13	1.40	0.873	2.78	4.01	6.45
Barium	29.5	11.0	15.4	9.77	36.1	36.6	141
Cadmium	0.331	1.80	0.527	0.873	<0.1	<0.11	<0.12
Chromium	48.5	67.4	103	79.6	8.71	8.58	13
Copper	9.56	14.3	12.8	16.1	14.2	8.09	13.4
Lead	101	0.746	2.93	6.81	0.99	<1.37	4.91
Nickel	16.1	46.0	53.3	36.5	8.92	7.73	15.7
Selenium	<0.64	<0.63	<0.63	<0.63	<0.63	<0.64	<0.71
Silver	<0.34	<0.34	<0.34	<0.34	<0.33	<0.34	<0.38
Vanadium	3.59	4.24	10.9	5.83	12.0	15.35	24.3
Zinc	16.1	31.4	53.1	58.9	19.0	13.67	25.5
Mercury	<0.011	<0.011	0.0124	<0.011	<0.01	<0.032	0.175
PCBs (5)							
Arochlor-1260	<0.0075	0.00868	0.0765	0.0181	0.0162	NA	NA

NOTES:
The samples collected on 06/05/98 were also analyzed for VOCs (Method 8260) and PAHs (Method 8270). No VOCs or PAHs were present in these samples at or above the detection limit.
NA = Not analyzed.

FOOTNOTES:
(1) Sample collected through the manhole, 10 feet below bottom of drywell (approximately 28 feet bgs), using a conventional drill rig and a stainless steel split-spoon sampler.
(2) Sample collected through the manhole, 15 feet below bottom of drywell (approximately 33 feet bgs), using a conventional drill rig and a stainless steel split-spoon sampler.
(3) Sample collected at the base of the excavation (approximately 23 feet bgs), about 4 to 5 feet below the original base of the drywell, using the clamshell.
(4) Sample collected through the top of the dry well, using a conventional drill rig and a stainless steel split-spoon sampler.
(5) Arochlor-1260 was the only arochlor detected.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 2

ANALYTICAL RESULTS - OUTSIDE SOUTHWEST SIDE OF DRYWELL #2 (mg/kg)

Analyte	DW2-B1	DW2-B2	DW2-E1	DW2-N1	DW2-S1	DW2-W1
Sample Depth (ft)	22	22	20	20	20	20
OVA (ppm)	3.6	38	12	0.4	0.2	4.3
Metals						
Cadmium	2.17	0.560	19.8	1.86	<0.1	4.46
Zinc	648	40.6	63.4	28.7	9.40	283
VOCs						
n-Butylbenzene	<0.034	<0.022	2.23	<0.022	<0.22	<0.022
sec-Butylbenzene	<0.034	<0.022	1.31	<0.022	<0.22	<0.022
Isopropylbenzene	<0.034	<0.022	0.098	<0.022	<0.22	<0.022
Naphthalene	<0.034	<0.022	0.529	<0.022	<0.22	<0.022
1,2,4-TMB	<0.034	0.0235	1.50	<0.022	<0.22	<0.022
1,3,5-TMB	<0.034	<0.022	0.498	<0.022	<0.22	<0.022
Xylenes	<0.034	<0.022	0.269	<0.022	<0.22	<0.022

NOTES:
Only VOCs detected in one or more samples are shown.
Samples were collected on June 16 and 17, 1998.

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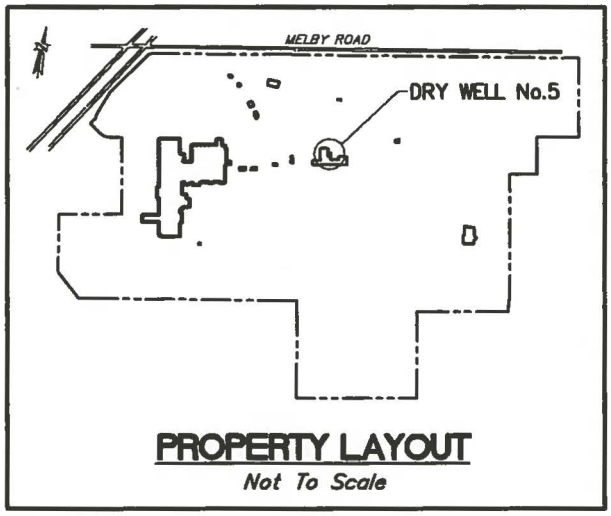
FIGURE 2



GRASS

BUILDING

ASPHALT

Dry Well No.5
(5' Diameter)

DW-5-B

GRASS

LOADING DOCK

NOTE

Sample Was Collected 0–2 Feet Below The Base Of The Drywell Using A Split–Spoon Sampler

LEGEND

Soil Sample Location Collected 6/5/98 (Field–Screened And Submitted For Laboratory Analysis)

0 20

Scale In Feet

CONFIRMATION SOIL SAMPLE LOCATION AT DRY WELL NO. 5

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

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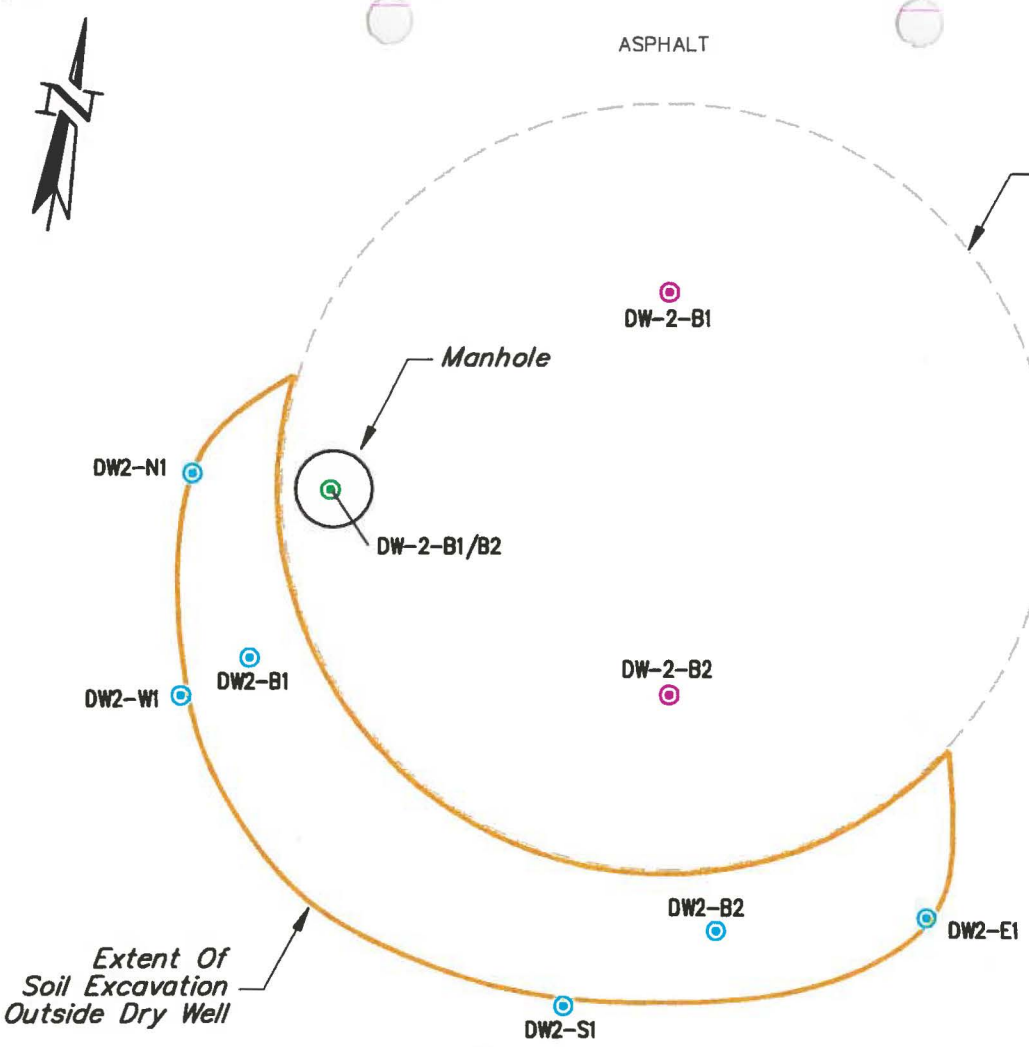
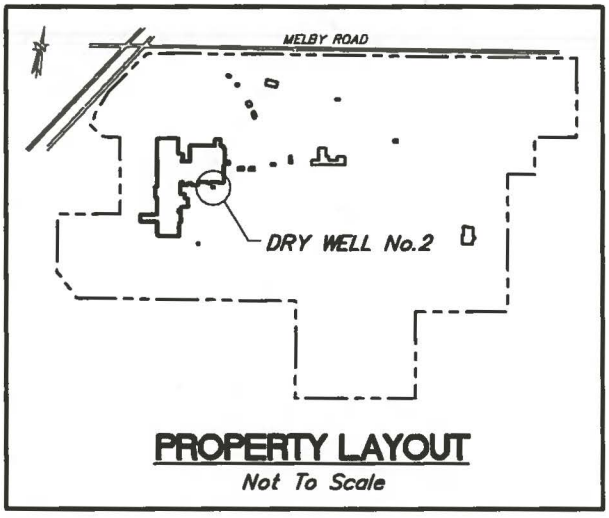
FIGURE 3



LEGEND

- Soil Sample Location (6/5/98) Field-Screened And Submitted For Laboratory Analysis
- Soil Sample Location (6/16&17/98) Field-Screened And Submitted For Laboratory Analysis
- Soil Sample Location (6/23/98) Submitted For Laboratory Analysis



PROPERTY LAYOUT

Not To Scale

0 5

Scale In Feet

CONFIRMATION SOIL SAMPLE LOCATIONS AT DRY WELL NO. 2

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

091699
34286WAR

APPENDIX F-6

DRY WELL #3 SOIL DATA

NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

TABLE 4-10

SUMMARY OF ANALYSES

DRY WELLS (WATER, SOIL AND SEDIMENT SAMPLES)

1. Detected HSL VOCs

A. Water (µg/l)

	DW-2	DW-3
1,1 Dichloroethane	<5	14
Trans-1,2 Dichloroethene	<5	29
Toluene	<5	20
Total Xylenes	<5	64

B. Solids (µg/kg)

	DW-2 (22' Depth)	DW-5 (Bottom Sediment)
1,1-Dichloroethene	13	<620
Trans-1,2 Dichlorothene	11	<620
1,1,1-Trichloroethane	38	<620
Methylene Chloride	<13	1,880
4-Methyl-2-Pentanone	<12	1,500

2. Detected HSL SVOCs

A. Water (µg/l)

	DW-1	DW-2
3,3'-Dichlorobenzidine	20	20

B. Solid Samples (µg/kg)

	DW-1 (22' Depth)	DW-2 (22' Depth)	DW-3 (22' Depth)	DW-4 (22' Depth)	DW-5 (Bottom Sediment)	DW-6 (Bottom Sediment)
Benzoic Acid	9,500	18,000	1,700	<1,800	<22,000	<4,100
Phenanthrene	<1,900	<36,000	<340	<380	79,000	<4,100
Fluoranthene	<1,900	<36,000	<340	<380	89,000	<4,100
3,3'-Dichlorobenzidine	3,800	<72,000	<680	<760	<8,600	36,000
Aroclor 1260	<190	<400	<140	<180	14,000	<830

Notes: See Appendix F for raw data tabulation which contains TICs, data qualifiers, and detection limits.
Soil samples were collected adjacent to inaccesible dry wells (#1, 2, 3 and 4)

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NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

TABLE 4-10 (continued)

SUMMARY OF ANALYSES

DRY WELLS (WATER, SOIL AND SEDIMENT SAMPLES)

3. Detected Metals

A. Water (µg/l)

	DW-2	DW-3
Cadmium	14	<4
Copper	16	18
Lead	7.7	17.3
Zinc	149	257

B. Solid Samples (mg/kg)

	BG-01 (0-.5')	BG-02 (1-1.5')	DW-1 (soil 22')	DW-2 (soil 22')	DW-3 (soil 22')	DW-4 (soil 22')	DW-5 (Bottom Sediment)	DW-6 (Bottom Sediment)
Barium	36.1	38.4	<38	<39	56	<41	<41	<39
Chromium	5.2	7.1	<5.4	192	<5.6	<5.8	25	<5.6
Copper	<2.6	10.4	<5.9	<6.1	<6.1	<6.4	483	<6.2
Lead	12.6	5.7	26	32	<2.8	4.1	21	79
Nickel	<3.5	<3.5	<13	<13	<13	<14	32	<13
Vanadium	9.0	10.1	13	<11	<11	13	23	<11
Zinc	9.3	7.5	<8.1	311	<8.4	17	278	10

Notes: See Appendix F for raw data tabulation which contains TICs, data qualifiers, and detection limits.
Soil samples were collected adjacent to inaccesible dry wells (#1, 2, 3 and 4)

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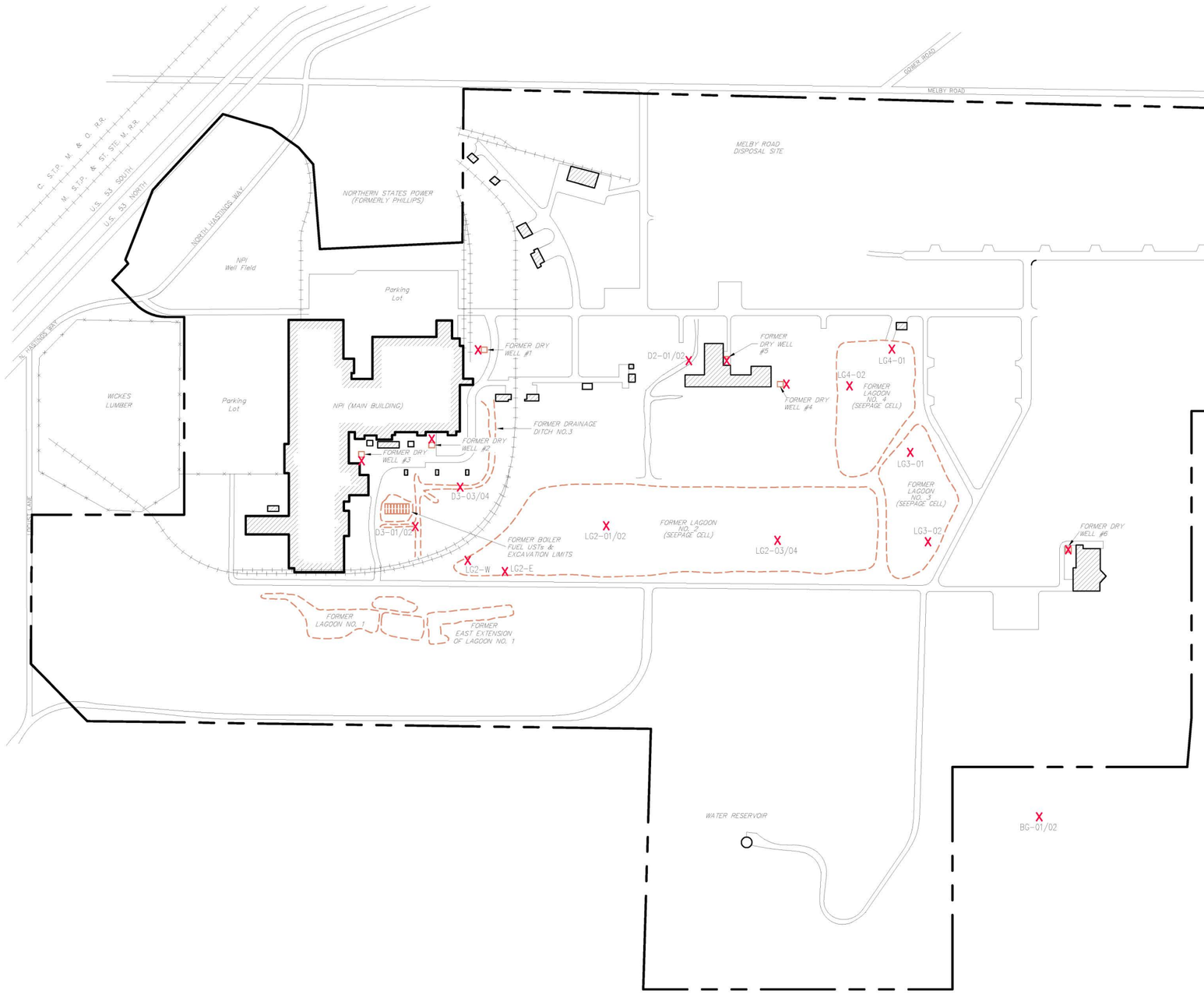

LEGEND

X *Remedial Investigation Soil Sample Location (1987–1989)*

—— *NPI Property Line*

NOTES:

1. *Soil samples were collected in Oct 1987 adjacent to Dry Wells #1–#4 because they were inaccessible.*
2. *Soil samples were collected in Oct 1987 from Dry Wells #5 and #6.*
3. *LG3 and LG4 samples were field screened with an OVA in Nov 1987 and no organic vapors were detected. Consequently, no samples were submitted for lab analysis, as specified in the QAPP.*
4. *See March 1994 Remedial Investigation report for additional details.*

0 500

Approximate Scale In Feet

080819
ccw_R34283-000_2019_1RAR_WCX

SITE PLAN

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

APPENDIX F-7

DRY WELL #4 SOIL DATA

NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

TABLE 4-10

SUMMARY OF ANALYSES

DRY WELLS (WATER, SOIL AND SEDIMENT SAMPLES)

1. Detected HSL VOCs

A. Water (µg/l)

	DW-2	DW-3
1,1 Dichloroethane	<5	14
Trans-1,2 Dichloroethene	<5	29
Toluene	<5	20
Total Xylenes	<5	64

B. Solids (µg/kg)

	DW-2 (22' Depth)	DW-5 (Bottom Sediment)
1,1-Dichloroethene	13	<620
Trans-1,2 Dichlorothene	11	<620
1,1,1-Trichloroethane	38	<620
Methylene Chloride	<13	1,880
4-Methyl-2-Pentanone	<12	1,500

2. Detected HSL SVOCs

A. Water (µg/l)

	DW-1	DW-2
3,3'-Dichlorobenzidine	20	20

B. Solid Samples (µg/kg)

	DW-1 (22' Depth)	DW-2 (22' Depth)	DW-3 (22' Depth)	DW-4 (22' Depth)	DW-5 (Bottom Sediment)	DW-6 (Bottom Sediment)
Benzoic Acid	9,500	18,000	1,700	<1,800	<22,000	<4,100
Phenanthrene	<1,900	<36,000	<340	<380	79,000	<4,100
Fluoranthene	<1,900	<36,000	<340	<380	89,000	<4,100
3,3'-Dichlorobenzidine	3,800	<72,000	<680	<760	<8,600	36,000
Aroclor 1260	<190	<400	<140	<180	14,000	<830

Notes: See Appendix F for raw data tabulation which contains TICs, data qualifiers, and detection limits.
Soil samples were collected adjacent to inaccesible dry wells (#1, 2, 3 and 4)

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NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

TABLE 4-10 (continued)

SUMMARY OF ANALYSES

DRY WELLS (WATER, SOIL AND SEDIMENT SAMPLES)

3. Detected Metals

A. Water (µg/l)

	DW-2	DW-3
Cadmium	14	<4
Copper	16	18
Lead	7.7	17.3
Zinc	149	257

B. Solid Samples (mg/kg)

	BG-01 (0-.5')	BG-02 (1-1.5')	DW-1 (soil 22')	DW-2 (soil 22')	DW-3 (soil 22')	DW-4 (soil 22')	DW-5 (Bottom Sediment)	DW-6 (Bottom Sediment)
Barium	36.1	38.4	<38	<39	56	<41	<41	<39
Chromium	5.2	7.1	<5.4	192	<5.6	<5.8	25	<5.6
Copper	<2.6	10.4	<5.9	<6.1	<6.1	<6.4	483	<6.2
Lead	12.6	5.7	26	32	<2.8	4.1	21	79
Nickel	<3.5	<3.5	<13	<13	<13	<14	32	<13
Vanadium	9.0	10.1	13	<11	<11	13	23	<11
Zinc	9.3	7.5	<8.1	311	<8.4	17	278	10

Notes: See Appendix F for raw data tabulation which contains TICs, data qualifiers, and detection limits.
Soil samples were collected adjacent to inaccesible dry wells (#1, 2, 3 and 4)

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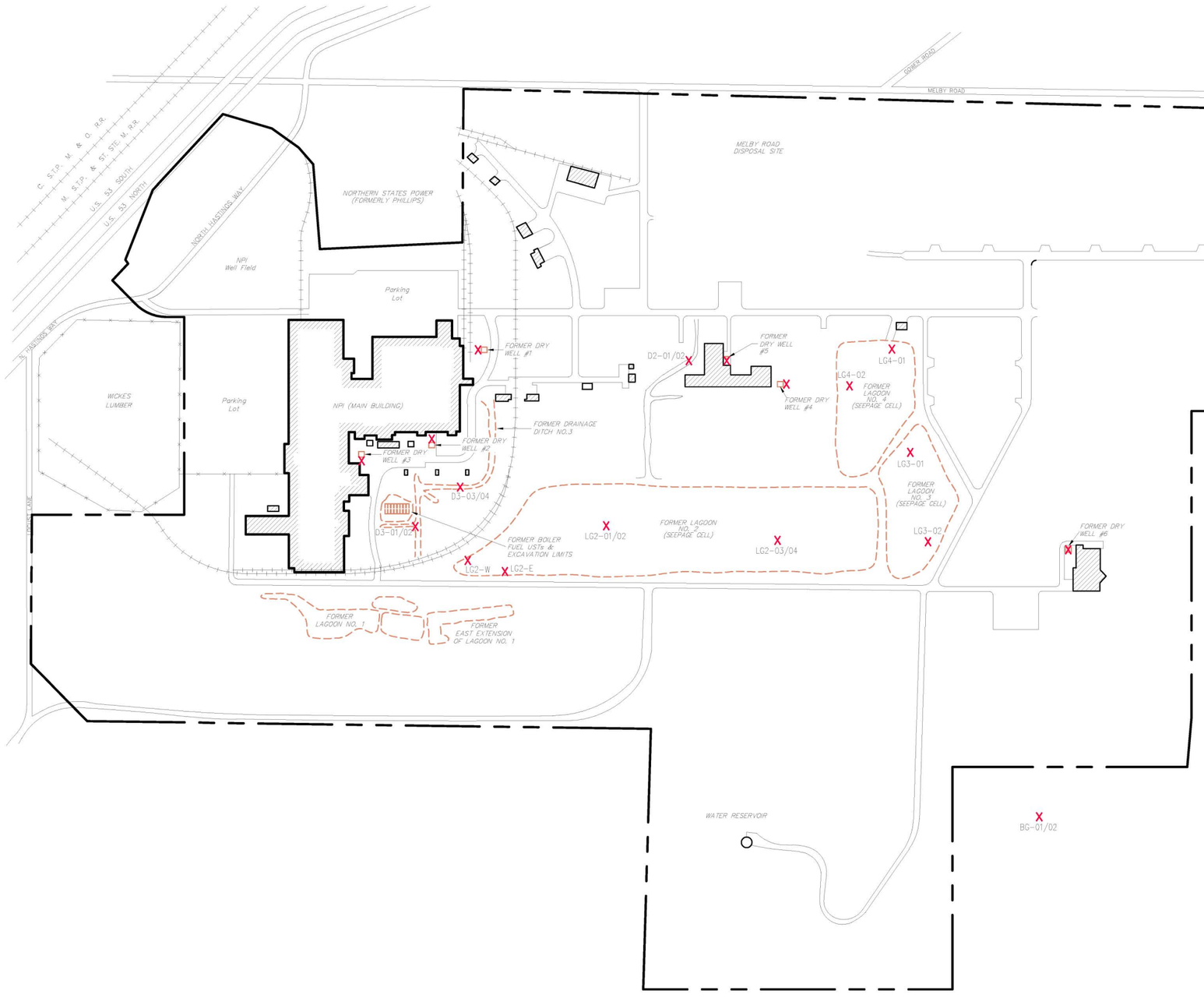

LEGEND

X *Remedial Investigation Soil Sample Location (1987–1989)*

—— *NPI Property Line*

NOTES:

1. *Soil samples were collected in Oct 1987 adjacent to Dry Wells #1–#4 because they were inaccessible.*
2. *Soil samples were collected in Oct 1987 from Dry Wells #5 and #6.*
3. *LG3 and LG4 samples were field screened with an OVA in Nov 1987 and no organic vapors were detected. Consequently, no samples were submitted for lab analysis, as specified in the QAPP.*
4. *See March 1994 Remedial Investigation report for additional details.*

0 500

Approximate Scale In Feet

080819
ccw_R34283-000_2019_1RAR_WCX

SITE PLAN

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

APPENDIX F-8

DRY WELL #6 SOIL DATA

NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

TABLE 4-10

SUMMARY OF ANALYSES

DRY WELLS (WATER, SOIL AND SEDIMENT SAMPLES)

1. Detected HSL VOCs

A. Water (µg/l)

	DW-2	DW-3
1,1 Dichloroethane	<5	14
Trans-1,2 Dichloroethene	<5	29
Toluene	<5	20
Total Xylenes	<5	64

B. Solids (µg/kg)

	DW-2 (22' Depth)	DW-5 (Bottom Sediment)
1,1-Dichloroethene	13	<620
Trans-1,2 Dichlorothene	11	<620
1,1,1-Trichloroethane	38	<620
Methylene Chloride	<13	1,880
4-Methyl-2-Pentanone	<12	1,500

2. Detected HSL SVOCs

A. Water (µg/l)

	DW-1	DW-2
3,3'-Dichlorobenzidine	20	20

B. Solid Samples (µg/kg)

	DW-1 (22' Depth)	DW-2 (22' Depth)	DW-3 (22' Depth)	DW-4 (22' Depth)	DW-5 (Bottom Sediment)	DW-6 (Bottom Sediment)
Benzoic Acid	9,500	18,000	1,700	<1,800	<22,000	<4,100
Phenanthrene	<1,900	<36,000	<340	<380	79,000	<4,100
Fluoranthene	<1,900	<36,000	<340	<380	89,000	<4,100
3,3'-Dichlorobenzidine	3,800	<72,000	<680	<760	<8,600	36,000
Aroclor 1260	<190	<400	<140	<180	14,000	<830

Notes: See Appendix F for raw data tabulation which contains TICs, data qualifiers, and detection limits.
Soil samples were collected adjacent to inaccesible dry wells (#1, 2, 3 and 4)

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NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

TABLE 4-10 (continued)

SUMMARY OF ANALYSES

DRY WELLS (WATER, SOIL AND SEDIMENT SAMPLES)

3. Detected Metals

A. Water (µg/l)

	DW-2	DW-3
Cadmium	14	<4
Copper	16	18
Lead	7.7	17.3
Zinc	149	257

B. Solid Samples (mg/kg)

	BG-01 (0-.5')	BG-02 (1-1.5')	DW-1 (soil 22')	DW-2 (soil 22')	DW-3 (soil 22')	DW-4 (soil 22')	DW-5 (Bottom Sediment)	DW-6 (Bottom Sediment)
Barium	36.1	38.4	<38	<39	56	<41	<41	<39
Chromium	5.2	7.1	<5.4	192	<5.6	<5.8	25	<5.6
Copper	<2.6	10.4	<5.9	<6.1	<6.1	<6.4	483	<6.2
Lead	12.6	5.7	26	32	<2.8	4.1	21	79
Nickel	<3.5	<3.5	<13	<13	<13	<14	32	<13
Vanadium	9.0	10.1	13	<11	<11	13	23	<11
Zinc	9.3	7.5	<8.1	311	<8.4	17	278	10

Notes: See Appendix F for raw data tabulation which contains TICs, data qualifiers, and detection limits.
Soil samples were collected adjacent to inaccesible dry wells (#1, 2, 3 and 4)

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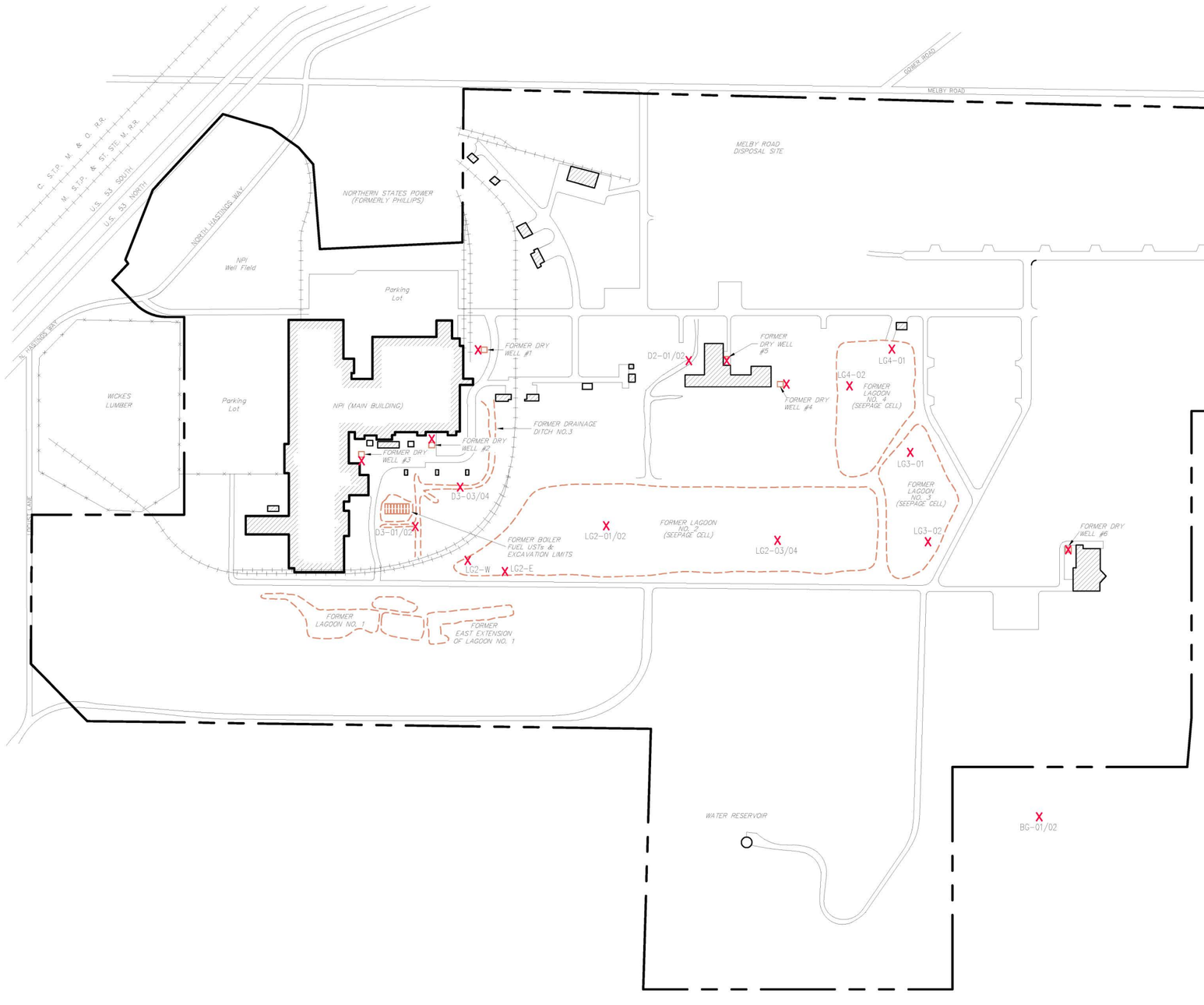


LEGEND

X *Remedial Investigation Soil Sample Location (1987–1989)*

—— *NPI Property Line*

NOTES:

1. *Soil samples were collected in Oct 1987 adjacent to Dry Wells #1–#4 because they were inaccessible.*
2. *Soil samples were collected in Oct 1987 from Dry Wells #5 and #6.*
3. *LG3 and LG4 samples were field screened with an OVA in Nov 1987 and no organic vapors were detected. Consequently, no samples were submitted for lab analysis, as specified in the QAPP.*
4. *See March 1994 Remedial Investigation report for additional details.*

0 500

Approximate Scale In Feet

080819
ccw_R34283-000_2019_1RAR_WCX

SITE PLAN

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

APPENDIX F-9

EAST DISPOSAL SITE SOIL DATA

NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

TABLE 4-8

SUMMARY OF ANALYSES

EAST DISPOSAL SITE (SOIL AND WASTE FORGE COMPOUND)

1. Detected HSL VOCs (µg/kg, solid and waste samples)

A. August 1988 Samples

	EDS-02-02 (3-4.5 ft) Waste Materials	EDS-5-D (8-10 ft) Native Sand
1,1-Dichloroethene	<4900	4100
Trichloroethene	18,000	5800
Benzene	<5000	6000
Toluene	<1000	5600
Chlorobenzene	<1100	6000

B. July 1989 Samples

	C-5-20 (19-21'NS)	D-3-05 (4-6'NS)	E-3-05 (4-6'FC)	E-3-10 (8-10'FC)	G-2-05 (4-6'NS)
1,1,1-Trichloroethane	<5	<5	4,500	140,000	14
Trichloroethene	<5	<5	6,800	<1,000	<5
Benzene	<5	<5	<600	2,100	<5
Toluene	<5	<5	1,900	4,300	<5
Ethylbenzene	<5	<5	2,200	18,000	<5

C. July 1990 Samples

Sample No. and Type		TCE	PCE	1,1,1-TCA	1,1-DCE	1,2-DCE	Methylene Chloride	Acetone	Benzene	Chloro-benzene	Toluene	Xylenes (total)	2-Butanone	Ethyl-benzene
EDS-1-25	NS	6	<6	<6	<6	15	<6	23B	<6	<6	<6	<6	<12	<6
EDS-2-15	NS	4	<6	<6	<6	<6	<6	13B	<6	<6	<6	<6	<11	<6
EDS-3-0	WM	140	4	<6	<6	<6	<6	<11	<6	<6	<6	<6	<11	<6
EDS-3-25	NS	<6	<6	110	<6	<6	5 BJ	45B	<6	<6	<6	<6	<12	<6
EDS-4-25	NS	<6	<6	<6	<6	<6	<6	30	<6	<6	<6	<6	<12	<6
EDS-5-0	WM	4900	<690	1500	<690	<690	310BJ	1300BJ	<690	<690	<690	<690	<1400	<690
EDS-5-25	NS	10	<6	<6	<6	<6	<6	32	<6	<6	<6	<6	<12	<6
EDS-6-0	WM	380	28	<20	<20	<20	<20	38BJ	<20	<20	<20	<20	<40	<20
EDS-6-5	WM	700	15J	<28	<28	<28	17BJ	160B	<28	<28	<28	<28	<57	<28
EDS-6-15	NS	<5	<5	<5	<5	<5	5	36	<5	<5	<5	<5	<11	<5

Notes: J = Estimated B = Compound found in blank sample
Last digits of sample number indicates depth of sample.
WM = waste materials; NS = native sands; and FC = waste forge compound.

NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

TABLE 4-8 (Continued)

SUMMARY OF ANALYSES

EAST DISPOSAL SITE (SOIL AND WASTE FORGE COMPOUND)

C. July 1990 Samples (Continued)

Sample No. and Type		TCE	PCE	1,1,1-TCA	1,1-DCE	1,2-DCE	Methylene Chloride	Acetone	Benzene	Chloro-benzene	Toluene	Xylenes (total)	2-Butanone	Ethyl-benzene
EDS-7-15	NS	<660	<660	<660	<660	<660	<660	<1300	<660	<660	<660	960	<1300	<660
EDS-8-10	NS	1200	<680	<680	<680	<680	320	780	<680	<680	<680	<680	<1400	<680
EDS-9-5	WM	81,000	<2400	<2400	<2400	<2400	1200J	5200	<2400	<2400	<2400	<2400	1200J	<2400
EDS-9-10	NS	4J (38)	<11	<5	<5	<5	<5	19B	<5	<5	<5	<5	<11	<5
EDS-10-0	WM	23	<6	<6	<6	<6	2	17B	<6	<6	<6	<6	<12	<6
EDS-10-25	NS	5J	<6	<6	<6	<6	3J	18B	<6	<6	<6	<6	<12	<6
EDS-11-0	WM	6200	330J	<810	<810	<810	<810	<1600	<810	<810	<810	<810	<1600	<810
EDS-11-5	WM	6700	<810	<870	<870	<870	500J	<1700	<870	<810	<810	<810	<1700	<810
EDS-11-10	NS	<5	<5	<5	<5	<5	3J	17B	<5	<5	<5	<5	<10	<5
EDS-12-5	WM	190	6J	11	<6	<6	4J	23B	<6	<6	<6	<6	<13	<6
EDS-13-0	NS	9	<6	7	<6	<6	5J	3BJ	<6	<6	4J	<6	<11	<6
EDS-13-20	NS	<6	<6	<6	<6	<6	5J	12B	<6	<6	<6	<6	<11	<6
EDS-14-0	NS/WM	3 J	<6	<6	<6	<6	5J	4BJ	<6	<6	<6	<6	<12	<6
EDS-14-20	NS	<6	<6	<6	<6	<6	6J	12B	<6	<6	3J	<6	<11	<6
EDS-15-0	NS	19	<6	<6	<6	<6	8B	22B	<6	<6	<6	<6	<11	<6
EDS-15-20	NS	<6	<6	<6	<6	<6	<6	38	<6	<6	<6	<6	<11	<6
EDS-16-0	NS	<5	<5	<5	<5	<5	3J	7BJ	<5	<5	<5	<5	<11	<5
EDS-16-20	NS	<5	<5	<5	<5	<5	6	48B	<5	<5	<5	<5	7J	<5
EDS-17-0	NS	<5	<5	<5	<5	<5	8	49B	<5	<5	3J	<5	<11	<5
EDS-17-15	NS	<5	<5	<5	<5	<5	4J	5BJ	<5	<5	<5	<5	<11	<5
EDS-CMP-1	FC	<1500	<1500	52,200	1500J	<1500	<1500	2700J	800J	1500	900J	6000	<3000	1200J
EDS-CMP-2	FC	6100J	<890	500J	<890	<890	<890	4400J	<890	<890	<890	<890	1200J	<890

Notes: J = Estimated B = Compound found in blank sample
Last digits of sample number indicates depth of sample.
WM = waste materials; NS = native sands; and FC = waste forge compound.

NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

TABLE 4-8 (Continued)

SUMMARY OF ANALYSES

EAST DISPOSAL SITE (SOIL AND WASTE FORGE COMPOUND)

2. Detected HSL SVOCs (μg/kg, solid samples)

   A. 1988 Samples - None detected
   B. 1989 Samples - Not analyzed
   C. 1990 Samples - Not Analyzed

3. Detected Metals (mg/kg, waste samples)

	EDS-01-01 (0-1.5')	EDS-02-01 (3-4.5')	EDS-03-01 (0-1.5')	EDS-04-01 (3-4.5)	EDS-5 (8-10')
Arsenic	<26.1	23.8	<2.4	<24.4	<2.1
Barium	406	3,790	55.8	268	<5.7
Cadmium	48.7	31.1	4.9	24.2	<1.0
Chromium	103	431	32.4	256	4.6
Copper	10,900	10,100	832	6,230	<2.7
Lead	9.6	18.9	11.5	11.9	1.2
Nickel	187	227	29.3	1,430	<3.5
Vanadium	43.5	83.6	25	92.5	<3.5
Zinc	2,080	3,890	374	2,070	2.3

Note: See Appendix F for raw data tabulation which contains TICs, qualifiers and detection limits. FC = waste forge compound sample NS = native sands

NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

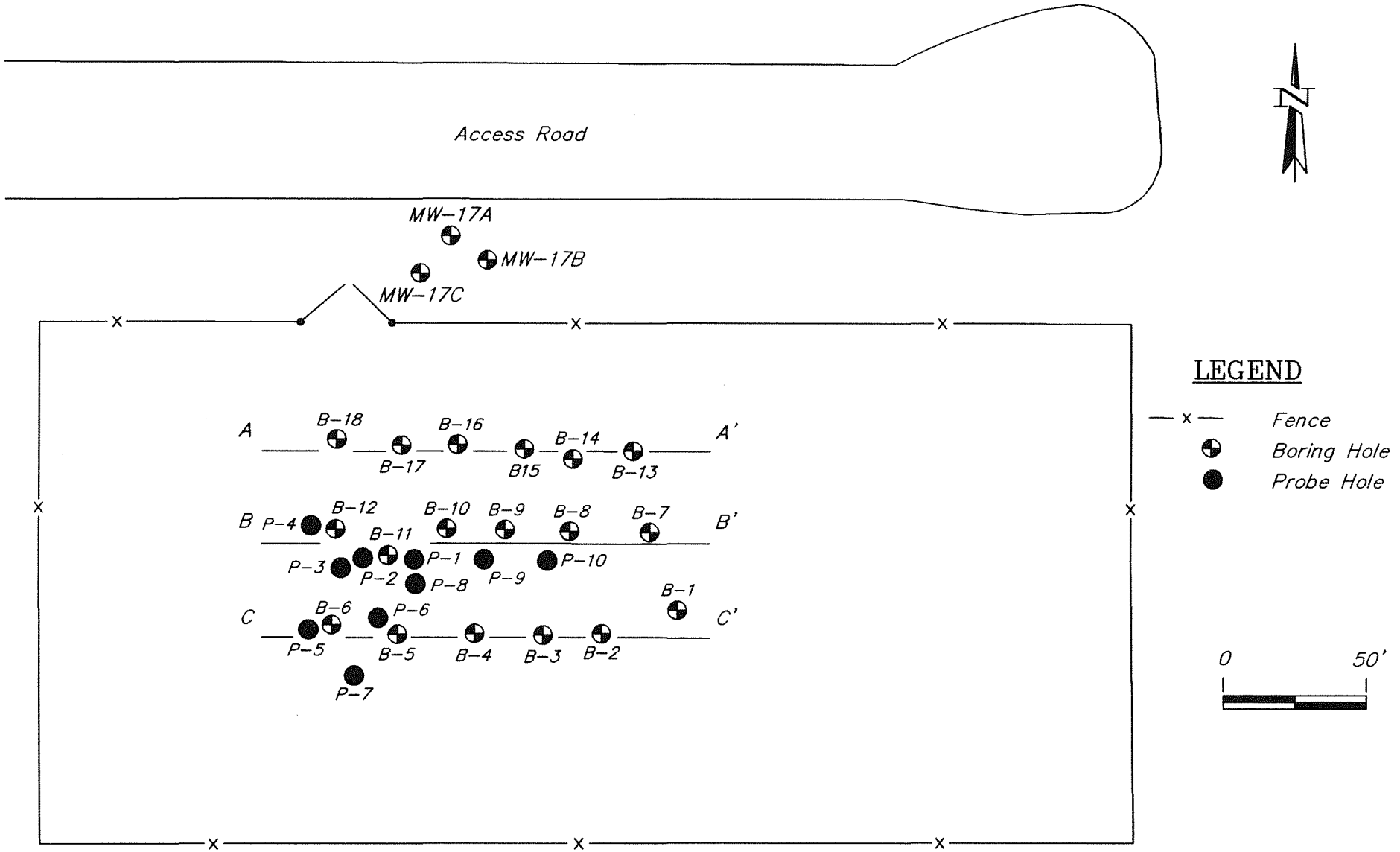
TABLE 4-9

COMPARISON OF HIGHEST EAST DISPOSAL SITE TCLP RESULTS
(JULY 1990)
WITH USEPA TOXICITY CHARACTERISTICS

Parameters	TCLP Result (mg/l)	TC (Regulatory Level) (mg/l)
Trichloroethylene	.034	0.5
1,1,1-Trichloroethane	1.15*	None
1,1-Dichloroethene	.034*	0.1
Toluene	.011	None
Xylene	.036*	None
Acetone	.079	None

* Waste Forge Compound

Note: Five waste samples were analyzed



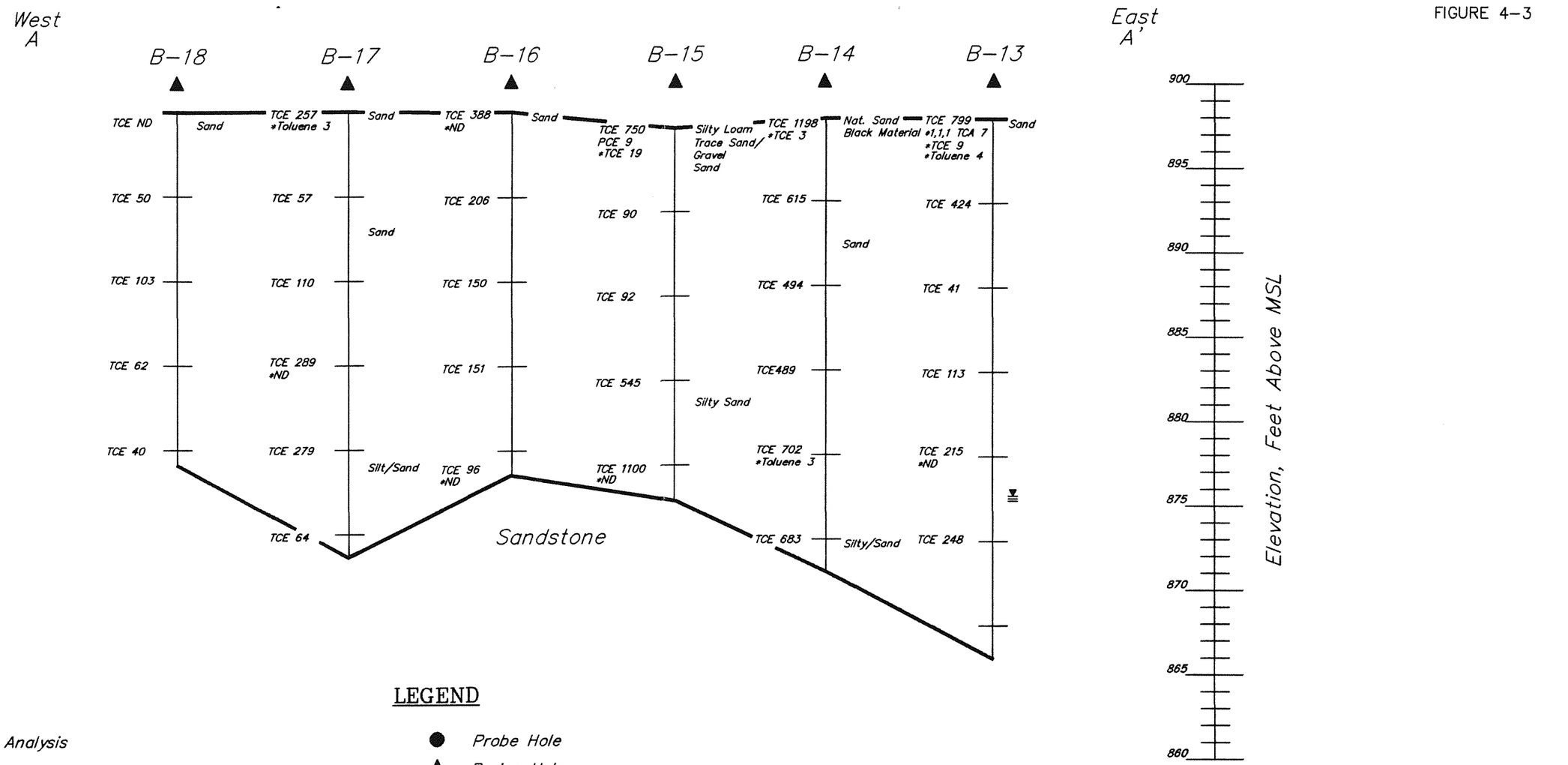
CROSS SECTION LOCATION MAP

EAST DISPOSAL SITE
NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

MS497071
052693

eder associates consulting engineers, p.c.

FIGURE 4-2



NOTES:

* Denotes Lab Analysis

TCE & PCE Concentrations W/O * Are Field GC Results

All Concentrations In PPB (µg/Kg)

LEGEND

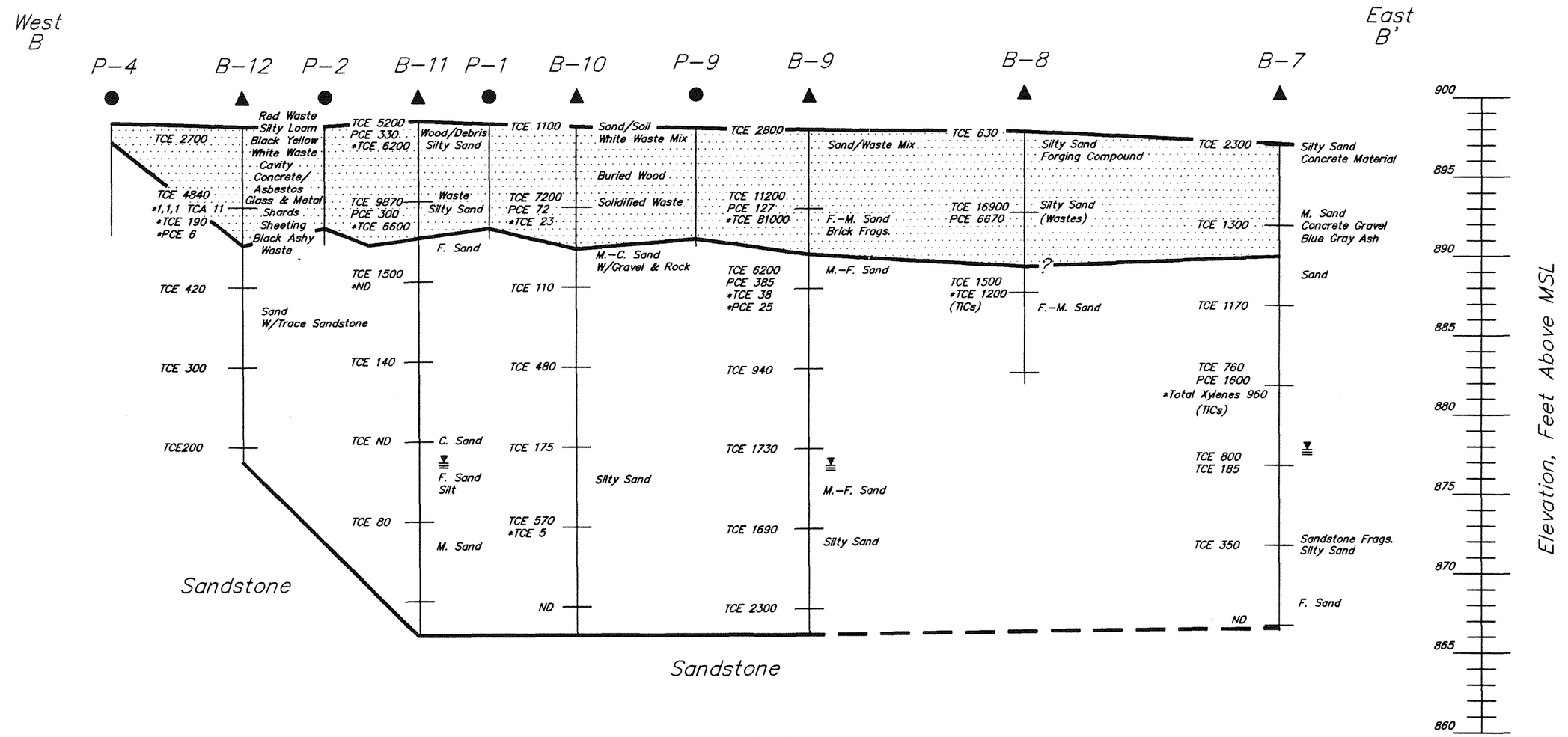
- Probe Hole
- Boring Hole
- Groundwater
- Sampled Zone
- Strata Change

0 20'

M4974-1C
052693

CROSS SECTION A-A'

EAST DISPOSAL SITE
NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN



NOTES:

* Denotes Lab Analysis

TCE & PCE Concentrations W/O * Are Field GC Results

All Concetrations In PPG (µg/Kg)

0 — 20'

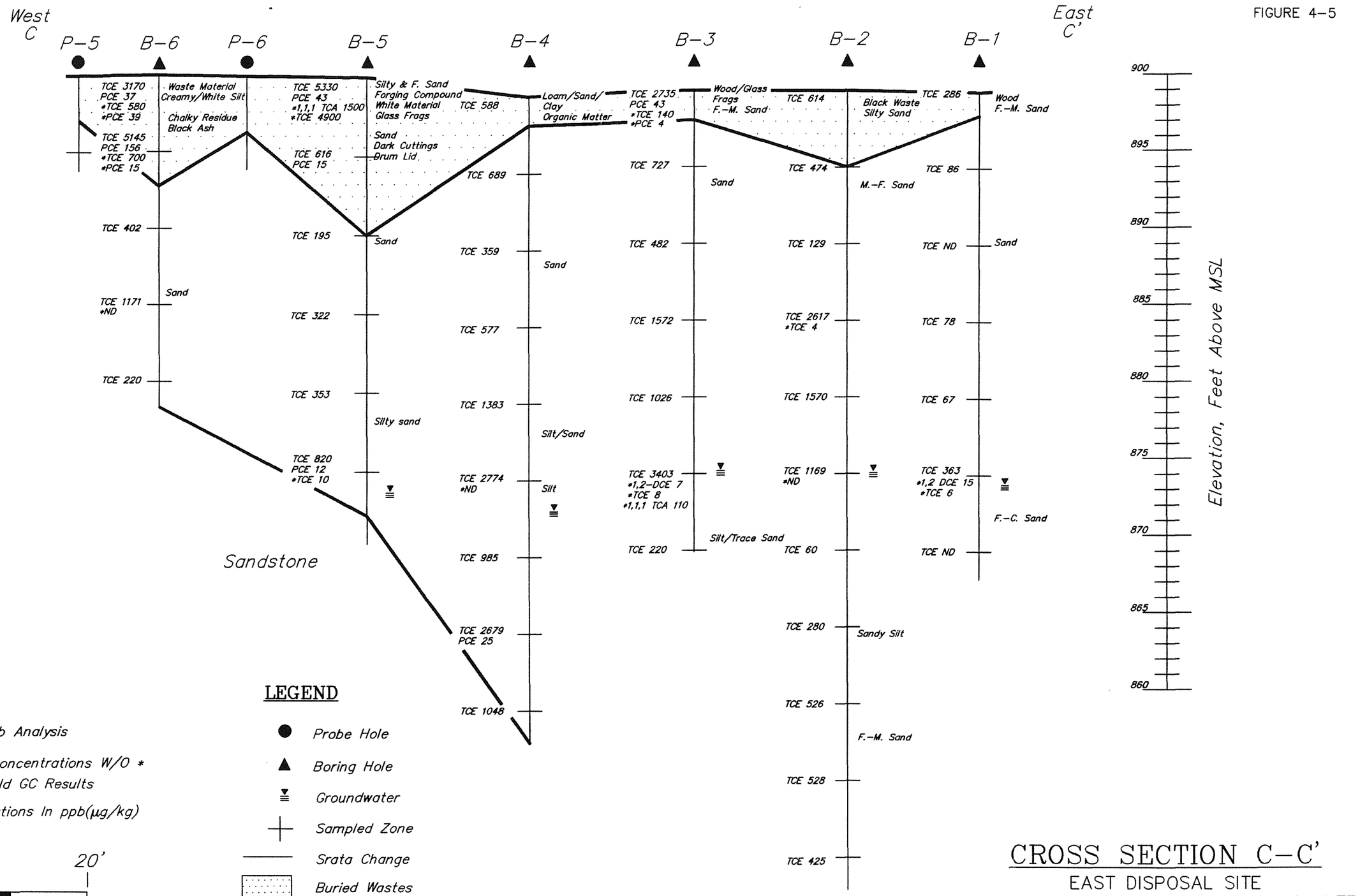
LEGEND

- Probe Hole
- Boring Hole
- Groundwater
- Sampled Zone
- Strata Change
- Buried Wastes

CROSS SECTION B-B'

EAST DISPOSAL SITE
NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

MS49707D
052693



NOTES:

* Denotes Lab Analysis

TCE & PCE Concentrations W/O * Are Field GC Results

All Concentrations In ppb(µg/kg)

0 — 20'

LEGEND

- Probe Hole
- Boring Hole
- Groundwater
- Sampled Zone
- Strata Change
- Buried Wastes

CROSS SECTION C–C'

EAST DISPOSAL SITE
NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

M4974–1A
052693

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

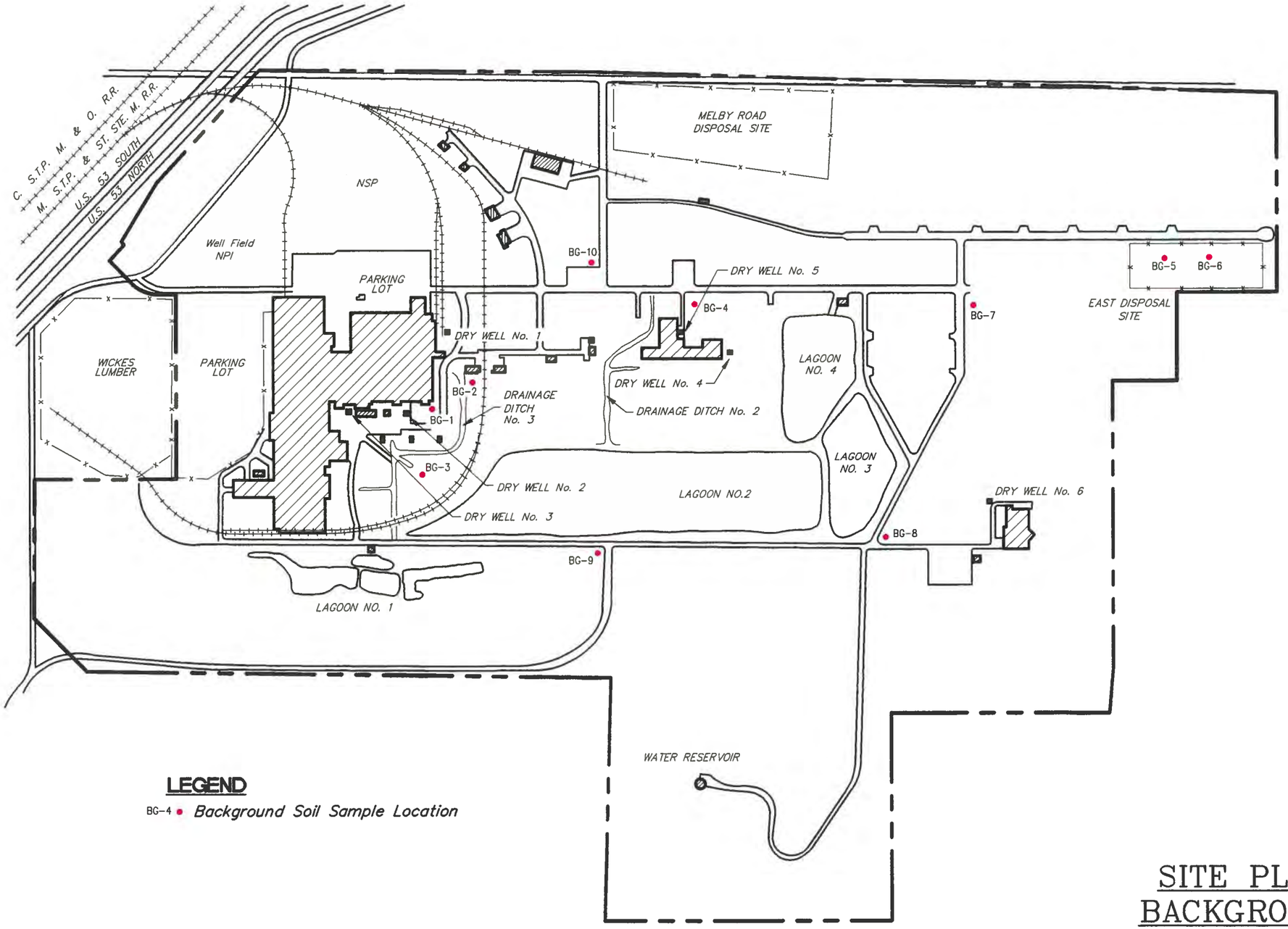
TABLE 1

ANALYTICAL RESULTS - BACKGROUND METAL CONCENTRATIONS IN SOIL (mg/kg)

Sample No.	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag	V	Zn	Hg
BG-1 (1-3')	6.45	43.7	<0.11	9.69	10.7	1.77	7.85	<0.65	<0.35	19.5	14.6	0.018
BG-1 (8-10')	3.01	9.06	<0.1	5.48	4.60	0.671	6.07	<0.62	<0.33	12.6	10.1	<0.01
BG-2 (1-3')	2.51	26.4	<0.11	5.56	10.0	<0.56	7.08	<0.63	<0.34	11.0	11.6	<0.011
BG-2 (8-10')	3.01	24.8	<0.1	6.04	8.52	<0.55	5.59	<0.62	<0.33	9.79	9.35	0.089
BG-3 (1-3')	5.57	50.5	<0.11	11.4	6.23	1.91	9.16	<0.65	<0.35	22.5	18.0	0.016
BG-3 (8-10')	2.98	27.8	<0.1	8.52	11.5	0.862	8.30	<0.62	<0.33	16.5	12.0	<0.01
BG-4 (1-3')	4.75	54.4	<0.11	11.4	4.36	2.10	7.86	<0.65	<0.34	20.8	17.0	0.013
BG-4 (8-10')	3.73	21.0	<0.1	13.0	13.4	0.669	10.8	<0.63	<0.33	14.9	15.4	<0.01
BG-5 (1-3')	3.50	11.2	<0.1	6.61	4.13	0.651	6.01	<0.63	<0.34	13.1	8.70	<0.01
BG-5 (8-10')	0.783	6.30	<0.11	2.95	2.67	<0.58	1.85	<0.65	<0.35	5.49	3.21	<0.011
BG-6 (1-3')	5.65	141	<0.12	10.3	8.35	4.91	6.46	<0.71	<0.38	13.7	25.5	0.175
BG-6 (8-10')	6.13	22.9	<0.1	12.0	12.6	1.23	15.7	<0.63	<0.34	24.3	18.6	<0.01
Range (1-3')	2.51- 6.45	11.2 - 141	--	5.56 - 11.4	4.13 - 10.7	<0.56 - 4.91	6.01 - 9.16	--	--	11.0 - 22.5	8.70 - 25.5	--
Average (1-3')	4.74	54.5	--	9.16	7.3	<1.98	7.40	--	--	16.77	15.9	--
Range (8-10')	0.783 - 6.13	6.3 - 27.8	--	2.95 - 13.0	2.67 - 13.4	<0.55 - 1.23	1.85 - 15.7	--	--	5.49 - 24.3	3.21 - 18.6	--
Average (8-10')	3.27	18.6	--	8.00	8.88	<0.76	8.05	--	--	13.93	11.44	--
Overall Range	0.783 - 6.45	6.3 - 141	<0.1 - <0.12	2.95 - 13.0	2.67 - 13.4	<0.55 - 4.91	1.85 - 15.7	<0.62 - <0.71	<0.33 - <0.38	5.49 - 24.3	3.21 - 25.5	<0.01 - 0.175
Overall Average	4.01	36.6	<0.11	8.58	8.09	<1.37	7.73	<0.64	<0.34	15.35	13.67	<0.032

NOTES:

Samples were collected on June 11 and 12, 1998, using a conventional drill rig, hollow-stem augers, and stainless steel split-spoon sampler.
- - = Difference in concentrations is insignificant.



Note: Samples BG-7 through BG-10 were collected but not analyzed because metal concentrations were relatively uniform in BG-1through BG-6.

SITE PLAN WITH BACKGROUND SOIL SAMPLE LOCATIONS

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

091598
34286WAP

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 1

EAST DISPOSAL SITE CONFIRMATION SOIL SAMPLE FIELD SCREENING DATA (ppmv) AND LABORATORY ANALYTICAL RESULTS (mg/kg)

Description-Sample Location/ID	B-1	B-1	B-2	B-2	B-3	B-3	B-4	B-4	BSS	NR 720 RCL (mg/kg)		
Sample Depth (ft bgs)	14-16	29-31	14-16	24-26	14-16	24-26	11-13	24-26	>4			
Sample Date	9/8/98	9/8/98	9/8/98	9/8/98	9/8/98	9/8/98	9/8/98	9/8/98	7/1/98	Soil to Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact
FID (ppmv)	nm	nm	nm	nm	nm	nm	nm	nm	10			
GRO (mg/kg)	na	na	na	na	na	na	na	na	6.76			
Detected volatile organic compounds (VOCs)												
n-Butylbenzene	<0.021	<0.023	<0.021	<0.021	<0.022	<0.022	<0.021	<0.022	<0.024	NS	108	**108**
sec-Butylbenzene	<0.021	<0.023	<0.021	<0.021	<0.022	<0.022	<0.021	<0.022	0.0485	NS	145	**145**
tert-Butylbenzene	<0.021	<0.023	<0.021	<0.021	<0.022	<0.022	<0.021	<0.022	<0.024	NS	183	**183**
Chloromethane	<0.021	<0.023	<0.021	<0.021	<0.022	<0.022	<0.021	<0.022	*0.0386*	*0.0155*	159	**669**
1,4-Dichlorobenzene	<0.021	<0.023	<0.021	<0.021	<0.022	<0.022	<0.021	<0.022	0.0379	*0.144*	3.74	**16.4**
cis-1,2-Dichloroethene	<0.021	<0.023	<0.021	<0.021	<0.022	<0.022	<0.021	<0.022	*0.102*	*0.0412*	156	**2340**
p-Isopropyltoluene	<0.021	<0.023	<0.021	<0.021	<0.022	<0.022	<0.021	<0.022	<0.024	NS	162	**162**
Methyl tert butyl ether	<0.021	<0.023	<0.021	<0.021	<0.022	<0.022	<0.021	<0.022	<0.024	*0.027*	63.8	**282**
n-Propylbenzene	<0.021	<0.023	<0.021	<0.021	<0.022	<0.022	<0.021	<0.022	0.0608	NS	264	**264**
1,2,4-Trichlorobenzene	<0.021	<0.023	<0.021	<0.021	<0.022	<0.022	<0.021	<0.022	<0.024	*0.408*	24	**113**
Trichloroethylene	<0.021	<0.023	<0.021	<0.021	<0.022	<0.022	<0.021	<0.022	<0.024	*0.0036*	1.3	**8.41**
Trichlorofluoromethane	<0.021	<0.023	<0.021	<0.021	<0.022	<0.022	<0.021	<0.022	<0.024	*4.4775*	1230	**1230**
1,2,4-TMB	<0.021	<0.023	<0.021	<0.021	<0.022	<0.022	<0.021	<0.022	0.0628	NS	219	**219**
1,3,5-TMB	<0.021	<0.023	<0.021	<0.021	<0.022	<0.022	<0.021	<0.022	0.0327	NS	182	**182**
TMBs combined	<0.042	<0.046	<0.042	<0.042	<0.044	<0.044	<0.042	<0.044	0.0955	*1.3821*	NS	NS
Xylenes	<0.021	<0.023	<0.021	<0.021	<0.022	<0.022	<0.021	<0.022	<0.048	*3.96*	260	**260**
Detected polychlorinated biphenyls (PCBs)												
Aroclor 1260	na	na	na	na	na	na	na	na	<0.074	*0.0094*	0.243	**1**

TABLE 1

EAST DISPOSAL SITE CONFIRMATION SOIL SAMPLE FIELD SCREENING DATA (ppmv) AND LABORATORY ANALYTICAL RESULTS (mg/kg)

Description/Sample ID	EDS-1B15	EDS-1N	EDS-1S2	EDS-2B15	EDS-2N	EDS-2S	EDS-2S15	EDS-3B	EDS-3N	EDS-3S	NR 720 RCL (mg/kg)		
Sample Date	6/24/98	6/24/98	6/24/98	6/24/98	6/24/98	6/24/98	6/25/98	6/25/98	6/25/98	6/25/98	Soil to Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact
FID (ppmv)	100	0.2	nm	0.6	0.2	1.6	>1000	0.4	0	0			
GRO (mg/kg)	na	na	na	na	na	na	na	na	na	na			
Detected volatile organic compounds (VOCs)													
n-Butylbenzene	1.50	0.0622	<0.025	<0.023	<0.027	<0.025	6.54	<0.025	<0.022	<0.024	NS	108	**108**
sec-Butylbenzene	<0.46	<0.023	<0.025	<0.023	<0.027	<0.025	2.70	<0.025	<0.022	<0.024	NS	145	**145**
tert-Butylbenzene	<0.46	<0.023	<0.025	<0.023	<0.027	<0.025	<2.08	<0.025	<0.022	<0.024	NS	183	**183**
Chloromethane	<0.46	<0.023	<0.025	<0.023	<0.027	<0.025	<2.08	<0.025	<0.022	<0.024	*0.0155*	159	**669**
1,4-Dichlorobenzene	<0.46	<0.023	<0.025	<0.023	<0.027	<0.025	<2.08	<0.025	<0.022	<0.024	*0.144*	3.74	**16.4**
cis-1,2-Dichloroethene	<0.46	<0.023	<0.025	<0.023	<0.027	<0.025	<2.08	<0.025	<0.022	<0.024	*0.0412*	156	**2340**
p-Isopropyltoluene	<0.46	<0.023	<0.025	<0.023	<0.027	<0.025	<2.08	<0.025	<0.022	<0.024	NS	162	**162**
Methyl tert butyl ether	<0.46	<0.023	*0.0284*	*0.0439*	*0.0437*	*0.0481*	<2.08	*0.0451*	*0.0493*	*0.0444*	*0.027*	63.8	**282**
n-Propylbenzene	0.718	0.0288	<0.025	<0.023	<0.027	<0.025	5.13	<0.025	<0.022	<0.024	NS	264	**264**
1,2,4-Trichlorobenzene	<0.46	<0.023	<0.025	<0.023	<0.027	<0.025	*3.14*	<0.025	<0.022	<0.024	*0.408*	24	**113**
Trichloroethylene	<0.46	<0.023	<0.025	<0.023	<0.027	*0.0629*	<2.08	<0.025	<0.022	<0.024	*0.0036*	1.3	**8.41**
Trichlorofluoromethane	<0.46	0.0744	<0.025	<0.023	<0.027	<0.025	<2.08	0.0776	0.0254	0.0545	*4.4775*	1230	**1230**
1,2,4-TMB	3.08	0.0657	<0.025	<0.023	<0.027	<0.025	13.6	<0.025	<0.022	<0.024	NS	219	**219**
1,3,5-TMB	0.619	<0.023	<0.025	<0.023	<0.027	<0.025	5.67	<0.025	<0.022	<0.024	NS	182	**182**
TMBs combined	*3.699*	<0.0887	<0.050	<0.046	<0.054	<0.050	*19.27*	<0.050	<0.044	<0.048	*1.3821*	NS	NS
Xylenes	<0.92	<0.046	<0.050	<0.046	<0.054	<0.050	<4.16	<0.050	<0.044	<0.048	*3.96*	260	**260**
Detected polychlorinated biphenyls (PCBs)													
Aroclor 1260	<0.074	na	na	*5.05*	<0.0083	na	na	na	na	*0.0097*	*0.0094*	0.243	**1**

TABLE 1

EAST DISPOSAL SITE CONFIRMATION SOIL SAMPLE FIELD SCREENING DATA (ppmv) AND LABORATORY ANALYTICAL RESULTS (mg/kg)

Description/Sample ID	EDS-4B	EDS-4N	EDS-4S	EDS-W	EDS-5S	EDS-5E	EDS-5N	EDS-5B	HA-1	HA-2	HA-3	NR 720 RCL (mg/kg)		
Sample Date	6/25/98	6/25/98	6/25/98	6/25/98	6/27/98	6/27/98	7/1/98	7/1/98	7/1/98	7/1/98	7/1/98	Soil to Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact
FID (ppmv)	0.0	0.0	0.0	0.0	0.0	2	0	2	430	220	3			
GRO (mg/kg)	na	na	na	na	na	na	na	na	633	625	<5.2			
Detected volatile organic compounds (VOCs)														
n-Butylbenzene	<0.023	<0.023	<0.02	<0.023	<0.022	0.0214	<0.02	0.0210	7.24	11.8	<0.022	NS	108	**108**
sec-Butylbenzene	<0.023	<0.023	<0.02	<0.023	<0.022	<0.021	<0.02	<0.021	2.60	5.89	<0.022	NS	145	**145**
tert-Butylbenzene	<0.023	<0.023	<0.02	<0.023	<0.022	<0.021	<0.02	<0.021	<2.0	4.2	<0.022	NS	183	**183**
Chloromethane	<0.023	<0.023	<0.02	<0.023	<0.022	<0.021	*0.0256*	<0.021	*3.51*	<1.1	*0.0388*	*0.0155*	159	**669**
1,4-Dichlorobenzene	<0.023	<0.023	<0.02	<0.023	<0.022	<0.021	<0.02	<0.021	<2.0	<1.1	<0.022	*0.144*	3.74	**16.4**
cis-1,2-Dichloroethene	<0.023	<0.023	<0.02	<0.023	<0.022	<0.021	<0.02	<0.021	<2.0	<1.1	<0.022	*0.0412*	156	**2340**
p-Isopropyltoluene	<0.023	<0.023	<0.02	<0.023	<0.022	<0.021	<0.02	<0.021	<2.0	2.98	<0.022	NS	162	**162**
Methyl tert butyl ether	*0.0313*	*0.0406*	<0.02	*0.0507*	<0.022	<0.021	<0.02	<0.021	<2.0	<1.1	<0.022	*0.027*	63.8	**282**
n-Propylbenzene	<0.023	<0.023	<0.02	<0.023	<0.022	<0.021	<0.02	<0.021	2.49	4.58	<0.022	NS	264	**264**
1,2,4-Trichlorobenzene	<0.023	<0.023	<0.02	<0.023	<0.022	<0.021	<0.02	<0.021	<2.0	<1.1	<0.022	*0.408*	24	**113**
Trichloroethylene	<0.023	<0.023	<0.02	<0.023	<0.022	*0.256*	<0.02	<0.021	<2.0	<1.1	<0.022	*0.0036*	1.3	**8.41**
Trichlorofluoromethane	0.100	0.0397	0.0344	<0.023	<0.022	0.0789	0.0256	0.0603	<2.0	<1.1	0.0546	*4.4775*	1230	**1230**
1,2,4-TMB	<0.023	<0.023	<0.02	<0.023	<0.022	0.0294	<0.02	<0.021	25.5	11.9	<0.022	NS	219	**219**
1,3,5-TMB	<0.023	<0.023	<0.02	<0.023	<0.022	<0.021	<0.02	<0.021	3.73	4.36	<0.022	NS	182	**182**
TMBs combined	<0.046	<0.046	<0.04	<0.046	<0.044	<0.0504	<0.04	<0.042	*29.23*	*16.26*	<0.044	*1.3821*	NS	NS
Xylenes	<0.046	<0.046	<0.04	<0.046	<0.022	<0.021	<0.04	<0.042	<4.0	<3.49	<0.044	*3.96*	260	**260**
Detected polychlorinated biphenyls (PCBs)														
Aroclor 1260	*3.24*	na	na	na	na	<0.0074	<0.0074	<0.0074	<0.074	<0.074	<0.074	*0.0094*	0.243	**1**

NOTES:

Concentrations and NR 720 RCLs are in units of milligrams per kilogram (mg/kg) on a dry-weight basis, equivalent to parts per million (ppm).

Only compounds detected in one or more samples are included in the table, and there are no NR 720 RCLs for gasoline range organics (GRO).

No results at or above an applicable NR 720 non-industrial or industrial direct contact RCL. In addition, multiple contaminant cumulative cancer risk and hazard index thresholds do not apply because all samples were collected >4 feet below ground surface.

Detected concentrations at or above an applicable NR 720 soil to groundwater pathway RCL are italicized.

NR 720 residual contaminant level (RCL) concentrations from WDNR's RR Program Soil RCL Excel workbook updated March 2017.

Samples B-2 (24-26), B-3 (14-16), B-4 (11-13), and B-4 (24-26) contained styrene at concentrations ranging from 0.024 to 0.041 mg/kg. Styrene was detected in the method blank, thus its presence was attributed to laboratory contamination.

Sample depths, where included, are in feet below ground surface (ft bgs) at the time of collection.

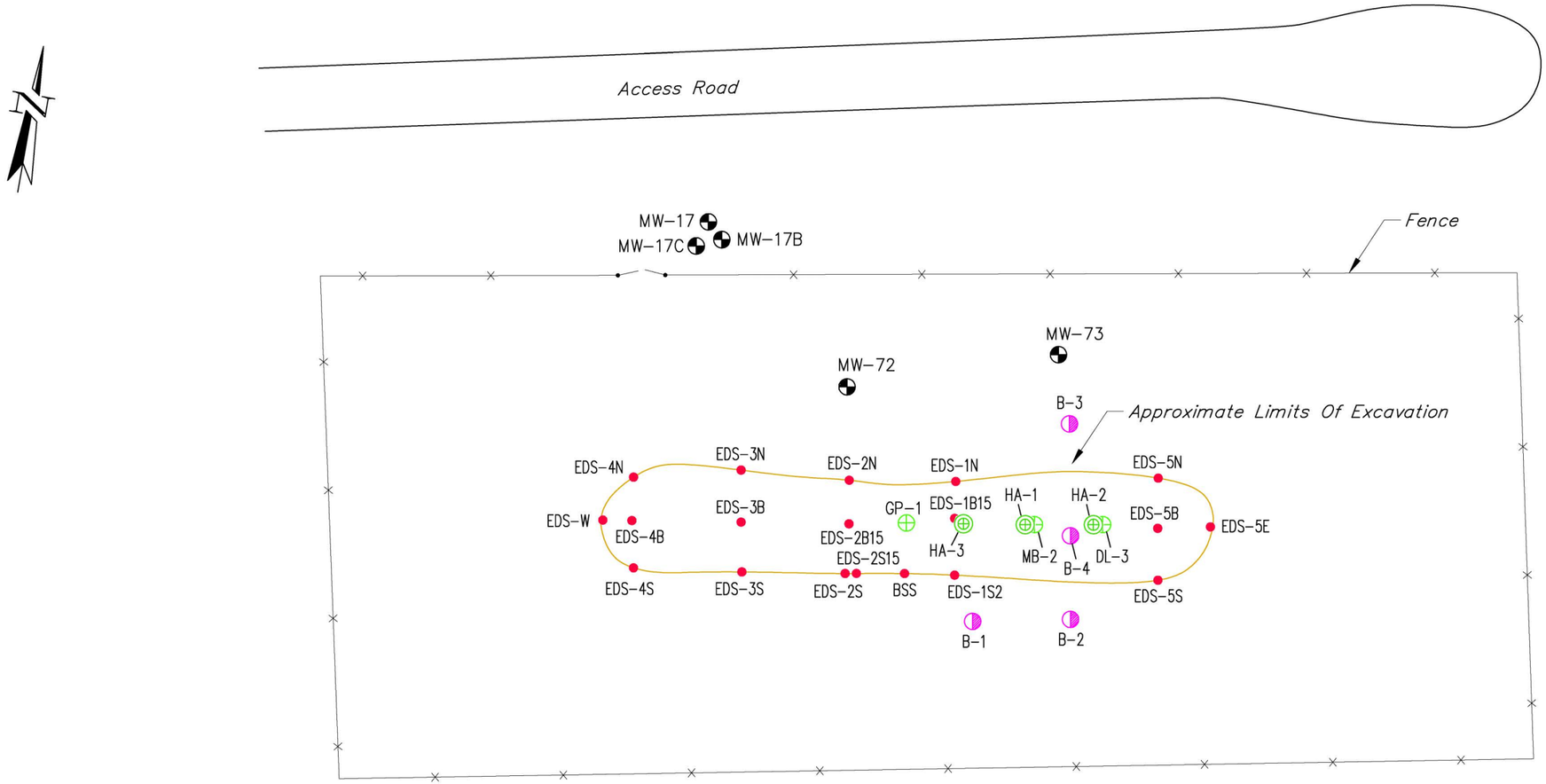
FID = Flame-ionization detector reading in parts per million, volume (ppmv).

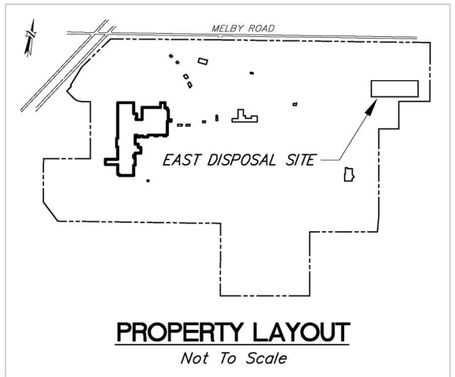
na = Not analyzed.

nm = Not measured.

NS = No standard.

TMBs (combined) = Trimethylbenzenes (1,2,4- and 1,3,5- combined).





PROPERTY LAYOUT
Not To Scale

0 40
Scale In Feet

LEGEND

- *Hand Auger Boring (Field–Screened And Submitted For Laboratory Analysis)*
- *Hand Auger Boring by USEPA/WDNR (Field Screened Only)*
- *Grab Sample From Sidewall Or Base Of Excavation (Field Screened And Submitted to Laboratory For Analysis)*
- *Borehole Location*
- *Monitoring Well*

NOTES

1. *Field Screening Data From Hand Auger Borings DL–3, GP–1, And MB–2 By USEPA, Weston, And WDNR Staff Not Included in Table 1.*
2. *Table Included With This Figure Provides Installation And Abandonment Dates For MW–17, MW–17B, MW–17C, MW–72 And MW–73.*

Well ID	Installation Date	Abandonment Date
MW-17	12/3/1986	11/23/2011
MW-17B	12/4/1986	11/23/2011
MW-17C	5/20/1986	11/23/2011
MW-72	9/9/1998	11/23/2011
MW-73	9/9/1998	11/23/2011

CONFIRMATION SOIL SAMPLE LOCATIONS AT EAST DISPOSAL SITE (JUNE–SEPTEMBER 1998)

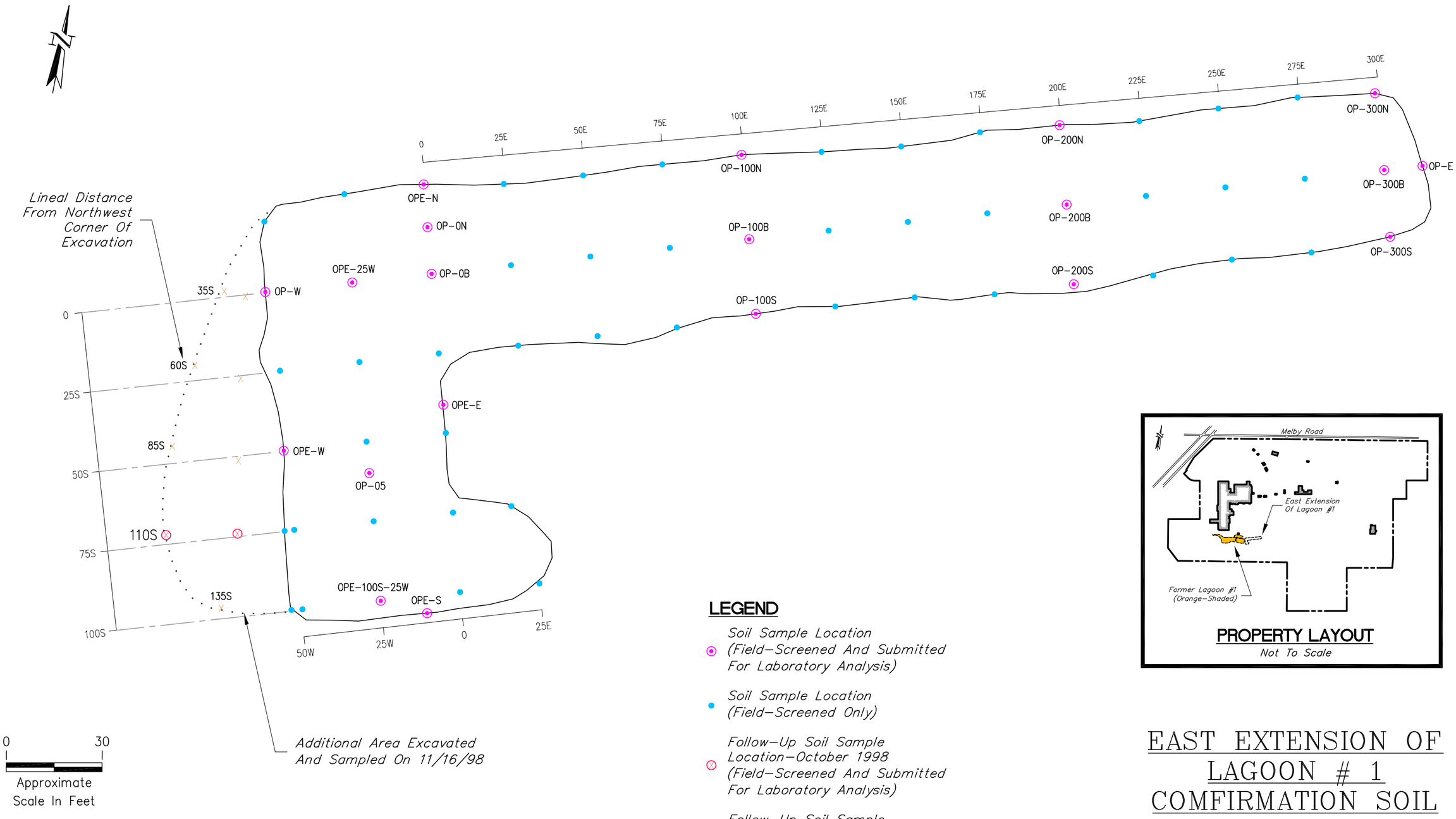
NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

APPENDIX F-10

LAGOON #1 AND ITS EAST EXTENSION SOIL DATA

Gannett Fleming

FIGURE 3



LEGEND

- *Soil Sample Location (Field-Screened And Submitted For Laboratory Analysis)*
- *Soil Sample Location (Field-Screened Only)*
- *Follow-Up Soil Sample Location-October 1998 (Field-Screened And Submitted For Laboratory Analysis)*
- *Follow-Up Soil Sample Location-October 1998 (Field-Screened Only)*

PROPERTY LAYOUT

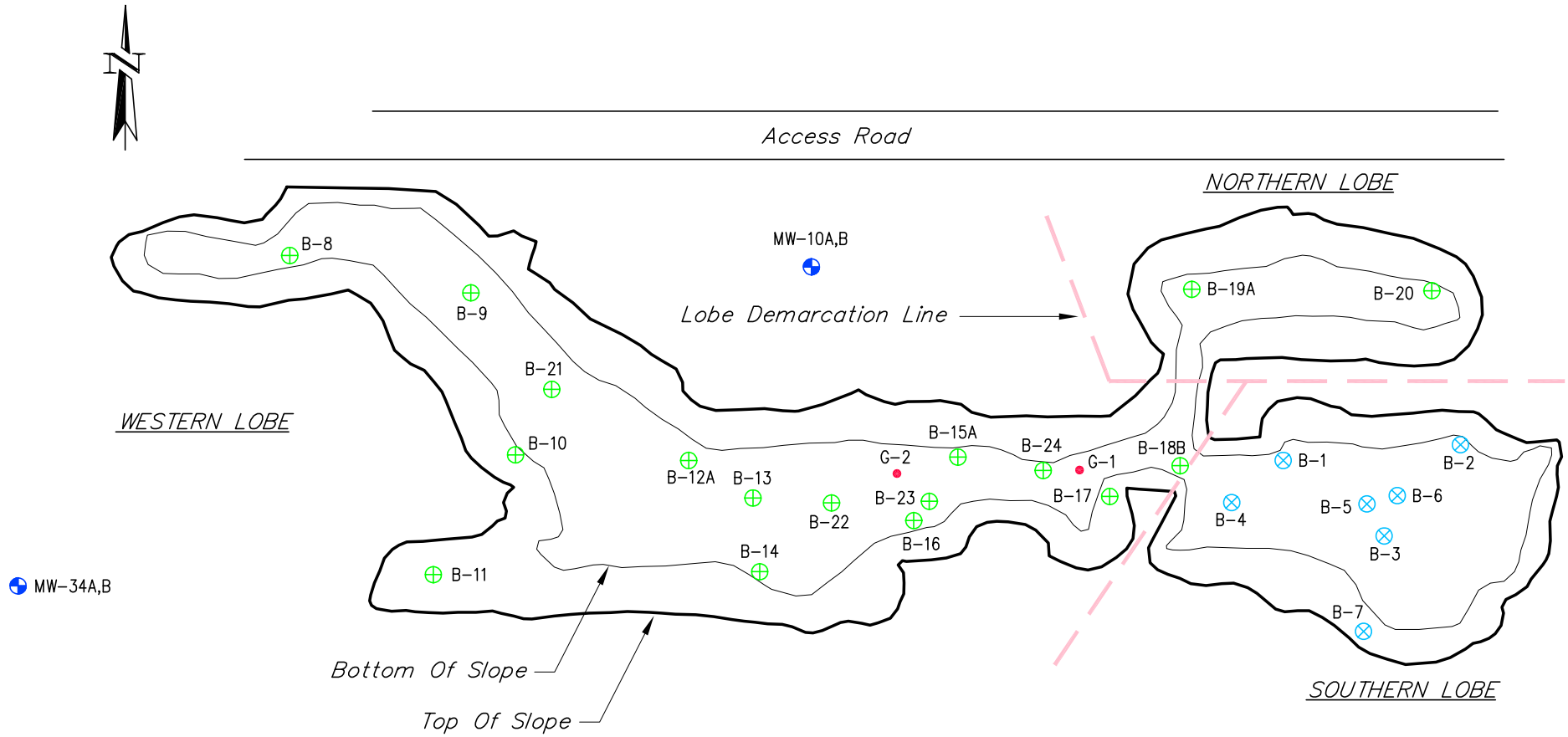
Not To Scale

EAST EXTENSION OF LAGOON # 1 COMFIRMATION SOIL SAMPLE LOCATIONS (JULY AND AUGUST 1998)

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

092509
34286WFN



NOTE

Ground Surface Elevations In The Bottom Of The Lagoon Ranged From 875 To 883 Feet Above Mean Sea Level At The Time Of Drilling (See Figure 3 For Approximate Topography).

LEGEND

- *Monitoring Well*
- *Soil Boring Location (August 1995)*
- *Soil Boring Location (September 1996)*
- *Surface Soil Sample Location (September 1996)*

0 80

Approximate Scale In Feet

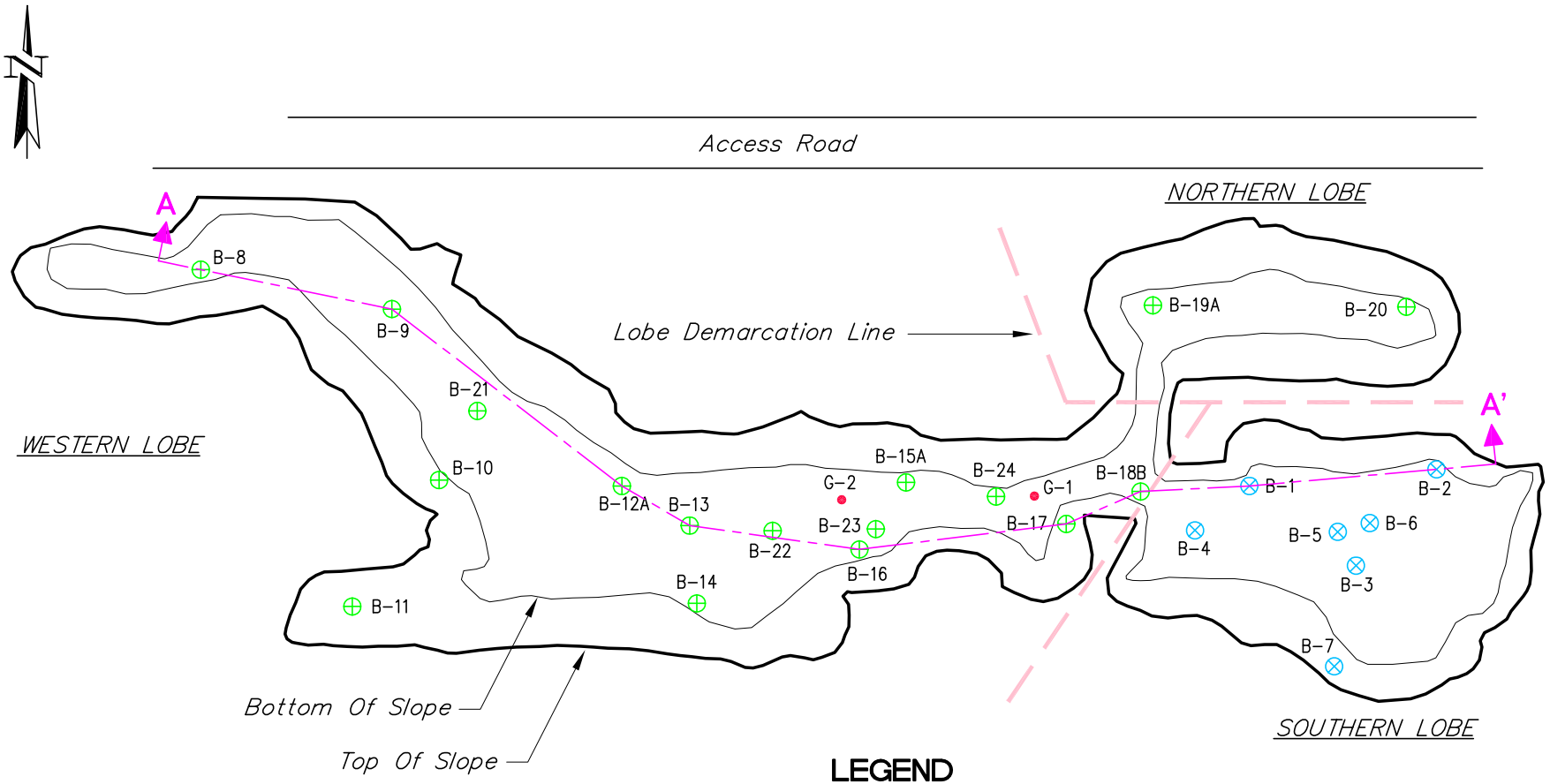
PRE-SVE SOIL SAMPLING LOCATIONS AT LAGOON # 1

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

082409
34286WFP

Gannett Fleming

FIGURE 5



NOTE

Ground Surface Elevations In The Bottom Of The Lagoon Ranged From 875 To 883 Feet Above Mean Sea Level At The Time Of Drilling (See Figure 3 For Approximate Topography).

LEGEND

- ⊗ *Soil Boring Location (August 1995)*
- ⊕ *Soil Boring Location (September 1996)*
- • *Surface Soil Sample Location (September 1996)*
- *Cross Section Line*

0 80

Approximate Scale In Feet

LOCATION OF CROSS SECTION A–A'

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

082409
34286WFQ

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FIGURE 6

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NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 1

PRE-SVE CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES FROM SOUTHERN LOBE - 1995 DATA

Target Compound (Units in ug/kg)	Site ID:	B-1		B-1		B-1		B-1		B-1		B-1		B-1		B-1		B-1		B-1	
	Sample ID:	B-1-0		B-1-10		B-1-17		B-1-21		B-1-23		B-1-23D		B-1-25		B-1-27		B-1-29		B-1-33		B-1-31	
	Date Collected:	08/30/95		08/30/95		08/30/95		08/30/95		08/30/95		08/30/95		08/30/95		08/30/95		08/30/95		08/30/95		08/31/95	
	Depth (ft):	0		10		17		21		23		23		25		27		29		33		31	
	Sample Delivery Group:	B-1-0		B-1-10		B-1-10		B-1-10		B-1-0		B-1-0		B-1-10		B-1-10		B-1-10		B-1-10		B-4-34	
Acetone		1300	U	10	U	11	U	10	U	10	U	10	U	12		10	U	15		10	U	10	U
Benzene		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
Bromodichloromethane		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
Bromoform		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
Bromomethane		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
2-Butanone		1600	B	10	U	11	U	10	U	10	U	3	JB	10	U	10	U	2	J	2	J	10	U
Carbon disulfide		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
Carbon tetrachloride		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
Chlorobenzene		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
Chlorodibromomethane		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
Chloroethane		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
Chloroform		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
Chloromethane		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
1,1-Dichloroethane		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
1,1-Dichloroethene		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
1,2-Dichloroethane		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
1,2-Dichloroethene		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
1,2-Dichloropropane		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
cis-1,3-Dichloropropene		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
trans-1,3-Dichloropropene		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
Ethylbenzene		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
2-Hexanone		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	5	J	11	U	10	U	10	U
Methylene chloride		1300	U	10	U	3	JB	3	JB	3	JB	10	U	10	U	10	U	11	U	10	U	10	U
4-Methyl-2-pentanone		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
Styrene		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
Tetrachloroethene		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
1,1,2,2-Tetrachloroethane		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
Toluene		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
1,1,1-Trichloroethane		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
1,1,2-Trichloroethane		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
Trichloroethene		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
Vinyl chloride		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U
Xylene (total)		1300	U	10	U	11	U	10	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U

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TABLE 1

PRE-SVE CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES FROM SOUTHERN LOBE - 1995 DATA

	B-2		B-2		B-2		B-2		B-2		B-2		B-2		B-3		B-3		B-3		B-3		B-3		B-3		B-3		B-3	
	B-2-0		B-2-5		B-2-10		B-2-10D		B-2-15		B-2-20		B-2-25		B-3-2		B-3-7		B-3-7D		B-3-9		B-3-11		B-3-13		B-3-15		B-3-17		B-3-19	
	08/30/95		08/30/95		08/30/95		08/30/95		08/30/95		08/30/95		08/30/95		08/31/95		08/31/95		08/31/95		08/31/95		08/31/95		08/31/95		08/31/95		08/31/95		08/31/95	
Target Compound	**0**		**5**		**10**		**10**		**15**		**20**		**25**		**2**		**7**		**7**		**9**		**11**		**13**		**15**		**17**		**19**	
(Units in ug/kg)	**B-1-10**		**B-1-10**		**B-1-10**		**B-1-10**		**B-1-10**		**B-4-34**		**B-1-10**		**B-4-34**		**B-4-34**		**B-4-34**		**B-4-34**		**B-4-34**		**B-4-34**		**B-4-34**		**B-4-34**		**B-4-34**	
Acetone	12		11		10	J	12		24		11	U	11	U	10	U	10	U	10	J	10	U	11		10	U	12	U	26		10	U
Benzene	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
Bromodichloromethane	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
Bromoform	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
Bromomethane	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
2-Butanone	10	U	11	U	11	U	11	U	4	J	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	5	J	10	U
Carbon disulfide	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
Carbon tetrachloride	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
Chlorobenzene	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
Chlorodibromomethane	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
Chloroethane	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
Chloroform	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
Chloromethane	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
1,1-Dichloroethane	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
1,1-Dichloroethene	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
1,2-Dichloroethane	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
1,2-Dichloroethene	10	U	2	J	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
1,2-Dichloropropane	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
cis-1,3-Dichloropropene	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
trans-1,3-Dichloropropene	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
Ethylbenzene	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
2-Hexanone	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
Methylene chloride	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
4-Methyl-2-pentanone	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
Styrene	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
Tetrachloroethene	2	J	49		11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
1,1,2,2-Tetrachloroethane	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
Toluene	10	U	15		11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
1,1,1-Trichloroethane	10	U	21		11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
1,1,2-Trichloroethane	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
Trichloroethene	3	J	10	J	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
Vinyl chloride	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U
Xylene (total)	10	U	11	U	11	U	11	U	10	U	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	12	U	10	U	10	U

TABLE 1

PRE-SVE CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES FROM SOUTHERN LOBE - 1995 DATA

Target Compound (Units in ug/kg)	B-4 B-4-5 08/31/95 5 B-1-0		B-4 B-4-10 08/31/95 10 B-1-0		B-4 B-4-15 08/31/95 15 B-1-0		B-4 B-4-20 08/31/95 20 B-1-0		B-4 B-4-25 08/31/95 25 B-1-0		B-4 B-4-25D 08/31/95 25 B-1-0		B-4 B-4-28 08/31/95 28 B-1-0		B-4 B-4-30 08/31/95 30 B-1-0		B-4 B-4-32 08/31/95 32 B-1-0		B-4 B-4-34 08/31/95 34 B-4-34		B-4 B-4-36 08/31/95 36 B-1-0		B-5 B-5-2 08/31/95 2 B-1-10		B-5 B-5-7 08/31/95 7 B-1-0		B-5 B-5-12 08/31/95 12 B-1-10	
Acetone	1300	U	1300	U	10	U	10	U	10	U	10	U	11	B	10	U	17	B	13		10	U	10	U	10	U	10	U		
Benzene	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Bromodichloromethane	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Bromoform	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Bromomethane	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
2-Butanone	1700	B	1600	B	10	U	10	U	10	U	10	U	10	U	10	U	4	JB	3	J	10	U	10	U	10	U	10	U		
Carbon disulfide	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Carbon tetrachloride	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Chlorobenzene	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Chlorodibromomethane	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Chloroethane	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Chloroform	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Chloromethane	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
1,1-Dichloroethane	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
1,1-Dichloroethene	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
1,2-Dichloroethane	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
1,2-Dichloroethene	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
1,2-Dichloropropane	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
cis-1,3-Dichloropropene	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
trans-1,3-Dichloropropene	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Ethylbenzene	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
2-Hexanone	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Methylene chloride	1300	U	310	J	3	JB	3	JB	3	JB	3	JB	3	JB	2	JB	10	U	10	U	3	JB	10	U	10	U	10	U		
4-Methyl-2-pentanone	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Styrene	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Tetrachloroethene	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
1,1,2,2-Tetrachloroethane	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Toluene	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
1,1,1-Trichloroethane	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
1,1,2-Trichloroethane	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Trichloroethene	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Vinyl chloride	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
Xylene (total)	1300	U	1300	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		

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TABLE 1

PRE-SVE CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES FROM SOUTHERN LOBE - 1995 DATA

Target Compound (Units in ug/kg)	B-5 B-5-16 08/31/95 16 B-1-10		B-5 B-5-18 08/31/95 18 B-1-10		B-5 B-5-20 08/31/95 20 B-1-10		B-5 B-5-20D 08/31/95 20 B-1-10		B-5 B-5-22 08/31/95 22 B-1-10		B-7 B-7-0 08/31/95 0 B-1-0		B-7 B-7-5 08/31/95 5 B-1-0		B-7 B-7-10 08/31/95 10 B-1-0		B-7 B-7-10D 08/31/95 10 B-1-0		B-7 B-7-14 08/31/95 14 B-1-0		B-7 B-7-15 08/31/95 15 B-1-0	
Acetone	42		12		14		14		10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Benzene	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Bromodichloromethane	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Bromoform	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Bromomethane	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
2-Butanone	14		11	U	2	J	3	J	10	U	10	U	10	U	10	U	10	U	10	U	10	U	4	JB
Carbon disulfide	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Carbon tetrachloride	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Chlorobenzene	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Chlorodibromomethane	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Chloroethane	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Chloroform	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Chloromethane	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethane	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethene	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dichloroethane	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dichloroethene	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dichloropropane	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
trans-1,3-Dichloropropene	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Ethylbenzene	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
2-Hexanone	5	J	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Methylene chloride	11	U	11	U	10	U	10	U	10	U	4	JB	4	JB	10	U	3	JB	3	JB	10	U		
4-Methyl-2-pentanone	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Styrene	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Tetrachloroethene	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Toluene	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,1,1-Trichloroethane	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,1,2-Trichloroethane	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Trichloroethene	11	U	11	U	10	U	10	U	10	U	3	J	10	U	10	U	10	U	10	U	10	U	10	U
Vinyl chloride	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Xylene (total)	11	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U

NOTES:
B = Compound was also detected in the associated method blank.
J = Concentrations between the limit of detection and limit of quantitation.
U = Not detected at or above the concentration shown.

Gannett Fleming

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 2

PRE-SVE CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

Target Compound (units in ug/kg)	Site:	B-08		B-08		B-08		B-08		B-08		B-08		B-08		B-08		B-09		B-09		B-09	
	Sample ID:	8.5-1		86.5-7		811-12		820.5-21		830.5-31		840.5-41		850.5-51		860-60.5		91-1.5		95.5-6		910.5-12	
	Date Collected:	09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/17/96	
	Average Depth (ft):	0.75		6.75		11.5		20.75		30.75		40.75		50.75		60.25		1.25		5.75		11.25	
	Sample Delivery Group:	B8		B8		B8		B8		B8		B8		B8		B8		B8		B8		B19A	
Acetone		34		26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
Benzene		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
Bromodichloromethane		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
Bromoform		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
Bromomethane		11	UY	26	UY	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
2-Butanone		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
Carbon disulfide		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
Carbon tetrachloride		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
Chlorobenzene		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
Chlorodibromomethane		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
Chloroethane		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
Chloroform		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
Chloromethane		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
1,1-Dichloroethane		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	60		5	J	10	U
1,1-Dichloroethene		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
1,2-Dichloroethane		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
1,2-Dichloroethene		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	18	J	11	U	10	U
1,2-Dichloropropane		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
cis-1,3-Dichloropropene		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
trans-1,3-Dichloropropene		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
Ethylbenzene		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
2-Hexanone		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
Methylene chloride		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
4-Methyl-2-pentanone		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
Styrene		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
Tetrachloroethene		4	J	130		10	U	10	U	10	U	10	U	10	U	11	U	320		61		10	U
1,1,2,2-Tetrachloroethane		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
Toluene		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	18	J	11	U	10	U
1,1,1-Trichloroethane		11	U	11	J	10	U	10	U	10	U	10	U	10	U	11	U	780		99		10	U
1,1,2-Trichloroethane		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
Trichloroethene		11	U	12	J	10	U	10	U	10	U	10	U	10	U	11	U	26	J	5	J	10	U
Vinyl chloride		11	U	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U
Xylene (total)		5	J	26	U	10	U	10	U	10	U	10	U	10	U	11	U	54	U	11	U	10	U

TABLE 2

PRE-SVE CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

Target Compound (units in ug/kg)	B-09		B-09		B-09		B-09		B-10		B-10		B-10		B-10		B-10		B-11		B-11		B-11		B-11	
	921-21.5		931-31.5		940.5-41		950.5-51		101-1.5		105.5-6		1010-11.5		1021-21.5		1031-31.5		1041-41.5		111-1.5		118-9		1111-11.5		1120.5-21		1131-31.5	
	09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/17/96		09/17/96		09/17/96		09/17/96		09/17/96		09/17/96	
	21.25		31.25		40.75		50.75		1.25		5.75		10.75		21.25		31.25		41.25		1.25		8.5		11.25		20.75		31.25	
	B8		B8		B8		B8		B8		B8		B8		B8		B19A		B19A		B19A		B19A		B19A		B19A		B19A	
Acetone	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Benzene	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Bromodichloromethane	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Bromoform	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Bromomethane	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
2-Butanone	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Carbon disulfide	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Carbon tetrachloride	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Chlorobenzene	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Chlorodibromomethane	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Chloroethane	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Chloroform	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Chloromethane	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
1,1-Dichloroethane	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
1,1-Dichloroethene	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
1,2-Dichloroethane	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
1,2-Dichloroethene	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
1,2-Dichloropropane	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
trans-1,3-Dichloropropene	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Ethylbenzene	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
2-Hexanone	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Methylene chloride	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
4-Methyl-2-pentanone	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Styrene	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Tetrachloroethene	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	28	J	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Toluene	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
1,1,1-Trichloroethane	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	74		10	U	10	U	10	U	10	U
1,1,2-Trichloroethane	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Trichloroethene	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Vinyl chloride	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U
Xylene (total)	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	10	U

Gannett Fleming

TABLE 2

PRE-SVE CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

Target Compound (units in ug/kg)	B-11		B-11		B-12A		B-12A		B-12A		B-12A		B-12A		B-13		B-13		B-13		B-13		B-13		B-13		B-14	
	1141-41.5		1149.5-50		12A1-1.5		12A6-6.5		12A11-11.5		12A21-21.5		12A30.5-32.5		131-1.5		136-6.5		1310.5-11		1320-21.5		1330.5-31		1340.5-41		141-1.5	
	09/17/96		09/17/96		09/23/96		09/23/96		09/23/96		09/23/96		09/23/96		09/24/96		09/24/96		09/24/96		09/23/96		09/23/96		09/23/96		09/18/96	
	41.25		49.75		1.25		6.25		11.25		21.25		31.25		1.25		6.25		10.75		20.75		30.75		40.75		1.25	
	B19A		B19A		B14		B14		B14		B14		B14		B13		B13		B13		B16		B16		B16		B14	
Acetone	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
Benzene	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
Bromodichloromethane	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
Bromoform	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
Bromomethane	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	UY	10	UY	10	UY	10	UY	12	UY	10	UY	10	U
2-Butanone	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
Carbon disulfide	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
Carbon tetrachloride	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
Chlorobenzene	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
Chlorodibromomethane	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
Chloroethane	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
Chloroform	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
Chloromethane	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
1,1-Dichloroethane	10	U	11	U	53	U	10	U	10	U	10	U	10	U	110		10	U	10	U	10	U	12	U	10	U	10	U
1,1-Dichloroethene	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
1,2-Dichloroethane	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
1,2-Dichloroethene	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
1,2-Dichloropropane	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
cis-1,3-Dichloropropene	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
trans-1,3-Dichloropropene	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
Ethylbenzene	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
2-Hexanone	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
Methylene chloride	10	U	11	U	53	U	10	U	10	U	10	U	10	U	13	J	2	J	2	J	4	J	5	J	4	J	10	U
4-Methyl-2-pentanone	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
Styrene	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
Tetrachloroethene	10	U	11	U	12	J	10	U	10	U	10	U	10	U	62		10	U	10	U	10	U	12	U	10	U	10	U
1,1,2,2-Tetrachloroethane	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	UY	10	UY	10	UY	10	UY	12	UY	10	UY	10	U
Toluene	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
1,1,1-Trichloroethane	10	U	11	U	18	J	10	U	10	U	10	U	10	U	520		10	U	10	U	10	U	12	U	10	U	10	U
1,1,2-Trichloroethane	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
Trichloroethene	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
Vinyl chloride	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U
Xylene (total)	10	U	11	U	53	U	10	U	10	U	10	U	10	U	52	U	10	U	10	U	10	U	12	U	10	U	10	U

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TABLE 2

PRE-SVE CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

Target Compound (units in ug/kg)	B-14 145.5-6 09/19/96 5.75 B14		B-14 1413.5-14 09/19/96 13.75 B14		B-14 1420.5-21 09/19/96 20.75 B14		B-14 1430-31.5 09/19/96 30.75 B14		B-15A 15A1-1.5 09/23/96 1.25 B14		B-15A 15A6-6.5 09/23/96 6.25 B14		B-15A 15A10.5-11 09/23/96 10.75 B14		B-15A 15A20-21 09/23/96 20.5 B14		B-15A 15A31-31.5 09/23/96 31.25 B14		B-16 161-1.5 09/23/96 1.25 B16		B-16 167.5-8.5 09/23/96 8 B16		B-16 1611-11.5 09/23/96 0 B16		B-16 1620-20.5 09/24/96 20.25 B13		B-16 1630.5-31.5 09/24/96 30.75 B13	
Acetone	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
Benzene	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
Bromodichloromethane	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
Bromoform	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
Bromomethane	10	U	10	U	11	U	11	U	52	UY	10	U	10	U	10	U	10	U	11	UY	10	UY	10	UY	10	UY	10	UY		
2-Butanone	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
Carbon disulfide	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
Carbon tetrachloride	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
Chlorobenzene	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
Chlorodibromomethane	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
Chloroethane	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
Chloroform	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
Chloromethane	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
1,1-Dichloroethane	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
1,1-Dichloroethene	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
1,2-Dichloroethane	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
1,2-Dichloroethene	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
1,2-Dichloropropane	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
cis-1,3-Dichloropropene	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
trans-1,3-Dichloropropene	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
Ethylbenzene	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
2-Hexanone	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
Methylene chloride	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	2	J	10	U	3	J		
4-Methyl-2-pentanone	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
Styrene	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
Tetrachloroethene	10	U	10	U	11	U	11	U	12	J	10	U	10	U	10	U	10	U	4	J	15		10	U	10	U	10	U		
1,1,2,2-Tetrachloroethane	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	UY	10	U	10	UY		
Toluene	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
1,1,1-Trichloroethane	10	U	10	U	11	U	11	U	15	J	10	U	10	U	10	U	10	U	38		33		3	J	10	U	10	U		
1,1,2-Trichloroethane	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
Trichloroethene	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
Vinyl chloride	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		
Xylene (total)	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U	10	U	11	U	10	U	10	U	10	U	10	U		

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TABLE 2

PRE-SVE CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

Target Compound (units in ug/kg)	B-16 1641-41.5 09/24/96 41.25 B13		B-17 17.5-1 09/24/96 0.75 B13		B-17 176-6.5 09/24/96 6.25 B13		B-17 1710.5-11 09/24/96 10.75 B13		B-17 1720.5-21 09/24/96 20.75 B13		B-17 1730.5-31.5 09/24/96 31 B13		B-18B 18B.5-1 09/24/96 0.75 B13		B-18B 18B8-8.5 09/24/96 8.25 B14		B-18B 18B10.5-12 09/24/96 11.25 B14		B-18B 18B20.5-21 09/24/96 20.75 B13		B-18B 18B31-31.5 09/24/96 31.25 B13		B-19A 19A0.5-1.5 09/17/96 1 B19A		B-19A 19A6-6.5 09/17/96 6.25 B19A		B-19A 19A11-11.5 09/17/96 11.25 B19A		B-19A 19A21-21.5 09/17/96 21.25 B19A	
Acetone	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Benzene	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Bromodichloromethane	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Bromoform	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Bromomethane	10	UY	11	UY	10	UY	10	UY	11	UY	10	UY	52	U	10	U	10	UY	11	UY	11	UY	52	U	10	U	10	U	10	U
2-Butanone	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Carbon disulfide	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Carbon tetrachloride	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Chlorobenzene	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Chlorodibromomethane	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Chloroethane	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Chloroform	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Chloromethane	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
1,1-Dichloroethane	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
1,1-Dichloroethene	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
1,2-Dichloroethane	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
1,2-Dichloroethene	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
1,2-Dichloropropane	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
trans-1,3-Dichloropropene	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Ethylbenzene	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
2-Hexanone	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Methylene chloride	10	U	11	U	10	U	2	J	3	J	2	J	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
4-Methyl-2-pentanone	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Styrene	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Tetrachloroethene	10	U	11	U	10	U	10	U	11	U	10	U	12	J	10	U	10	U	11	U	11	U	42	J	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	10	U	11	U	10	U	10	UY	11	UY	10	UY	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Toluene	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
1,1,1-Trichloroethane	10	U	11	U	10	U	10	U	11	U	10	U	23	J	10	U	10	U	11	U	11	U	59		10	U	10	U	10	U
1,1,2-Trichloroethane	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Trichloroethene	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Vinyl chloride	10	U	11	U	10	U	10	U	11	U	10	U	52	U	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U
Xylene (total)	10	U	11	U	10	U	10	U	11	U	10	U	12	J	10	U	10	U	11	U	11	U	52	U	10	U	10	U	10	U

TABLE 2

PRE-SVE CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

Target Compound (units in ug/kg)	B-19A		B-20		B-20		B-20		B-20		B-20		G-1		G-2		NPIL1SS-A		NPIL1SS-B		8 (water)		9 (water)		9D (water)	
	19A31-31.5		202-2.5		205.5-6.5		2012.5-13		2020.5-21		2030-30.5		G-1		G-2		NPIL1SS A		NPIL1SS B		8		9		9D	
	09/17/96		09/17/96		09/17/96		09/17/96		09/17/96		09/17/96		09/24/96		09/24/96		09/04/96		09/04/96		09/18/96		09/19/96		09/19/96	
	31.25		2.25		6		12.75		20.75		30.25		0.25		0.25		0.25		0.25		55		59		59	
	B19A		B19A		B19A		B19A		B19A		B19A		B13		B13		NPI		NPI		B14		B8		B8	
Acetone	10	U	170		10	U	10	U	10	U	10	U	26	U	53	U	15		8	J	10		5	H	10	U
Benzene	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	10	U	10	UH	10	U
Bromodichloromethane	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	10	U	10	UH	10	U
Bromoform	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	10	U	10	UH	10	U
Bromomethane	10	U	53	U	10	U	10	U	10	U	10	U	26	UY	53	UY	10	U	10	U	10	U	10	UH	10	U
2-Butanone	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	3	J	2	J	10	U	10	UH	10	U
Carbon disulfide	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	10	U	10	UH	10	U
Carbon tetrachloride	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	10	U	10	UH	10	U
Chlorobenzene	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	UZ	10	UZ	10	U	10	UH	10	U
Chlorodibromomethane	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	10	U	10	UH	10	U
Chloroethane	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	10	U	10	UH	10	U
Chloroform	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	10	U	10	UH	10	U
Chloromethane	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	10	U	10	UH	10	U
1,1-Dichloroethane	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	9		34	H	34	
1,1-Dichloroethene	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	10	U	10	UH	10	U
1,2-Dichloroethane	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	10	U	10	UH	10	U
1,2-Dichloroethene	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	10	U	10	UH	10	U
1,2-Dichloropropane	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	10	U	10	UH	10	U
cis-1,3-Dichloropropene	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	10	U	10	UH	10	U
trans-1,3-Dichloropropene	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	10	U	10	UH	10	U
Ethylbenzene	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	UZ	10	UZ	10	U	10	UH	10	U
2-Hexanone	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	UZ	10	UZ	10	U	10	UH	10	U
Methylene chloride	10	U	53	U	10	U	10	U	10	U	10	U	7	J	16	J	10	U	10	U	10	U	10	UH	10	U
4-Methyl-2-pentanone	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	UZ	10	UZ	10	U	10	UH	10	U
Styrene	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	UZ	10	UZ	10	U	10	UH	10	U
Tetrachloroethene	10	U	140		10	U	10	U	10	U	10	U	26	U	21	J	10	UZ	10	UZ	2		10	UH	10	U
1,1,2,2-Tetrachloroethane	10	U	53	U	10	U	10	U	10	U	10	U	26	UY	53	UY	10	UZ	10	UZ	10	U	10	UH	10	U
Toluene	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	UZ	10	UZ	10	U	10	UH	10	U
1,1,1-Trichloroethane	10	U	16	J	10	U	10	U	10	U	10	U	20	J	61		10	U	10	U	20		41	H	40	
1,1,2-Trichloroethane	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	10	U	10	UH	10	U
Trichloroethene	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	20		3	H	3	
Vinyl chloride	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	U	10	U	10	U	10	UH	10	U
Xylene (total)	10	U	53	U	10	U	10	U	10	U	10	U	26	U	53	U	10	UZ	10	UZ	10	U	10	UH	10	U

NOTES:

H = Result is estimated because the holding time was exceeded.

J = Concentration is between the limit of detection and the limit of quantitation.

U = Not detected at or above the concentration shown.

Y = ?

Z = Result is estimated because the internal standard area was below the quality control limit.

Gannett Fleming

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 3

CONCENTRATIONS OF METALS IN SOIL SAMPLES FROM SOUTHERN LOBE - 1995 DATA

Target Compound (units in ug/kg)	Site:	B-01		B-01		B-01		B-01		B-01		B-01		B-01		B-01	
	Sample ID:	B-1-0		B-1-10		B-1-17		B-1-21		B-1-23		B-1-23D		B-1-25		B-1-27	
	Date Collected:	08/30/95		08/30/95		08/30/95		08/30/95		08/30/95		08/30/95		08/30/95		08/30/95	
	Average Depth (ft):	0		10		17		21		23		23		25		27	
	Sample Delivery Group:	B-1-0		B-1-10		B-1-10		B-1-10		B-1-0		B-1-0		B-1-10		B-1-10	
Aluminum		3790		2320	E	2860	E*	2650	E*	2500		2420		2220	E*	2800	E*
Antimony		5.03	U	0.46		0.47		0.71	B	4.96	U	5.11	U	0.42	U	0.42	U
Arsenic		0.84	U	1.2		1		0.82	U	0.82	U	0.85	U	0.84	U	0.84	U
Barium		19.7	B	16.3	E	20.5	E	16.1	BE	13.3	B	14.8	B	14.4	BE	18.1	BE
Beryllium		0.26	B	0.2		0.23		0.21	U	0.21	B	0.23	B	0.21	U	0.21	U
Cadmium		5.3		2.3		1.6		1.6		1.6		1.8		1.2		2.5	
Calcium		2380		1230	E	1170	E	1220	E	1160		1170		1200	E	1400	E
Chromium		58.5		27.9	E*	18.1	E*	18	E*	11.9		12		9.9	E*	14.1	E*
Cobalt		3.8	B	3.3		3.4		3.4	B	2.5	B	2.3	B	2.9	B	4.3	B
Copper		50.5		19.5	E*	55.7	E*	34.6	E*	27.5		26		22.9	E*	35.1	E*
Cyanide		0.15	U	0.15	UN	0.18	BN	0.19	BN	0.14	U	0.17	U	0.17	UN	0.15	UN
Iron		5910		5550	*	6690	*	6320	*	4350		4730		5070	*	6270	*
Lead		3.4		0.59	B	1.1		1.1		1.2		1.2		0.67		1.2	
Magnesium		2220		1470	E	1650	E	1460	E	1250		1260		1170	E	1780	E
Manganese		79		56.8	E*	61.5	E*	62.2	E*	49.2		58.3		73	E*	92.8	E*
Mercury		0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Nickel		27.6		15.3		20.2		20.6		16		15.8		16.5		26.2	
Potassium		232	B	153	B	201	B	240	B	170	B	174	B	163	B	197	B
Selenium		0.84	U	0.82	U	0.87	U	0.82	U	0.82	U	0.85	U	0.84	U	0.84	U
Silver		0.84	U	0.2	U	0.22	U	0.21	U	0.82	U	0.85	U	0.21	U	0.21	U
Sodium		217	B	158	B	205	B	210	B	196	B	193	B	186	B	201	B
Thallium		1.04	U	1.03	U	1.09	U	1.03	U	1.03	U	1.06	U	1.05	U	1.05	U
Vanadium		12.6		13.2	E	15.8	E	19.9	E	12.4		14.4		14.9	E	15.8	E
Zinc		117		31.9	*	38.9	*	30.8	*	19.7		23.2		36.4	*	69.8	*

TABLE 3

CONCENTRATIONS OF METALS IN SOIL SAMPLES FROM SOUTHERN LOBE - 1995 DATA

Target Compound (units in ug/kg)	B-01		B-01		B-01		B-02		B-02		B-02		B-02		B-02		B-02		B-03		B-03	
	B-1-29		B-1-33		B-1-31		B-2-0		B-2-5		B-2-10		B-2-10D		B-2-15		B-2-20		B-2-25		B-3-2		B-3-7	
	08/30/95		08/30/95		08/31/95		08/30/95		08/30/95		08/30/95		08/30/95		08/30/95		08/30/95		08/30/95		08/31/95		08/31/95	
	29		33		31		0		5		10		10		15		20		25		2		7	
	B-1-10		B-1-10		B-4-34		B-1-10		B-1-10		B-1-10		B-1-10		B-1-10		B-4-34		B-1-10		B-4-34		B-4-34	
Aluminum	2880	E*	3090	E*	2600		3730	E*	2660	E*	2600	E*	2520	E*	1670	E*	2330		1630	E*	1820		2050	
Antimony	0.51	B	0.73	B	5.13	U	0.41	U	0.43	U	0.45	B	0.42	U	0.46	B	5.32	U	0.62	B	5.08	U	4.93	U
Arsenic	0.84	U	1.2	B	0.87	B	0.82	U	0.86	U	0.85	U	0.85	U	0.86	U	0.88	U	0.84	U	0.84	U	0.82	U
Barium	17.2	BE	18.6	BE	16.4	B	27.5	BE	20.3	BE	20	BE	18.1	BE	14.1	BE	12.2	B	8.6	BE	14.1	B	13.6	B
Beryllium	0.21	U	0.39	B	0.24	B	0.25	B	0.21	U	0.23	B	0.23	B	0.21	U	0.33	B	0.21	U	0.2	U	0.2	U
Cadmium	1.8		2.6		2.7		0.27	B	0.21	U	0.21	U	0.21	U	0.21	U	0.44	U	0.21	U	0.41	U	0.41	U
Calcium	1590	E	7030	E	1260		1650	E	1200	E	1470	E	1270	E	1010	BE	1360		1050	BE	816	B	1070	
Chromium	15.7	E*	17.4	E*	16.6		20.7	E*	11.7	E*	10.4	E*	9.3	E*	5.7	E*	6.9		5.9	E*	6.6		8.8	
Cobalt	4.2	B	4.5	B	3.4	B	5.9	B	4.2	B	4.1	B	3.5	B	2.6	B	3.2	B	2.5	B	2.3	B	2.3	B
Copper	52	E*	60.4	E*	53.3		22.7	E*	13	E*	12	E*	11.2	E*	6	E*	9.6		5.1	BE*	8.8		9.5	
Cyanide	0.28	BN	0.17	UN	0.15	UN	0.16	UN	0.14	UN	0.14	UN	0.16	UN	0.18	BN	0.16	UN	0.15	UN	0.15	UN	0.14	UN
Iron	7310	*	7490	*	5070		10200	*	6360	*	5490	*	4660	*	3670	*	4600		3170	*	2820		3790	
Lead	0.9		2		1.1		3.1		1.5		1.3		1.3		0.81		0.97		1.3		0.48	B	0.68	
Magnesium	1890	E	1720	E	1710		2340	E	1720	E	1610	E	1460	E	1010	BE	1470		1010	BE	1090		1300	
Manganese	102	E*	138	E*	81.5		121	E*	113	E*	131	E*	121	E*	82.2	E*	110		75.2	E*	60.3		66.6	
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U
Nickel	28.9		29		25		32.1		20.5		14.2		13.2		7.1	B	8.3	B	6.5	B	10.5		9.7	
Potassium	235	B	308	B	217	B	240	B	180	B	212	B	212	B	138	B	169	B	208	B	136	B	155	B
Selenium	0.84	U	0.85	U	0.85	U	0.82	U	0.86	U	0.85	U	0.85	U	0.86	U	0.89	U	0.84	U	0.84	U	0.82	U
Silver	0.21	U	0.2	U	0.85	U	0.2	U	0.21	U	0.21	U	0.21	U	0.21	U	0.89	U	0.21	U	0.84	U	0.82	U
Sodium	248	B	296	B	234	B	211	B	173	B	238	B	227	B	162	B	233	B	409	B	206	B	184	B
Thallium	1.05	U	1.05	U	1.06	U	1.02	U	1.08	U	1.06	U	1.06	U	1.08	U	1.1	U	1.05	U	1.05	U	1.02	U
Vanadium	12.3	E	14	E	9.6	B	21	E	12	E	14	E	10.9	E	8.1	E	13.1		8.2	BE	7.1	B	9.5	B
Zinc	49.6	*	56.3	*	39.2	E	300	*	142	*	50	*	39.7	*	19	*	19.8	E	16.3	*	29.3	E	29	E

TABLE 3

CONCENTRATIONS OF METALS IN SOIL SAMPLES FROM SOUTHERN LOBE - 1995 DATA

Target Compound (units in ug/kg)	B-03 B-3-7D 08/31/95 7 B-4-34		B-03 B-3-9 08/31/95 9 B-4-34		B-03 B-3-11 08/31/95 11 B-4-34		B-03 B-3-13 08/31/95 13 B-4-34		B-03 B-3-15 08/31/95 15 B-4-34		B-03 B-3-17 08/31/95 17 B-4-34		B-03 B-3-19 08/31/95 19 B-4-34		B-04 B-4-5 08/31/95 5 B-1-0		B-04 B-4-10 08/31/95 10 B-1-0		B-04 B-4-15 08/31/95 15 B-1-0		B-04 B-4-20 08/31/95 20 B-1-0		B-04 B-4-25 08/31/95 25 B-1-0		B-04 B-4-25D 08/31/95 25 B-1-0	
Aluminum	2030		1580		1950		1990		2700		2480		2720		5390		3880		4100		2910		2420		2550	
Antimony	4.99	U	5.02	U	5.02	U	4.96	U	5.56	U	5.04	U	4.95	U	4.99	U	5.04	U	4.98	U	5.07	U	4.9	U	4.92	U
Arsenic	0.98	B	0.83	U	0.83	U	0.82	U	1	B	0.84	U	0.82	U	0.83	U	0.84	U	0.83	U	0.84	U	0.81	U	0.81	U
Barium	13.7	B	11.1	B	13.3	B	13.4	B	13.5	B	11.3	B	11.4	B	19.2	B	17.9	B	17	B	16.4	B	13.2	B	12.5	B
Beryllium	0.2	U	0.2	U	0.2	U	0.27	B	0.23	U	0.2	U	0.2	U	0.34	B	0.26	B	0.27	B	0.22	B	0.27	B	0.21	B
Cadmium	0.44	B	0.41	U	0.41	U	0.41	U	0.46	U	0.42	U	0.41	U	7.2		5.3		2.8		2.3		2.1		2	
Calcium	1160		920	B	1180		1170		1590		1550		1390		2320		1630		1580		1190		958	B	1070	
Chromium	7.9		5.7		7.3		7		9.7		8.2		7.3		39.3		40.7		31.2		27.1		17.7		21.8	
Cobalt	2.1	B	2.6	B	2.9	B	3.1	B	4	B	3	B	3.4	B	6	B	5.5	B	5.2	B	4	B	2.5	B	2.6	B
Copper	9.4		6.9		7.7		8.4		9.5		8.2		8.3		43.5		44.1		36		25.2		24.7		22.3	
Cyanide	0.15	UN	0.15	UN	0.14	U	0.14	UN	0.16	UN	0.15	UN	0.14	UN	0.83	U	0.84	U	0.83	U	0.84	U	0.81	U	0.81	U
Iron	3930		2750		4010		4500		5270		4870		5430		8370		7360		6960		5380		4340		4880	
Lead	1.3		0.6	B	1		0.77		1.2		0.88		0.96		1.4		1.7		1.2		1.2		1.1		1.1	
Magnesium	1330		1010	U	1220		1280		1690		1480		1730		3380		2410		2560		1550		1390		1390	
Manganese	68.6		67.5		70.4		69.5		102		75		67.6		108		89.3		109		72.5		64.4		57.7	
Mercury	0.1	U	0.1	U	0.11	U	0.1	U	0.12	U	0.1	U	0.1	U	0.1	U	0.1	U	0.11	U	0.1	U	0.11	U	0.1	U
Nickel	10.1		5.5	B	9.1		11.2		13.4		9.1		12.9		43.1		43.7		29.7		17.7		21.5		18.7	
Potassium	144	B	138	B	145	B	149	B	177	B	165	B	188	B	233	B	208	B	223	B	207	B	169	B	188	B
Selenium	0.83	U	0.83	U	0.83	U	0.82	U	0.92	U	0.84	U	0.82	U	0.83	U	0.84	U	0.83	U	0.84	U	0.81	U	0.81	U
Silver	0.83	U	0.83	U	0.83	U	0.82	U	0.92	U	0.84	U	0.82	U	0.83	U	0.84	U	0.83	U	0.84	U	0.81	U	0.81	U
Sodium	177	B	169	B	154	B	151	B	191	B	150	B	152	B	264	B	140	B	281	B	181	B	154	B	186	B
Thallium	1.04	U	1.04	U	1.04	U	1.03	U	1.15	U	1.05	U	1.03	U	1.04	U	1.05	U	1.03	U	1.05	U	1.02	U	1.02	U
Vanadium	11.1		7.9	B	12.3		14.2		15		12.6		13.3		17.1		15.9		15.7		12.3		8.9		13.6	
Zinc	40.7	E	9.6	E	26.8	E	45.4	E	28.4	E	27	E	41.8	E	90.3		80.9		57.3		33.8		27		30.5	

TABLE 3

CONCENTRATIONS OF METALS IN SOIL SAMPLES FROM SOUTHERN LOBE - 1995 DATA

Target Compound (units in ug/kg)	B-04 B-4-28 08/31/95 28 B-1-0		B-04 B-4-30 08/31/95 30 B-1-0		B-04 B-4-32 08/31/95 32 B-1-0		B-04 B-4-34 08/31/95 34 B-4-34		B-04 B-4-36 08/31/95 36 B-1-0		B-05 B-5-2 08/31/95 2 B-1-10		B-05 B-5-7 08/31/95 7 B-1-0		B-05 B-5-12 08/31/95 12 B-1-10		B-05 B-5-16 08/31/95 16 B-1-10		B-05 B-5-18 08/31/95 18 B-1-10		B-05 B-5-20 08/31/95 20 B-1-10		B-05 B-5-20D 08/31/95 20 B-1-10	
Aluminum	2370		2970		2890		3990		2220		3210	E*	4240		1990	E*	2070	E*	2710	E*	2490	E*	2800	E*
Antimony	4.96	U	4.96	U	4.89	U	5.06	U	4.84	U	0.56	B	4.93	U	0.59	B	0.42	U	0.74	B	0.54	B	0.47	B
Arsenic	0.82	U	0.82	U	0.81	U	0.98	B	0.8	U	0.81	U	0.93	B	0.82	U	0.85	U	0.89	U	0.84	U	0.81	U
Barium	13.5	B	14.4	B	16.4	B	22	B	15.2	B	31.5	BE	27.2	B	10.5	BE	10.2	BE	11.6	BE	10.7	BE	11	BE
Beryllium	0.22	B	0.26	B	0.23	B	0.37	B	0.24	B	0.23	B	0.3	B	0.2	U	0.21	U	0.22	U	0.21	U	0.2	U
Cadmium	1.9		2.7		2.5		4.8		2.6		0.49	B	0.45	B	0.2	U	0.21	U	0.22	U	0.21	U	0.2	U
Calcium	1030	B	1250		1290		1730		1090		1690	E	2180		1430	E	1330	E	1750	E	1380	E	1740	E
Chromium	19.8		20.6		20.3		26.6		15.8		11	E*	11.8		7.3	E*	7	E*	8.9	E*	7.8	E*	8.7	E*
Cobalt	2.6	B	3.1	B	3.4	B	4.7	B	3.2	B	5	B	6.1	B	3.3	B	2.8	B	4.1	B	4	B	4.2	B
Copper	23.4		26.1		30.1		60.2		44.1		17.3	E*	19.3		8.4	E*	9.4	E*	17.1	E*	10.7	E*	11.5	E*
Cyanide	0.82	U	0.82	U	0.81	U	0.15	NU	0.14	U	0.16	BN	0.15	U	0.18	BN	0.18	BN	0.24	BN	0.14	UN	0.33	BN
Iron	4410		5710		5070		8480		5630		8720	*	7010		4700	*	4550	*	7550	*	5660	*	6640	*
Lead	1.5		1.3		1.6		1.3		1.2		1		1.9		0.48	B	0.49	B	1.1		0.79		0.96	
Magnesium	1300		1850		1860		2340		1480		1800	E	2760		1280	E	1480	E	1720	E	1750	E	1920	E
Manganese	61.5		80.1		79.3		125		92.8		137	E*	154		91.6	E*	106	E*	119	E*	129	E*	159	E*
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.11	U	0.1	U	0.12	U	0.11	U	0.15	
Nickel	19.6		24		32.4		43.8		31.9		22.4		21		7.7	B	8.7		10.6		10.3		10.2	
Potassium	164	B	201	B	185	B	334	B	172	B	266	B	256	B	157	B	158	B	196	B	192	B	206	B
Selenium	0.82	U	0.82	U	0.81	U	0.84	U	0.8	U	0.96	B	0.82	U	0.82	U	0.85	U	0.89	U	0.84	U	0.81	U
Silver	0.82	U	0.82	U	0.81	U	0.84	U	0.8	U	0.2	U	0.82	U	0.2	U	0.21	U	0.22	U	0.21	U	0.2	U
Sodium	163	B	191	B	221	B	278	B	172	B	193	B	198	B	267	B	235	B	286	B	204	B	210	B
Thallium	1.03	U	1.03	U	1.01	U	1.05	U	1	U	1.02	U	1.02	U	1.02	U	1.07	U	1.11	U	1.05	U	1.02	U
Vanadium	10.5	B	13.4		9.1	B	14.9		8.5	B	21.7	E	15.3		13.6	E	9.7	BE	17.1	E	12.1	E	14.9	E
Zinc	25.2		26.1		37.8		50.4	E	32		45.6	*	28.9		12.4	*	12.1	*	20.3	*	22.4	*	20.2	*

TABLE 3

CONCENTRATIONS OF METALS IN SOIL SAMPLES FROM SOUTHERN LOBE - 1995 DATA

Target Compound (units in ug/kg)	B-05 B-5-22 08/31/95 22 B-1-10		B-07 B-7-0 08/31/95 0 B-1-0		B-07 B-7-5 08/31/95 5 B-1-0		B-07 B-7-10 08/31/95 10 B-1-0		B-07 B-7-10D 08/31/95 10 B-1-0		B-07 B-7-14 08/31/95 14 B-1-0		B-07 B-7-15 08/31/95 15 B-1-0	
Aluminum	2720	E*	4920		3520		2620		2720		2520		382	
Antimony	0.41	U	5.02	U	5.11	U	4.97	U	4.85	U	4.89	U	4.95	U
Arsenic	0.82	U	1.4	B	0.85	U	0.83	U	0.8	U	0.81	U	0.82	U
Barium	10.9	BE	26	B	26.5	B	16	B	17.2	B	11.7	B	3.3	B
Beryllium	0.22	B	0.3	B	0.26	B	0.21	B	0.24	B	0.23	B	0.2	U
Cadmium	0.2	U	6.1		4.1		0.43	B	0.52	B	0.41	U	0.41	U
Calcium	1520	E	1290		1080		1420		1550		1500		205	B
Chromium	8.9	E*	87.3		41.1		6.5		7.2		8.2		2.1	
Cobalt	4.2	B	5.4	B	3.3	B	3.5	B	3.4	B	3.1	B	1.03	U
Copper	10.8	E*	44.1		22.7		11.9		12.7		12.3		2.8	B
Cyanide	0.16	UN	1.1		0.21	B	0.15	U	0.18	B	0.17	B	0.22	B
Iron	7810	*	6640		4550		3960		4880		4700		758	
Lead	1		12.7		11.2		1.2		1.1		1.3		0.66	
Magnesium	1880	E	1810		1410		1770		1860		1540		121	B
Manganese	106	E*	131		160		120		121		98.5		7.7	
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Nickel	12.6		29.6		16		7.6	B	7.8	B	9.4		2.47	U
Potassium	198	B	226	B	175	B	144	B	168	B	190	B	164	B
Selenium	0.82	U	0.83	U	0.85	U	0.83	U	0.8	U	0.81	U	0.82	U
Silver	0.2	U	0.83	U	0.85	U	0.83	U	0.8	U	0.81	U	0.82	U
Sodium	202	B	158	B	158	B	148	B	140	B	182	B	123	B
Thallium	1.02	U	1.04	U	1.06	U	1.03	U	1.01	U	1.01	U	1.03	U
Vanadium	17.7	E	17.3		12.7		8.6	B	14.4		13.4		3.9	B
Zinc	31.9	*	67.5		68.5		10.8		16.6		12.4		2.2	B

NOTES:

B = Compound was also detected in the associated method blank.
E = Concentration estimated due to matrix interferences.
N = Spiked sample recovery not within control limits.
U = Not detected at or above the concentration shown.
* = Duplicate analysis was not within control limits.

Gannett Fleming

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 4

CONCENTRATIONS OF METALS IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

Target Compound (units in ug/kg)	Site:	B-08		B-08		B-08		B-08		B-08		B-08		B-08		B-08		B-09	
	Sample ID:	8.5-1		86.5-7		811-12		820.5-21		830.5-31		840.5-41		850.5-51		860-60.5		91-1.5	
	Date Collected:	09/18/96		09/18/96		09/18/96		09/18/96		09/18/96		09/18/96		09/18/96		09/18/96		09/18/96	
	Average Depth (ft):	0.75		6.75		11.5		20.75		30.75		40.75		50.75		60.25		1.25	
	Sample Delivery Group:	B8		B8		B8		B8		B8		B8		B8		B8		B8	
Aluminum		3740		2280		1620		1620		2750		1720		2030		1110		2350	
Antimony		0.66	U	0.62	U	0.63	U	0.63	U	0.63	U	0.62	U	0.63	U	0.67	U	0.64	U
Arsenic		1.3	B	0.62	U	0.63	U	0.64	B	0.65	B	0.62	U	0.67	B	0.67	U	0.84	B
Barium		31.1	B	15.5	B	9.6	B	9.5		14.3	B	8	B	5.6	B	5.4	B	15.1	B
Beryllium		0.22	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.67	U	0.22	U	0.21	U
Cadmium		0.47	B	0.21	U	0.21	U	0.52	B	0.21	U	0.21	U	1.9		0.89	B	4.3	
Calcium		12100		1020	B	595	B	849	B	1490		961	B	1140		714	B	2250	
Chromium		14	*	7.7	*	5.6	*	5.3	*	7.6	*	4.5	*	6.6	*	6	*	18.1	*
Cobalt		4.2	B	2.4	B	2	B	2.4	B	4.3	B	2.6	B	3.5	B	1.4	B	4.1	B
Copper		23.5		6		7.5		6		9.5		6.3		8.5		4.2	B	31.3	
Cyanide		0.23	B	0.14	U	0.15	U	0.15	U	0.23	B	0.15	U	0.15	U	0.15	U	0.16	U
Iron		7330	*	5650	*	3220	*	2990	*	6670	*	3950	*	5560	*	2420	*	5560	*
Lead		8.1	*	0.99	*	0.6	B*	0.51	B*	0.86	*	0.66	*	0.8	*	3	*	4.1	*
Magnesium		2380		1130		977	B	1030	B	1740		1110		1410		614	B	1650	
Manganese		194	n*	60.6	n*	57	n*	73.6	n*	112	n*	64.5	n*	87.6	n*	35.7	n*	109	n*
Mercury		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.06	U	0.05	U
Nickel		14.8		5.1	B	4.7	B	5.1	B	7.6	B	5	B	9.3		5.7	B	27.3	
Potassium		275	B	162	B	135	B	159	B	188	B	127	B	141	B	217	B	240	B
Selenium		0.66		0.62	U	0.63	U	0.63	U	0.63	U	0.62	U	0.63	U	0.67	U	0.64	U
Silver		0.22		0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.22	U	0.21	U
Sodium		60.2	B	101	B	38.6	B	51.6	B	73.5	B	35.3	U	54.5	B	44.3	B	68.9	B
Thallium		1.3	U	1.2	U	1.3	U	1.3	U	1.3	U	1.2	U	1.3	U	1.3	U	1.3	U
Vanadium		17.1		13.5		7.8	B	6.6	B	15.5		10.4		16.7		5.1	B	14.3	
Zinc		207	E*	17.5	E*	20.2	E*	9.9	E*	10.9	E*	6.6	E*	28.6	E*	16.3	E*	167	E*

TABLE 4

CONCENTRATIONS OF METALS IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

Target Compound (units in ug/kg)	B-09 95.5-6 09/18/96 5.75 B8		B-09 95.5-6 D 09/18/96 5.75 B8		B-09 910.5-12 09/18/96 11.25 B19A		B-09 921-21.5 09/18/96 21.25 B8		B-09 931-31.5 09/18/96 31.25 B8		B-09 940.5-41 09/18/96 40.75 B8		B-09 950.5-51 09/18/96 50.75 B8		B-10 101-1.5 09/19/96 1.25 B8		B-10 105.5-6 09/19/96 5.75 B8		B-10 1010-11.5 09/19/96 10.75 B8		B-10 1010-11.5 D 09/19/96 10.75 B8		B-10 1021-21.5 09/19/96 21.25 B8	
Aluminum	2220		NA		1420		1320		2520		2500		1790		1870		2120		2250		2661		1540	
Antimony	0.64	U	NA		0.62	U	0.62	U	0.62	U	0.62	U	0.62	U	0.62	U	0.62	U	0.63	U	0.62	U	0.63	U
Arsenic	0.64	U	NA		0.97	B	0.62	U	0.62	U	1.1	B	0.62	U	0.62	U	0.62	B	0.76	B	0.7	B	0.63	U
Barium	11.6	B	NA		8	B	8.1	B	13.7	B	8.2	B	8.2	B	12.9	B	15.8	B	13.9	B	14	B	9.2	B
Beryllium	0.21	U	NA		0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Cadmium	1.2		NA		7.4		2.1		1.8		2.3		4.3		0.7	B	1.1		1	B	0.93	B	0.35	B
Calcium	1120		NA		769	B	496	B	1170		939	B	944	B	1130		1370		1240		1524		788	B
Chromium	8.5	*	NA		7.7		34	*	40.6	*	23.6	*	22.4	*	14.9	*	16.2	*	9.3	*	13.7	*	6.3	*
Cobalt	3.4	B	NA		2.5	B	2.1	B	2.8	B	2.7	B	2.8	B	2.4	B	2.9	B	3.5	B	3.4	B	2.4	B
Copper	11.8		NA		19		8.2		9.4		12.8		15		9.1		26.5		8.7		12.1		5.7	
Cyanide	0.15	U	0.16	U	0.16	U	0.14	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U
Iron	4760	*	NA		3480		3080	*	6450	*	6410	*	4390	*	4830	*	5830	*	5290	*	6630	*	3650	*
Lead	1.4	*	NA		0.71		0.56	B*	0.84	*	1.1	*	0.73	*	3.7	*	6	*	1.2	*	2	*	0.85	*
Magnesium	1390		NA		812	B	817	B	1540		1590		1000	B	1170		1320		1360		1581		897	B
Manganese	125	n*	NA		68.2		39.8	n*	78.2	n*	61.6	n*	63.9	n*	61	n*	74.5	n*	136	n*	100	n*	99.6	n*
Mercury	0.05	U	NA		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Nickel	20.7		NA		12.2		4.5	B	7	B	8.4		15.5		7.2	B	12.4		9.6		10.2		8	B
Potassium	179	B	NA				110	B	185	B	162	B	108	B	179	B	178	B	185	B	236	B	179	B
Selenium	0.64	U	NA		0.62	U	0.62	U	0.62	U	0.62	U	0.62	U	0.62	U	0.89	B	0.63	U	0.63	U	0.63	U
Silver	0.21	U	NA		0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Sodium	75.2	B	NA				35.6	U	79.1	B	38.1	B	38	B	56.8	B	88.5	B	64	B	92.8	B	36	U
Thallium	1.3	U	NA		1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.3	U	1.3	U	1.3	U
Vanadium	9.5	B	NA		8	B	6.8	B	13.2		13.5		10.6		11.3		12.4		14.7		16		8.9	B
Zinc	35.6	E*	NA		21.8		8.5	E*	12.3	E*	13.3	E*	29.2	E*	38.3	E*	173	E*	23.1	E*	45.5	*	7.5	E*

TABLE 4

CONCENTRATIONS OF METALS IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

Target Compound (units in ug/kg)	B-10 1031-31.5 09/19/96 31.25 B19A		B-10 1041-41.5 09/19/96 41.25 B19A		B-11 111-1.5 09/19/96 1.25 B19A		B-11 118-9 09/19/96 8.5 B19A		B-11 118-9 D 09/19/96 8.5 B19A		B-11 1111-11.5 09/19/96 11.25 B19A		B-11 1120.5-21 09/19/96 20.75 B19A		B-11 1131-31.5 09/19/96 31.25 B19A		B-11 1141-41.5 09/19/96 41.25 B19A		B-11 1149.5-50 09/19/96 49.75 B19A		B-12A 12A1-1.5 09/23/96 1.25 B14		B-12A 12A6-6.5 09/23/96 6.25 B14		B-12A 12A11-11.5 09/23/96 11.25 B14	
Aluminum	1610		2610		3300		2480		2576		2550		1960		1560		1840		782		4230		2000		2040	
Antimony	0.63	U	0.62	U	0.74	B	0.95	B	0.63	U	0.94	B	0.62	U	0.61	U	0.62	U	0.65	U	0.63	U	0.62	U	0.62	U
Arsenic	1.4	B	1.4	B	1.5	B	1.3	B	1.2	B	1.1	B	1.1	B	0.92	B	1	B	0.65	U	1.4	B	0.72	B	0.62	U
Barium	8.9	B	11.4	B	13.5	B	7.9	B	8.6	B	11.2	B	12.3	B	8.5	B	7.1	B	2.9	B	22.8	B	14	B	12	B
Beryllium	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.2	U	0.21	U	0.22	U	0.21	U	0.21	U	0.21	U
Cadmium	1.2		3.9		0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.2	U	0.21	U	0.38	B	6.4		8.2		7	
Calcium	956	B	1300		1470		983	B	1066		1140		1100		849	B	1080		156	B	2060		1050		1130	
Chromium	5.8		26.9		11.2		6.3		6.1		6.7		5.9		5.4		7.4		3.1		100		35.6		23.2	
Cobalt	2.6	B	5.2	B	3.8	B	3.2	B	3.4	B	3.8	B	3.2	B	2.4	B	3.2	B	0.51	B	5.4	B	3.1	B	2.9	B
Copper	6.4		23.2		26.9		9.8		9.7		9.2		7.5		5.3		7.6		2.3	B	48.5		21.3		18.6	
Cyanide	0.15	U	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.14	U	0.15	U	4.2	*	1.7	*	0.53	*
Iron	4660		5810		8860		7430		7388		7110		4180		4860		6820		1010		12700		4890		5880	
Lead	0.62	B	1.3		1.3		0.87		0.81		0.92		0.6	B	0.83		0.91		0.65		23.6		1.8		0.87	
Magnesium	1000	B	1380		1960		1370		1394.0274		1230		1240		825	B	1100		150	B	2880		1200		1160	
Manganese	64.7		126		65.7		74.5		74.4		122		105		70.7		88.2		8.5		118		116		59.1	
Mercury	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Nickel	13.2		42.8		10.5		6.8	B	6.7	B	7	B	6.1	B	4.5	B	6.5	B	3.7	B	54.9		12.6		13.1	
Potassium	184	B	232	B	210	B	265	B	222	B	198	B	190	B	213	B	186	B	157	B	246	B	172	B	177	B
Selenium	0.63	U	0.62	U	0.63	U	0.63	U	0.63	U	0.63	U	0.62	U	0.61	U	0.62	U	0.65	U	0.63	U	0.62	U	0.62	U
Silver	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.2	U	0.21	U	0.22	U	0.21	U	0.21	U	0.21	U
Sodium	54.3	B	69.7	B	70.5	B	79.9	B	57.5	B	54.5	B	47.4	B	53	B	53.5	B	37.1	U	109	B	63.5	B	57	B
Thallium	1.3	U	1.2	U	1.3	U	1.3	U	1.3	U	1.3	U	1.2	U	1.2	U	1.2	U	1.3	U	1.3	U	1.2	U	1.2	U
Vanadium	24		10.6		16		15		16		18		9.4	B	14.5		20.9		3.2	B	18.9		12.5		16.5	
Zinc	14.9		53		31.3		15.7		14.8		16.4		10		7.2		9.6		9.7		902	E	19.6	E	25.9	E

TABLE 4

CONCENTRATIONS OF METALS IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

Target Compound (units in ug/kg)	B-12A		B-12A		B-13		B-13		B-13		B-13		B-13		B-13		B-14		B-14		B-14		B-14	
	12A21-21.5		12A30.5-32.5		131-1.5		136-6.5		136-6.5 D		1310.5-11		1320-21.5		1330.5-31		1340.5-41		141-1.5		145.5-6		1413.5-14		1420.5-21	
	09/23/96		09/23/96		09/23/96		09/23/96		09/23/96		09/23/96		09/23/96		09/23/96		09/23/96		09/19/96		09/19/96		09/19/96		09/19/96	
	21.25		31.5		1.25		6.25		6.25		10.75		20.75		30.75		40.75		1.25		5.75		13.75		20.75	
	B14		B14		B13		B13		B13		B13		B16		B16		B16		B14		B14		B14		B14	
Aluminum	2130		1620		2010	*	2810	*	NA		1930	*	2220	*	1870	*	1300	*	1630		3120		3140		2730	
Antimony	0.62	U	0.62	U	0.62	U	0.62	U	NA		0.62	U	0.62	U	0.7	U	0.62	U	0.62	U	0.63	U	0.63	U	0.65	U
Arsenic	0.79	B	0.62	U	0.62	U	1.3	B	NA		0.62	U	0.94	B	0.7	U	0.62	U	0.62	U	0.63	U	0.87	B	0.66	B
Barium	15.4	B	9.6	B	-5		6.5	B	NA		11.9	B	14.5	B	10.2	B	10.1	B	11.1	B	15.7	B	16.6	B	13.6	B
Beryllium	0.21	U	0.21	U	0.21	U	0.21	U	NA		0.21	U	0.21	U	0.23	U	0.21	U	0.21	U	0.21	U	0.21	U	0.22	U
Cadmium	3.6		3.5		4.6		3.8		NA		3.2		2.9		1.8		3.8		1.9		5.6		4.7		4.9	
Calcium	1150		861	B	897	BE	1820	E	NA		815	BE	930	B*	934	B*	533	B*	723	B	1410		1430		1560	
Chromium	10.2		11.2		137	N	61.5	N	NA		53.2	N	49.5		23.9		30.4		6.5		11.2		13.2		12.3	
Cobalt	3.8	B	2.9	B	2.6	B	3.5	B	NA		2.5	B	3.3	B	3	B	1.6	B	1.9	B	3.8	B	3.9	B	3.7	B
Copper	17		20.5		30.1	n*	18.9	n*	NA		14.7	n*	20.4		15.9		16.8		7.1		13.5		13.2		12.1	
Cyanide	0.15	U*	0.41	B*	2.6	N	2.6	N	2.8	N	5.3	N	6.3		1.4		0.97		0.15	U*	0.15	U*	0.15	U*	0.15	U*
Iron	5050		4140		5250	*	10800	*	NA		4960	*	5910		4340		2890		3460		7580		7650		7900	
Lead	0.79		0.88		27.7		14.2		NA		3.7		1.7		0.64	B	0.48	B	1		1.3		1.2		0.95	
Magnesium	1220		976	B	1450		1520		NA		1140		1450		1160	B	829	B	961	B	1810		1760		1790	
Manganese	155		69.8		67.6		71.8		NA		51.6		72	n	75.9	n	29.8	n	43.3		88.5		83.9		82.9	
Mercury	0.05	U	0.05	U	0.05	U	0.05	U	NA		0.05	U	0.05	U	0.06	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Nickel	14.1		17.7		10.1		10.7		NA		8.7		11.8		8.8	B	12.5		5.3	B	10.5		11.9		16.1	
Potassium	200	B	178	B	146	B	248	B	NA		173	B	139	B	108	B	85.1	B	172	B	300	B	247	B	202	B
Selenium	0.62	U	0.62	U	0.62	U	0.62	U	NA		0.86	B	0.62	U	0.7	U	0.62	U	0.62	U	0.63	U	0.63	U	0.65	U
Silver	0.21	U	0.21	U	0.21	U	0.21	U	NA		0.21	U	0.21	U	0.23	U	0.21	U	0.21	U	0.21	U	0.21	U	0.22	U
Sodium	47.6	B	37.7	B	38	B	121	B	NA		47.6	B	49.4	B	42.6	B	35.4	U	47.3	B	173	B	60.6	B	76.3	B
Thallium	1.2	U	1.2	U	1.2	U	1.2	U	NA		1.2	U	1.2	U	1.4	U	1.2	U	1.2	U	1.3	U	1.3	U	1.3	U
Vanadium	11		8.9	B	9.2	B	21.4		NA		10	B	14.5		12.3		6.3	B	8.4	B	17		17.8		17.7	
Zinc	16	E	17.8	E	28.6	E	17.7	E	NA		11.9	E	53.4	*	11.1	*	26.9	*	17	E	33.7	E	19.7	E	21.7	E

TABLE 4

CONCENTRATIONS OF METALS IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

Target Compound (units in ug/kg)	B-14		B-14		B-15A		B-15A		B-15A		B-15A		B-15A		B-15A		B-16	
	1430-31.5		1430-31.5 D		15A1-1.5		15A6-6.5		15A10.5-11		15A20-21		15A20-21 D		15A31-31.5		161-1.5	
	09/19/96		09/19/96		09/23/96		09/23/96		09/23/96		09/23/96		09/23/96		09/23/96		09/24/96	
	30.75		30.75		1.25		6.25		10.75		20.5		20.5		31.25		1.25	
	B14		B14		B14		B14		B14		B14		B14		B14		B16	
Aluminum	1920		NA		3130		2410		2030		2920		NA		1280		2750	*
Antimony	0.65	U	NA		0.62	U	0.63	U	0.63	U	0.62	U	NA		0.62	U	0.64	U
Arsenic	0.65	U	NA		0.62	U	0.78	B	0.63	U	0.62	U	NA		0.62	U	1	B
Barium	10.2	B	NA		21.1	B	14.3	B	12	B	14.9	B	NA		5.5	B	17.8	B
Beryllium	0.22	U	NA		0.21	U	0.21	U	0.21	U	0.21	U	NA		0.21	U	0.21	U
Cadmium	21.6		NA		3.4		3.7		4.4		5.5		NA		0.65	B	6.1	
Calcium	1180		NA		1350		1130		1100		1770		NA		656	B	1140	*
Chromium	7.6		NA		44.9		40.5		21.6		18.1		NA		6.4		143	
Cobalt	3.8	B	NA		4.6	B	5	B	3.7	B	5	B	NA		2.1	B	3.1	B
Copper	11.4		NA		42.4		21		28.8		39.2		NA		16.7		23.5	
Cyanide	0.16	U*	0.39	B*	0.15	U*	0.98	*	0.27	B*	0.85	*	0.26	B*	0.15	U*	1.8	
Iron	4410		NA		7420		5090		4390		7760		NA		3120		6990	
Lead	0.66		NA		2.7		0.87		0.65		0.88		NA		0.48	B	19.4	
Magnesium	1200		NA		2250		1570		1320		1730		NA		897	B	1570	
Manganese	108		NA		101		180		101		132		NA		49.6		69.5	n
Mercury	0.05	U	NA		0.05	U	0.05	U	0.05	U	0.05	U	NA		0.05	U	0.05	U
Nickel	18.2		NA		32.9		16.9		17.3		32		NA		9.8		19.1	
Potassium	210	B	NA		183	B	203	B	174	B	270	B	NA		178	B	155	B
Selenium	0.65	U	NA		0.92	B	0.63	U	0.63	U	0.62	U	NA		0.62	U	0.64	U
Silver	0.22	U	NA		0.21	U	0.21	U	0.21	U	0.21	U	NA		0.21	U	0.21	U
Sodium	79.7	B	NA		101	B	36	U	35.7	U	108	B	NA		35.3	U	51	B
Thallium	1.3	U	NA		1.2	U	1.3	U	1.3	U	1.2	U	NA		1.2	U	1.3	U
Vanadium	11.9		NA		11.7		13.7		10.4	B	16.1		NA		7.9	B	15.2	
Zinc	63.4	E	NA		94.2	E	23.1	E	28.2	E	28.2	E	NA		10.4	E	103	*

NOTES:
B = Compound was also detected in the associated method blank.
E = Concentration estimated due to matrix interferences.
N = Spiked sample recovery not within control limits.
U = Not detected at or above the concentration shown.
* = Duplicate analysis was not within control limits.

Gannett Fleming

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSION

TABLE 5

CONCENTRATIONS OF PAHs IN SOIL SAMPLES FROM SOUTHERN LOBE - 1995 DATA

Target Compound (units in ug/kg)	Site:		B-01			B-01			B-01			B-01			B-01			B-01			B-01	
	Sample ID:		B-1-0			B-1-10			B-1-17			B-1-21			B-1-23			B-1-23D			B-1-25	
	Date Collected:		08/30/95			08/30/95			08/30/95			08/30/95			08/30/95			08/30/95			08/30/95	
	Average Depth (ft):		0			10			17			21			23			23			25	
	Sample Delivery Group:		B-1-0			B-1-10			B-1-10			B-1-10			B-1-0			B-1-0			B-1-10	
Benzo(a)pyrene		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
2,4-Dinitrophenol		<	8300	U	<	820	U	<	880	U	<	850	U	<	840	U	<	840	U	<	840	U
Dibenz(a,h)anthracene		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
Benzo(a)anthracene		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
4-Chloro-3-methylphenol		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
Hexachloroethane		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
Hexachlorocyclopentadiene		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
Isophorone		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
Acenaphthene		<	3400	U	<	340	UX	<	360	UX	<	350	UX	<	340	U	<	350	U	<	350	UX
Diethyl phthalate		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
Di-n-butyl phthalate			4200			330	J		320	J		180	J		2000			1400			850	
Phenanthrene		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
Butyl benzyl phthalate		<	3400	U	<	340	U	<	360	U	<	350	U		86	J		92	J	<	350	U
N-Nitrosodiphenylamine		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
Fluorene		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
Carbazole		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
Hexachlorobutadiene		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
Pentachlorophenol			4600	JY		650	JY		760	J	<	850	UY	<	840	UY	<	840	UY	<	840	UY
2,4,6-Trichlorophenol		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
2-Nitroaniline		<	8300	U	<	820	U	<	880	U	<	850	U	<	840	U	<	840	U	<	840	U
2-Nitrophenol		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
Naphthalene		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
2-Methylnaphthalene		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
2-Chloronaphthalene		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
3,3'-Dichlorobenzidine		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
2-Methylphenol		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
1,2-Dichlorobenzene		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
2-Chlorophenol		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
2,4,5-Trichlorophenol		<	8300	U	<	820	U	<	880	U	<	850	U	<	840	U	<	840	U	<	840	U
Nitrobenzene		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
3-Nitroaniline		<	8300	U	<	820	U	<	880	U	<	850	U	<	840	U	<	840	U	<	840	U
4-Nitroaniline		<	8300	U	<	820	U	<	880	U	<	850	U	<	840	U	<	840	U	<	840	U
4-Nitrophenol		<	8300	U	<	820	U	<	880	U	<	850	U	<	840	U	<	840	U	<	840	U
4-Bromophenyl phenyl ether		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
2,4-Dimethylphenol		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
4-Methylphenol		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U
1,4-Dichlorobenzene		<	3400	U	<	340	U	<	360	U	<	350	U	<	340	U	<	350	U	<	350	U

TABLE 5

CONCENTRATIONS OF PAHs IN SOIL SAMPLES FROM SOUTHERN LOBE - 1995 DATA

Target Compound (units in ug/kg)		B-01			B-01			B-01			B-01			B-02			B-02			B-02			B-02			B-02			B-02	
		B-1-27			B-1-29			B-1-33			B-1-31			B-2-0			B-2-5			B-2-10			B-2-10D			B-2-15			B-2-20	
		08/30/95			08/30/95			08/30/95			08/31/95			08/30/95			08/30/95			08/30/95			08/30/95			08/30/95			08/30/95	
		27			29			33			31			0			5			10			10			15			20	
		B-1-10			B-1-10			B-1-10			B-4-34			B-1-10			B-1-10			B-1-10			B-1-10			B-1-10			B-4-34	
Benzo(a)pyrene	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
2,4-Dinitrophenol	<	850	U	<	850	U	<	830	U	<	840	U	<	820	U	<	880	U	<	850	U	<	850	U	<	850	U	<	890	U
Dibenz(a,h)anthracene	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
Benzo(a)anthracene	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
4-Chloro-3-methylphenol	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
Hexachloroethane	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
Hexachlorocyclopentadiene	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
Isophorone	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
Acenaphthene	<	350	UX	<	350	UX	<	340	UX	<	340	U	<	340	UX	<	360	UX	<	350	UX	<	350	UX	<	350	UX	<	370	U
Diethyl phthalate	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
Di-n-butyl phthalate		160	J		560			140	J		45	J		1700			1500			170	J		1300			360			31	J
Phenanthrene	<	350	U	<	350	U	<	340	U	<	340	U		74	J	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
Butyl benzyl phthalate	<	350	U	<	350	U	<	340	U	<	340	U		220	J	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
N-Nitrosodiphenylamine	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
Fluorene	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
Carbazole	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
Hexachlorobutadiene	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
Pentachlorophenol	<	850	U	<	850	U	<	830	U	<	840	U	<	820	UY	<	880	UY	<	850	UY	<	850	UY	<	850	UY	<	890	U
2,4,6-Trichlorophenol	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
2-Nitroaniline	<	850	U	<	850	U	<	830	U	<	840	U	<	820	U	<	880	U	<	850	U	<	850	U	<	850	U	<	890	U
2-Nitrophenol	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
Naphthalene	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
2-Methylnaphthalene	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
2-Chloronaphthalene	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
3,3'-Dichlorobenzidine	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
2-Methylphenol	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
1,2-Dichlorobenzene	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
2-Chlorophenol	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
2,4,5-Trichlorophenol	<	850	U	<	850	U	<	830	U	<	840	U	<	820	U	<	880	U	<	850	U	<	850	U	<	850	U	<	890	U
Nitrobenzene	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	UY
3-Nitroaniline	<	850	U	<	850	U	<	830	U	<	840	U	<	820	U	<	880	U	<	850	U	<	850	U	<	850	U	<	890	U
4-Nitroaniline	<	850	U	<	850	U	<	830	U	<	840	U	<	820	U	<	880	U	<	850	U	<	850	U	<	850	U	<	890	U
4-Nitrophenol	<	850	U	<	850	U	<	830	U	<	840	U	<	820	U	<	880	U	<	850	U	<	850	U	<	850	U	<	890	U
4-Bromophenyl phenyl ether	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
2,4-Dimethylphenol	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
4-Methylphenol	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U
1,4-Dichlorobenzene	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	360	U	<	350	U	<	350	U	<	350	U	<	370	U

TABLE 5

CONCENTRATIONS OF PAHs IN SOIL SAMPLES FROM SOUTHERN LOBE - 1995 DATA

Target Compound (units in ug/kg)		B-02			B-03			B-03			B-03			B-03			B-03			B-03			B-03			B-03			B-03	
		B-2-25			B-3-2			B-3-7			B-3-7D			B-3-9			B-3-11			B-3-13			B-3-15			B-3-17			B-3-19	
		08/30/95			08/31/95			08/31/95			08/31/95			08/31/95			08/31/95			08/31/95			08/31/95			08/31/95			08/31/95	
		25			2			7			7			9			11			13			15			17			19	
		B-1-10			B-4-34			B-4-34			B-4-34			B-4-34			B-4-34			B-4-34			B-4-34			B-4-34			B-4-34	
Benzo(a)pyrene	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
2,4-Dinitrophenol	<	850	U	<	840	U	<	830	U	<	820	U	<	830	U	<	840	U	<	830	U	<	930	U	<	820	U	<	840	U
Dibenz(a,h)anthracene	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
Benzo(a)anthracene	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
4-Chloro-3-methylphenol	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
Hexachloroethane	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
Hexachlorocyclopentadiene	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
Isophorone	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
Acenaphthene	<	350	UX	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
Diethyl phthalate	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
Di-n-butyl phthalate		1400			52	J	<	340	U	<	340	U		20	J		71	J		34	J	<	43	J	<	340	U		39	J
Phenanthrene	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
Butyl benzyl phthalate	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
N-Nitrosodiphenylamine	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
Fluorene	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
Carbazole	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
Hexachlorobutadiene	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
Pentachlorophenol	<	850	UY	<	840	U	<	830	U	<	820	U	<	830	U	<	840	U	<	830	U	<	930	U	<	820	U	<	840	U
2,4,6-Trichlorophenol	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
2-Nitroaniline	<	850	U	<	840	U	<	830	U	<	820	U	<	830	U	<	840	U	<	830	U	<	930	U	<	820	U	<	840	U
2-Nitrophenol	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
Naphthalene	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
2-Methylnaphthalene	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
2-Chloronaphthalene	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
3,3'-Dichlorobenzidine	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
2-Methylphenol	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
1,2-Dichlorobenzene	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
2-Chlorophenol	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
2,4,5-Trichlorophenol	<	850	U	<	840	U	<	830	U	<	820	U	<	830	U	<	840	U	<	830	U	<	930	U	<	820	U	<	840	U
Nitrobenzene	<	350	U	<	340	U	<	340	U	<	340	U	<	340	UY	<	340	UY	<	340	UY	<	380	UY	<	340	UY	<	340	UY
3-Nitroaniline	<	850	U	<	840	U	<	830	U	<	820	U	<	830	U	<	840	U	<	830	U	<	930	U	<	820	U	<	840	U
4-Nitroaniline	<	850	U	<	840	U	<	830	U	<	820	U	<	830	U	<	840	U	<	830	U	<	930	U	<	820	U	<	840	U
4-Nitrophenol	<	850	U	<	840	U	<	830	U	<	820	U	<	830	U	<	840	U	<	830	U	<	930	U	<	820	U	<	840	U
4-Bromophenyl phenyl ether	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
2,4-Dimethylphenol	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
4-Methylphenol	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U
1,4-Dichlorobenzene	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	340	U	<	380	U	<	340	U	<	340	U

TABLE 5

CONCENTRATIONS OF PAHs IN SOIL SAMPLES FROM SOUTHERN LOBE - 1995 DATA

Target Compound (units in ug/kg)		B-04			B-04			B-04			B-04			B-04			B-04			B-04			B-04			B-04			B-04	
		B-4-5			B-4-5DL			B-4-10			B-4-10RE			B-4-15			B-4-20			B-4-25			B-4-25D			B-4-28			B-4-30	
		08/31/95			08/31/95			08/31/95			08/31/95			08/31/95			08/31/95			08/31/95			08/31/95			08/31/95			08/31/95	
		5			5			10			10			15			20			25			25			28			30	
		B-1-0			B-1-0			B-1-0			B-1-0			B-1-0			B-1-0			B-1-0			B-1-0			B-1-0			B-1-0	
Benzo(a)pyrene	<	340	U	<	680	UZ	<	340	U	<	340	UHZ	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
2,4-Dinitrophenol	<	820	U	<	1600	U	<	830	U	<	830	UH	<	830	U	<	830	U	<	830	U	<	840	U	<	840	U	<	820	U
Dibenz(a,h)anthracene	<	340	U	<	680	UZ	<	340	U	<	340	UHZ	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
Benzo(a)anthracene	<	340	U	<	680	U	<	340	U	<	340	UHZ	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
4-Chloro-3-methylphenol	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
Hexachloroethane	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
Hexachlorocyclopentadiene	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
Isophorone	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
Acenaphthene	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
Diethyl phthalate	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
Di-n-butyl phthalate		130	J	<	680	U		57	JH		2100	H		150	J		1100			230	J		130	J		1500			900	
Phenanthrene		160	J		140	JD		85	JH		130	JH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
Butyl benzyl phthalate	<	340	U	<	680	U	<	340	U	<	340	UHZ	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
N-Nitrosodiphenylamine	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
Fluorene	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
Carbazole	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
Hexachlorobutadiene	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
Pentachlorophenol		3500	E		2000	D		1400	H		2300	H		260	J	<	830	U	<	830	U	<	840	U	<	840	U	<	820	U
2,4,6-Trichlorophenol	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
2-Nitroaniline	<	820	U	<	1600	U	<	830	U	<	830	UH	<	830	U	<	830	U	<	830	U	<	840	U	<	840	U	<	820	U
2-Nitrophenol	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
Naphthalene	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
2-Methylnaphthalene	<	340	U	<	680	U		270	JH	<	340	UH		20	J	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
2-Chloronaphthalene	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
3,3'-Dichlorobenzidine	<	340	U	<	680	U	<	340	U	<	340	UHZ	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
2-Methylphenol	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
1,2-Dichlorobenzene	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
2-Chlorophenol	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
2,4,5-Trichlorophenol	<	820	U	<	1600	U	<	830	U	<	830	UH	<	830	U	<	830	U	<	830	U	<	840	U	<	840	U	<	820	U
Nitrobenzene	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
3-Nitroaniline	<	820	U	<	1600	U	<	830	U	<	830	UH	<	830	U	<	830	U	<	830	U	<	840	U	<	840	U	<	820	U
4-Nitroaniline	<	820	U	<	1600	U	<	830	U	<	830	UH	<	830	U	<	830	U	<	830	U	<	840	U	<	840	U	<	820	U
4-Nitrophenol	<	820	U	<	1600	U	<	830	U	<	830	UH	<	830	U	<	830	U	<	830	U	<	840	U	<	840	U	<	820	U
4-Bromophenyl phenyl ether	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
2,4-Dimethylphenol	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
4-Methylphenol	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U
1,4-Dichlorobenzene	<	340	U	<	680	U	<	340	U	<	340	UH	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	340	U

TABLE 5

CONCENTRATIONS OF PAHs IN SOIL SAMPLES FROM SOUTHERN LOBE - 1995 DATA

Target Compound (units in ug/kg)		B-04			B-04			B-04			B-04			B-05			B-05			B-05			B-05			B-05			B-05	
		B-4-32			B-4-32RE			B-4-34			B-4-36			B-5-2			B-5-7			B-5-12			B-5-16			B-5-18			B-5-20	
		08/31/95			08/31/95			08/31/95			08/31/95			08/31/95			08/31/95			08/31/95			08/31/95			08/31/95			08/31/95	
		32			32			34			36			2			7			12			16			18			20		
		B-1-0			B-4-34			B-4-34			B-1-0			B-1-10			B-1-0			B-1-10			B-1-10			B-1-10			B-1-10		
Benzo(a)pyrene	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
2,4-Dinitrophenol	<	820	U	<	1600	UH	<	840	U	<	820	U	<	830	U	<	830	U	<	820	U	<	860	U	<	900	U	<	840	U	
Dibenz(a,h)anthracene	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
Benzo(a)anthracene	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
4-Chloro-3-methylphenol	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
Hexachloroethane	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
Hexachlorocyclopentadiene	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
Isophorone	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
Acenaphthene	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	UX	<	340	U	<	340	UX	<	350	UX	<	370	UX	<	350	UX	
Diethyl phthalate	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
Di-n-butyl phthalate		120	J		3000	H	<	350	U		130	J		370			1500			140	J		75	J		570			250	J	
Phenanthrene	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
Butyl benzyl phthalate	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
N-Nitrosodiphenylamine	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
Fluorene	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
Carbazole	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
Hexachlorobutadiene	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
Pentachlorophenol	<	820	U	<	1600	UH	<	840	U	<	820	U	<	830	U	<	830	UY	<	820	U	<	860	U	<	900	U	<	840	U	
2,4,6-Trichlorophenol	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
2-Nitroaniline	<	820	U	<	1600	UH	<	840	U	<	820	U	<	830	U	<	830	U	<	820	U	<	860	U	<	900	U	<	840	U	
2-Nitrophenol	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
Naphthalene	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
2-Methylnaphthalene	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
2-Chloronaphthalene	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
3,3'-Dichlorobenzidine	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
2-Methylphenol	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
1,2-Dichlorobenzene	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
2-Chlorophenol	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
2,4,5-Trichlorophenol	<	820	U	<	1600	UH	<	840	U	<	820	U	<	830	U	<	830	U	<	820	U	<	860	U	<	900	U	<	840	U	
Nitrobenzene	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
3-Nitroaniline	<	820	U	<	1600	UH	<	840	U	<	820	U	<	830	U	<	830	U	<	820	U	<	860	U	<	900	U	<	840	U	
4-Nitroaniline	<	820	U	<	1600	UH	<	840	U	<	820	U	<	830	U	<	830	U	<	820	U	<	860	U	<	900	U	<	840	U	
4-Nitrophenol	<	820	U	<	1600	UH	<	840	U	<	820	U	<	830	U	<	830	U	<	820	U	<	860	U	<	900	U	<	840	U	
4-Bromophenyl phenyl ether	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
2,4-Dimethylphenol	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
4-Methylphenol	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	
1,4-Dichlorobenzene	<	340	U	<	680	UH	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U	<	350	U	<	370	U	<	350	U	

TABLE 5

CONCENTRATIONS OF PAHs IN SOIL SAMPLES FROM SOUTHERN LOBE - 1995 DATA

Target Compound (units in ug/kg)		B-05 B-5-20D 08/31/95 20 B-1-10			B-05 B-5-22 08/31/95 22 B-1-10			B-07 B-7-0 08/31/95 0 B-1-0			B-07 B-7-5 08/31/95 5 B-1-0			B-07 B-7-10 08/31/95 10 B-1-0			B-07 B-7-10D 08/31/95 10 B-1-0			B-07 B-7-14 08/31/95 14 B-1-0			B-07 B-7-15 08/31/95 15 B-1-0	
Benzo(a)pyrene	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
2,4-Dinitrophenol	<	840	U	<	820	U	<	850	U	<	840	U	<	820	U	<	820	U	<	820	U	<	820	U
Dibenz(a,h)anthracene	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
Benzo(a)anthracene	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
4-Chloro-3-methylphenol	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
Hexachloroethane	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
Hexachlorocyclopentadiene	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
Isophorone	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
Acenaphthene	<	350	UX	<	340	UX	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
Diethyl phthalate	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
Di-n-butyl phthalate		290	J		320	J		1400			2200			2300			1900			2300			1200	
Phenanthrene	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
Butyl benzyl phthalate	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
N-Nitrosodiphenylamine	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
Fluorene	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
Carbazole	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
Hexachlorobutadiene	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
Pentachlorophenol	<	840	U	<	820	U	<	850	U	<	840	UY	<	820	UY	<	820	UY	<	820	UY	<	820	UY
2,4,6-Trichlorophenol	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
2-Nitroaniline	<	840	U	<	820	U	<	850	U	<	840	U	<	820	U	<	820	U	<	820	U	<	820	U
2-Nitrophenol	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
Naphthalene	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
2-Methylnaphthalene	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
2-Chloronaphthalene	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
3,3'-Dichlorobenzidine	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
2-Methylphenol	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
1,2-Dichlorobenzene	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
2-Chlorophenol	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
2,4,5-Trichlorophenol	<	840	U	<	820	U	<	850	U	<	840	U	<	820	U	<	820	U	<	820	U	<	820	U
Nitrobenzene	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
3-Nitroaniline	<	840	U	<	820	U	<	850	U	<	840	U	<	820	U	<	820	U	<	820	U	<	820	U
4-Nitroaniline	<	840	U	<	820	U	<	850	U	<	840	U	<	820	U	<	820	U	<	820	U	<	820	U
4-Nitrophenol	<	840	U	<	820	U	<	850	U	<	840	U	<	820	U	<	820	U	<	820	U	<	820	U
4-Bromophenyl phenyl ether	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
2,4-Dimethylphenol	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
4-Methylphenol	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U
1,4-Dichlorobenzene	<	350	U	<	340	U	<	350	U	<	350	U	<	340	U	<	340	U	<	340	U	<	340	U

NOTES:
D = Compound identified in an analysis at a secondary dilution factor.
E = Concentration exceeds calibration range of GCMS instrument.
H = Result is estimated because the holding time was exceeded.
J - Concentration is between the limit of detection and the limit of quantitation.
X = Additional flags defined separately.
Y = ??
Z = Result is estimated because the internal standard area was below the quality control limit.

Gannett Fleming

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 6

CONCENTRATIONS OF PAHs IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

	Site:	B-08		B-08		B-08		B-08		B-08		B-08		B-08		B-08		B-09		B-09	
	Sample ID:	8.5-1		86.5-7		811-12		820.5-21		830.5-31		840.5-41		850.5-51		860-60.5		91-1.5		95.5-6	
Target Compound	Date Collected:	09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96	
(units in ug/kg)	Average Depth (ft):	0.75		6.75		11.5		20.75		30.75		40.75		50.75		60.25		1.25		5.75	
	Sample Delivery Group:	B8		B8		B8		820.5-21		820.5-21		820.5-21		820.5-21		820.5-21		B8		B8	
Benzo(a)pyrene		430	J	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
2,4-Dinitrophenol		8700	U	8300	U	840	U	840	UH	830	UH	820	UH	820	UH	880	UH	17000	U	17000	U
Dibenz(a,h)anthracene		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Benzo(a)anthracene		480	J	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
4-Chloro-3-methylphenol		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Hexachloroethane		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Hexachlorocyclopentadiene		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Isophorone		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Acenaphthene		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Diethyl phthalate		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Di-n-butyl phthalate		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Phenanthrene		880	J	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Butyl benzyl phthalate		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
N-Nitrosodiphenylamine		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Fluorene		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Carbazole		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Hexachlorobutadiene		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Pentachlorophenol		8700	U	8300	U	840	U	840	UH	830	UH	820	UH	820	UH	880	UH	17000	U	17000	U
2,4,6-Trichlorophenol		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
2-Nitroaniline		8700	U	8300	U	840	U	840	UH	830	UH	820	UH	820	UH	880	UH	17000	U	17000	U
2-Nitrophenol		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Naphthalene		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
2-Methylnaphthalene		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
2-Chloronaphthalene		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
3,3'-Dichlorobenzidine		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
2-Methylphenol		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
1,2-Dichlorobenzene		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
2-Chlorophenol		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
2,4,5-Trichlorophenol		8700	U	8300	U	840	U	840	UH	830	UH	820	UH	820	UH	880	UH	17000	U	17000	U
Nitrobenzene		3600	U	3400	U	350	U	350	UH	340	UHY	340	UHY	340	UHY	360	UHY	7100	U	7000	U
3-Nitroaniline		8700	U	8300	U	840	U	840	UH	830	UH	820	UH	820	UH	880	UH	17000	U	17000	U
4-Nitroaniline		8700	U	8300	U	840	U	840	UH	830	UH	820	UH	820	UH	880	UH	17000	U	17000	U
4-Nitrophenol		8700	U	8300	U	840	U	840	UH	830	UH	820	UH	820	UH	880	UH	17000	U	17000	U
4-Bromophenyl phenyl ether		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
2,4-Dimethylphenol		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
4-Methylphenol		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
1,4-Dichlorobenzene		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
4-Chloroaniline		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Phenol		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	42	JH	7100	U	7000	U
bis(2-Chloroethyl) ether		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Bis(2-chloroethoxy)methane		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
bis(2-Ethylhexyl) phthalate		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	41	JBH	210	JBH	7100	U	7000	U
Di-n-octyl phthalate		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	120	JH	7100	U	7000	U
Hexachlorobenzene		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Anthracene		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
1,2,4-Trichlorobenzene		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U

TABLE 6

CONCENTRATIONS OF PAHs IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

	Site:	B-08		B-08		B-08		B-08		B-08		B-08		B-08		B-09		B-09	
	Sample ID:	8.5-1		86.5-7		811-12		820.5-21		830.5-31		840.5-41		850.5-51		860-60.5		91-1.5		95.5-6	
Target Compound	Date Collected:	09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96	
(units in ug/kg)	Average Depth (ft):	0.75		6.75		11.5		20.75		30.75		40.75		50.75		60.25		1.25		5.75	
	Sample Delivery Group:	B8		B8		B8		820.5-21		820.5-21		820.5-21		820.5-21		820.5-21		B8		B8	
2,4-Dichlorophenol		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
2,4-Dinitrotoluene		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Pyrene		1200	J	520	J	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	590	JU	450	JU
Dimethyl phthalate		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Dibenzofuran		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Benzo(ghi)perylene		370	J	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Indeno(1,2,3-cd)pyrene		250	J	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Benzo(b)fluoranthene		530	J	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Fluoranthene		760	J	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Benzo(k)fluoranthene		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Acenaphthylene		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
Chrysene		860	J	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
4,6-Dinitro-2-methylphenol		8700	U	8300	U	840	U	840	UH	830	UH	820	UH	820	UH	880	UH	17000	U	17000	U
1,3-Dichlorobenzene		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
2,6-Dinitrotoluene		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
N-Nitrosodi-n-propylamine		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U
4-Chlorophenyl phenyl ether		3600	U	3400	U	350	U	350	UH	340	UH	340	UH	340	UH	360	UH	7100	U	7000	U

TABLE 6

CONCENTRATIONS OF PAHs IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

	B-09		B-09		B-09		B-09		B-09		B-10		B-10		B-10		B-10		B-10		B-11		B-11	
	910.5-12		921-21.5		931-31.5		940.5-41		950.5-51		101-1.5		105.5-6		1010-11.5		1021-21.5		1031-31.5		1041-41.5		111-1.5		118-9	
Target Compound	09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96	
(units in ug/kg)	11.25		21.25		31.25		40.75		50.75		1.25		5.75		10.75		21.25		31.25		41.25		1.25		8.5	
	B19A		820.5-21		820.5-21		820.5-21		820.5-21		B8		B8		B8		820.5-21		820.5-21		820.5-21		B19A		B19A	
Benzo(a)pyrene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
2,4-Dinitrophenol	830	U	830	UH	830	UH	820	UH	830	UH	4100	U	4100	U	840	U	830	UH	840	UH	830	UH	8400	U	840	U
Dibenz(a,h)anthracene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Benzo(a)anthracene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
4-Chloro-3-methylphenol	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Hexachloroethane	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Hexachlorocyclopentadiene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Isophorone	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Acenaphthene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Diethyl phthalate	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Di-n-butyl phthalate	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Phenanthrene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Butyl benzyl phthalate	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
N-Nitrosodiphenylamine	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Fluorene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Carbazole	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Hexachlorobutadiene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Pentachlorophenol	830	U	830	UH	830	UH	820	UH	830	UH	4100	U	4100	U	840	U	830	UH	840	UH	830	UH	8400	U	840	U
2,4,6-Trichlorophenol	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
2-Nitroaniline	830	U	830	UH	830	UH	820	UH	830	UH	4100	U	4100	U	840	U	830	UH	840	UH	830	UH	8400	U	840	U
2-Nitrophenol	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Naphthalene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
2-Methylnaphthalene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
2-Chloronaphthalene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
3,3'-Dichlorobenzidine	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
2-Methylphenol	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
1,2-Dichlorobenzene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
2-Chlorophenol	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
2,4,5-Trichlorophenol	830	U	830	UH	830	UH	820	UH	830	UH	4100	U	4100	U	840	U	830	UH	840	UH	830	UH	8400	U	840	U
Nitrobenzene	340	U	340	UHY	340	UHY	340	UHY	340	UHY	1700	U	1700	U	340	U	340	UHY	340	UHY	340	UHY	3400	U	340	U
3-Nitroaniline	830	U	830	UH	830	UH	820	UH	830	UH	4100	U	4100	U	840	U	830	UH	840	UH	830	UH	8400	U	840	U
4-Nitroaniline	830	U	830	UH	830	UH	820	UH	830	UH	4100	U	4100	U	840	U	830	UH	840	UH	830	UH	8400	U	840	U
4-Nitrophenol	830	U	830	UH	830	UH	820	UH	830	UH	4100	U	4100	U	840	U	830	UH	840	UH	830	UH	8400	U	840	U
4-Bromophenyl phenyl ether	340	U	340	UH	340	U	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
2,4-Dimethylphenol	340	U	340	UH	340	U	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
4-Methylphenol	340	U	340	UH	340	U	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
1,4-Dichlorobenzene	340	U	340	UH	340	U	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
4-Chloroaniline	340	U	340	UH	340	U	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Phenol	340	U	36	JH	38	JH	340	UH	41	JH	1700	U	1700	U	340	U	340	UH	39	JH	340	UH	3400	U	340	U
bis(2-Chloroethyl) ether	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Bis(2-chloroethoxy)methane	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
bis(2-Ethylhexyl) phthalate	58	JB	340	UH	340	UH	340	UH	340	UH	280	J	190	J	210	J	340	UH	340	UH	340	UH	3400	U	340	U
Di-n-octyl phthalate	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	180	J	340	UH	340	UH	340	UH	3400	U	340	U
Hexachlorobenzene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Anthracene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
1,2,4-Trichlorobenzene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U

TABLE 6

CONCENTRATIONS OF PAHs IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

	B-09		B-09		B-09		B-09		B-09		B-10		B-10		B-10		B-10		B-10		B-11		B-11	
	910.5-12		921-21.5		931-31.5		940.5-41		950.5-51		101-1.5		105.5-6		1010-11.5		1021-21.5		1031-31.5		1041-41.5		111-1.5		118-9	
Target Compound	09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96	
(units in ug/kg)	11.25		21.25		31.25		40.75		50.75		1.25		5.75		10.75		21.25		31.25		41.25		1.25		8.5	
	B19A		820.5-21		820.5-21		820.5-21		820.5-21		B8		B8		B8		820.5-21		820.5-21		820.5-21		B19A		B19A	
2,4-Dichlorophenol	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
2,4-Dinitrotoluene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Pyrene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	210	J	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Dimethyl phthalate	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Dibenzofuran	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Benzo(ghi)perylene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Indeno(1,2,3-cd)pyrene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Benzo(b)fluoranthene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Fluoranthene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Benzo(k)fluoranthene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Acenaphthylene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
Chrysene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
4,6-Dinitro-2-methylphenol	830	U	830	UH	830	UH	820	UH	830	UH	4100	U	4100	U	840	U	830	UH	840	UH	830	UH	8400	U	840	U
1,3-Dichlorobenzene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
2,6-Dinitrotoluene	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U
N-Nitrosodi-n-propylamine	340	UY	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	UY	340	U
4-Chlorophenyl phenyl ether	340	U	340	UH	340	UH	340	UH	340	UH	1700	U	1700	U	340	U	340	UH	340	UH	340	UH	3400	U	340	U

TABLE 6

CONCENTRATIONS OF PAHs IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

	B-11		B-12A		B-12A		B-12A		B-12A		B-12A		B-13		B-13		B-13		B-13		B-13		B-13		B-14		B-14	
	1111-11.5		12A1-1.5		12A6-6.5		12A11-11.5		12A21-21.5		12A30.5-32.5		131-1.5		136-6.5		1310.5-11		1320-21.5		1330.5-31		1340.5-41		141-1.5		145.5-6	
Target Compound	09/19/96		09/19/96		09/19/96		09/19/96		09/23/96		09/23/96		09/24/96		09/24/96		09/24/96		09/23/96		09/23/96		09/23/96		09/19/96		09/19/96	
(units in ug/kg)	11.25		1.25		6.25		11.25		21.25		31.25		1.25		6.25		10.75		20.75		30.75		40.75		1.25		5.75	
	B19A		B14		B14		B14		12A21		12A21		B13		B13		B13		12A21		12A21		12A21		B14		B14	
Benzo(a)pyrene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
2,4-Dinitrophenol	840	U	17000	U	830	U	830	U	830	UH	820	UH	16000	U	1600	U	830	U	830	UH	940	UH	830	UH	16000	U	3400	U
Dibenz(a,h)anthracene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Benzo(a)anthracene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	40	J	340	UH	380	UH	340	UH	6800	U	1400	U
4-Chloro-3-methylphenol	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Hexachloroethane	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Hexachlorocyclopentadiene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Isophorone	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Acenaphthene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Diethyl phthalate	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Di-n-butyl phthalate	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Phenanthrene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Butyl benzyl phthalate	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
N-Nitrosodiphenylamine	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Fluorene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Carbazole	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Hexachlorobutadiene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Pentachlorophenol	840	U	17000	U	830	U	830	U	830	UH	820	UH	16000	U	1600	U	830	U	830	UH	940	UH	830	UH	16000	U	3400	U
2,4,6-Trichlorophenol	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
2-Nitroaniline	840	U	17000	U	830	U	830	U	830	UH	820	UH	16000	U	1600	U	830	U	830	UH	940	UH	830	UH	16000	U	3400	U
2-Nitrophenol	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Naphthalene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
2-Methylnaphthalene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
2-Chloronaphthalene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	UY	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
3,3'-Dichlorobenzidine	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
2-Methylphenol	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
1,2-Dichlorobenzene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
2-Chlorophenol	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
2,4,5-Trichlorophenol	840	U	17000	U	830	U	830	U	830	UH	820	UH	16000	U	1600	U	830	U	830	UH	940	UH	830	UH	16000	U	3400	U
Nitrobenzene	350	U	6900	U	340	U	340	U	340	UHY	340	UHY	6800	U	680	U	340	U	340	UHY	380	UHY	340	UHY	6800	U	1400	U
3-Nitroaniline	840	U	17000	U	830	U	830	U	830	UH	820	UH	16000	U	1600	U	830	U	830	UH	940	UH	830	UH	16000	U	3400	U
4-Nitroaniline	840	U	17000	U	830	U	830	U	830	UH	820	UH	16000	U	1600	U	830	U	830	UH	940	UH	830	UH	16000	U	3400	U
4-Nitrophenol	840	U	17000	U	830	U	830	U	830	UH	820	UH	16000	U	1600	U	830	U	830	UH	940	UH	830	UH	16000	U	3400	U
4-Bromophenyl phenyl ether	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
2,4-Dimethylphenol	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
4-Methylphenol	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
1,4-Dichlorobenzene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
4-Chloroaniline	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Phenol	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	46	BJH	42	BJH	40	BJH	6800	U	1400	U
bis(2-Chloroethyl) ether	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Bis(2-chloroethoxy)methane	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
bis(2-Ethylhexyl) phthalate	350	U	6300	J	35	J	340	U	340	UH	340	UH	6800	U	160	J	54	J	130	JH	380	UH	340	UH	6800	U	1400	U
Di-n-octyl phthalate	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	130	J	63	J	340	UH	380	UH	340	UH	6800	U	1400	U
Hexachlorobenzene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Anthracene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
1,2,4-Trichlorobenzene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U

TABLE 6

CONCENTRATIONS OF PAHs IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

	B-11		B-12A		B-12A		B-12A		B-12A		B-12A		B-13		B-13		B-13		B-13		B-13		B-13		B-14		B-14	
	1111-11.5		12A1-1.5		12A6-6.5		12A11-11.5		12A21-21.5		12A30.5-32.5		131-1.5		136-6.5		1310.5-11		1320-21.5		1330.5-31		1340.5-41		141-1.5		145.5-6	
Target Compound	09/19/96		09/19/96		09/19/96		09/19/96		09/23/96		09/23/96		09/24/96		09/24/96		09/24/96		09/23/96		09/23/96		09/23/96		09/19/96		09/19/96	
(units in ug/kg)	11.25		1.25		6.25		11.25		21.25		31.25		1.25		6.25		10.75		20.75		30.75		40.75		1.25		5.75	
	B19A		B14		B14		B14		12A21		12A21		B13		B13		B13		12A21		12A21		12A21		B14		B14	
2,4-Dichlorophenol	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
2,4-Dinitrotoluene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Pyrene	350	U	1500	J	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Dimethyl phthalate	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Dibenzofuran	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Benzo(ghi)perylene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Indeno(1,2,3-cd)pyrene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Benzo(b)fluoranthene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	38	J	340	UH	380	UH	340	UH	6800	U	1400	U
Fluoranthene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Benzo(k)fluoranthene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	43	J	340	UH	380	UH	340	UH	6800	U	1400	U
Acenaphthylene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
Chrysene	350	U	1100	JB	340	U	340	U	340	UH	340	UH	6800	U	680	U	40	J	340	UH	380	UH	340	UH	6800	U	1400	U
4,6-Dinitro-2-methylphenol	840	U	17000	U	830	U	830	U	830	UH	820	UH	16000	U	1600	U	830	U	830	UH	940	UH	830	UH	16000	U	3400	U
1,3-Dichlorobenzene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
2,6-Dinitrotoluene	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
N-Nitrosodi-n-propylamine	350	UY	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U
4-Chlorophenyl phenyl ether	350	U	6900	U	340	U	340	U	340	UH	340	UH	6800	U	680	U	340	U	340	UH	380	UH	340	UH	6800	U	1400	U

TABLE 6

CONCENTRATIONS OF PAHs IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

	B-14		B-15A		B-15A		B-15A		B-16		B-16		B-16		B-16		B-16		B-17		B-17		B-17		B-17	
	1413.5-14		15A1-1.5		15A6-6.5		15A10.5-11		161-1.5		167.5-8.5		1611-11.5		1620-20.5		1630.5-31.5		1641-41.5		17.5-1		176-6.5		1710.5-11		1720.5-21	
Target Compound	09/19/96		09/19/96		09/19/96		09/19/96		09/24/96		09/24/96		09/24/96		09/23/96		09/23/96		09/23/96		09/24/96		09/24/96		09/24/96		09/23/96	
(units in ug/kg)	13.75		1.25		6.25		10.75		1.25		8		11.25		20.25		31		41.25		0.75		6.25		10.75		20.75	
	B14		B14		B14		B14		B16		B16		B16		12A21		12A21		12A21		B13		B13		B13		12A21	
Benzo(a)pyrene	340	U	6800	U	1400	U	340	U	7000	U	420	J	170	J	340	UH	340	UH	340	UH	37	J	340	U	340	U	350	UH
2,4-Dinitrophenol	830	U	16000	U	3400	U	830	U	17000	U	8300	U	3300	U	840	UH	840	UH	830	UH	860	U	820	U	830	U	850	UH
Dibenz(a,h)anthracene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Benzo(a)anthracene	340	U	6800	U	1400	U	340	U	7000	U	590	J	1400	U	340	UH	340	UH	340	UH	70	J	340	U	340	U	350	UH
4-Chloro-3-methylphenol	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Hexachloroethane	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Hexachlorocyclopentadiene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Isophorone	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Acenaphthene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Diethyl phthalate	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Di-n-butyl phthalate	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Phenanthrene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Butyl benzyl phthalate	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
N-Nitrosodiphenylamine	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Fluorene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Carbazole	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Hexachlorobutadiene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Pentachlorophenol	830	U	16000	U	3400	U	830	U	17000	U	8300	U	3300	U	840	UH	840	UH	830	UH	860	U	820	U	830	U	850	UH
2,4,6-Trichlorophenol	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
2-Nitroaniline	830	U	16000	U	3400	U	830	U	17000	U	8300	U	3300	U	840	UH	840	UH	830	UH	860	U	820	U	830	U	850	UH
2-Nitrophenol	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Naphthalene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
2-Methylnaphthalene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
2-Chloronaphthalene	340	U	6800	U	1400	U	340	U	7000	U	3400	UY	1400	UY	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
3,3'-Dichlorobenzidine	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
2-Methylphenol	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
1,2-Dichlorobenzene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
2-Chlorophenol	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
2,4,5-Trichlorophenol	830	U	16000	U	3400	U	830	U	17000	U	8300	U	3300	U	840	UH	840	UH	830	UH	860	U	820	U	830	U	850	UH
Nitrobenzene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UHY	340	UHY	340	UHY	360	U	340	U	340	U	350	UHY
3-Nitroaniline	830	U	16000	U	3400	U	830	U	17000	U	8300	U	3300	U	840	UH	840	UH	830	UH	860	U	820	U	830	U	850	UH
4-Nitroaniline	830	U	16000	U	3400	U	830	U	17000	U	8300	U	3300	U	840	UH	840	UH	830	UH	860	U	820	U	830	U	850	UH
4-Nitrophenol	830	U	16000	U	3400	U	830	U	17000	U	8300	U	3300	U	840	UH	840	UH	830	UH	860	U	820	U	830	U	850	UH
4-Bromophenyl phenyl ether	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
2,4-Dimethylphenol	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
4-Methylphenol	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
1,4-Dichlorobenzene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
4-Chloroaniline	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Phenol	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	76	BJH	340	UH	340	UH	360	U	340	U	340	U	350	UH
bis(2-Chloroethyl) ether	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Bis(2-chloroethoxy)methane	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
bis(2-Ethylhexyl) phthalate	340	U	6800	U	1400	U	340	U	7000	U	1000	J	380	J	240	JH	340	UH	340	UH	71	J	35	J	340	U	350	UH
Di-n-octyl phthalate	340	U	6800	U	1400	U	340	U	7000	U	580	J	1400	U	340	UH	340	UH	340	UH	71	J	36	J	340	U	350	UH
Hexachlorobenzene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Anthracene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
1,2,4-Trichlorobenzene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH

TABLE 6

CONCENTRATIONS OF PAHs IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

	B-14		B-15A		B-15A		B-15A		B-16		B-16		B-16		B-16		B-16		B-17		B-17		B-17		B-17	
	1413.5-14		15A1-1.5		15A6-6.5		15A10.5-11		161-1.5		167.5-8.5		1611-11.5		1620-20.5		1630.5-31.5		1641-41.5		17.5-1		176-6.5		1710.5-11		1720.5-21	
Target Compound	09/19/96		09/19/96		09/19/96		09/19/96		09/24/96		09/24/96		09/24/96		09/23/96		09/23/96		09/23/96		09/24/96		09/24/96		09/24/96		09/23/96	
(units in ug/kg)	13.75		1.25		6.25		10.75		1.25		8		11.25		20.25		31		41.25		0.75		6.25		10.75		20.75	
	B14		B14		B14		B14		B16		B16		B16		12A21		12A21		12A21		B13		B13		B13		12A21	
2,4-Dichlorophenol	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
2,4-Dinitrotoluene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Pyrene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Dimethyl phthalate	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Dibenzofuran	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Benzo(ghi)perylene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Indeno(1,2,3-cd)pyrene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Benzo(b)fluoranthene	340	U	6800	U	1400	U	340	U	7000	U	660	J	150	J	340	UH	340	UH	340	UH	40	J	340	U	340	U	350	UH
Fluoranthene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Benzo(k)fluoranthene	340	U	6800	U	1400	U	340	U	7000	U	520	J	170	J	340	UH	340	UH	340	UH	54	J	340	U	340	U	350	UH
Acenaphthylene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
Chrysene	340	U	6800	U	1400	U	340	U	7000	U	720	J	140	JB	340	UH	340	UH	340	UH	67	J	340	U	340	U	350	UH
4,6-Dinitro-2-methylphenol	830	U	16000	U	3400	U	830	U	17000	U	8300	U	3300	U	840	UH	840	UH	830	UH	860	U	820	U	830	U	850	UH
1,3-Dichlorobenzene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
2,6-Dinitrotoluene	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
N-Nitrosodi-n-propylamine	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH
4-Chlorophenyl phenyl ether	340	U	6800	U	1400	U	340	U	7000	U	3400	U	1400	U	340	UH	340	UH	340	UH	360	U	340	U	340	U	350	UH

TABLE 6

CONCENTRATIONS OF PAHs IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

	B-17		B-18B		B-18B		B-18B		B-19A		B-19A		B-19A		B-20		B-20		B-20		G-1		G-2		Lagoon 1		Lagoon 1	
	1730.5-31.5		18B.5-1		18B8-8.5		18B10.5-12		19A0.5-1.5		19A6-6.5		19A11-11.5		202-2.5		205.5-6.5		2012.5-13		G-1		G-2		NPIL1SS A		NPIL1SS B	
Target Compound	09/23/96		09/24/96		09/24/96		09/24/96		09/17/96		09/17/96		09/17/96		09/17/96		09/17/96		09/17/96		09/24/96		09/24/96		09/04/96		09/04/96	
(units in ug/kg)	31		0.75		8.25		11.25		1		6.25		11.25		2.25		6		12.75		0.25		0.25		0		0	
	12A21		B13		B14		B14		B19A		B19A		B19A		B19A		B19A		B19A		B13		B13		NPI		NPI	
Benzo(a)pyrene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	UM	6600	UM
2,4-Dinitrophenol	830	UH	16000	U	830	U	830	U	16000	U	840	U	840	U	17000	U	840	U	830	U	16000	U	17000	U	16000	UM	16000	UM
Dibenz(a,h)anthracene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	UM	6600	UM
Benzo(a)anthracene	340	UH	6700	U	45	JB	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
4-Chloro-3-methylphenol	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Hexachloroethane	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Hexachlorocyclopentadiene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Isophorone	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Acenaphthene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Diethyl phthalate	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Di-n-butyl phthalate	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Phenanthrene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	950	J	6600	M	6600	M
Butyl benzyl phthalate	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
N-Nitrosodiphenylamine	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Fluorene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Carbazole	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Hexachlorobutadiene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	UM	6600	UM
Pentachlorophenol	830	UH	16000	U	830	U	830	U	16000	U	840	U	840	U	17000	U	840	U	830	U	16000	U	17000	U	16000	UM	16000	UM
2,4,6-Trichlorophenol	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	UM	6600	UM
2-Nitroaniline	830	UH	16000	U	830	U	830	U	16000	U	840	U	840	U	17000	U	840	U	830	U	16000	U	17000	U	16000	UM	16000	UM
2-Nitrophenol	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	UM	6600	UM
Naphthalene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
2-Methylnaphthalene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
2-Chloronaphthalene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
3,3'-Dichlorobenzidine	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
2-Methylphenol	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
1,2-Dichlorobenzene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
2-Chlorophenol	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	UM	6600	UM
2,4,5-Trichlorophenol	830	UH	16000	U	830	U	830	U	16000	U	840	U	840	U	17000	U	840	U	830	U	16000	U	17000	U	16000	UM	16000	UM
Nitrobenzene	340	UHY	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	UY	340	U	340	U	6800	U	7000	U	6600	UM	6600	UM
3-Nitroaniline	830	UH	16000	U	830	U	830	U	16000	U	840	U	840	U	17000	U	840	U	830	U	16000	U	17000	U	16000	UM	16000	UM
4-Nitroaniline	830	UH	16000	U	830	U	830	U	16000	U	840	U	840	U	17000	U	840	U	830	U	16000	U	17000	U	16000	UM	16000	UM
4-Nitrophenol	830	UH	16000	U	830	U	830	U	16000	U	840	U	840	U	17000	U	840	U	830	U	16000	U	17000	U	16000	UM	16000	UM
4-Bromophenyl phenyl ether	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	U	6600	U
2,4-Dimethylphenol	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
4-Methylphenol	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
1,4-Dichlorobenzene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
4-Chloroaniline	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Phenol	34	BJH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
bis(2-Chloroethyl) ether	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Bis(2-chloroethoxy)methane	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
bis(2-Ethylhexyl) phthalate	340	UH	6700	U	340	U	54	J	6800	U	340	U	350	U	7000	U	59	JB	200	JB	6800	U	2500	J	6600	M	6600	M
Di-n-octyl phthalate	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Hexachlorobenzene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Anthracene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
1,2,4-Trichlorobenzene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M

TABLE 6

CONCENTRATIONS OF PAHs IN SOIL SAMPLES FROM WESTERN AND NORTHERN LOBES - 1996 DATA

	B-17		B-18B		B-18B		B-18B		B-19A		B-19A		B-19A		B-20		B-20		G-1		G-2		Lagoon 1		Lagoon 1	
	1730.5-31.5		18B.5-1		18B8-8.5		18B10.5-12		19A0.5-1.5		19A6-6.5		19A11-11.5		202-2.5		205.5-6.5		2012.5-13		G-1		G-2		NPIL1SS A		NPIL1SS B	
Target Compound	09/23/96		09/24/96		09/24/96		09/24/96		09/17/96		09/17/96		09/17/96		09/17/96		09/17/96		09/17/96		09/24/96		09/24/96		09/04/96		09/04/96	
(units in ug/kg)	31		0.75		8.25		11.25		1		6.25		11.25		2.25		6		12.75		0.25		0.25		0		0	
	12A21		B13		B14		B14		B19A		B19A		B19A		B19A		B19A		B19A		B13		B13		NPI		NPI	
2,4-Dichlorophenol	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
2,4-Dinitrotoluene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Pyrene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	1200	J	6600	M	6600	M
Dimethyl phthalate	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Dibenzofuran	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Benzo(ghi)perylene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Indeno(1,2,3-cd)pyrene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Benzo(b)fluoranthene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Fluoranthene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	1000	J	6600	M	6600	M
Benzo(k)fluoranthene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Acenaphthylene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
Chrysene	340	UH	6700	U	39	JB	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	UM	6600	UM
4,6-Dinitro-2-methylphenol	830	UH	16000	U	830	U	830	U	16000	U	840	U	840	U	17000	U	840	U	830	U	16000	U	17000	U	16000	UM	16000	UM
1,3-Dichlorobenzene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	UM	6600	UM
2,6-Dinitrotoluene	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	M	6600	M
N-Nitrosodi-n-propylamine	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	UY	7000	U	340	U	340	UY	6800	U	7000	U	6600	M	6600	M
4-Chlorophenyl phenyl ether	340	UH	6700	U	340	U	340	U	6800	U	340	U	350	U	7000	U	340	U	340	U	6800	U	7000	U	6600	UM	6600	UM

NOTES:

B = Compound was also detected in the associated method blank.
H = Result is estimated because the holding time was exceeded.
J = Concentration is between the limit of detection and the limit of quantitation.
M = ??
U = Not detected at or above the concentration shown.
Y = ??

Gannett Fleming

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 7

CONCENTRATIONS OF PCBs IN SOIL SAMPLES FROM SOUTHERN LOBE - 1995 DATA

Target Compound (units in ug/kg)	Site:	B-01		B-01		B-01		B-01		B-01		B-01		B-01	
	Sample ID:	B-1-0		B-1-10		B-1-17		B-1-21		B-1-23		B-1-23D		B-1-25	
	Date Collected:	08/30/95		08/30/95		08/30/95		08/30/95		08/30/95		08/30/95		08/30/95	
	Average Depth (ft):	0		10		17		21		23		23		25	
	Sample Delivery Group:	B-1-0		B-1-10		B-1-10		B-1-10		B-1-0		B-1-0		B-1-10	
Aroclor-1016		3400	U	3400	U	3700	U	35	U	35	U	35	U	35	U
Aroclor-1221		6900	U	6800	U	7300	U	70	U	70	U	70	U	70	U
Aroclor-1232		3400	U	3400	U	3700	U	35	U	35	U	35	U	35	U
Aroclor-1242		3400	U	3400	U	3700	U	35	U	35	U	35	U	35	U
Aroclor-1248		3400	U	3400	U	3700	U	35	U	35	U	35	U	35	U
Aroclor-1254		3400	U	3400	U	3700	U	35	U	35	U	35	U	35	U
Aroclor-1260		3400	U	3400	U	3700	U	35	U	35	U	35	U	35	U

Target Compound (units in ug/kg)	Site:	B-01		B-01		B-01		B-01		B-02		B-02		B-02	
	Sample ID:	B-1-27		B-1-29		B-1-33		B-1-31		B-2-0		B-2-5		B-2-10	
	Date Collected:	08/30/95		08/30/95		08/30/95		08/31/95		08/30/95		08/30/95		08/30/95	
	Average Depth (ft):	27		29		33		31		0		5		10	
	Sample Delivery Group:	B-1-10		B-1-10		B-1-10		B-4-34		B-1-10		B-1-10		B-1-10	
Aroclor-1016		35	UH	35	U	35	U	35	U	3400	U	37	UH	3600	U
Aroclor-1221		70	UH	71	U	69	U	70	U	6800	U	73	UH	7100	U
Aroclor-1232		35	UH	35	U	35	U	35	U	3400	U	37	UH	3600	U
Aroclor-1242		35	UH	35	U	35	U	35	U	3400	U	37	UH	3600	U
Aroclor-1248		35	UH	35	U	35	U	35	U	3400	U	37	UH	3600	U
Aroclor-1254		35	UH	35	U	35	U	35	U	3400	U	37	UH	3600	U
Aroclor-1260		35	UH	35	U	35	U	35	U	3400	U	37	UH	3600	U

Target Compound (units in ug/kg)	Site:	B-02		B-02		B-02		B-02		B-03		B-03		B-03	
	Sample ID:	B-2-10D		B-2-15		B-2-20		B-2-25		B-3-2		B-3-7		B-3-7D	
	Date Collected:	08/30/95		08/30/95		08/30/95		08/30/95		08/31/95		08/31/95		08/31/95	
	Average Depth (ft):	10		15		20		25		2		7		7	
	Sample Delivery Group:	B-1-10		B-1-10		B-4-34		B-1-10		B-4-34		B-4-34		B-4-34	
Aroclor-1016		3500	U	35	U	37	U	36	U	3500	U	3500	U	3400	U
Aroclor-1221		7100	U	71	U	74	U	71	U	7000	U	6900	U	6900	U
Aroclor-1232		3500	U	35	U	37	U	36	U	3500	U	3500	U	3400	U
Aroclor-1242		3500	U	35	U	37	U	36	U	3500	U	3500	U	3400	U
Aroclor-1248		3500	U	35	U	37	U	36	U	3500	U	3500	U	3400	U
Aroclor-1254		3500	U	35	U	37	U	36	U	3500	U	3500	U	3400	U
Aroclor-1260		3500	U	35	U	37	U	36	U	3500	U	3500	U	3400	U

TABLE 7

CONCENTRATIONS OF PCBs IN SOIL SAMPLES FROM SOUTHERN LOBE - 1995 DATA

Target Compound (units in ug/kg)	Site:	B-03		B-03		B-03		B-03		B-03		B-03		B-04	
	Sample ID:	B-3-9		B-3-11		B-3-13		B-3-15		B-3-17		B-3-19		B-4-5	
	Date Collected:	08/31/95		08/31/95		08/31/95		08/31/95		08/31/95		08/31/95		08/31/95	
	Average Depth (ft):	9		11		13		15		17		19		5	
	Sample Delivery Group:	B-4-34		B-4-34		B-4-34		B-4-34		B-4-34		B-4-34		B-1-0	
Aroclor-1016		34	U	35	U	34	U	38	U	34	U	35	U	3400	U
Aroclor-1221		69	U	70	U	69	U	77	U	68	U	69	U	6900	U
Aroclor-1232		34	U	35	U	34	U	38	U	34	U	35	U	3400	U
Aroclor-1242		34	U	35	U	34	U	38	U	34	U	35	U	3400	U
Aroclor-1248		34	U	35	U	34	U	38	U	34	U	35	U	3400	U
Aroclor-1254		34	U	35	U	34	U	38	U	34	U	35	U	3400	U
Aroclor-1260		34	U	35	U	34	U	38	U	34	U	35	U	3400	U

Target Compound (units in ug/kg)	Site:	B-04		B-04		B-04		B-04		B-04		B-04		B-04	
	Sample ID:	B-4-10		B-4-15		B-4-20		B-4-25		B-4-25D		B-4-28		B-4-30	
	Date Collected:	08/31/95		08/31/95		08/31/95		08/31/95		08/31/95		08/31/95		08/31/95	
	Average Depth (ft):	10		15		20		25		25		28		30	
	Sample Delivery Group:	B-1-0		B-1-0		B-1-0		B-1-0		B-1-0		B-1-0		B-1-0	
Aroclor-1016		35	U	34	U	34	U	35	U	35	U	35	U	35	U
Aroclor-1221		70	U	69	U	69	U	70	U	70	U	70	U	69	U
Aroclor-1232		35	U	34	U	34	U	35	U	35	U	35	U	35	U
Aroclor-1242		35	U	34	U	34	U	35	U	35	U	35	U	35	U
Aroclor-1248		35	U	34	U	34	U	35	U	35	U	35	U	35	U
Aroclor-1254		35	U	34	U	34	U	35	U	35	U	35	U	35	U
Aroclor-1260		35	U	34	U	34	U	35	U	35	U	35	U	35	U

Target Compound (units in ug/kg)	Site:	B-04		B-04		B-04		B-05		B-05		B-05		B-05	
	Sample ID:	B-4-32		B-4-34		B-4-36		B-5-2		B-5-7		B-5-7		B-5-12	
	Date Collected:	08/31/95		08/31/95		08/31/95		08/31/95		08/31/95		08/31/95		08/31/95	
	Average Depth (ft):	32		34		36		2		7		7		12	
	Sample Delivery Group:	B-1-0		B-4-34		B-1-0		B-1-10		B-1-0		B-1-0		B-1-10	
Aroclor-1016		34	U	3500	U	34	U	34	U	34	U	3300	U	34	U
Aroclor-1221		69	U	7000	U	68	U	69	U	69	U	6600	U	68	U
Aroclor-1232		34	U	3500	U	34	U	34	U	34	U	3300	U	34	U
Aroclor-1242		34	U	3500	U	34	U	34	U	34	U	3300	U	34	U
Aroclor-1248		34	U	3500	U	34	U	34	U	34	U	3300	U	34	U
Aroclor-1254		34	U	3500	U	34	U	34	U	34	U	3300	U	34	U
Aroclor-1260		34	U	3500	U	34	U	34	U	34	U	3300	U	34	U

TABLE 7

CONCENTRATIONS OF PCBs IN SOIL SAMPLES FROM SOUTHERN LOBE - 1995 DATA

Target Compound (units in ug/kg)	Site:	B-05		B-05		B-05		B-05		B-05		B-07		B-07	
	Sample ID:	B-5-16		B-5-18		B-5-20		B-5-20D		B-5-22		B-7-0		B-7-5	
	Date Collected:	08/31/95		08/31/95		08/31/95		08/31/95		08/31/95		08/31/95		08/31/95	
	Average Depth (ft):	16		18		20		20		22		0		5	
	Sample Delivery Group:	B-1-10		B-1-10		B-1-10		B-1-10		B-1-10		B-1-0		B-1-0	
Aroclor-1016		36	U	37	U	35	U	35	U	34	U	35	U	35	U
Aroclor-1221		72	U	74	U	70	U	70	U	68	U	70	U	70	U
Aroclor-1232		36	U	37	U	35	U	35	U	34	U	35	U	35	U
Aroclor-1242		36	U	37	U	35	U	35	U	34	U	35	U	35	U
Aroclor-1248		36	U	37	U	35	U	35	U	34	U	35	U	35	U
Aroclor-1254		36	U	37	U	35	U	35	U	34	U	99.8		33.2	J
Aroclor-1260		36	U	37	U	35	U	35	U	34	U	35	U	35	U

Target Compound (units in ug/kg)	Site:	B-07		B-07		B-07		B-07	
	Sample ID:	B-7-10		B-7-10D		B-7-14		B-7-15	
	Date Collected:	08/31/95		08/31/95		08/31/95		08/31/95	
	Average Depth (ft):	10		10		14		15	
	Sample Delivery Group:	B-1-0		B-1-0		B-1-0		B-1-0	
Aroclor-1016		34	U	34	U	34	U	34	U
Aroclor-1221		68	U	68	U	68	U	69	U
Aroclor-1232		34	U	34	U	34	U	34	U
Aroclor-1242		34	U	34	U	34	U	34	U
Aroclor-1248		34	U	34	U	34	U	34	U
Aroclor-1254		34	U	34	U	34	U	34	U
Aroclor-1260		34	U	34	U	34	U	34	U

NOTES:

J = Concentration is between the limit of detection and the limit of quantitation.

U - Not detected at or above the concentration shown.

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NATIONAL PRESTO INDUSTRIES, INC.
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TABLE 8

CONCENTRATIONS OF PCBs IN SOIL SAMPLES FROM WESTERN & NORTHERN LOBES - 1996 DATA

Target Compound (units in ug/kg)	Site:	B-08		B-08		B-08		B-09		B-09		B-09		B-10	
	Sample ID:	8.5-1		86.5-7		811-12		91-1.5		95.5-6		910.5-12		101-1.5	
	Date Collected:	09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96	
	Average Depth (ft):	0.75		6.75		11.5		1.25		5.75		11.25		1.25	
	Sample Delivery Group:	B8		B8		B8		B8		B8		B19A		B8	
Aroclor-1016		3600	U	1700	U	35	U	3300	U	3300	U	690	U	340	U
Aroclor-1221		7300	U	3400	U	70	U	6600	U	6700	U	1400	U	690	U
Aroclor-1232		3600	U	1700	U	35	U	3300	U	3300	U	690	U	340	U
Aroclor-1242		3600	U	1700	U	35	U	3300	U	3300	U	690	U	340	U
Aroclor-1248		3600	U	1700	U	35	U	3300	U	3300	U	690	U	340	U
Aroclor-1254		3600	U	1700	U	35	U	3300	U	3300	U	690	U	340	U
Aroclor-1260		3600	U	1700	U	35	U	3300	U	3300	U	690	U	340	U

Target Compound (units in ug/kg)	Site:	B-10		B-10		B-11		B-11		B-11		B-12A		B-12A	
	Sample ID:	105.5-6		1010-11.5		111-1.5		118-9		1111-11.5		12A1-1.5		12A6-6.5	
	Date Collected:	09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/19/96	
	Average Depth (ft):	5.75		10.75		1.25		8.5		11.25		1.25		6.25	
	Sample Delivery Group:	B8		B8		B19A		B19A		B19A		B14		B14	
Aroclor-1016		3400	U	35	U	3500	U	35	U	35	U	3500	U	34	U
Aroclor-1221		6900	U	70	U	7000	U	70	U	70	U	7000	U	69	U
Aroclor-1232		3400	U	35	U	3500	U	35	U	35	U	3500	U	34	U
Aroclor-1242		3400	U	35	U	3500	U	35	U	35	U	510	JX	34	U
Aroclor-1248		3400	U	35	U	3500	U	35	U	35	U	3500	U	34	U
Aroclor-1254		3400	U	35	U	3500	U	35	U	35	U	3500	U	34	U
Aroclor-1260		3400	U	35	U	3500	U	35	U	35	U	3500	U	34	U

Target Compound (units in ug/kg)	Site:	B-12A		B-12A		B-12A		B-13		B-13		B-13		B-14	
	Sample ID:	12A11-11.5		12A21-21.5		12A30.5-32.5		131-1.5		136-6.5		1310.5-11		141-1.5	
	Date Collected:	09/19/96		09/23/96		09/23/96		09/24/96		09/24/96		09/24/96		09/19/96	
	Average Depth (ft):	11.25		21.25		31.25		1.25		6.25		10.75		1.25	
	Sample Delivery Group:	B14		B12A21		B12A21		B13		B13		B13		B14	
Aroclor-1016		34	U	34	UH	34	UH	3400	U	690	U	34	U	3400	U
Aroclor-1221		69	U	69	UH	69	UH	6900	U	1400	U	69	U	6900	U
Aroclor-1232		34	U	34	UH	34	UH	3400	U	690	U	34	U	3400	U
Aroclor-1242		34	U	34	UH	34	UH	3400	U	690	U	34	U	3400	U
Aroclor-1248		34	U	34	UH	34	UH	3400	U	690	U	34	U	3400	U
Aroclor-1254		34	U	34	UH	34	UH	3400	U	690	U	34	U	3400	U
Aroclor-1260		34	U	34	UH	34	UH	3400	U	690	U	34	U	3400	U

TABLE 8

CONCENTRATIONS OF PCBs IN SOIL SAMPLES FROM WESTERN & NORTHERN LOBES - 1996 DATA

Target Compound (units in ug/kg)	Site:	B-14		B-14		B-15A		B-15A		B-15A		B-16		B-16	
	Sample ID:	145.5-6		1413.5-14		15A1-1.5		15A6-6.5		15A10.5-11		161-1.5		167.5-8.5	
	Date Collected:	09/19/96		09/19/96		09/19/96		09/19/96		09/19/96		09/24/96		09/24/96	
	Average Depth (ft):	5.75		13.75		1.25		6.25		10.75		1.25		8	
	Sample Delivery Group:	B14		B14		B14		B14		B14		B16		B16	
Aroclor-1016		350	U	35	U	3400	U	3500	U	35	U	3600	U	1700	U
Aroclor-1221		700	U	69	U	6900	U	7000	U	69	U	7100	U	3400	U
Aroclor-1232		350	U	35	U	3400	U	3500	U	35	U	3600	U	1700	U
Aroclor-1242		350	U	35	U	3400	U	3500	U	35	U	3600	U	1700	U
Aroclor-1248		350	U	35	U	3400	U	3500	U	35	U	3600	U	1700	U
Aroclor-1254		350	U	35	U	3400	U	3500	U	35	U	3600	U	1700	U
Aroclor-1260		350	U	35	U	3400	U	3500	U	35	U	3600	U	1700	U

Target Compound (units in ug/kg)	Site:	B-16		B-17		B-17		B-17		B-18B		B-18B		B-18B	
	Sample ID:	1611-11.5		17.5-1		176-6.5		1710.5-11		18B.5-1		18B8-8.5		18B10.5-12	
	Date Collected:	09/24/96		09/24/96		09/24/96		09/24/96		09/24/96		09/24/96		09/24/96	
	Average Depth (ft):	11.25		0.75		6.25		10.75		0.75		8.25		11.25	
	Sample Delivery Group:	B16		B13		B13		B13		B13		B14		B14	
Aroclor-1016		35	U	36	U	34	U	34	U	3400	U	340	U	34	U
Aroclor-1221		70	U	72	U	68	U	68	U	6800	U	690	U	69	U
Aroclor-1232		35	U	36	U	34	U	34	U	3400	U	340	U	34	U
Aroclor-1242		35	U	36	U	34	U	34	U	3400	U	340	U	34	U
Aroclor-1248		35	U	36	U	34	U	34	U	3400	U	340	U	34	U
Aroclor-1254		14	J	36	U	34	U	34	U	3400	U	340	U	34	U
Aroclor-1260		35	U	36	U	34	U	34	U	3400	U	340	U	34	U

Target Compound (units in ug/kg)	Site:	B-19A		B-19A		B-19A		B-20		B-20		B-20		B-20	
	Sample ID:	19A0.5-1.5		19A6-6.5		19A11-11.5		202-2.5		202-2.5RE		205.5-6.5		2012.5-13	
	Date Collected:	09/17/96		09/17/96		09/17/96		09/17/96		09/17/96		09/17/96		09/17/96	
	Average Depth (ft):	1		6.25		11.25		2.25		2.25		6		12.75	
	Sample Delivery Group:	B19A		B19A		B19A		B19A		B19A		B19A		B19A	
Aroclor-1016		17000	U	35	U	35	U	3600	U	3600	UH	35	U	34	U
Aroclor-1221		34000	U	70	U	70	U	7100	U	7100	UH	70	U	69	U
Aroclor-1232		17000	U	35	U	35	U	3600	U	3600	UH	35	U	34	U
Aroclor-1242		17000	U	35	U	35	U	3600	U	3600	UH	35	U	34	U
Aroclor-1248		17000	U	35	U	35	U	3600	U	3600	UH	35	U	34	U
Aroclor-1254		17000	U	35	U	35	U	3600	U	3600	UH	35	U	34	U
Aroclor-1260		17000	U	35	U	35	U	3600	U	3600	UH	35	U	34	U

TABLE 8

CONCENTRATIONS OF PCBs IN SOIL SAMPLES FROM WESTERN & NORTHERN LOBES - 1996 DATA

Target Compound (units in ug/kg)	Site:	G-1		G-2		Lagoon 1		Lagoon 1							
	Sample ID:	G-1		G-2		NPIL1SS A		NPIL1SS B							
	Date Collected:	09/24/96		09/24/96		09/04/96		09/04/96							
	Average Depth (ft):	0.25		0.25		0		0							
	Sample Delivery Group:	B13		B13		NPI		NPI							
Aroclor-1016		3400	U	3600	U	3300	UZ	1700	UZ						
Aroclor-1221		6800	U	7100	U	3300	UZ	1700	UZ						
Aroclor-1232		3400	U	3600	U	6600	UZ	3300	UZ						
Aroclor-1242		3400	U	3600	U	3300	UZ	1700	UZ						
Aroclor-1248		3400	U	3600	U	3300	UZ	1700	UZ						
Aroclor-1254		3400	U	3600	U	3300	UZ	1700	UZ						
Aroclor-1260		3400	U	3600	U	3300	UZ	1700	UZ						

NOTES:
H = Result is estimated because the holding time was exceeded.
J = Concentration is between the limit of detection and the limit of quantitation.
U - Not detected at or above the concentration shown.
Z = Result is estimated because the internal standard area was below the quality control limit.

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NATIONAL PRESTO INDUSTRIES, INC.
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TABLE 11

SUMMARY OF METALS VALUES FOR LAGOON NO. 1 SOIL BORING SAMPLES

Parameter	Number of Samples with Detectable Concentrations	Mean of Samples with Detectable Concentrations (mg/kg)	Median of Samples with Detectable Concentrations (mg/kg)	Maximum Detected Concentration (mg/kg)	Common Range in Natural Soils (mg/kg) *	Average Concentration in Natural Soils (mg/kg) *
Antimony	18	0.63	0.55	0.74	2 - 10	Not Listed
Arsenic	65	1.02	1.00	1.70	1 - 50	5 (1.6)
Barium	137	14.11	13.50	31.50	100 - 3,000	430
Beryllium	30	0.26	0.24	0.39	0.1 - 40	6
Cadmium	95	3.15	2.50	21.60	0.01 - 0.7	0.06 (510)
Chromium	138	21.86	13.15	143	1 - 1,000	100
Copper	137	20.60	16.70	83.5	2 - 100	30
Cyanide	46	1.01	0.30	6.30	Not Listed	Not Listed
Lead	138	2.40	1.10	27.70	2 - 200	10 (500)
Manganese	138	90.65	83.40	194	Not Listed	Not Listed
Mercury	1	0.15	0.15	0.15	0.01 - 0.3	0.03
Nickel	137	16.84	13.30	70.10	5 - 500	40
Selenium	5	0.85	0.86	0.96	0.1 - 2	0.30
Silver	0	NA	NA	NA	0.01 - 5	0.05
Thallium	1	1.20	1.20	1.20	Not Listed	Not Listed
Vanadium	138	5.68	13.50	41.40	Not Listed	Not Listed
Zinc	137	47.56	28.40	427	10 - 300	50

NOTES:
Soil samples collected in August 1995 and September 1996.
X = From USEPA Office of Solid Waste and Emergency Response, Hazardous Waste Land Treatment, Document SW-874 (April 1983), Page 273, Table 6.46.
NA = Not applicable.
Values in ( ) are residual contaminant levels based on human health risk from direct contact for industrial sites from Table 2 in NR 720.

NATIONAL PRESTO INDUSTRIES, INC.
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TABLE 13

EAST EXTENSION OF LAGOON NO. 1 FIELD SCREENING VALUES (ppm)

Sample Location	OVA Value	Sample Location	OVA Value	Sample Location	OVA Value
OP-W	0.2	OP-175B	0	OPE-50S-E	0
OP-0B	0.2	OP-175N	0	OPE-50S-0N	0
OP-0B	1.4	OP-175S	0	OPE-50S-25W	0
OP-0N	360	OP-200B	0.5	OPE-50S-50W	0
OP-0S	0	OP-200N	0	OPE-50S-W	0.4
OP-25B	1	OP-200S	0	OPE-75S-E	0
OP-25B2	1.4	OP-225B	0.4	OPE-75S-0N	0
OP-25N	0	OP-225N	0	OPE-75S-25W	0
OP-25S	0	OP-225S	0	OPE-75S-50W	0
OP-50B	10	OP-250B	1.2	OPE-75S-W	200
OP-50B2	0.2	OP-250S	0.2	OPE-100S-E	0
OP-50N	0	OP-275B	0.2	OPE-100S-25E	7.8
OP-50S	0	OP-275N	10	OPE-100S-0W	22
OP-75B	4	OP-300B	0	OPE-100S-25W	6.2
OP-75B2	1.3	OP-300N	0	OPE-100S-50W	0
OP-75N	0.2	OP-300S	0	OPE-100S-W	0
OP-75S	0	L1-NTPB	0.2	OPE-S-25E	0
OP-100B	1.6	L1-STPB	0.2	OPE-S-0W	0
OP-100B2	0.3	OP-E	1.2	OPE-S-25W	0
OP-100N	0	OPE-0N-25W	0.2	OPE-S-50W	0
OP-100S	0	OPE-0N-50W	0	OPE-N-0W	0
OP-125B	1.8	OPE-0N-W	0	OPE-N-25W	0
OP-125N	0	OPE-25S-E	0	OPE-N-50W	0
OP-125S	0	OPE-25S-0N	0		
OP-150B	0	OPE-25S-25W	0		
OP-150N	0	OPE-25S-50W	0		
OP-150S	0	OPE-25S-W	1.4		

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 14

ANALYTICAL RESULTS - EAST EXTENSION OF LAGOON #1 (JULY 1998)

VOC	Sample ID and Results in Units of mg/kg									
	OP-W	**OP-0B**	**OP-0N**	**OP-0S**	**OP-100B**	**OP-100N**	**OP-100S**	**OP-200B**	**OP-200N**	**OP-200S**
n-Butylbenzene	<0.021	<0.021	0.815	<0.021	<0.021	<0.021	<0.021	<0.02	<0.02	<0.032
sec-Butylbenzene	<0.021	<0.021	0.319	<0.021	<0.021	<0.021	<0.021	<0.02	<0.02	<0.032
Chloromethane	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.02	<0.02	<0.032
Hexachlorobutadiene	0.0257 (1)	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.02	<0.02	<0.032
Isopropylbenzene	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.02	<0.02	<0.032
p-Isopropyltoluene	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.02	<0.02	<0.032
Methylene Chloride	<0.021	<0.021	0.701 (2)	0.0727 (2)	<0.021	<0.021	<0.021	<0.02	<0.02	<0.032
n-Propylbenzene	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.02	<0.02	<0.032
1,1,1-Trichloroethane	<0.021	<0.021	0.709	<0.021	<0.021	<0.021	<0.021	<0.02	<0.02	<0.032
Trichlorofluoromethane	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.02	<0.02	<0.032
1,2,4-Trimethylbenzene	<0.021	<0.021	0.608	<0.021	<0.021	<0.021	<0.021	<0.02	<0.02	<0.032
1,3,5-Trimethylbenzene	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.02	<0.02	<0.032
Styrene	<0.021	<0.021	1.24 (1)	0.0622 (1)	<0.021	<0.021	<0.021	<0.02	<0.02	<0.032

TABLE 14

ANALYTICAL RESULTS - EAST EXTENSION OF LAGOON #1 (JULY 1998)

VOC	Sample ID and Results in Units of mg/kg								
	OP-300B	**OP-300S**	**OP-E**	**OPE-E**	**OPE-N**	**OPE-S**	**OPE-W**	**OPE-ON-25W**	**OPE-100S-25W**
n-Butylbenzene	<0.021	<0.024	<0.022	<0.024	<0.021	<0.021	<0.023	<0.023	0.39
sec-Butylbenzene	<0.021	<0.024	<0.022	<0.024	<0.021	<0.021	<0.023	0.0445	0.173
Chloromethane	<0.021	<0.024	<0.022	0.124 (1)	0.0867 (1)	0.147 (1)	0.130 (1)	0.098 (1)	0.117 (1)
Hexachlorobutadiene	<0.021	<0.024	<0.022	<0.024	<0.021	<0.021	<0.023	<0.023	<0.023
Isopropylbenzene	<0.021	<0.024	<0.022	<0.024	<0.021	<0.021	<0.023	0.0247	<0.023
p-Isopropyltoluene	<0.021	<0.024	<0.022	<0.024	<0.021	<0.021	<0.023	<0.023	0.0391
Methylene Chloride	<0.021	<0.024	<0.022	<0.024	<0.021	<0.021	<0.023	<0.023	0.147
n-Propylbenzene	<0.021	0.0454	<0.022	<0.024	<0.021	<0.021	<0.023	<0.023	<0.023
1,1,1-Trichloroethane	<0.021	<0.024	<0.022	<0.024	<0.021	<0.021	<0.023	<0.023	<0.023
Trichlorofluoromethane	<0.021	<0.024	<0.022	<0.024	<0.021	<0.021	<0.023	<0.023	<0.023
1,2,4-Trimethylbenzene	<0.021	<0.024	<0.022	<0.024	<0.021	<0.021	<0.023	0.0332	0.215
1,3,5-Trimethylbenzene	<0.021	<0.024	<0.022	<0.024	<0.021	<0.021	<0.023	<0.023	0.0673
Styrene	<0.021	<0.024	<0.022	0.0411 (1)	0.0377 (1)	0.0268 (1)	0.182	<0.023	0.379 (1)

NOTE:
Sample OP-0B was analyzed for PCBs. None were detected at or above the 0.0071 mg/kg detection limit.

FOOTNOTES:
(1) Analyte observed in method blank.
(2) Analytes presence may be due to laboratory contamination.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 15

RESULTS FOR FOLLOW-UP SOIL SAMPLING AT THE WEST END
OF THE EAST EXTENSION TO LAGOON NO. 1

Sample ID	FID (ppmv)	Concentration (mg/kg)		
		Methyl tert Butyl Ether	Methylene Chloride	Trichlorofluoromethane
35B	0.2	--	--	--
35S	0.4	--	--	--
60B	0.2	--	--	--
60S	0	--	--	--
85B	0	--	--	--
85S	0	--	--	--
110B	0	0.0645	0.341	0.0863
110S	0	0.0482	0.293	0.128
135S	0	--	--	--
USEPA RBC(1)		390	85	23,000

NOTES:

Samples were collected from 35B through 85S on November 16, 1998, and from 110B through 135S on November 17, 1998.

-- = Not analyzed.

FOOTNOTE:

(1) USEPA RBC (risk-based concentration) for residential soils from EPA Region III RBC Table (October 4, 1995)

APPENDIX F-11

LAGOON #1/SOUTH HALF SOIL DATA

Gannett Fleming

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 1[(1)]

CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS SUMMARY - SOUTH HALF OF LAGOON #1

Group / Substance	Concentration (mg/kg)					NR 720 RCL (mg/kg)		
						Soil to Groundwater	Non-Industrial Direct	Industrial Direct
Sample ID	SB-A[(2)]	SB-F[(2)]	SB-G[(2)]	SB-J	SB-L	Pathway	Contact	Contact
Metals								
Total cadmium	0.300 J	*1.57 J*	0.0851 J	0.0793 J	<0.0575	*0.752*	71.1	**985**
Detected polycyclic aromatic hydrocarbons (PAHs)								
Benzo(a)anthracene	<0.15	0.200 J	<0.0146	<0.0015	<0.0014	NS	1.14	**20.8**
Benzo(a)pyrene	<0.15	0.197 J	<0.0146	<0.0015	<0.0014	*0.47*	0.115	**2.11**
Benzo(b)fluoranthene	<0.15	0.177 J	<0.0146	0.0015 J	<0.0014	*0.4781*	1.15	**21.1**
Benzo(g,h,i)perylene	<0.15	0.154 J	<0.0146	0.0015 J	<0.0014	NS	NS	NS
Chrysene	<0.15	*0.184 J*	<0.0146	<0.0015	<0.0014	*0.1442*	115	**2110**
Fluoranthene	<0.15	0.347 J	0.0185 J	0.0022 J	0.0014 J	*88.8778*	2390	**30100**
Phenanthrene	<0.15	0.209 J	<0.0146	0.0016 J	<0.0014	NS	NS	NS
Pyrene	0.229 J	0.421 J	0.0182 J	0.0021 J	<0.0014	*54.5455*	1790	**22600**
Detected volatile organic compounds								
Toluene	0.0275	0.0468	<0.0217	<0.0205	<0.0226	*1.1072*	**818**	**818**

NOTES:
Concentrations are reported in milligrams per kilogram (mg/kg) on a dry-weight basis.
No results at or above an applicable NR 720 industrial direct contact RCL, as shown in red font and bold.
Results at or above an applicable NR 720 residential direct contact RCL are in red font.
Results at or above an applicable NR 720 soil to groundwater pathway RCL are italicized.
NR 720 residual contaminant level (RCL) concentrations from WDNR's RR Program Soil RCL Excel file updated December 2018.
Each sample consisted of a composite of soil cuttings from the top 4 feet.
Only compounds detected in one or more samples are reported in this table.
J = Estimated concentration, below laboratory quantitation level.

FOOTNOTE:
(1) Revised to show December 2018 NR 720 RCLs as requested by the WDNR.
(2) The physical nature of the sample (color, odor, phase separation, etc.) indicated a potential problem, and a dilution was taken to protect the instrument. The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated LOD/LOQ reporting levels for other analytes. Running the samples at a smaller dilution would cause instrument contamination/carryover problems.

N

LEGEND

- Boring Location (1988)
- Geoprobe Boring Location (11/2002)
- Power Auger Boring Location (7/2011)
- NPI Monitoring Well

NOTES

1. No Results ≥ A Generic NR 720 Industrial Direct Contact RCL.

2. Chippewa County Parcel #22809-3440-00020000 (a.k.a City of Eau Claire Parcel #16-0429).

3. See Figure 3 For Property Layout.

0 40 80 160 240 320

APPROXIMATE SCALE IN FEET

DIRECT CONTACT
RESIDUAL SOIL CONTAMINATION
SOUTH HALF OF LAGOON NO. 1

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

Gannett Fleming
Gannett Fleming, Inc.
8040 Excelsior Drive, Ste. 303
Madison WI 83717-1900
(608) 836-1500
www.gannettfleming.com

Project	34383.000	Date	08/09/19	FIGURE	6

L:\DRAFTING\34200\34283\34283.000\ccw_R34283-000_2019_1RAR\ccw_R34283-000_2019_1RAR_F06.mxd

APPENDIX F-12

LAGOON #2 SOIL DATA

NATIONAL PRESTO INDUSTRIES, INC. SITE
EAU CLAIRE, WISCONSIN

TABLE 4-4

LAGOON 2 (SOIL AND WATER SAMPLES)

1. Detected HSL VOCs (soil and water)

   A. 1988 Samples (µg/kg, solid samples)

   None detected

   B 1989 Samples (µg/l, water samples)

	LG2-W	LG2-E
1,1-Dichloroethane	0.2	0.4
Toluene	<0.3	0.2

2. Detected HSL VOCs (µg/kg, solid samples, water not analyzed)

   None detected

3. Detected Metals (mg/kg, soil samples, water not analyzed)

	BACKGROUND		LAGOON 2			
	BG-01 (0-.5 ft.)	BG-02 (1-1.5 ft.)	LG2-01-01 (0-5 ft.)	LG2-02-02 (1-1.5 ft.)	LG-03-01 (0-5 ft.)	LG2-04-01 (1-1.5 ft.)
Arsenic	<2.0	<2.0	2.5	<2.2	<2.5	<2.2
Barium	36.1	38.4	88.7	84.9	50.6	58.1
Cadmium	<1.0	<1.0	1.3	<1.1	2.5	<1.1
Chromium	5.2	7.1	135	18.8	47.1	27.9
Copper	<2.6	10.4	113	11.3	13.5	9.3
Lead	12.6	5.7	3.0	7.2	19.3	14.3
Nickel	<3.5	<3.5	115	26.3	47.4	47.5
Vanadium	9.0	10.1	26.9	24.6	25.8	19.7
Zinc	9.3	7.5	2,050	198	741	617

Note: See Appendix F for raw data tabulation which contains TICs, data qualifiers, and detection limits.

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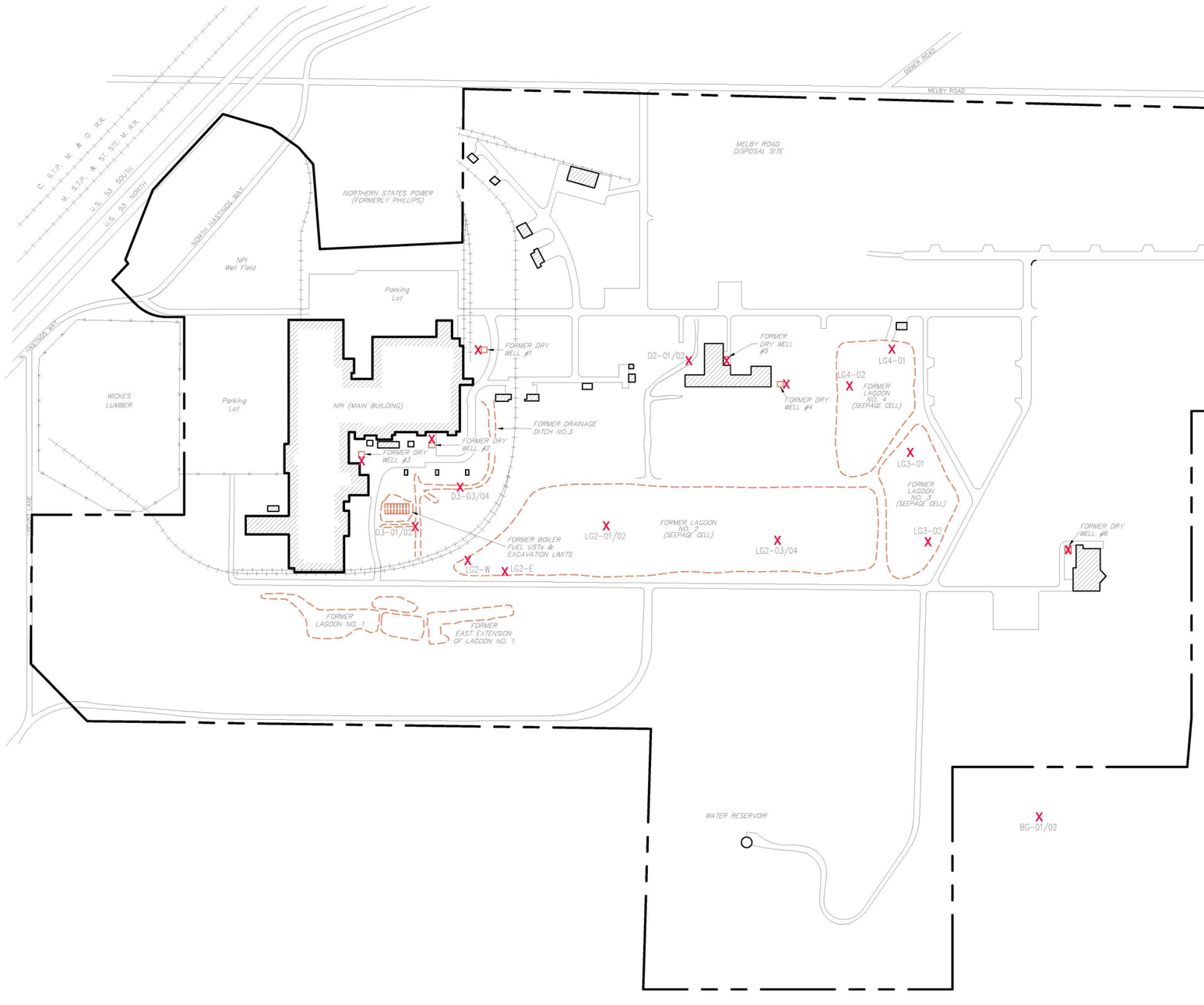

LEGEND

X *Remedial Investigation Soil Sample Location (1987–1989)*

—— *NPI Property Line*

NOTES:

1. *Soil samples were collected in Oct 1987 adjacent to Dry Wells #1–#4 because they were inaccessible.*
2. *Soil samples were collected in Oct 1987 from Dry Wells #5 and #6.*
3. *LG3 and LG4 samples were field screened with an OVA in Nov 1987 and no organic vapors were detected. Consequently, no samples were submitted for lab analysis, as specified in the QAPP.*
4. *See March 1994 Remedial Investigation report for additional details.*

0 500

Approximate Scale In Feet

080819
ccw_R34283-000_2019_1RAR_WCX

SITE PLAN

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 1

LAGOON #2 BASE SAMPLES
TENTATIVELY IDENTIFIED COMPOUNDS (mg/kg)

Analyte	Sample ID and Sample Depth								
	NP-LG2-01 - 02 (0-0.5ft)	NP-LG2-01 - 02RE (0-0.5ft)	NP-LG2-02 - 02 (1-1.5ft)	NP-LG2-02 - 02RE (1-1.5ft)	NP-LG2-03 - 02 (0-0.5ft)	NP-LG2-03 - 02RE (0-0.5ft)	NP-LG2-04 - 02 (1-1.5ft)	NP-LG2-BG - 01 (0-0.5ft)	NP-LG2-BG - 02 (1-1.5ft)
Decane	2.2 J	1.1 B,J	—	1.7 B,J	—	—	—	—	—
Undecane	5.7 J	—	—	—	—	1.2 B,J	—	—	—
Dimethyl Naphthalene	—	4.0 B,J	—	—	—	—	—	—	—
9H-Fluoren-9 Trimethyl Silane	—	—	—	—	—	—	2.0 B,J	—	—
2,6-Bis (1,1-Dimethylethyl)-4-Methyl Phenol	1.1 J	—	—	—	—	—	—	—	—
2-Methyl Naphthalene	—	1.1 J	—	—	—	—	—	—	—
1,3,5,7-Cyclooctate Traene	—	—	1.1 J	—	—	—	—	—	—
2-(2-Butoxyethoxy) Ethanol	—	—	—	—	9.0 B,J	—	5.0 B,J	—	—
Total Unknown	10.2 J	3.3 B,J	3.8 B,J	3.1 B,J	1.0 B,J	—	1.0 B,J	1.9	1.2

NOTES:
Samples collected by Eder Associates in July 1988 during the Remedial Investigation (RI) and analyzed by Pace Laboratories.
RE = Re-sampled in August 1988. Holding time for original sample exceeded.
Samples were analyzed for volatile organic compounds, semi-volatiles, pesticides, and PCBs. Only compounds detected in one or more samples are listed.
Compounds are tentatively identified as present. Values are estimated.
B = Compound also present in method blank.
J = Estimated value.
— = Not detected. Detection limit not given.
BG = Background sample collected off-site, approximately 1300 feet southeast of the southeast corner of Lagoon #2.
Data is from Table X-A of Addendum No. 1 to RI work plan (March 1989) and the lab reports in Appendix F of the March 31, 1994, final RI Report.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 2

LAGOON #2 BASE SAMPLES
METALS RESULTS (mg/kg)

Gannett Fleming

Analyte	Sample ID and Sample Depth					
	LG2 - 01 - 01 (0 - .5 ft)	**LG2-02 - 02 (1 - 1.5 ft)**	**LG2-03 - 01 (0 - 0.5 ft)**	**LG2-04 - 01 (1 - 1.5 ft)**	**BG - 01 (0 - 0.5 ft)**	**BG - 02 (1 - 1.5 ft)**
Arsenic	2.5	2.2 U	2.5 U	2.2 U	2.0 U	2.0 U
Barium	88.7	84.9	50.6	58.1	36.1 B	38.4 B
Cadmium	1.3 J	1.1 J	2.5 J	1.1 J	1.0 U	1.0 U
Chromium	135	18.8	47.1	27.9	5.2	7.1
Copper	113	11.3	13.5	9.3	2.6 U	10.4
Lead	3.0 J	7.2 S	19.3 J	14.3 S	12.6 J	5.7 J
Nickel	115 J	26.3 J	47.4 J	47.5 J	3.5 U	3.5 U
Vanadium	26.9	24.6	25.8	19.7	9.0 B	10.1 B
Zinc	2,050	198	741	617	9.3	7.5

NOTES:
Samples collected by Eder Associates in July 1988 during the Remedial Investigation (RI) and analyzed by Wilson Laboratories.
Samples analyzed for 23 metals. Only those metals detected in one or more samples are listed.
B = Reported value is less than the contract-required detection limit, but greater than the instrument detection limit.
U = Analyte was analyzed for but not detected at this limit of detection.
J = Estimated value.
S = Value determined by method of standard addition.
BG = Background sample collected off-site, approximately 1,300 feet southeast of the southeast corner of Lagoon #2.
Data is from Table X-A of Addendum No. 1 to RI work plan (March 1989) and the lab reports in Appendix F of the March 31, 1994, final RI Report .

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 3

LAGOON #2 WATER SAMPLES
VOLATILE ORGANIC COMPOUNDS ($\mu g/\ell$)

Compound	Sample ID		
	LG2-E	LG2-W	LG2-FB
1,1-Dichloroethane	0.4	0.2 J	0.2 U
1,1,1-Trichloroethane	0.3 U	0.2 U	0.2 J
Toluene	0.2 J	0.3 U	0.3 U

NOTES:
Samples collected by Eder Associates in June 1989 and analyzed by Hazelton Laboratories.
E = East.
W = West.
FB = Field blank.
J = Estimated value.
U = Not detected at or above this concentration.
Only compounds detected in one or more samples are shown.
Data is from Table 4-4 of the March 1994 RI report and the lab reports in Appendix F of same report.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 4

ANALYTICAL RESULTS FOR CHROMIUM - EAST OF THE SOUTHWEST CORNER OF LAGOON #2

Description		Concentration (mg/kg)	
Sample Location	**Sample ID**	**Total Chromium[1]**	**Hexavalent Chromium**
Station 1/Probe Hole 3/Depth 3-4 ft	S1/3/3-4	11.5	—
" / " / " 4-5 ft	S1/3/4-5	12.5	—
Station 1/Probe Hole 4/Depth 2-3 ft	S1/4/2-3	456	<0.385
" / " / " 4-5 ft	S1/4/4-5	10.0	—
Station 2/Probe Hole 3/Depth 4-5 ft	S2/3/4-5A	17.5	—
" / " / " 7-8 ft	S2/3/7-8B	10.5	—
Station 2/Probe Hole 4/Depth 3-4 ft	S2/4/3-4A	81.2	—
" / " / " 4-5 ft	S2/4/4-5B	12.9	—
Station 3/Probe Hole 3/Depth 4-5 ft	S3/3/4-5A	11.3	—
" / " / " 5-6 ft	S3/3/5-6B	7.15	—
Station 3/Probe Hole 4/Depth 3-5 ft	S3/4/3-5	10.1	—
Station 4/Probe Hole 3/Depth 3-4 ft	S4/3/3-4A	99.7	<0.337
" / " / " 5-6 ft	S4/3/5-6B	8.44	—
Station 4/Probe Hole 4/Depth 3-4 ft	S4/4/3-4A	133	<0.355
" / " / " 4-5 ft	S4/4/4-5B	27.6	—
Average Background[2]		8.58	—
Maximum Background[2]		13	—
USEPA Region III Industrial RBC[3]		3,100,000	6,100
USEPA Region III Residential RBC[3]		120,000	230
USEPA Region III Soil Screening Level - DAF 20[4]		2,000,000,000	42
USEPA Region IX Industrial PRG[5]		100,000	64
USEPA Region IX Residential PRG[5]		100,000	30
USEPA Region IX Soil Screening Level - DAF 20[4]		NS	38
WDNR Industrial Direct Contact RCL[6]		NS	200
WDNR Non-Industrial Direct Contact RCL[6]		16,000	14

NOTES:
Results are in milligrams per kilogram (mg/kg) on a dry-weight basis.
Samples were collected on September 12, 2001.
NS = No standard.
— = Not analyzed.

FOOTNOTES:
(1) Total chromium RBC, PRB, and RCL concentrations are listed for the trivalent form.
(2) Background metal concentrations based on soil samples collected on June 11 and 12, 1998, as reported previously
(3) RBC = Risk-based concentrations for soil ingestion in industrial areas from the USEPA Region III (04/02/02).
(4) DAF 20 = Dilution attenuation factor of twenty (20).
(5) PRG = Preliminary remediation goals for soil ingestion from the USEPA Region IX (11/01/00).
(6) RCL = Residual contaminant level for the direct contact pathway from NR 720.11, Wis. Admin. Code (January 20

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 5[1]

ANALYTICAL RESULTS FOR WDNR PAHs - EAST OF SOUTHWEST CORNER OF LAGOON #2

Group / Analyte / Sample ID	Concentration (mg/kg)								NR 720 RCL (mg/kg)		
	S1/3/3-4	S1/3/4-5	S1/4/2-3	S1/4/4-5	S2/3/4-5A	S2/3/7-8B	S2/4/3-4A	S2/4/4-5B	Soil to Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact
WDNR Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8310											
Acenaphthene	<0.00505	<0.0523	<0.362	<0.00492	<0.00495	<0.00495	<0.305	<0.00501	NS	3,590	**45,200**
Acenaphthylene	<0.0071	<0.0734	<0.508	<0.00691	<0.00695	<0.00695	<0.428	<0.00704	NS	NS	NS
Anthracene	<0.00108	<0.0111	<0.0769	<0.00105	<0.00105	<0.00105	<0.0648	<0.00107	*196.949*	17,900	**100,000**
Benzo(a)Anthracene	<0.00441	<0.0456	0.99	<0.00429	<0.00432	<0.00432	<0.266	<0.00437	NS	1.14	**20.8**
Benzo(a)Pyrene	0.0036	<0.0256	<0.177	<0.00241	<0.00242	<0.00242	<0.149	<0.00245	*0.47*	0.115	**2.11**
Benzo(b)Fluoranthene	0.00438	<0.0234	0.238	<0.0022	<0.00221	<0.00221	<0.136	<0.00224	*0.4781*	1.15	**21.1**
Benzo(ghi)Perylene	0.00374	<0.0234	<0.162	<0.0022	<0.00221	<0.00221	<0.136	<0.00224	NS	NS	NS
Benzo(k)Fluoranthene	<0.00312	<0.0323	<0.223	<0.00304	<0.00305	<0.00306	<0.188	<0.00309	NS	11.5	**211**
Chrysene	<0.00247	<0.0256	*2.37*	<0.00241	<0.00242	<0.00242	<0.149	<0.00245	*0.1442*	115	**2,110**
Dibenzo(a,h)Anthracene	<0.00151	<0.0156	<0.108	<0.00147	<0.00147	<0.00148	<0.0907	<0.00149	NS	0.115	**2.11**
Fluoranthene	0.00835	0.0498	0.276	<0.00105	<0.00105	<0.00105	<0.0648	<0.00107	*88.878*	2,390	**30,100**
Fluorene	<0.00215	<0.0222	<0.154	<0.00209	<0.00211	<0.00211	<0.13	<0.00213	*14.83*	2,390	**30,100**
Indeno(1,2,3-cd)Pyrene	0.00388	0.0257	<0.123	<0.00168	<0.00168	<0.00169	<0.104	<0.00171	NS	1.15	**21.1**
1-Methyl Naphthalene	<0.00376	<0.0389	<0.269	<0.00366	<0.00368	<0.00369	<0.227	<0.00373	NS	17.6	**72.7**
2-Methyl Naphthalene	<0.00441	<0.0456	<0.315	<0.00429	<0.00432	<0.00432	<0.266	<0.00437	NS	239	**3,010**
Naphthalene[2]	<0.00172	<0.0178	<0.123	<0.00168	<0.00168	<0.00169	<0.104	<0.00171	*0.6582*	5.52	**24.1**
Phenanthrene	0.00283	0.0494	0.556	<0.00241	<0.00242	<0.00242	0.201	<0.00245	NS	NS	NS
Pyrene	0.00637	<0.0111	0.577	<0.00105	<0.00105	<0.00105	<0.0648	<0.00107	*54.545*	1,790	**22,600**
Volatile Organic Compounds (VOCs) by EPA Method 8021											
Naphthalene[3]	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	*0.6582*	5.52	**24.1**

TABLE 5

ANALYTICAL RESULTS FOR WDNR PAHs - EAST OF SOUTHWEST CORNER OF LAGOON #2[1]

Group / Analyte / Sample ID	Concentration (mg/kg)							NR 720 RCL (mg/kg)		
	S3/3/4-5A	S3/3/5-6B	S3/4/3-5	S4/3/3-4A	S4/3/5-6B	S4/4/3-4A	S4/4/4-5B	Soil to Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact
WDNR Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8310										
Acenaphthene	<0.054	<0.0536	<0.00502	<0.317	<0.00491	<0.334	<0.00487	NS	3,590	**45,200**
Acenaphthylene	<0.0759	<0.0753	<0.00704	<0.445	<0.0069	<0.469	<0.00683	NS	NS	NS
Anthracene	0.137	0.0769	<0.00107	<0.0674	<0.00104	<0.0711	<0.00104	*196.949*	17,900	**100,000**
Benzo(a)Anthracene	0.132	0.117	<0.00438	<0.276	<0.00428	<0.291	<0.00424	NS	1.14	**20.8**
Benzo(a)Pyrene	0.0762	0.0605	<0.00245	<0.155	<0.0024	<0.164	<0.00238	*0.47*	0.115	**2.11**
Benzo(b)Fluoranthene	0.0967	0.0852	<0.00224	<0.142	<0.00219	<0.149	<0.00217	*0.4781*	1.15	**21.1**
Benzo(ghi)Perylene	0.0406	0.0318	<0.00224	<0.142	<0.00219	<0.149	<0.00217	NS	NS	NS
Benzo(k)Fluoranthene	0.0451	0.035	<0.00309	<0.196	<0.00303	<0.206	<0.003	NS	11.5	**211**
Chrysene	0.107	*0.145*	<0.00245	<0.155	<0.0024	<0.164	<0.00238	*0.1442*	115	**2,110**
Dibenzo(a,h)Anthracene	<0.0161	<0.016	<0.00149	<0.0944	<0.00146	<0.0995	<0.00145	NS	0.115	**2.11**
Fluoranthene	0.514	0.368	<0.00107	<0.0674	<0.00104	<0.0711	<0.00104	*88.878*	2,390	**30,100**
Fluorene	0.0666	<0.0228	<0.00213	<0.135	<0.00209	<0.142	<0.00207	*14.83*	2,390	**30,100**
Indeno(1,2,3-cd)Pyrene	0.0215	0.0184	<0.00171	<0.108	<0.00167	<0.114	<0.00166	NS	1.15	**21.1**
1-Methyl Naphthalene	0.047	<0.0399	<0.00374	<0.236	<0.00366	<0.249	<0.00362	NS	17.6	**72.7**
2-Methyl Naphthalene	0.0545	<0.0468	<0.00438	<0.276	<0.00428	<0.291	<0.00424	NS	239	**3,010**
Naphthalene[2]	<0.0184	<0.0182	<0.00171	<0.108	<0.00167	<0.114	<0.00166	*0.6582*	5.52	**24.1**
Phenanthrene	0.415	0.129	<0.00245	<0.155	<0.0024	<0.164	<0.00238	NS	NS	NS
Pyrene	0.34	0.27	<0.00107	<0.0674	<0.00104	<0.0711	<0.00104	*54.545*	1,790	**22,600**
Volatile Organic Compounds (VOCs) by EPA Method 8021										
Naphthalene[3]	*0.834*	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	*0.6582*	5.52	**24.1**

NOTES:

Concentrations are in milligrams per kilogram (mg/kg) on a dry-weight basis. No concentrations at or above NR 720 direct contact RCLs were detected.
Detected concentrations at or above an applicable NR 720 soil to groundwater pathway RCL are italicized.
Samples were collected on September 12, 2001.
NR 720 residual contaminant level (RCL) concentrations from WDNR's RR Program Soil RCL Excel workbook updated June 2018.
NS = No standard.

FOOTNOTES:

(1) Revised in January 2019 to show June 2018 NR 720 RCLs, as requested by the WDNR.
(2) See VOC group results for naphthalene concentration measured using EPA Method 8021 for VOCs.
(3) See PAH group results for naphthalene concentration measured using EPA Method 8310 for PAHs.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 5A

USEPA AND WDNR GUIDANCE CLEAN-UP LEVELS FOR THE WDNR PAHs

	Concentration (mg/kg)								
	USEPA Region III RBCs[1]			USEPA Region IX			WDNR RCL[2]		
	Soil Ingestion		SSL	PRGs[3]		SSL	Direct Contact		
Analyte	Residential	Industrial	DAF 20[4]	Residential	Industrial	DAF 20[4]	Non-industrial	Industrial	PGW[5]
WDNR Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8310									
Acenaphthene	4,700	120,000	100	3,700	38,000	570	900	60,000	38
Acenaphthylene	NS	NS	NS	NS	NS	NS	18	360	0.7
Anthracene	23,000	610,000	470	22,000	100,000	12,000	5,000	300,000	3,000
Benzo(a)Anthracene	0.87	7.8	1.5	0.62	2.9	2.0	0.088	3.9	17
Benzo(a)Pyrene	0.087	0.78	0.37	0.062	0.29	8.0	0.0088	0.39	48
Benzo(b)Fluoranthene	0.87	7.8	4.5	0.62	2.9	5.0	0.088	3.9	360
Benzo(k)Fluoranthene	8.7	78	45	6.2	29	49	0.88	39	870
Benzo(ghi)Perylene	NS	NS	NS	NS	NS	NS	1.8	39	6,800
Chrysene	87	780	150	62	290	160	8.8	390	37
Dibenzo(a,h)Anthracene	0.087	0.78	1.4	0.062	0.29	2.0	0.0088	0.39	38
Fluoranthene	3,100	82,000	6,300	2,300	30,000	4,300	600	40,000	500
Fluorene	3,100	82,000	140	2,600	33,000	560	600	40,000	100
Indeno(1,2,3-cd)Pyrene	0.87	7.8	13	0.62	2.9	84.0	0.088	3.9	680
1-Methyl Naphthalene	NS	NS	NS	NS	NS	NS	1,100	70,000	23
2-Methyl Naphthalene	1,600	41,000	22	NS	NS	NS	600	40,000	20
Naphthalene	1,600	41,000	0.15	56	190	84	20	110	0.4
Phenanthrene	NS	NS	NS	NS	NS	NS	18	390	1.8
Pyrene		61,000	680	2,300	54,000	4,200	500	30,000	8,700

NOTES:

Concentrations are in milligrams per kilogram (mg/kg) on a dry-weight basis.

NS = No standard.

FOOTNOTES:

(1) RBC = Risk-based concentrations are from USEPA Region III RBC Table (04/02/02).

(2) RCL = Residual contaminant levels are from the WDNR (April 1997).

(3) PRG = Preliminary remediation goal concentrations are from USEPA Region IX (11/01/00).

(4) SSL DAF 20 = Soil screening level using a dilution attenuation factor of twenty (20). These levels are applicable to the protection of groundwater.

(5) PGW = Protection of groundwater pathway concentrations are from the WDNR (April 1997).

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 6

FIELD SCREENING AND LABORATORY ANALYTICAL RESULTS FOR DETECTED VOCs
EAST OF SOUTHWEST CORNER OF LAGOON #2

Station	Probe Hole	Depth (ft bgs)	Lab Sample ID	FID (ppmv)	Concentration (mg/kg)						
					n-Butylbenzene	p-Isopropyl toluene	Naphthalene[1]	PCE	Toluene	TCE	Xylenes
1	1	0-1		0	–	–	–	–	–	–	–
		1-2		0	–	–	–	–	–	–	–
		2-3		0.2	–	–	–	–	–	–	–
		3-4		0	–	–	–	–	–	–	–
		4-5		0	–	–	–	–	–	–	–
	2	0-1		0	–	–	–	–	–	–	–
		1-2		0.2	–	–	–	–	–	–	–
		2-3		0	–	–	–	–	–	–	–
		3-4		0	–	–	–	–	–	–	–
		4-5		0	–	–	–	–	–	–	–
	3	0-1		0	–	–	–	–	–	–	–
		1-2		0	–	–	–	–	–	–	–
		2-3		0	–	–	–	–	–	–	–
		3-4	S1/3/3-4	60	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
		4-5	S1/3/4-5	0	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
Lowest Guidance Level[2]					140[3]	No standard	0.15[4]	0.029[4]	1.5[5]	0.00026[4]	4.1[5]
Lowest Industrial Direct Contact Concentration					240[3]	No standard	110[5]	19[3]	38[5]	6.1[3]	42[5]

NOTES:
FID = Flame ionization detector.
Volatile organic compound (VOC) concentrations are in milligrams per kilogram (mg/kg) on a dry-weight basis.
Detected concentrations exceeding a USEPA and/or WDNR guidance level are shown in bold.
Samples were collected on September 12, 2001.
– = Not analyzed.

FOOTNOTES:
(1) See Table 2 for naphthalene concentrations measured using EPA Method 8310 for WDNR PAHs.
(2) See Table 3A for complete list of USEPA and WDNR guidance clean-up levels.
(3) USEPA Region IX preliminary remediation goal.
(4) USEPA Region III risk-based concentration.
(5) WDNR residual contaminant level.

Table 6 Continued . . .

Station	Probe Hole	Depth (ft bgs)	Lab Sample ID	FID (ppmv)	Concentration (mg/kg)						
					n-Butylbenzene	p-Isopropyl toluene	Naphthalene[1]	PCE	Toluene	TCE	Xylenes
1	4	0-1		0	–	–	–	–	–	–	–
		1-2		20	–	–	–	–	–	–	–
		2-3	S1/4/2-3	200	0.741	<0.025	<0.025	**0.112**	0.135	<0.025	<0.1045
		3-4		0	–	–	–	–	–	–	–
		4-5	S1/4/4-5	0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
	5	0-1		0	–	–	–	–	–	–	–
		1-2		0.2	–	–	–	–	–	–	–
		2-3		0	–	–	–	–	–	–	–
		3-4		0	–	–	–	–	–	–	–
		4-5		0	–	–	–	–	–	–	–
2	1	1-3		0.2	–	–	–	–	–	–	–
		3-5		0.3	–	–	–	–	–	–	–
	2	1-3		0.1	–	–	–	–	–	–	–
		3-5		0.4	–	–	–	–	–	–	–
		5-7		3	–	–	–	–	–	–	–
		7-9		0.7	–	–	–	–	–	–	–
	3	0-2		0.1	–	–	–	–	–	–	–
		2-4		0	–	–	–	–	–	–	–
		4-5	S2/3/4-5A	44	0.543	0.267	<0.025	<0.025	0.0564	<0.025	<0.050
		7-8	S2/3/7-8B	0.6	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
	4	3-4	S2/4/3-4A	16	0.479	<0.025	<0.025	0.0298	0.0313	<0.025	<0.050
		4-5	S2/4/4-5B	1	<0.025	<0.025	<0.025	<0.025	<0.025	**0.05**	<0.050
Lowest Guidance Level[2]					140[3]	No standard	0.15[4]	0.029[4]	1.5[5]	0.00026[4]	4.1[5]
Lowest Industrial Direct Contact Concentration					240[3]	No standard	110[5]	19[3]	38[5]	6.1[3]	42[5]

NOTES:
FID = Flame ionization detector.
Volatile organic compound (VOC) concentrations are in milligrams per kilogram (mg/kg) on a dry-weight basis.
Detected concentrations exceeding a USEPA and/or WDNR guidance level are shown in bold.
Samples were collected on September 12, 2001.
– = Not analyzed.

FOOTNOTES:
(1) See Table 2 for naphthalene concentrations measured using EPA Method 8310 for WDNR PAHs.
(2) See Table 3A for complete list of USEPA and WDNR guidance clean-up levels.
(3) USEPA Region IX preliminary remediation goal.
(4) USEPA Region III risk-based concentration.
(5) WDNR residual contaminant level.

Table 6 Continued . . .

Station	Probe Hole	Depth (ft bgs)	Lab Sample ID	FID (ppmv)	Concentration (mg/kg)						
					n-Butylbenzene	p-Isopropyl toluene	Naphthalene[1]	PCE	Toluene	TCE	Xylenes
3	1	1-3		0	–	–	–	–	–	–	–
		3-5		0.4	–	–	–	–	–	–	–
	2	1-3		0.2	–	–	–	–	–	–	–
		3-5		0.2	–	–	–	–	–	–	–
	3	1-3		0	–	–	–	–	–	–	–
		4-5	S3/3/4-5A	56	0.472	0.227	**0.834**	<0.025	<0.025	**0.0451**	<0.050
		5-6	S3/3/5-6B	20	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
	4	1-3		0	–	–	–	–	–	–	–
		3-5	S3/4/3-5	0.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
		5-7		0	–	–	–	–	–	–	–
		7-9		0	–	–	–	–	–	–	–
	5	0-2		0	–	–	–	–	–	–	–
		2-4		0.4	–	–	–	–	–	–	–
4	1	1-3		0	–	–	–	–	–	–	–
		3-5		0.2	–	–	–	–	–	–	–
	2	1-3		0.1	–	–	–	–	–	–	–
		3-5		0.2	–	–	–	–	–	–	–
	3	1-3		0	–	–	–	–	–	–	–
		3-4	S4/3/3-4A	0	0.231	<0.025	<0.025	<0.025	<0.025	**0.101**	<0.050
		5-6	S4/3/5-6B	0	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
	4	3-4	S4/4/3-4A	200	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
		4-5	S4/4/4-5B	0	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
Lowest Guidance Level[2]					140[3]	No standard	0.15[4]	0.029[4]	1.5[5]	0.00026[4]	4.1[5]
Lowest Industrial Direct Contact Concentration					240[3]	No standard	110[5]	19[3]	38[5]	6.1[3]	42[5]

NOTES:
FID = Flame ionization detector.
Volatile organic compound (VOC) concentrations are in milligrams per kilogram (mg/kg) on a dry-weight basis.
Detected concentrations exceeding a USEPA and/or WDNR guidance level are shown in bold.
Samples were collected on September 12, 2001.
– = Not analyzed.

FOOTNOTES:
(1) See Table 2 for naphthalene concentrations measured using EPA Method 8310 for WDNR PAHs.
(2) See Table 3A for complete list of USEPA and WDNR guidance clean-up levels.
(3) USEPA Region IX preliminary remediation goal.
(4) USEPA Region III risk-based concentration.
(5) WDNR residual contaminant level.

NATIONAL PRESTO INDUSTRIES, INC.
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TABLE 6A

USEPA AND WDNR GUIDANCE CLEAN-UP LEVELS FOR DETECTED VOCs - EAST OF SOUTHWEST CORNER OF LAGOON #2

	Concentration (mg/kg)								
	USEPA Region III RBCs[1]			USEPA Region IX			WDNR RCL[2]		
	Soil Ingestion		SSL	PRGs[3]		SSL	Direct Contact		
Analyte	Residential	Industrial	DAF 20[4]	Residential	Industrial	DAF 20[4]	Non-industrial	Industrial	PGW[5]
n-Butylbenzene	3,100	82,000	NS	140	240	NS	NS	NS	NS
p-Isopropyltoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	1,600	41,000	0.15	56	190	84	20	110	0.4
Tetrachloroethylene	12	110	0.029	5.7	19	0.06	NS	NS	NS
Toluene	16,000	410,000	8.8	520	520	12	38	38	1.5
Trichloroethylene	1.6	14	0.00026	2.8	6.1	0.06	NS	NS	NS
Xylenes	160,000	4,100,000	170	210	210	210	42	42	4.1

NOTES:

Analytical results are in milligrams per kilogram (mg/kg) on a dry-weight basis.

NS = No standard.

FOOTNOTES:

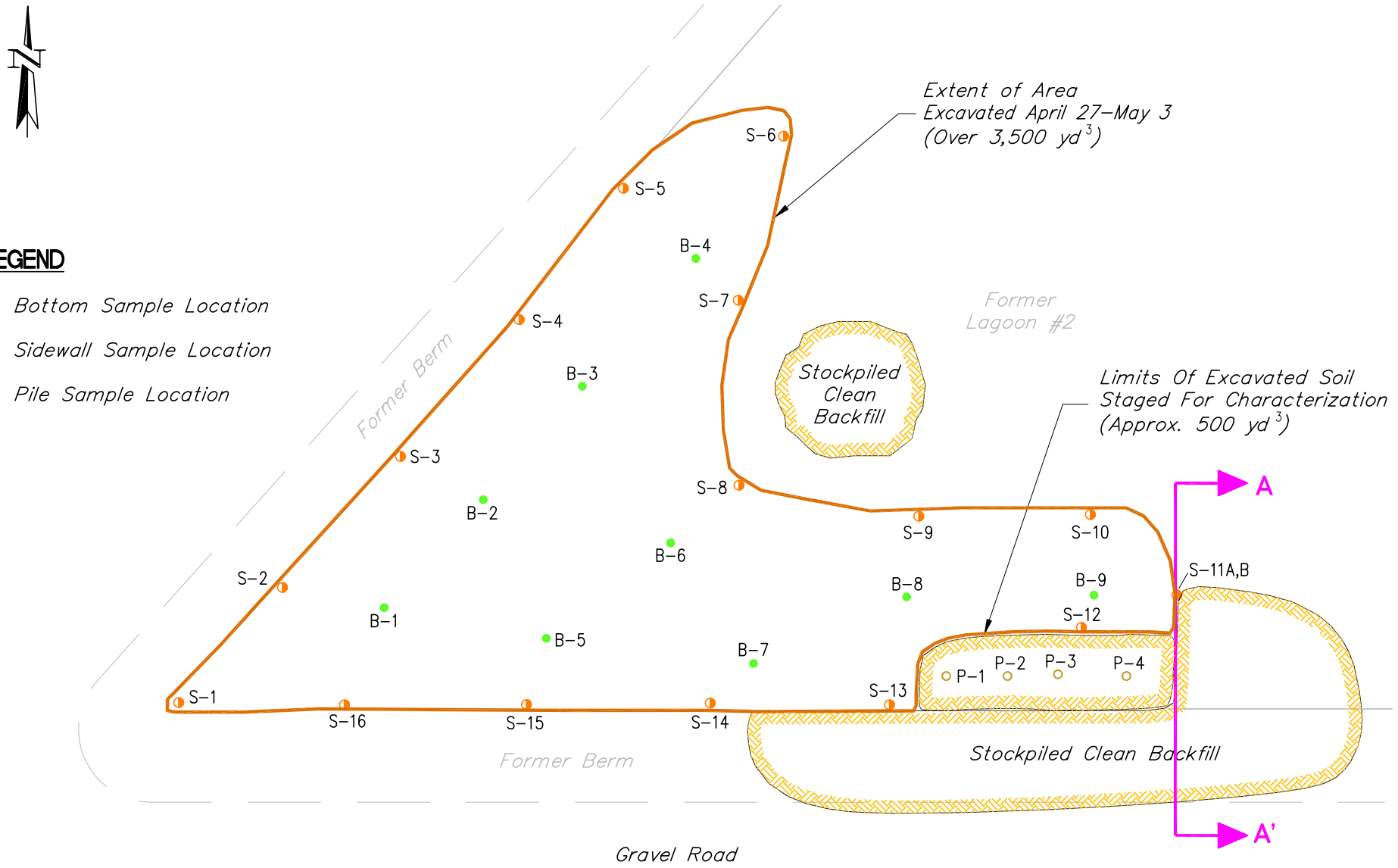
(1) RBC = Risk-based concentrations are from USEPA Region III RBC Table (04/02/02).

(2) RCL = Residual contaminant levels for direct contact are from Wisconsin Administrative Code NR 746.06 (January 2001).

(3) PRG = Preliminary remediation goal concentrations are from USEPA Region IX (11/01/00).

(4) SSL DAF 20 = Soil screening level using a dilution attenuation factor of twenty (20). These levels are applicable to the protection of groundwater.

(5) PGW = Protection of groundwater pathway concentrations are from Wisconsin Administrative Code NR 720.09 (January 2001).



SOUTHWEST CORNER OF FORMER LAGOON #2 WITH MAY 2000 SAMPLE LOCATIONS

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

FIG # REV
010803
34286WCV

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FIGURE 6

LEGEND

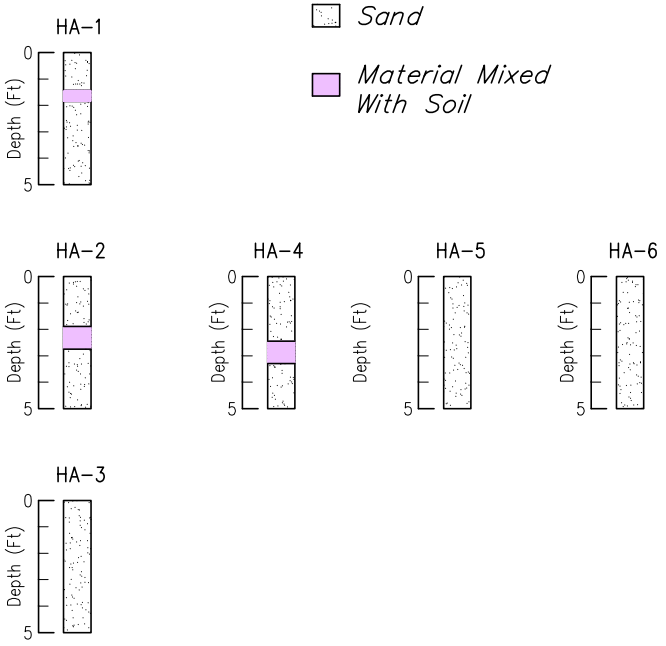
- Follow–Up Soil Sample Location And Station Number (9/12/01)
- Location With PAH/VOC Concentration Above Lowest Guidance Level For Protection Of Groundwater
- Area Backfilled With Stockpiled Clean Soil (7/00)
- Area Backfilled With Excavated Soil (7/00)
- Hand Auger Location (5/24/00)
- Bottom Sample Location (5/3/00)
- Sidewall Sample Location (5/3/00)

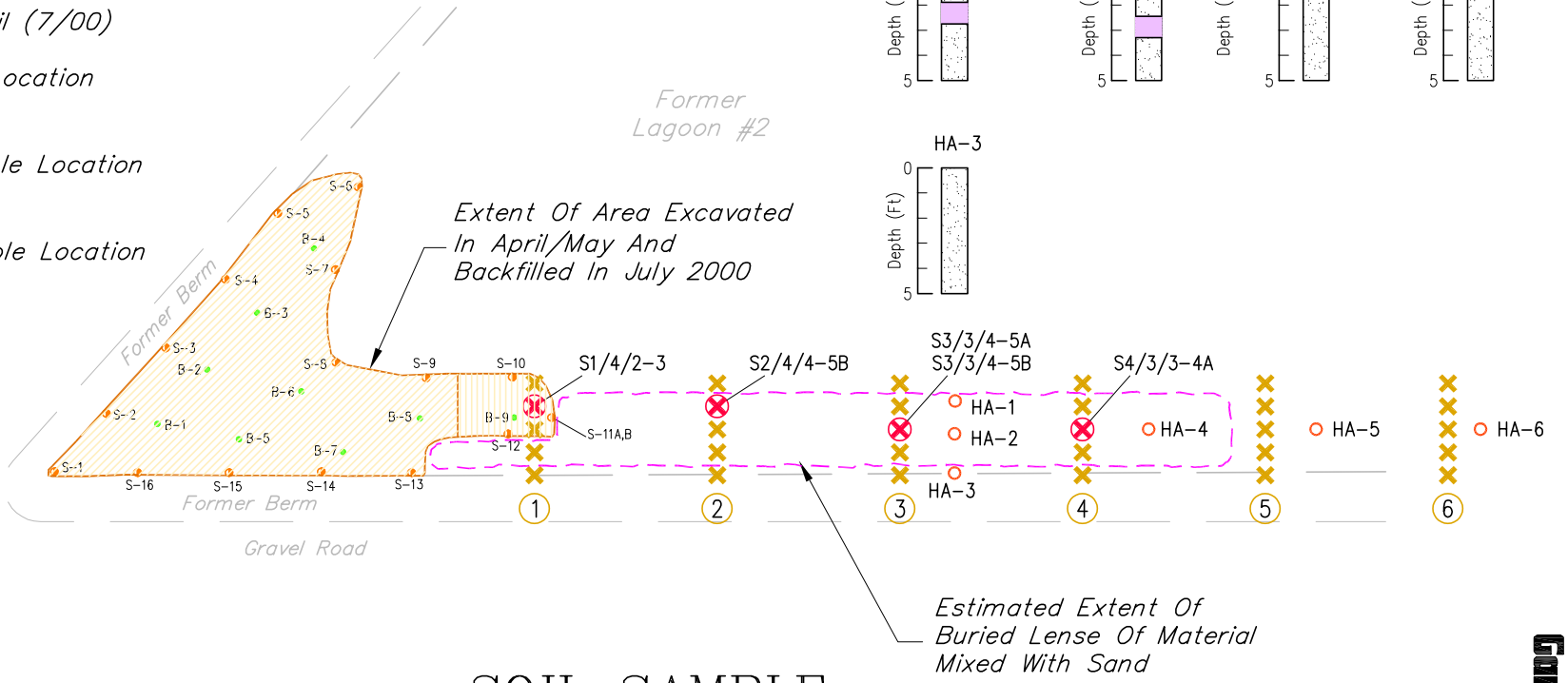
NOTES TO FOLLOW-UP SOIL SAMPLE RESULTS:

1. All Chromium Concentrations Were Below Listed Guidance Levels.
2. No PAH/VOC Concentrations Above The Lowest Industrial Direct Contact Level Were Identified.

STICK LOG KEY

- Sand
- Material Mixed With Soil





0 100

Approximate Scale In Feet

SOIL SAMPLE LOCATIONS–SOUTHWEST CORNER OF FORMER LAGOON #2

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

FIG # REV
010803
34286WDK

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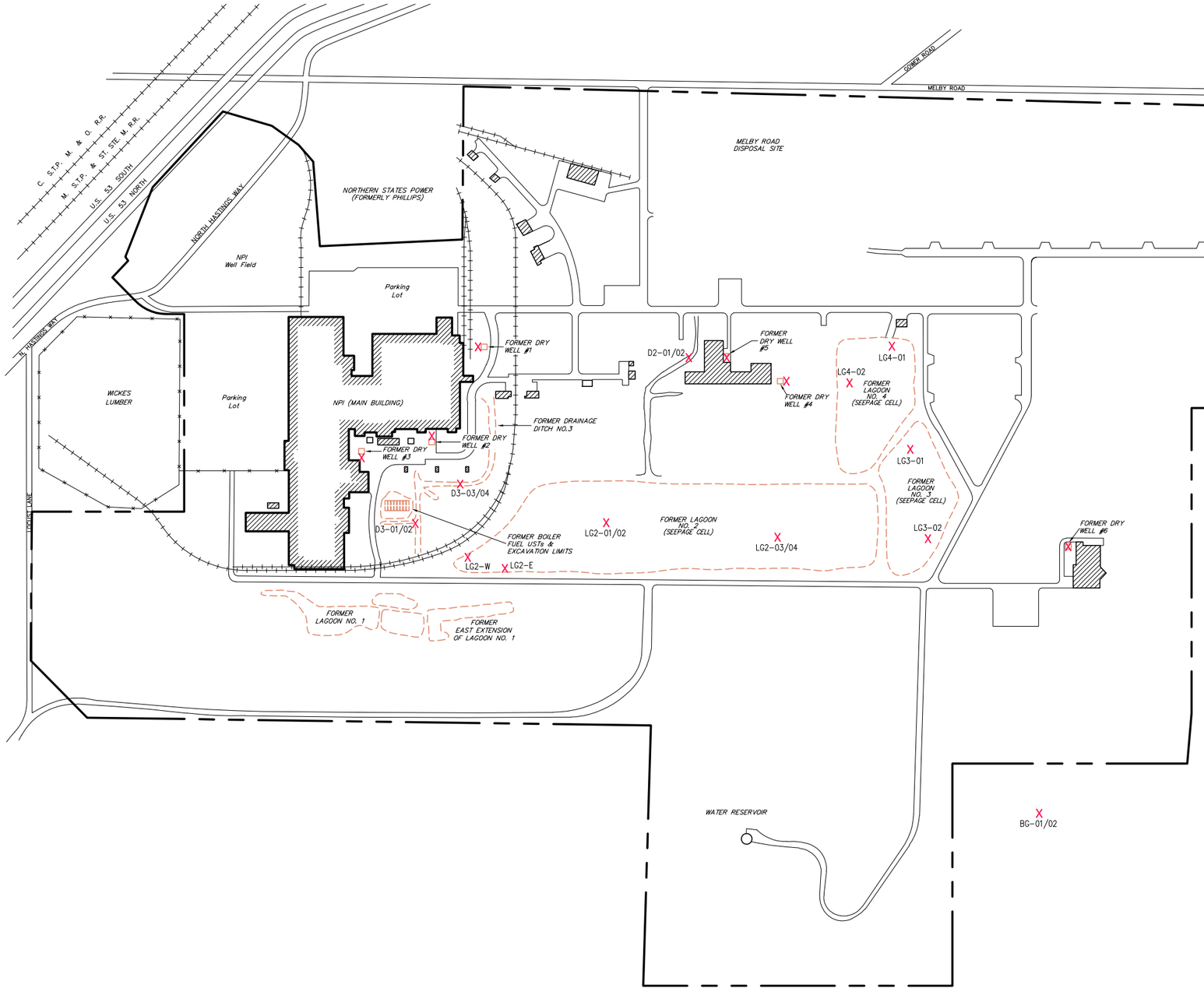
FIGURE 7

APPENDIX F-13

LAGOONS #3 AND #4 SOIL DATA

Source document: *Remedial Investigation Report*; (March 31, 1994); see Note #3.



LEGEND

X *Remedial Investigation Soil Sample Location (1987–1989)*

NPI Property Line

NOTES:

1. *Soil samples were collected in Oct 1987 adjacent to Dry Wells #1–#4 because they were inaccessible.*
2. *Soil samples were collected in Oct 1987 from Dry Wells #5 and #6.*
3. *LG3 and LG4 samples were field screened with an OVA in Nov 1987 and no organic vapors were detected. Consequently, no samples were submitted for lab analysis, as specified in the QAPP.*
4. *See March 1994 Remedial Investigation report for additional details.*

0 500

Approximate Scale In Feet

080819
ccw_R34283-000_2019_1RAR_WCX

SITE PLAN

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

APPENDIX F-14

LOADING DOCK AREA SOIL DATA

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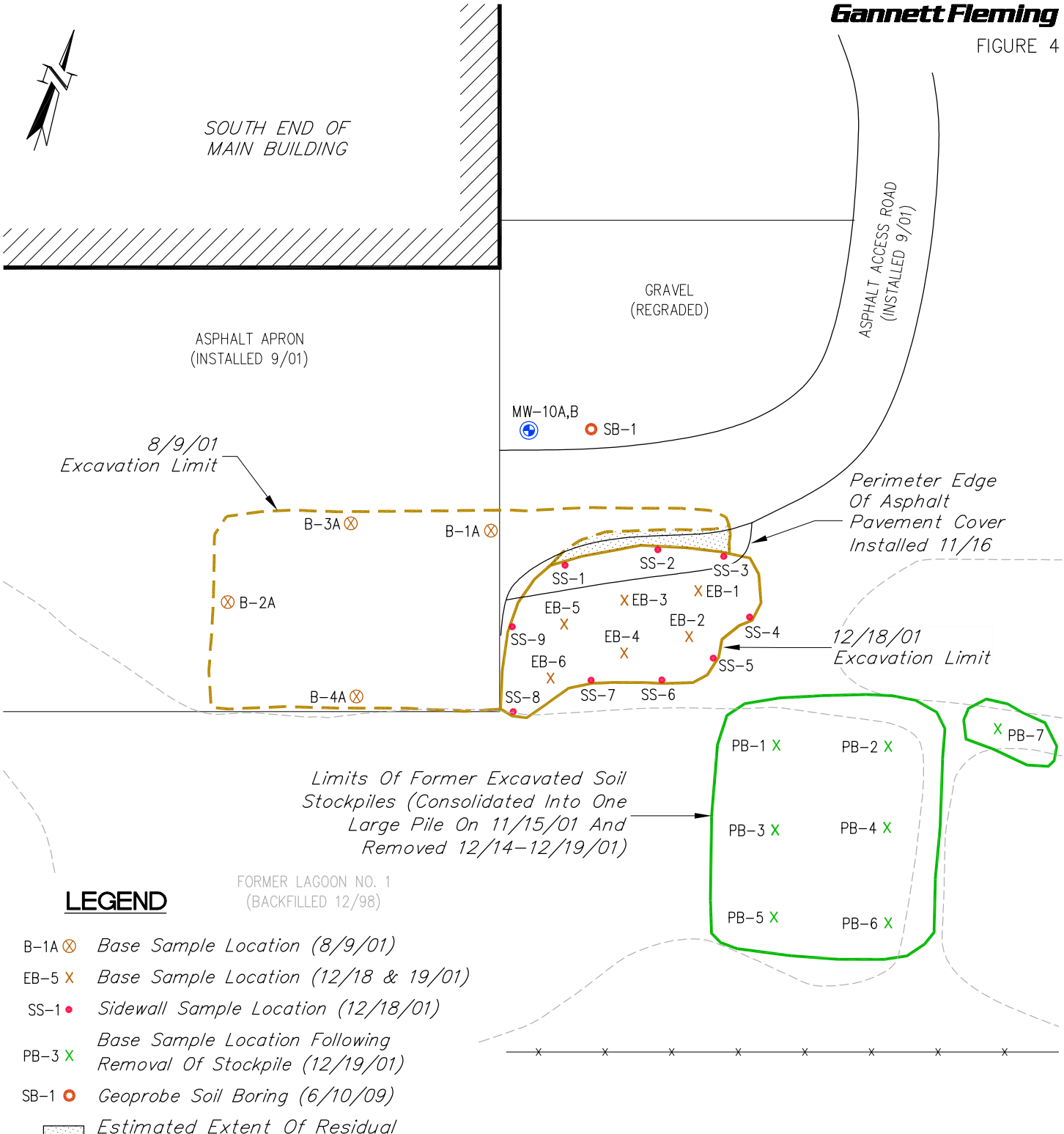
FIGURE 4



LEGEND

- B-1A ⊗ *Base Sample Location (8/9/01)*
- EB-5 X *Base Sample Location (12/18 & 19/01)*
- SS-1 • *Sidewall Sample Location (12/18/01)*
- PB-3 X *Base Sample Location Following Removal Of Stockpile (12/19/01)*
- SB-1 ○ *Geoprobe Soil Boring (6/10/09)*
- *Estimated Extent Of Residual Material Left In Place*
- *NPI Superfund Monitoring Well Nest (MW Prefix)*

0 50

Approximate Scale In Feet

FINAL EXCAVATION LIMITS, RESIDUAL SOIL SAMPLING LOCATIONS, AND ASPHALT PAVEMENT COVER (LOADING DOCK AREA)

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

032317
ccw_R34283-000_2016_1212_F04

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TABLE 3

LOADING DOCK AREA SOIL ANALYTICAL RESULTS SUMMARY (AUGUST 2001)

Group/Substance/CCR-HI	Concentration (mg/kg) for Metals and PAHs				NR 720 RCL (mg/kg)		
Sample ID	B-1A	B-2A	B-3A	B-4A	Soil to Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact
Sample Depth (ft bgs)	4	4	4	4			
Sample Date	8/9/01	8/9/01	8/9/01	8/9/01			
Metals							
Cadmium	<0.0341	<0.034	<0.0343	<0.0335	*0.752*	71.1	**985**
Chromium[(1)]	9.27	12.1	8.63	8.49	*360000*	100000	**100000**
Nickel	9.54	*14.2*	8.15	9.92	*13.0612*	1550	**22500**
Zinc	38.9	20.9	71.5	15.4	NS	23500	**100000**
Polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8310							
Acenaphthene	<0.0064	<0.00639	<0.00644	<0.00629	NS	3590	**45200**
Acenaphthylene	<0.00433	<0.00433	<0.00437	<0.00426	NS	NS	NS
Anthracene	0.00552	<0.00299	<0.00301	<0.00294	*196.9492*	17900	**100000**
Benzo(a)Anthracene	<0.00258	0.03363	<0.0026	<0.00254	NS	1.14	**20.8**
Benzo(a)Pyrene	0.0102	0.00658	<0.00239	<0.00233	*0.47*	0.115	**2.11**
Benzo(b)Fluoranthene	0.007	0.00374	<0.00114	<0.00112	*0.4793*	1.15	**21.1**
Benzo(ghi)Perylene	0.00399	0.00397	<0.00104	<0.00101	NS	NS	NS
Benzo(k)Fluoranthene	0.00329	0.0021	<0.00125	<0.00122	NS	11.5	**211**
Chrysene	0.00374	0.00445	<0.00208	<0.00203	*0.1446*	115	**2110**
Dibenzo(a,h)Anthracene	<0.00144	<0.00144	<0.00146	<0.00142	NS	0.115	**2.11**
Fluoranthene	0.0157	0.0125	0.00872	<0.00264	*88.8778*	2390	**30100**
Fluorene	<0.00361	<0.00361	<0.00364	<0.00355	*14.8299*	2390	**30100**
Indeno(1,2,3-cd)Pyrene	0.00643	0.00377	<0.00177	<0.00172	NS	1.15	**21.1**
1-Methyl Naphthalene	<0.00299	<0.00299	<0.00301	<0.00294	NS	17.6	**72.7**
2-Methyl Naphthalene	<0.00237	<0.00237	<0.00239	<0.00233	NS	239	**3010**
Naphthalene	<0.00402	<0.00402	<0.00405	<0.00396	*0.6582*	5.52	**24.1**
Phenanthrene	0.0153	0.00394	<0.00166	<0.00162	NS	NS	NS
Pyrene	0.00334	<0.0032	<0.00322	<0.00314	*54.5455*	1790	**22600**
Shallow Soil (Industrial) Multiple Contaminant Cumulative[(2)]							
Cancer Risk (CCR)	5.5E-09	5.1E-09	--	--	NR 720.12 CCR Threshold=1E-5		
Hazard Index (HI)	0.0001	--	--	--	NR 720.12 HI Threshold=1		

NOTES:
Concentrations and NR 720 RCLs are in milligrams per kilogram (mg/kg) on a dry-weight basis.
Samples from all four base locations were also analyzed for volatile organic compounds (VOCs) and were non-detect for VOCs.
No results at or above an applicable NR 720 nond-industrial or industrial direct contact RCL.
Detected concentrations at or above an applicable NR 720 soil to groundwater (GW) pathway RCL are italicized.
NR 720 residual contaminant level (RCL) concentrations from WDNR's RR Program Soil RCL Excel workbook updated March 2017.
Sample depths are in feet below ground surface (ft bgs) at the time of collection.
NS = No standard.
-- = Not applicable and/or negligible for CCR and/or HI levels, as shown.

FOOTNOTES:
(1) Sample concentrations and the Soil to GW RCL are for total chromium; the direct contact RCLs are for trivalent chromium.
(2) Industrial multiple contaminant cumulative cancer risk (CCR) and hazard index (HI) levels, if applicable (for samples within 4 feet of ground surface and based on detected concentrations only). Thresholds are 1E-5 for CCR and 1 for HI per NR 720.12(1)(b). No CCR or HI levels at or above their respective thresholds were calculated.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 4[1]

LOADING DOCK AREA RESIDUAL SOIL ANALYTICAL RESULTS (DECEMBER 2001 AND JUNE 2009)

Group/Substance/CCR-HI	Concentration (mg/kg) for Metals/PAHs/VOCs				NR 720 RCL (mg/kg)		
Sample ID	EB-1	EB-2	EB-3	EB-4	Soil to Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact
Sample Depth (ft bgs)	3.5-4	3.5-4	3.5-4	3.5-4			
Sample Date	12/18/01	12/18/01	12/18/01	12/18/01			
Metals							
Cadmium	*2.42*	0.705	*0.88*	*6.72*	*0.752*	71.1	**985**
Chromium[2]	26.1	20.0	34.8	72.8	*360000*	100000	**100000**
Polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8310							
Acenaphthene	<0.0513	0.208	1.37	0.006	NS	3590	**45200**
Acenaphthylene	<0.072	<0.287	<0.701	<0.00713	NS	NS	NS
Anthracene	0.119	0.21	6.79	<0.00108	*196.9492*	17900	**100000**
Benzo(a)Anthracene	0.105	0.331	15.8	0.0234	NS	1.14	**20.8**
Benzo(a)Pyrene	0.0391	<0.1	**13.5**	0.00734	*0.47*	0.115	**2.11**
Benzo(b)Fluoranthene	0.0684	0.226	17.6	0.0249	*0.4781*	1.15	**21.1**
Benzo(ghi)Perylene	0.0406	<0.126	5.42	0.0148	NS	NS	NS
Benzo(k)Fluoranthene	<0.0229	<0.0914	11.5	<0.00227	NS	11.5	**211**
Chrysene	*0.154*	*0.54*	*18.5*	0.0353	*0.1442*	115	**2110**
Dibenzo(a,h)Anthracene	<0.0153	<0.0609	**2.86**	<0.00151	NS	0.115	**2.11**
Fluoranthene	0.308	0.343	26.0	0.0432	*88.8778*	2390	**30100**
Fluorene	0.0663	<0.0871	2.96	0.0162	*14.8299*	2390	**30100**
Indeno(1,2,3-cd)Pyrene	<0.0174	<0.0696	6.50	0.0129	NS	1.15	**21.1**
1-Methyl Naphthalene	<0.0382	0.407	1.30	0.0247	NS	17.6	**72.7**
2-Methyl Naphthalene	<0.0447	0.461	1.80	0.0292	NS	239	**3010**
Naphthalene[3]	0.032	0.201	*1.58*	0.0183	*0.6582*	5.52	**24.1**
Phenanthrene	0.361	0.645	17.5	0.072	NS	NS	NS
Pyrene	0.241	0.517	27.8	0.0492	*54.5455*	1790	**22600**
Detected volatile organic compounds (VOCs) by EPA Method 8021							
n-Butylbenzene	<0.025	0.718	<0.025	0.0687	NS	108	**108**
sec-Butylbenzene	<0.025	0.498	<0.025	<0.025	NS	145	**145**
1,1-Dichloroethane	<0.025	*0.61*	0.0535	<0.025	*0.4834*	5.06	**22.2**
Ethylbenzene	<0.025	0.0532	<0.025	<0.025	*1.57*	8.02	**35.4**
p-Isopropyltoluene	<0.025	0.51	<0.025	0.0488	NS	162	**162**
Methylene Chloride [4]	<0.025	<0.025	<0.025	<0.025	*0.0026*	61.8	**1150**
Naphthalene [5]	<0.025	*1.04*	0.178	0.327	*0.6582*	5.52	**24.1**
n-Propylbenzene	<0.025	0.103	<0.025	<0.025	NS	264	**264**
Tetrachloroethylene	<0.025	*0.0306*	*0.142*	<0.025	*0.0045*	33	**145**
Toluene	<0.025	0.155	<0.025	0.0283	*1.1072*	818	**818**
1,1,1-Trichloroethane	<0.025	*0.227*	0.134	0.126	*0.1402*	640	**640**
Trichloroethylene	<0.025	<0.025	*0.191*	*0.0745*	*0.0036*	1.3	**8.41**
Trichlorofluoromethane	<0.025	<0.025	<0.025	0.041	*4.4775*	1230	**1230**
1,2,4-Trimethylbenzene	<0.025	0.957	<0.025	<0.025	NS	219	**219**
1,3,5-Trimethylbenzene	<0.025	0.42	<0.025	<0.025	NS	182	**182**
TMBs combined	<0.050	1.377	<0.050	<0.050	*1.3787*	NS	NS
Xylenes	<0.050	0.361	<0.050	<0.050	*3.96*	260	**260**
Shallow Soil (Industrial) Multiple Contaminant Cumulative[6]							
Cancer Risk (CCR)	2.8E-08	1.0E-07	9.8E-06	3.0E-08	NR 720.12 CCR Threshold=1E-5		
Hazard Index (HI)	0.0027	0.0022	0.073	0.0101	NR 720.12 HI Threshold=1		

TABLE 4[1]

LOADING DOCK AREA RESIDUAL SOIL ANALYTICAL RESULTS (DECEMBER 2001 AND JUNE 2009)

Group/Substance/CCR-HI	Concentration (mg/kg) for Metals/PAHs/VOCs				NR 720 RCL (mg/kg)		
Sample ID	EB-5	EB-6	PB-1	PB-2	Soil to Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact
Sample Depth (ft bgs)	3.5-4	3.5-4	0-0.5	0-0.5			
Sample Date	12/18/01	12/18/01	12/19/01	12/19/01			
Metals							
Cadmium	*1.46*	*16.4*	0.107	0.103	*0.752*	71.1	**985**
Chromium[2]	46.2	188	19.1	18.3	*360000*	100000	**100000**
Polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8310							
Acenaphthene	1.10	<0.0504	<0.0504	0.0125	NS	3590	**45200**
Acenaphthylene	<0.693	<0.0708	<0.0708	<0.0072	NS	NS	NS
Anthracene	3.48	<0.0107	0.0575	0.0425	*196.9492*	17900	**100000**
Benzo(a)Anthracene	3.82	<0.044	0.144	0.0556	NS	1.14	**20.8**
Benzo(a)Pyrene	2.10	<0.0247	0.107	0.0441	*0.47*	0.115	**2.11**
Benzo(b)Fluoranthene	2.84	<0.0225	0.163	0.0641	*0.4781*	1.15	**21.1**
Benzo(ghi)Perylene	1.05	<0.0311	0.0542	0.0218	NS	NS	NS
Benzo(k)Fluoranthene	1.09	<0.0225	0.114	0.0541	NS	11.5	**211**
Chrysene	*1.91*	<0.0247	*0.188*	0.0866	*0.1442*	115	**2110**
Dibenzo(a,h)Anthracene	0.508	<0.015	0.0594	0.011	NS	0.115	**2.11**
Fluoranthene	8.75	0.0334	0.335	0.118	*88.8778*	2390	**30100**
Fluorene	1.93	<0.0215	0.0253	0.019	*14.8299*	2390	**30100**
Indeno(1,2,3-cd)Pyrene	1.16	<0.0172	0.0983	0.0369	NS	1.15	**21.1**
1-Methyl Naphthalene	1.53	<0.0376	<0.0376	0.0126	NS	17.6	**72.7**
2-Methyl Naphthalene	1.86	<0.044	<0.044	0.0161	NS	239	**3010**
Naphthalene[3]	*1.23*	<0.0172	<0.0172	0.00835	*0.6582*	5.52	**24.1**
Phenanthrene	6.71	0.0309	0.223	0.119	NS	NS	NS
Pyrene	7.88	0.0327	0.273	0.105	*54.5455*	1790	**22600**
Detected volatile organic compounds (VOCs) by EPA Method 8021							
n-Butylbenzene	<0.025	<0.025	<0.025	<0.025	NS	108	**108**
sec-Butylbenzene	<0.025	<0.025	<0.025	<0.025	NS	145	**145**
1,1-Dichloroethane	<0.025	<0.025	<0.025	<0.025	*0.4834*	5.06	**22.2**
Ethylbenzene	<0.025	<0.025	<0.025	<0.025	*1.57*	8.02	**35.4**
p-Isopropyltoluene	<0.025	<0.025	<0.025	<0.025	NS	162	**162**
Methylene Chloride [4]	<0.025	<0.025	<0.025	<0.025	*0.0026*	61.8	**1150**
Naphthalene [5]	*1.88*	<0.025	<0.025	<0.025	*0.6582*	5.52	**24.1**
n-Propylbenzene	<0.025	<0.025	<0.025	<0.025	NS	264	**264**
Tetrachloroethylene	<0.025	<0.025	<0.025	<0.025	*0.0045*	33	**145**
Toluene	0.0677	<0.025	<0.025	<0.025	*1.1072*	818	**818**
1,1,1-Trichloroethane	*0.174*	<0.025	<0.025	<0.025	*0.1402*	640	**640**
Trichloroethylene	<0.025	<0.025	<0.025	<0.025	*0.0036*	1.3	**8.41**
Trichlorofluoromethane	<0.025	<0.025	<0.025	<0.025	*4.4775*	1230	**1230**
1,2,4-Trimethylbenzene	0.035	<0.025	<0.025	<0.025	NS	219	**219**
1,3,5-Trimethylbenzene	<0.025	<0.025	<0.025	<0.025	NS	182	**182**
TMBs combined	<0.060	<0.050	<0.050	<0.050	*1.3787*	NS	NS
Xylenes	<0.0533	<0.050	<0.050	<0.050	*3.96*	260	**260**
Shallow Soil (Industrial) Multiple Contaminant Cumulative[6]							
Cancer Risk (CCR)	1.7E-06	1.5E-09	9.9E-08	3.4E-08	NR 720.12 CCR Threshold=1E-5		
Hazard Index (HI)	0.0146	0.0167	0.0005	0.0002	NR 720.12 HI Threshold=1		

TABLE 4[1]

LOADING DOCK AREA RESIDUAL SOIL ANALYTICAL RESULTS (DECEMBER 2001 AND JUNE 2009)

Group/Substance/CCR-HI	Concentration (mg/kg) for Metals/PAHs/VOCs				NR 720 RCL (mg/kg)		
Sample ID	PB-3	PB-4	PB-5	PB-6	Soil to Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact
Sample Depth (ft bgs)	0-0.5	0-0.5	0-0.5	0-0.5			
Sample Date	12/19/01	12/19/01	12/19/01	12/19/01			
Metals							
Cadmium	0.0766	0.352	*11.3*	0.297	*0.752*	71.1	**985**
Chromium[2]	16.1	18.0	74.7	20.5	*360000*	100000	**100000**
Polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8310							
Acenaphthene	0.0402	<0.00502	0.179	<0.00505	NS	3590	**45200**
Acenaphthylene	<0.00702	<0.00704	<0.0705	<0.0071	NS	NS	NS
Anthracene	0.118	0.00744	0.412	0.0091	*196.9492*	17900	**100000**
Benzo(a)Anthracene	0.148	0.0203	0.474	0.0219	NS	1.14	**20.8**
Benzo(a)Pyrene	0.126	0.016	0.286	0.0283	*0.47*	0.115	**2.11**
Benzo(b)Fluoranthene	0.141	0.0252	*0.489*	0.0284	*0.4781*	1.15	**21.1**
Benzo(ghi)Perylene	0.0497	0.0108	0.143	0.0108	NS	NS	NS
Benzo(k)Fluoranthene	0.104	0.0199	0.275	0.0172	NS	11.5	**211**
Chrysene	*0.193*	0.0307	*0.635*	0.0351	*0.1442*	115	**2110**
Dibenzo(a,h)Anthracene	0.023	0.00343	0.151	0.0043	NS	0.115	**2.11**
Fluoranthene	0.384	0.0443	1.38	0.0487	*88.8778*	2390	**30100**
Fluorene	0.0652	0.00398	0.212	0.0066	*14.8299*	2390	**30100**
Indeno(1,2,3-cd)Pyrene	0.0848	0.022	0.241	0.0204	NS	1.15	**21.1**
1-Methyl Naphthalene	0.0283	<0.00374	0.0863	0.00463	NS	17.6	**72.7**
2-Methyl Naphthalene	0.032	<0.00438	0.105	0.00466	NS	239	**3010**
Naphthalene[3]	0.0331	0.00248	0.0663	0.00441	*0.6582*	5.52	**24.1**
Phenanthrene	0.409	0.00287	1.43	0.0392	NS	NS	NS
Pyrene	0.31	0.0385	1.05	0.0424	*54.5455*	1790	**22600**
Detected volatile organic compounds (VOCs) by EPA Method 8021							
n-Butylbenzene	<0.025	<0.025	0.153	<0.025	NS	108	**108**
sec-Butylbenzene	<0.025	<0.025	<0.025	<0.025	NS	145	**145**
1,1-Dichloroethane	<0.025	<0.025	0.113	<0.025	*0.4834*	5.06	**22.2**
Ethylbenzene	<0.025	<0.025	<0.025	<0.025	*1.57*	8.02	**35.4**
p-Isopropyltoluene	<0.025	<0.025	0.0958	<0.025	NS	162	**162**
Methylene Chloride [4]	*0.0272*	<0.025	<0.025	<0.025	*0.0026*	61.8	**1150**
Naphthalene [5]	0.0616	<0.025	0.161	0.0291	*0.6582*	5.52	**24.1**
n-Propylbenzene	<0.025	<0.025	<0.025	<0.025	NS	264	**264**
Tetrachloroethylene	<0.025	<0.025	*0.0682*	<0.025	*0.0045*	33	**145**
Toluene	<0.025	<0.025	<0.025	<0.025	*1.1072*	818	**818**
1,1,1-Trichloroethane	<0.025	<0.025	0.0499	<0.025	*0.1402*	640	**640**
Trichloroethylene	<0.025	<0.025	*0.233*	<0.025	*0.0036*	1.3	**8.41**
Trichlorofluoromethane	0.0834	<0.025	<0.025	<0.025	*4.4775*	1230	**1230**
1,2,4-Trimethylbenzene	0.0414	<0.025	0.0972	<0.025	NS	219	**219**
1,3,5-Trimethylbenzene	<0.025	<0.025	0.0768	<0.025	NS	182	**182**
TMBs combined	<0.0664	<0.050	0.1740	<0.050	*1.3787*	NS	NS
Xylenes	<0.050	<0.050	<0.050	<0.050	*3.96*	260	**260**
Shallow Soil (Industrial) Multiple Contaminant Cumulative[6]							
Cancer Risk (CCR)	9.2E-08	1.3E-08	3.1E-07	2.0E-08	NR 720.12 CCR Threshold=1E-5		
Hazard Index (HI)	0.0007	0.0001	0.022	0.0002	NR 720.12 HI Threshold=1		

TABLE 4[1]

LOADING DOCK AREA RESIDUAL SOIL ANALYTICAL RESULTS (DECEMBER 2001 AND JUNE 2009)

Group/Substance/CCR-HI	Concentration (mg/kg) for Metals/PAHs/VOCs				NR 720 RCL (mg/kg)		
Sample ID	PB-7	SS-1	SS-2	SS-3	Soil to Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact
Sample Depth (ft bgs)	0-0.5	1-3	1-3	1-3			
Sample Date	12/19/01	12/18/01	12/18/01	12/18/01			
Metals							
Cadmium	0.433	*1.41*	*2.97*	*1.75*	*0.752*	71.1	**985**
Chromium[2]	18.8	55.7	120	115	*360000*	100000	**100000**
Polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8310							
Acenaphthene	0.0175	5.74	1.57	3.47	NS	3590	**45200**
Acenaphthylene	<0.00714	<3.27	<0.775	<4.77	NS	NS	NS
Anthracene	0.0432	4.53	<0.117	3.27	*196.9492*	17900	**100000**
Benzo(a)Anthracene	0.0848	4.26	1.35	4.54	NS	1.14	**20.8**
Benzo(a)Pyrene	0.0680	1.27	<0.27	<1.66	*0.47*	0.115	**2.11**
Benzo(b)Fluoranthene	0.116	5.47	<0.246	2.19	*0.4781*	1.15	**21.1**
Benzo(ghi)Perylene	0.0498	3.02	<0.34	<2.10	NS	NS	NS
Benzo(k)Fluoranthene	<0.00227	<1.04	<0.246	<1.52	NS	11.5	**211**
Chrysene	0.0434	<1.14	*3.96*	*11.9*	*0.1442*	115	**2110**
Dibenzo(a,h)Anthracene	0.0142	<0.693	<0.164	<1.01	NS	0.115	**2.11**
Fluoranthene	0.247	2.57	1.02	2.77	*88.8778*	2390	**30100**
Fluorene	<0.00216	7.35	1.88	2.94	*14.8299*	2390	**30100**
Indeno(1,2,3-cd)Pyrene	0.0629	1.66	<0.188	1.87	NS	1.15	**21.1**
1-Methyl Naphthalene	0.0225	17.7	4.37	7.59	NS	17.6	**72.7**
2-Methyl Naphthalene	0.0443	24.5	5.96	9.28	NS	239	**3010**
Naphthalene[3]	0.0415	14.1	*3.76*	*5.07*	*0.6582*	5.52	**24.1**
Phenanthrene	0.21	15.1	4.52	8.88	NS	NS	NS
Pyrene	0.206	4.75	1.76	8.37	*54.5455*	1790	**22600**
Detected volatile organic compounds (VOCs) by EPA Method 8021							
n-Butylbenzene	<0.025	3.15	<5.68	<2.00	NS	108	**108**
sec-Butylbenzene	<0.025	<2.38	<5.68	<2.00	NS	145	**145**
1,1-Dichloroethane	<0.025	15.5	<5.68	<2.00	*0.4834*	5.06	**22.2**
Ethylbenzene	<0.025	<2.38	<5.68	<2.00	*1.57*	8.02	**35.4**
p-Isopropyltoluene	<0.025	<2.38	<5.68	<2.00	NS	162	**162**
Methylene Chloride [4]	<0.025	<0.025	<0.025	<0.025	*0.0026*	61.8	**1150**
Naphthalene [5]	0.0365	14.3	8.63	*3.38*	*0.6582*	5.52	**24.1**
n-Propylbenzene	<0.025	<2.38	<5.68	<2.00	NS	264	**264**
Tetrachloroethylene	<0.025	<2.38	<5.68	<2.00	*0.0045*	33	**145**
Toluene	<0.025	*5.09*	<5.68	*2.61*	*1.1072*	818	**818**
1,1,1-Trichloroethane	<0.025	*123*	*132*	*10.7*	*0.1402*	640	**640**
Trichloroethylene	<0.025	<2.38	<5.68	<2.00	*0.0036*	1.3	**8.41**
Trichlorofluoromethane	<0.025	<0.025	<0.025	<0.025	*4.4775*	1230	**1230**
1,2,4-Trimethylbenzene	<0.025	6.94	<5.68	<2.00	NS	219	**219**
1,3,5-Trimethylbenzene	<0.025	<2.38	<5.68	<2.00	NS	182	**182**
TMBs combined	<0.050	<9.32	<11.36	<4.00	*1.3787*	NS	NS
Xylenes	<0.050	<6.89	<11.36	<4.00	*3.96*	260	**260**
Shallow Soil (Industrial) Multiple Contaminant Cumulative[6]							
Cancer Risk (CCR)	5.4E-08	2.7E-06	4.9E-07	7.3E-07	NR 720.12 CCR Threshold=1E-5		
Hazard Index (HI)	0.0004	0.0391	0.0183	0.012	NR 720.12 HI Threshold=1		

TABLE 4[1]

LOADING DOCK AREA RESIDUAL SOIL ANALYTICAL RESULTS (DECEMBER 2001 AND JUNE 2009)

Group/Substance/CCR-HI	Concentration (mg/kg) for Metals/PAHs/VOCs				NR 720 RCL (mg/kg)		
Sample ID	SS-4	SS-5	SS-6	SS-7	Soil to Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact
Sample Depth (ft bgs)	1-3	1-3	1-3	1-3			
Sample Date	12/18/01	12/18/01	12/18/01	12/18/01			
Metals							
Cadmium	*3.63*	0.663	*1.93*	*12.2*	*0.752*	71.1	**985**
Chromium[2]	55.7	21.0	45.3	133	*360000*	100000	**100000**
Polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8310							
Acenaphthene	<0.00516	0.142	<0.0486	<0.00509	NS	3590	**45200**
Acenaphthylene	<0.00724	0.19	<0.0683	<0.00715	NS	NS	NS
Anthracene	0.00656	0.0909	0.863	0.00314	*196.9492*	17900	**100000**
Benzo(a)Anthracene	0.015	<0.00426	<0.0424	<0.00444	NS	1.14	**20.8**
Benzo(a)Pyrene	0.00619	<0.00239	<0.0238	0.00369	*0.47*	0.115	**2.11**
Benzo(b)Fluoranthene	0.0145	<0.00218	<0.0217	0.00843	*0.4781*	1.15	**21.1**
Benzo(ghi)Perylene	0.00622	<0.00301	<0.03	<0.00314	NS	NS	NS
Benzo(k)Fluoranthene	0.0217	<0.00218	<0.0217	0.00544	NS	11.5	**211**
Chrysene	0.0214	<0.00239	<0.0238	<0.00249	*0.1442*	115	**2110**
Dibenzo(a,h)Anthracene	0.00156	<0.00146	<0.0145	<0.00152	NS	0.115	**2.11**
Fluoranthene	0.039	0.114	0.508	0.017	*88.8778*	2390	**30100**
Fluorene	<0.0022	<0.00208	1.03	<0.00217	*14.8299*	2390	**30100**
Indeno(1,2,3-cd)Pyrene	0.00591	0.0921	<0.0165	0.00714	NS	1.15	**21.1**
1-Methyl Naphthalene	<0.00384	0.193	2.29	<0.00379	NS	17.6	**72.7**
2-Methyl Naphthalene	<0.0045	0.263	3.74	<0.00444	NS	239	**3010**
Naphthalene[3]	0.00199	0.144	*2.06*	0.00252	*0.6582*	5.52	**24.1**
Phenanthrene	0.0255	0.273	2.60	0.0153	NS	NS	NS
Pyrene	0.0303	0.147	0.922	0.0134	*54.5455*	1790	**22600**
Detected volatile organic compounds (VOCs) by EPA Method 8021							
n-Butylbenzene	<0.025	<0.025	1.20	<0.025	NS	108	**108**
sec-Butylbenzene	<0.025	<0.025	<0.1	<0.025	NS	145	**145**
1,1-Dichloroethane	<0.025	<0.025	*1.03*	<0.025	*0.4834*	5.06	**22.2**
Ethylbenzene	<0.025	<0.025	0.244	<0.025	*1.57*	8.02	**35.4**
p-Isopropyltoluene	<0.025	<0.025	1.17	<0.025	NS	162	**162**
Methylene Chloride [4]	<0.025	<0.025	<0.025	<0.025	*0.0026*	61.8	**1150**
Naphthalene [5]	<0.025	<0.025	*2.34*	<0.025	*0.6582*	5.52	**24.1**
n-Propylbenzene	<0.025	<0.025	0.241	<0.025	NS	264	**264**
Tetrachloroethylene	<0.025	<0.025	<0.1	<0.025	*0.0045*	33	**145**
Toluene	<0.025	<0.025	*1.28*	<0.025	*1.1072*	818	**818**
1,1,1-Trichloroethane	<0.025	<0.025	*0.718*	<0.025	*0.1402*	640	**640**
Trichloroethylene	<0.025	<0.025	<0.1	<0.025	*0.0036*	1.3	**8.41**
Trichlorofluoromethane	<0.025	<0.025	<0.025	<0.025	*4.4775*	1230	**1230**
1,2,4-Trimethylbenzene	<0.025	<0.025	2.40	<0.025	NS	219	**219**
1,3,5-Trimethylbenzene	<0.025	<0.025	0.906	<0.025	NS	182	**182**
TMBs combined	<0.050	<0.050	*3.306*	<0.050	*1.3787*	NS	NS
Xylenes	<0.050	<0.050	0.972	<0.050	*3.96*	260	**260**
Shallow Soil (Industrial) Multiple Contaminant Cumulative[6]							
Cancer Risk (CCR)	5.9E-09	1.3E-08	1.8E-07	3.8E-09	NR 720.12 CCR Threshold=1E-5		
Hazard Index (HI)	0.0037	0.0003	0.008	0.0124	NR 720.12 HI Threshold=1		

TABLE 4[1]

LOADING DOCK AREA RESIDUAL SOIL ANALYTICAL RESULTS (DECEMBER 2001 AND JUNE 2009)

Group/Substance/CCR-HI	Concentration (mg/kg) for Metals/PAHs/VOCs				NR 720 RCL (mg/kg)		
Sample ID	SS-8	SS-9	SB-1	SB-1	Soil to Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact
Sample Depth (ft bgs)	1-3	1-3	1-2	3-4			
Sample Date	12/18/01	12/18/01	06/10/09 RQ	06/10/09 RQ			
Metals							
Cadmium	*16.6*	*1.42*	--	--	*0.752*	71.1	**985**
Chromium[2]	180	26.1	--	--	*360000*	100000	**100000**
Polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8310							
Acenaphthene	<0.00496	<0.0505	<0.0515	<0.0491	NS	3590	**45200**
Acenaphthylene	<0.00696	<0.0709	<0.0724	<0.0690	NS	NS	NS
Anthracene	0.0115	0.13	<0.0351	<0.0334	*196.9492*	17900	**100000**
Benzo(a)Anthracene	0.0137	0.187	0.0707 J	<0.0428	NS	1.14	**20.8**
Benzo(a)Pyrene	0.00712	0.0835	0.0779 J	<0.0240	*0.47*	0.115	**2.11**
Benzo(b)Fluoranthene	0.0118	0.13	0.0994	<0.0219	*0.4781*	1.15	**21.1**
Benzo(ghi)Perylene	0.00681	0.0491	0.0557 J	<0.0303	NS	NS	NS
Benzo(k)Fluoranthene	<0.00222	0.0408	0.0496 J	<0.0418	NS	11.5	**211**
Chrysene	0.0214	*0.238*	0.102	<0.0240	*0.1442*	115	**2110**
Dibenzo(a,h)Anthracene	<0.00148	<0.015	<0.0296	<0.0282	NS	0.115	**2.11**
Fluoranthene	0.0432	0.533	0.216	<0.0272	*88.8778*	2390	**30100**
Fluorene	0.00691	0.0525	<0.0362	<0.0345	*14.8299*	2390	**30100**
Indeno(1,2,3-cd)Pyrene	<0.00169	0.0306	0.0672 J	<0.0230	NS	1.15	**21.1**
1-Methyl Naphthalene	0.00392	<0.0376	<0.0406 L	<0.0387 L	NS	17.6	**72.7**
2-Methyl Naphthalene	0.00564	<0.044	<0.0450 L	<0.0428 L	NS	239	**3010**
Naphthalene[3]	0.00467	0.0286	<0.0504 L	<0.0481	*0.6582*	5.52	**24.1**
Phenanthrene	0.00472	0.359	0.159	<0.0428	NS	NS	NS
Pyrene	0.0304	0.398	0.257	<0.0295	*54.5455*	1790	**22600**
Detected volatile organic compounds (VOCs) by EPA Method 8021							
n-Butylbenzene	<0.025	0.0272	--	--	NS	108	**108**
sec-Butylbenzene	<0.025	<0.025	--	--	NS	145	**145**
1,1-Dichloroethane	<0.025	<0.025	<0.0318	<0.0336	*0.4834*	5.06	**22.2**
Ethylbenzene	<0.025	0.048	--	--	*1.57*	8.02	**35.4**
p-Isopropyltoluene	<0.025	<0.025	--	--	NS	162	**162**
Methylene Chloride [4]	<0.025	<0.025	--	--	*0.0026*	61.8	**1150**
Naphthalene [5]	<0.025	0.051	--	--	*0.6582*	5.52	**24.1**
n-Propylbenzene	<0.025	<0.025	--	--	NS	264	**264**
Tetrachloroethylene	<0.025	<0.025	<0.0297	<0.0314	*0.0045*	33	**145**
Toluene	<0.025	0.0813	<0.0435	<0.0459	*1.1072*	818	**818**
1,1,1-Trichloroethane	<0.025	<0.025	<0.023	<0.0235	*0.1402*	640	**640**
Trichloroethylene	<0.025	<0.025	<0.0307	<0.0325	*0.0036*	1.3	**8.41**
Trichlorofluoromethane	<0.025	<0.025	--	--	*4.4775*	1230	**1230**
1,2,4-Trimethylbenzene	<0.025	<0.025	--	--	NS	219	**219**
1,3,5-Trimethylbenzene	<0.025	<0.025	--	--	NS	182	**182**
TMBs combined	<0.050	<0.050	--	--	*1.3787*	NS	NS
Xylenes	<0.050	<0.0691	<0.106	<0.112	*3.96*	260	**260**
Shallow Soil (Industrial) Multiple Contaminant Cumulative[6]							
Cancer Risk (CCR)	6.4E-09	6.0E-08	4.8E-08	--	NR 720.12 CCR Threshold=1E-5		
Hazard Index (HI)	0.0169	0.0019	0.0004	--	NR 720.12 HI Threshold=1		

TABLE 4[(1)]

LOADING DOCK AREA RESIDUAL SOIL ANALYTICAL RESULTS (DECEMBER 2001 AND JUNE 2009)

NOTES:
Concentrations and NR 720 RCLs are in milligrams per kilogram (mg/kg) on a dry-weight basis.
Detected concentrations at or above an applicable NR 720 industrial direct contact RCL are in bold, red font.
Detected concentrations at or above an applicable NR 720 residential direct contact RCL are in red font.
Detected concentrations at or above an applicable NR 720 soil to groundwater pathway RCL are italicized.
NR 720 residual contaminant level (RCL) concentrations from WDNR's RR Program Soil RCL Excel workbook updated December 2018.
Sample depths are in feet below ground surface (ft bgs) at the time of collection.
EB = Excavation base sample.
J = Estimated concentration below laboratory quantitation level.
L = Laboratory control sample exhibited a low bias. Sample results may also be biased low.
NS = No standard.
PB = Pile base sample collected from residual at former location of stockpiled impacted soil after it was hauled away for disposal.
RQ = Results qualifier.
SS = Sidewall sample.
TMBs (combined) = Trimethylbenzenes (1,2,4- and 1,3,5- combined).
-- = Not applicable and/or negligible for CCR and/or HI levels, as shown.

FOOTNOTES:
(1) Revised in August 2019 to show December 2018 NR 720 RCLs.
(2) Sample concentrations and the Soil to GW RCL are for total chromium; the direct contact RCLs are for trivalent chromium.
(3) See VOC group results for naphthalene concentration measured using EPA Method 8021 for VOCs. If naphthalene was detected using both methods, then the maximum of the two detected concentrations was used to compute CCR and HI levels.
(4) Likely a laboratory contaminant.
(5) See PAH group results for naphthalene concentration measured using EPA Method 8310 for PAHs. If naphthalene was detected using both methods, then the maximum of the two detected concentrations was used to compute CCR and HI levels.
(6) Industrial multiple contaminant cumulative cancer risk (CCR) and hazard index (HI) levels, if applicable (for samples within 4 feet of ground surface and based on detected concentrations only). Thresholds are 1E-5 for CCR and 1 for HI per NR 720.12(1)(b). No CCR or HI levels at or above their respective threshold were calculated.

APPENDIX F-15

LEAKING UNDERGROUND STORAGE TANK (LUST) SITE SOIL DATA

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE C-1

RESULTS FOR PRE-REMEDIAL SOIL SAMPLES COLLECTED
IN JULY AND AUGUST 1993

Sample No.	Sample Depth (ft)	PID/FID[2] (ppmv)	DRO [3] (mg/kg)
S-1	18[1]	10.3	--
S-2	18[1]	0	NA
S-3	18[1]	0	NA
S-4	18[1]	1.3	8.7
S-5	18[1]	2.0	NA
S-6	18[1]	1.2	NA
S-7	17	0	--
S-8	17	0	--
S-9	17	0	--
S-10	3	0	17
S-11	6	1.0	76
S-12	17	17.0	--
S-13	17	70.0	**670**
S-14	17	0	--
S-15	5.5	105	**3,500**
S-16	4	0	76
S-17	4	2.8	**240**
S-18	4	0.2	**430**
S-19	4	0.6	**300**
S-20	17	4.3	35
S-21	17	54.0	**630**

Table C-1 Continued ...

Sample No.	Sample Depth (ft)	PID/FID[2] (ppmv)	DRO [3] (mg/kg)
S-22	17	0	--
S-23	6	0.4	**930**
S-24	5	54.0	**16,000**
S-25	4	220	**6,300**
S-26	18	0.1	22
S-27	18	1.1	**280**
S-28	18	0	--
S-29	18	0.5	66
S-30	18	215	**14,000**
S-31	18	35.0	**2,300**
S-32	7	190	**18,000**
S-33	18	1.2	**400**
S-34	18	310	**6,500**
S-35	18	100	**3,400**
NR 720 Soil Cleanup Standard			100

NOTES:
Field screening done and results furnished by Ayres Associates.

-- = Not detected at or above the detection limit.

NA = Not analyzed.

FOOTNOTES:
(1) Sample collected beneath tank, approximate depth is 18 feet.
(2) Samples S-1 through S-6 were field-screened with a photoionization detector (PID). All other samples were screened with a flame-ionization detector (FID).
(3) Diesel range organic (DRO) results are in milligrams per kilogram (mg/kg) on a dry-weight basis. Concentrations exceeding the NR 720 soil cleanup standard are in bold text and shaded.

NATIONAL PRESTO INDUSTRIES
EAU CLAIRE, WISCONSIN

TABLE C-2

ANALYTICAL RESULTS FOR SOIL SAMPLES COLLECTED BETWEEN JANUARY 3 AND 12, 1994 (mg/kg)

Analyte	Sample I.D.												Residual Contaminant Level		
	B-2 5.0	B-2 20.0	B-3 5.0	B-3 20.0	B-6 30.0	B-6 40.0	B-7 5.0	B-7 20.0	B-8 10.0	B-8 40.0	B-9 20.0	B-9 35.0	Groundwater Pathway	Direct Contact Pathway	
														Non-Industrial	Industrial
Diesel Range Organics	9.21	<5.0	<5.0	<5.0	29.1	<5.0	**140**	<5.0	<5.0	<5.0	<5.0	<5.0	100	100	100
Acenaphthene	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0036	<0.0035	<0.0035	<0.0037	<0.0035	<0.0035	38	900	60,000
Acenaphthylene	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.150	<0.014	<0.015	<0.015	<0.014	<0.014	0.7	18	360
Anthracene	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.028	<0.0028	0.00797	0.0029	<0.0028	<0.0028	3,000	5,000	300,000
Benzo(a)Anthracene	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.015	<0.0014	<0.0015	<0.0015	<0.0014	<0.0014	17	0.088	3.9
Benzo(a)Pyrene	<0.0020	<0.0020	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	48	0.0088	0.39
Benzo(b)Fluoranthene	<0.0010	<0.0010	<0.0010	<0.0040	<0.0010	<0.0010	<0.010	<0.0010	<0.0011	<0.0011	<0.0010	<0.0010	360	0.088	3.9
Benzo(k)Fluoranthene	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.028	<0.0028	<0.0029	<0.0029	<0.0028	<0.0028	6,800	1.8	39
Benzo(ghi)Perylene	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0036	<0.0035	<0.0036	<0.0037	<0.0035	<0.0035	870	0.88	39
Chrysene	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0036	<0.0035	<0.0036	<0.0037	<0.0035	<0.0035	37	8.8	390
Dibenzo(a,h)Anthracene	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0039	<0.0038	<0.0039	<0.0040	<0.0038	<0.0038	38	0.0088	0.39
Fluoranthene	<0.0076	<0.0076	<0.0076	<0.0076	<0.0077	<0.0077	0.413	<0.0077	<0.0078	<0.0081	<0.0077	<0.0077	500	600	40,000
Fluorene	<0.0020	<0.0020	<0.0021	<0.0021	<0.0021	<0.0021	<0.021	<0.0021	<0.0082	<0.0022	<0.0021	<0.0021	100	600	40,000
Indeno(1,2,3-cd)Pyrene	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.036	<0.0035	<0.0036	<0.0037	<0.0035	<0.0035	680	0.088	3.9
1-Methyl Naphthalene	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.150	<0.014	<0.015	<0.015	<0.014	<0.014	23	1,100	70,000
2-Methyl Naphthalene	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.150	<0.014	<0.015	<0.015	<0.014	<0.014	20	600	40,000
Naphthalene	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.039	<0.0038	<0.0039	<0.0040	<0.0038	<0.0038	0.4	20	110
Phenanthrene	0.0264	<0.0017	<0.0018	<0.0018	<0.0018	<0.0018	<0.0170	<0.0018	<0.0542	<0.0019	<0.0018	<0.0018	1.8	18	390
Pyrene	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.036	<0.0035	<0.0036	<0.0037	<0.0035	<0.0035	8,700	500	30,000

NOTES:

The laboratory analytical results and residual contaminant levels (RCLs) are in milligrams/kilogram (mg/kg) on a dry-weight basis. Concentrations exceeding the NR 720 generic RCL for diesel range organics (DRO) or one or more of the three WDNR suggested RCLs for polycyclic aromatic hydrocarbons (PAHs) are in bold text and shaded.
Depth to water at the time of drilling was about 68 feet below ground surface (bgs).
Sample ID = Borehole location (e.g., B-2) and sample depth (e.g., 5.0 feet bgs).

Table C-2 Continued . . .

Analyte	Sample I.D.								Residual Contaminant Level		
	B-10 5.0	B-10 40.0	B-11 10.0	B-11 25.0	B-12 20.0	B-12 65.0	B-13 5.0	B-13 35.0	Groundwater Pathway	Direct Contact Pathway	
										Non-Industrial	Industrial
Diesel Range Organics	<5.0	<5.8	<5.0	<5.0	**967**	**2,770**	**7,060**	<5.8	100	100	100
Acenaphthene	<0.0037	<0.0035	<0.0035	<0.0035	<0.074	0.555	0.465	<0.0035	38	900	60,000
Acenaphthylene	<0.015	<0.015	<0.014	<0.014	<0.310	<0.310	<0.300	<0.015	0.7	18	360
Anthracene	<0.0029	<0.0028	<0.0028	<0.0028	0.218	<0.056	<0.058	<0.0028	3,000	5,000	300,000
Benzo(a)Anthracene	<0.0015	<0.0015	<0.0014	<0.0014	<0.029	<0.029	<0.030	<0.0015	17	0.088	3.9
Benzo(a)Pyrene	<0.0022	<0.0021	<0.0021	<0.0020	<0.042	<0.042	<0.043	<0.0021	48	0.0088	0.39
Benzo(b)Fluoranthene	<0.0011	<0.0010	<0.0010	<0.0010	<0.021	<0.021	<0.022	<0.0010	360	0.088	3.9
Benzo(k)Fluoranthene	<0.0029	<0.0028	<0.0028	<0.0028	<0.056	<0.056	<0.058	<0.0028	6,800	1.8	39
Benzo(ghi)Perylene	<0.0037	<0.0035	<0.0035	<0.0035	<0.071	<0.071	<0.073	<0.0035	870	0.88	39
Chrysene	<0.0037	<0.0035	<0.0035	<0.0035	<0.071	<0.071	<0.073	<0.0035	37	8.8	390
Dibenzo(a,h)Anthracene	<0.0040	<0.0039	<0.0038	<0.0038	<0.077	<0.077	<0.080	<0.0039	38	0.0088	0.39
Fluoranthene	<0.0081	<0.0077	<0.0077	<0.0076	<0.160	<0.160	<0.162	<0.0077	500	600	40,000
Fluorene	<0.0022	<0.0021	<0.0021	<0.0020	<0.044	1.290	0.354	<0.0021	100	600	40,000
Indeno(1,2,3-cd)Pyrene	<0.0037	<0.0035	<0.0035	<0.0035	<0.071	<0.071	<0.073	<0.0035	680	0.088	3.9
1-Methyl Naphthalene	<0.015	<0.015	<0.014	<0.014	<0.310	20.300	<0.300	<0.015	23	1,100	70,000
2-Methyl Naphthalene	<0.015	<0.015	<0.014	<0.014	<0.310	16.800	<0.300	<0.015	20	600	40,000
Naphthalene	<0.0040	<0.0039	<0.0038	<0.0038	<0.0081	**4.070**	**3.770**	<0.0039	0.4	20	110
Phenanthrene	<0.0019	<0.0018	<0.0018	<0.0017	0.726	**6.540**	**3.800**	<0.0018	1.8	18	390
Pyrene	<0.0037	<0.0035	<0.0035	<0.0035	<0.071	<0.071	<0.073	<0.0035	8,700	500	30,000

NOTES:

The laboratory analytical results and residual contaminant levels (RCLs) are in milligrams/kilogram (mg/kg) on a dry-weight basis. Concentrations exceeding the NR 720 generic RCL for diesel range organics (DRO) or one or more of the three WDNR suggested RCLs for polycyclic aromatic hydrocarbons (PAHs) are in bold text and shaded.
Depth to water at the time of drilling was about 68 feet below ground surface (bgs).
Sample ID = Borehole location (e.g., B-10) and sample depth (e.g., 5.0 feet bgs).

Table C-2 Continued . . .

Analyte	Sample I.D.												Residual Contaminant Level		
	B-14 5.0	B-14 20.0	B-14 30.0	B-14 40.0	B-15 15.0	B-15 20.0	B-16 5.0	B-16 55.0	B-17 20.0	B-17 35.0	B-17 40.0	B-17 65.0	Groundwater Pathway	Direct Contact Pathway	
														Non-Industrial	Industrial
Diesel Range Organics	**1,430**	<5.0	**4,370**	<5.0	<5.8	<5.8	**5,840**	<5.0	**3,820**	7.28	**2,840**	<5.0	100	100	100
Acenaphthene	0.341	<0.0035	0.804	<0.0035	<0.0036	<0.0036	0.563	<0.0035	0.788	<0.0035	1.040	<0.0035	38	900	60,000
Acenaphthylene	<0.150	<0.014	**3.930**	<0.014	<0.015	<0.015	<0.370	<0.014	<0.150	<0.014	<0.150	<0.014	0.7	18	3[illegible]
Anthracene	<0.028	<0.0028	<0.028	<0.028	<0.0028	<0.0028	<0.071	<0.0028	<0.028	<0.0028	<0.028	<0.0028	3,000	5,000	300,000
Benzo(a)Anthracene	<0.014	<0.0014	<0.014	<0.0014	<0.0015	<0.0015	<0.037	<0.0014	<0.014	<0.0014	<0.014	<0.0014	17	0.088	3.9
Benzo(a)Pyrene	<0.021	<0.0020	<0.021	<0.0021	<0.0021	<0.0021	<0.052	<0.0020	<0.020	<0.0021	<0.020	<0.0021	48	0.0088	0.39
Benzo(b)Fluoranthene	<0.010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.026	<0.0010	<0.010	<0.0010	<0.010	<0.0010	360	0.088	3.9
Benzo(k)Fluoranthene	<0.028	<0.0028	<0.028	<0.0028	<0.0028	<0.0028	<0.071	<0.0028	<0.028	<0.0028	<0.028	<0.0028	6,800	1.8	39
Benzo(ghi)Perylene	<0.035	<0.0035	<0.035	<0.0035	<0.0036	<0.0036	<0.089	<0.0035	<0.035	<0.0035	<0.035	<0.0035	870	0.88	39
Chrysene	<0.035	<0.0035	<0.035	<0.0035	<0.0036	<0.0036	<0.089	<0.0035	<0.035	<0.0035	<0.035	<0.0035	37	8.8	390
Dibenzo(a,h)Anthracene	<0.038	<0.0038	<0.038	<0.0038	<0.0036	<0.0036	<0.096	<0.0038	<0.038	<0.0038	<0.038	<0.0038	38	0.0088	0.39
Fluoranthene	<0.076	<0.0076	<0.076	<0.0077	<0.0078	<0.0078	0.676	<0.0076	<0.077	<0.0076	0.505	<0.0076	500	600	40,000
Fluorene	0.370	<0.0020	1.480	<0.0021	<0.0021	<0.0021	<0.052	<0.0020	<0.020	<0.0021	<0.020	<0.0021	100	600	40,000
Indeno(1,2,3-cd)Pyrene	<0.035	<0.0035	<0.035	<0.0035	<0.0036	<0.0036	<0.089	<0.0035	<0.035	<0.0035	<0.035	<0.0035	680	0.088	3.9
1-Methyl Naphthalene	1.260	<0.014	5.920	<0.014	<0.015	<0.015	<0.370	<0.014	<0.150	<0.014	<0.150	<0.014	23	1,100	70,0[illegible]
2-Methyl Naphthalene	1.160	<0.014	8.540	<0.014	<0.015	<0.015	<0.370	<0.014	<0.150	<0.014	<0.150	<0.014	20	600	40,000
Naphthalene	<0.040	<0.0038	**3.500**	<0.0038	<0.0039	<0.0039	<0.096	<0.0038	<0.038	<0.0038	<0.038	<0.0038	0.4	20	110
Phenanthrene	**2.650**	<0.0017	**5.620**	<0.0018	<0.0018	<0.0018	<0.044	<0.0017	<0.018	<0.0018	**2.690**	<0.0018	1.8	18	390
Pyrene	<0.035	<0.0035	<0.035	<0.0035	<0.0036	<0.0036	<0.089	<0.0035	<0.035	<0.0035	<0.035	<0.0035	8,700	500	30,000

NOTES:

The laboratory analytical results and residual contaminant levels (RCLs) are in milligrams/kilogram (mg/kg) on a dry-weight basis. Concentrations exceeding the NR 720 generic RCL for diesel range organics (DRO) or one or more of the three WDNR suggested RCLs for polycyclic aromatic hydrocarbons (PAHs) are in bold text and shaded.
Depth to water at the time of drilling was about 68 feet below ground surface (bgs).
Sample ID = Borehole location (e.g., B-14) and sample depth (e.g., 5.0 feet bgs).

Table C-2 Continued . . .

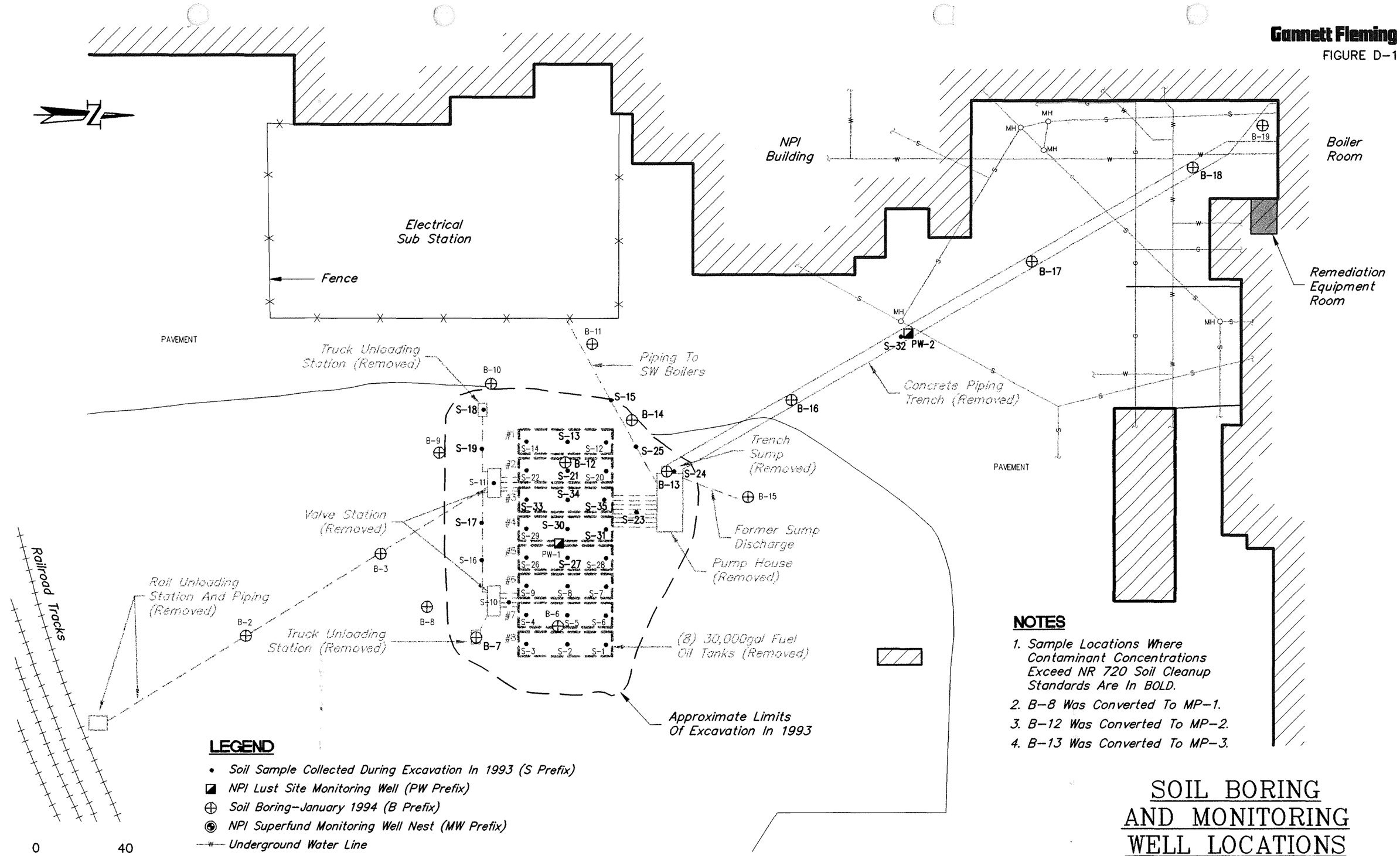
Analyte	Sample I.D.										Residual Contaminant Level		
	B-18 40.0	B-18 45.0	B-18 55.0	B-18 65.0	PW-1 30.0	PW-1 60.0	PW-1 65.0	PW-2 20.0	PW-2 60.0	PW-2 65.0	Groundwater Pathway	Direct Contact Pathway	
												Non-Industrial	Industrial
Diesel Range Organics	32.4	**5,010**	11.2	**1,470**	<5.0	<5.0	<5.0	**11,000**	<5.0	<5.0	100	100	100
Acenaphthene	<0.0035	2.740	<0.0035	1.380	<0.0035	<0.0035	<0.0036	<0.035	<0.0035	<0.0035	38	900	60,000
Acenaphthylene	<0.014	<0.150	<0.015	<0.290	<0.015	<0.015	<0.015	<0.150	<0.014	<0.014	0.7	18	360
Anthracene	<0.0027	<0.028	<0.0028	<0.055	<0.028	<0.0028	<0.0029	<0.028	<0.028	<0.0028	3,000	5,000	300,000
Benzo(a)Anthracene	<0.0014	<0.014	<0.0015	<0.029	<0.0015	<0.0015	<0.0015	<0.015	<0.014	<0.0014	17	0.088	3.9
Benzo(a)Pyrene	<0.0020	<0.021	<0.0021	<0.041	<0.0021	<0.0021	<0.0021	<0.021	<0.0021	<0.0021	48	0.0088	0.39
Benzo(b)Fluoranthene	<0.0010	<0.010	<0.0010	<0.021	<0.0010	<0.0010	<0.0011	<0.010	<0.0010	<0.0010	360	0.088	3.9
Benzo(k)Fluoranthene	<0.0027	<0.028	<0.0028	<0.055	<0.0028	<0.0028	<0.0029	<0.028	<0...28	<0.0028	6,800	1.8	39
Benzo(ghi)Perylene	<0.0035	<0.035	<0.0035	<0.070	<0.0035	<0.0035	<0.0036	<0.035	<0.0035	<0.0035	870	0.88	39
Chrysene	<0.0035	<0.035	<0.0035	<0.070	<0.0035	<0.0035	<0.0036	<0.035	<0.0035	<0.0035	37	8.8	390
Dibenzo(a,h)Anthracene	<0.0038	<0.038	<0.0039	<0.076	<0.0039	<0.0039	<0.0039	<0.039	<0.0038	<0.0038	38	0.0088	0.39
Fluoranthene	<0.0075	<0.077	<0.0077	<0.060	<0.0077	<0.0077	<0.0078	<0.077	<0.0077	<0.0076	500	600	40,000
Fluorene	<0.0020	4.240	<0.0021	2.610	<0.0021	<0.0021	<0.0022	<0.021	<0.0021	<0.0021	100	600	40,000
Indeno(1,2,3-cd)Pyrene	<0.0035	<0.035	<0.0035	<0.070	<0.0035	<0.0035	<0.0036	<0.035	<0.0035	<0.0035	680	0.088	3.9
1-Methyl Naphthalene	<0.014	**29.300**	<0.015	12.600	<0.015	<0.015	<0.015	<0.150	<0.014	<0.014	23	1,100	70,000
2-Methyl Naphthalene	<0.014	**55.200**	<0.015	**23.300**	<0.015	<0.015	<0.015	<0.150	<0.014	<0.014	20	600	40,000
Naphthalene	<0.0038	**7.300**	<0.0039	**1.580**	<0.0039	<0.0039	<0.0039	<0.039	<0.0038	<0.0038	0.4	20	110
Phenanthrene	<0.017	**14.700**	0.0267	**9.030**	<0.0018	<0.0018	<0.0018	<0.018	<0.0018	<0.0018	1.8	18	390
Pyrene	<0.0035	<0.035	<00035	<0.070	<0.0035	<0.0035	<0.0036	<0.035	<0.0035	<0.0035	8,700	500	30,000

NOTES:

The laboratory analytical results and residual contaminant levels (RCLs) are in milligrams/kilogram (mg/kg) on a dry-weight basis. Concentrations exceeding the NR 720 generic RCL for diesel range organics (DRO) or one or more of the three WDNR suggested RCLs for polycyclic aromatic hydrocarbons (PAHs) are in bold text and shaded.
Depth to water at the time of drilling was about 68 feet below ground surface (bgs).
Sample ID = Borehole location (e.g., B-18) and sample depth (e.g., 5.0 feet bgs).

Gannett Fleming

FIGURE D-1



LEGEND

- • Soil Sample Collected During Excavation In 1993 (S Prefix)
- ◪ NPI Lust Site Monitoring Well (PW Prefix)
- ⊕ Soil Boring–January 1994 (B Prefix)
- ◉ NPI Superfund Monitoring Well Nest (MW Prefix)
- —W— Underground Water Line
- —S— Underground Sanitary Sewer
- —G— Underground Gas Line

◉ MW-11A/B

NOTES

1. Sample Locations Where Contaminant Concentrations Exceed NR 720 Soil Cleanup Standards Are In BOLD.
2. B–8 Was Converted To MP–1.
3. B–12 Was Converted To MP–2.
4. B–13 Was Converted To MP–3.

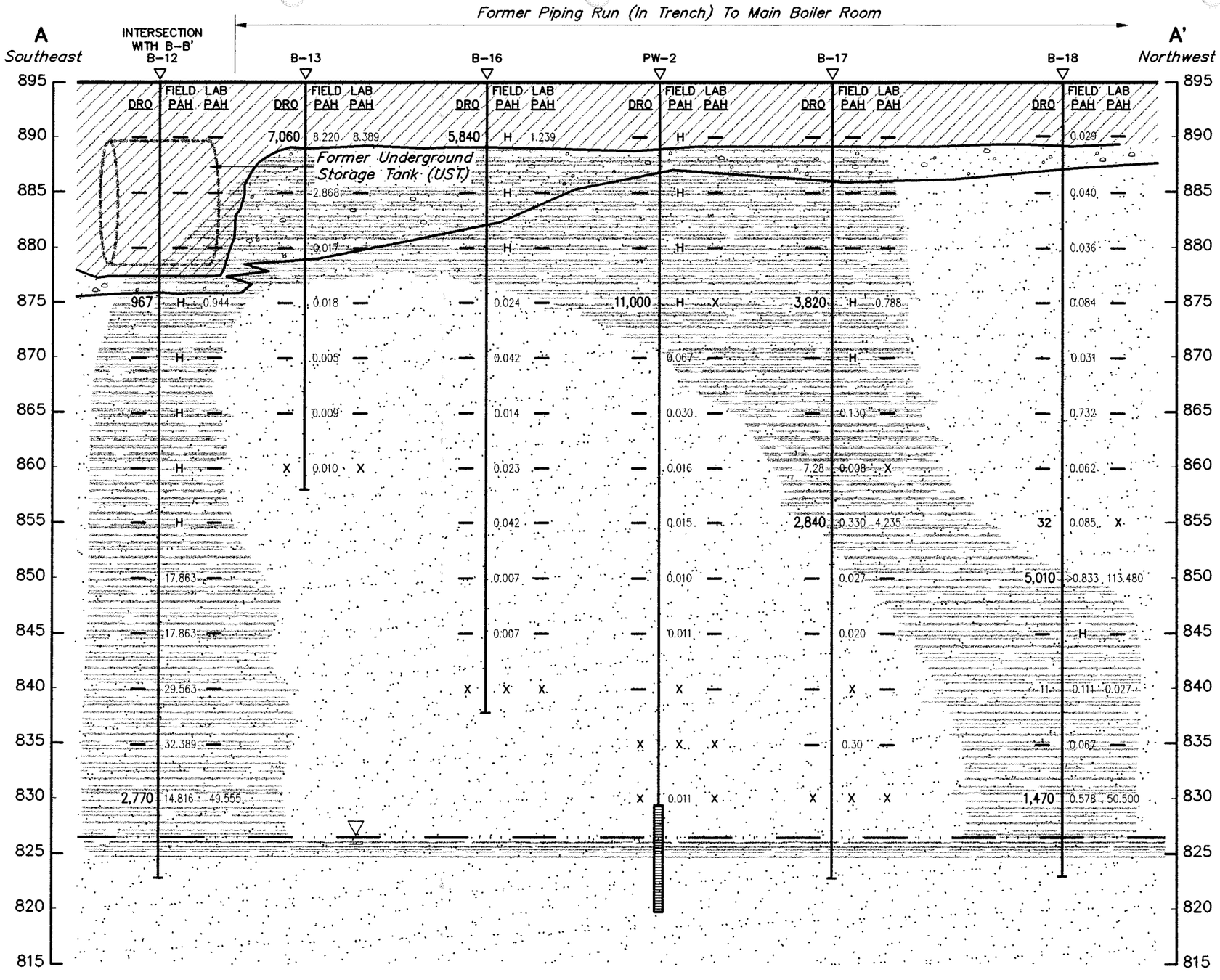
SOIL BORING AND MONITORING WELL LOCATIONS (JANUARY 1994)

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

010899
34285WB

Gannett Fleming

FIGURE E-1



LEGEND

Well Construction

- MW-1 — Well/Borehole Identification
- Well Casing
- Screened Interval

Geologic Units

- Fill
- Medium Grained Sand With Gravel
- Poorly Graded Sand With Gravel
- Estimated Extent Of Impacted Soil
- Estimated Extent Of Impacted Groundwater
- Geologic Contact
- Water Table (1/12/94)

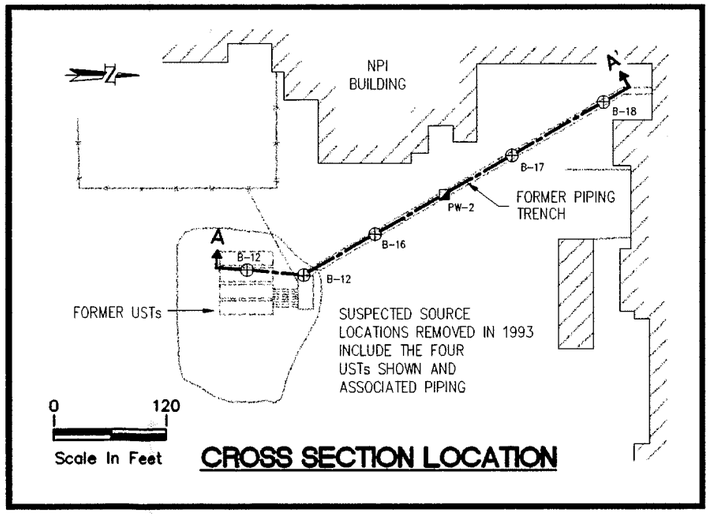
Soil Sampling Results (ppm)

DRO Concentations Which Exceed The NR 700 Generic Residual Contaminant Level Of 100 ppm Are In BOLD.

— =Not Analyzed

H =Heavily Impacted Based On Olfactory And Visual Evidence. Not Analyzed

X =Below Detection Limit



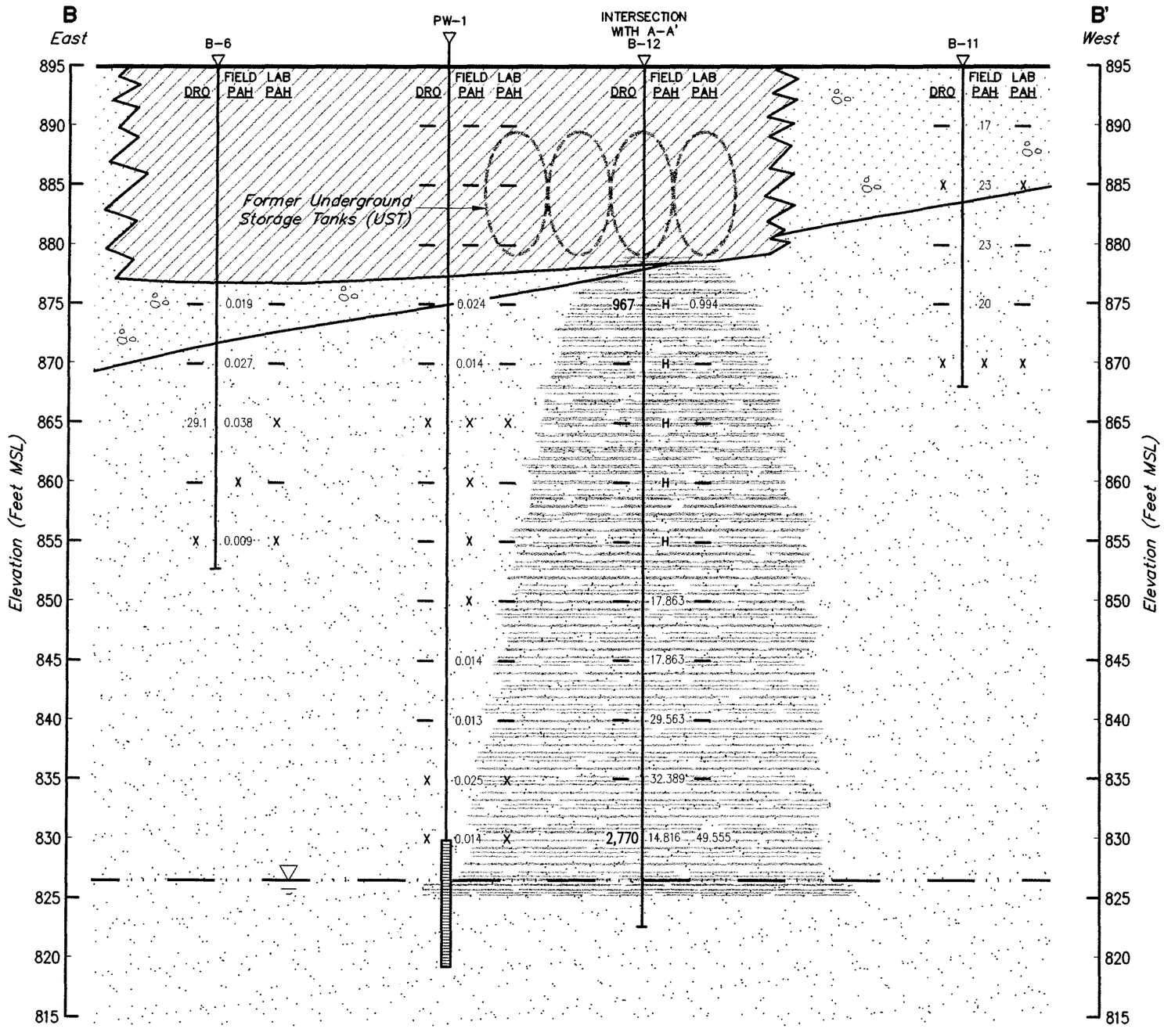
Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 10'
Vertical Exaggeration: 2x
Site Datum=Mean Sea Level (MSL)

011799
34285WD

PRE-REMEDIAL GEOLOGIC CROSS SECTION A-A'

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN



Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 10'
Vertical Exaggeration: 2x
Site Datum=Mean Sea Level (MSL)

0108898
34285WE

Gannett Fleming

FIGURE E-2

LEGEND

Well Construction

- MW-1 — Well/Borehole Identification
- Well Casing
- Screened Interval

Soil Sampling Results (ppm)

DRO Concentations Which Exceed The NR 700 Generic Residual Contaminant Level Of 100 ppm Are In BOLD.

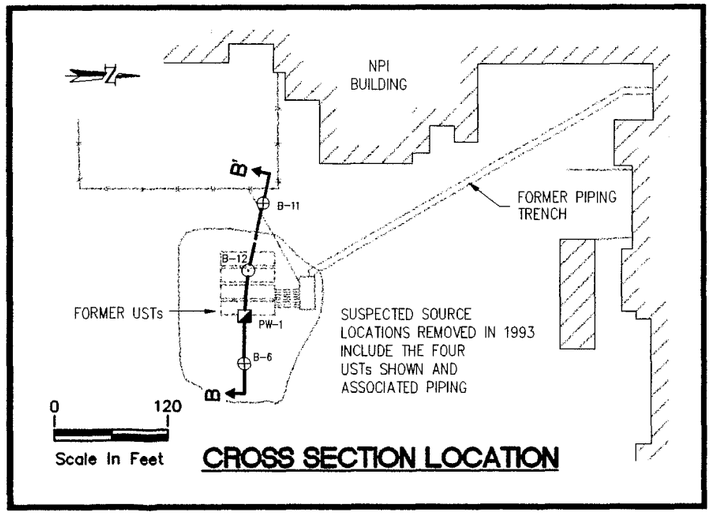
— =Not Analyzed

H =Heavily Impacted Based On Olfactory And Visual Evidence. Not Analyzed

X =Below Detection Limit

Geologic Units

- Fill
- Medium Grained Sand With Gravel
- Poorly Graded Sand With Gravel
- Estimated Extent Of Impacted Soil
- Estimated Extent Of Impacted Groundwater
- Geologic Contact
- Water Table (1/12/94)



PRE-REMEDIAL GEOLOGIC CROSS SECTION B-B'

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE F-1

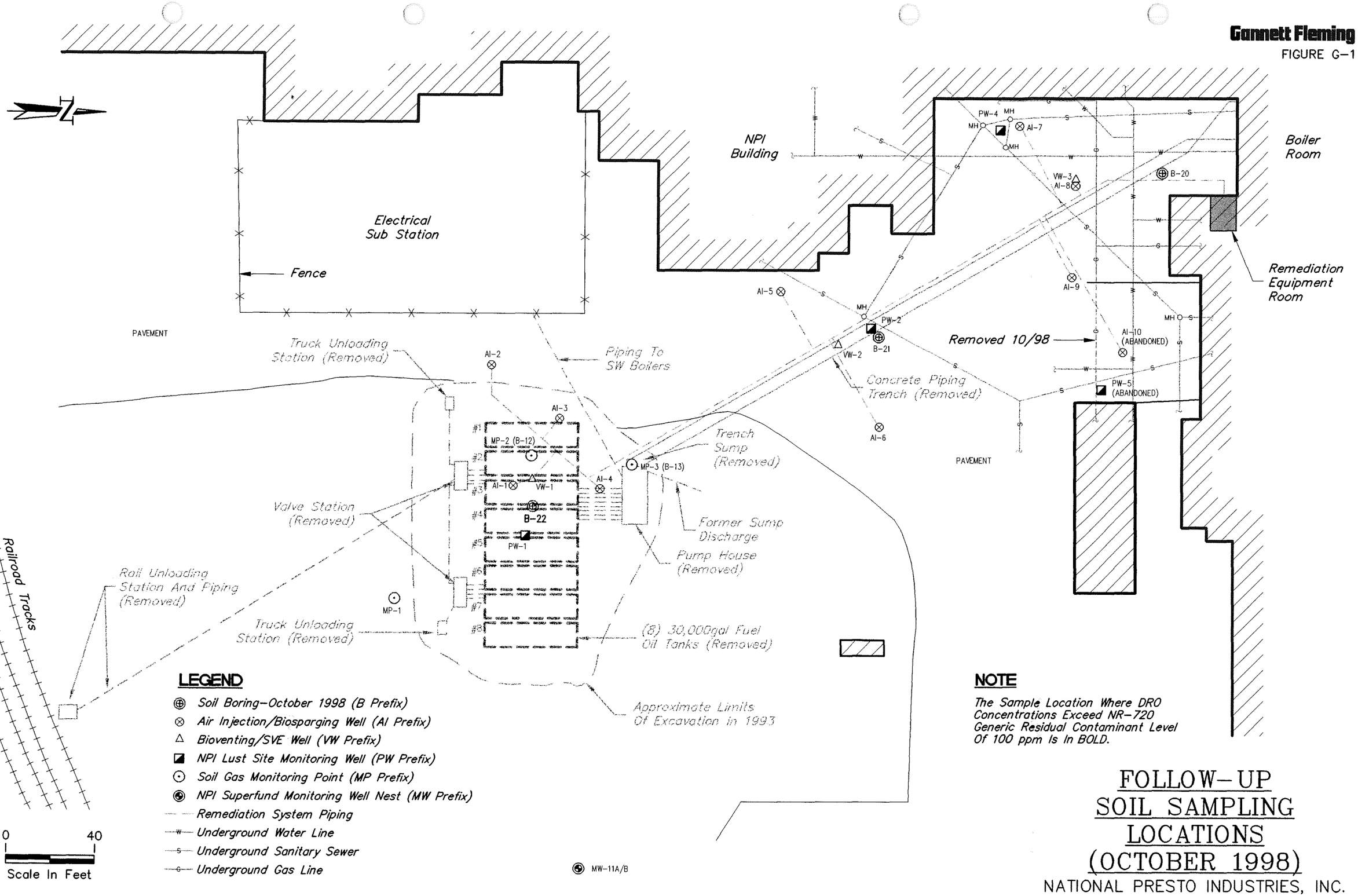
ANALYTICAL RESULTS FOR POST-REMEDIAL SOIL SAMPLES (mg/kg)

	Sample ID								Residual Contaminant Level		
	B-20		B-21		B-22				Groundwater	Direct Contact Pathway	
Analyte	50-52	65-67	50-52	65-67	5-7	25-27	30-32	65-67	Pathway	Non-Industrial	Industrial
DRO	59.3	<5.1	95.3	<5.1	13.0	**8,120**	**4,330**	<5.5	100	100	100
Acenaphthene	<0.038	<0.0038	<0.0038	<0.0038	<0.0039	<0.039	0.500	<0.004	38	900	60,000
Acenaphthylene	<0.028	<0.0028	<0.0028	<0.0028	<0.0029	<0.028	<0.0028	<0.003	0.7	18	360
Anthracene	<0.001	<0.001	0.0076	<0.001	<0.0011	<0.01	<0.001	<0.0011	3,000	5,000	300,000
Benzo(a)Anthracene	<0.0021	<0.0021	0.0239	<0.0021	<0.0021	<0.021	<0.0021	<0.0022	17	0.088	3.9
Benzo(a)Pyrene	<0.0021	<0.0021	0.0461	<0.0021	<0.0021	<0.021	<0.0021	<0.0022	48	0.0088	0.39
Benzo(b)Fluoranthene	<0.001	<0.001	0.0280	<0.001	<0.0011	<0.01	<0.001	<0.0011	360	0.088	3.9
Benzo(k)Fluoranthene	<0.001	<0.001	0.0231	<0.001	<0.0011	<0.01	<0.001	<0.0011	6,800	1.8	39
Benzo(ghi)Perylene	<0.0018	<0.0017	0.0274	<0.0018	0.0586	<0.018	<0.0018	<0.0019	870	0.88	39
Chrysene	<0.0013	<0.0013	0.0159	<0.0013	<0.0014	<0.014	<0.0013	<0.0014	37	8.8	390
Dibenzo(a,h)Anthracene	<0.0021	<0.0021	<0.0021	<0.0021	0.00424	<0.021	<0.0021	<0.0022	38	0.0088	0.39
Fluoranthene	<0.0013	<0.0013	0.099	0.00229	0.0351	0.0537	0.0112	<0.0014	500	600	40,000
Fluorene	0.00559	<0.0013	<0.0014	<0.0013	<0.0014	<0.014	<0.0013	<0.0014	100	600	40,000
Indeno(1,2,3-cd)Pyrene	<0.0013	<0.0013	0.0349	<0.0013	0.00188	<0.014	0.00314	<0.0014	680	0.088	3.9
1-Methyl Naphthalene	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.021	<0.0021	<0.0022	23	1,100	70,000
2-Methyl Naphthalene	<0.0024	<0.0024	<0.0024	<0.0024	<0.0025	<0.024	<0.0024	<0.0025	20	600	40,000
Naphthalene	<0.0018	<0.0017	<0.0018	<0.0018	<0.0018	<0.018	<0.0018	<0.0019	0.4	20	110
Phenanthrene	0.00438	<0.0028	0.0573	<0.0028	0.0105	1.01	0.257	<0.003	1.8	18	390
Pyrene	<0.0059	<0.0059	0.0710	<0.0059	<0.0061	<0.06	<0.0059	<0.0062	8,700	500	30,000

NOTES:
The laboratory analytical results and residual contaminant levels (RCLs) are in milligrams per kilogram (mg/kg) on a dry weight basis. Concentrations exceeding the NR 720 generic RCL for diesel range organics (DRO) or the WDNR suggested RCL for polycyclic aromatic hydrocarbons (PAHs) are in bold text and shaded. Samples were collected on at B-20 and B-21 October 1 and at B-22 on October 2,1998, when the depth to water was about 70 feet below ground surface (bgs).
Sample ID = Borehole location (e.g., B-20) and sample depth (e.g., 50-52 feet bgs).

Gannett Fleming

FIGURE G-1



LEGEND

- Soil Boring–October 1998 (B Prefix)
- Air Injection/Biosparging Well (AI Prefix)
- Bioventing/SVE Well (VW Prefix)
- NPI Lust Site Monitoring Well (PW Prefix)
- Soil Gas Monitoring Point (MP Prefix)
- NPI Superfund Monitoring Well Nest (MW Prefix)
- Remediation System Piping
- Underground Water Line
- Underground Sanitary Sewer
- Underground Gas Line

MW-11A/B

NOTE

The Sample Location Where DRO Concentrations Exceed NR-720 Generic Residual Contaminant Level Of 100 ppm Is In BOLD.

FOLLOW-UP SOIL SAMPLING LOCATIONS (OCTOBER 1998)

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

011999
34285WC

Former Piping Run (In Trench) To Main Boiler Room

A Southeast — A' Northwest

	B-22	AI-4	MP-3 (B-13)	VW-2	PW-2	B-21	B-20
FID	5.2	0.2	2.8	2.2	5.8	0.6	0.2
DRO	13.0				8,120	4,330	<5.5
LAB PAH	X				X	X	X
FID	0.2	0.2	0.2	0.2	0.4	0.2	0.3
DRO							
LAB PAH							
FID	0.4	0.2	<0.2	0.2	0.2	0.4	0.2	0.6	0.6	0.2	0.6	0.2	0.6	0.2
DRO												59.3		<5.1
LAB PAH												X		X

Former Underground Storage Tank (UST)

Elevation (Feet MSL)

895 890 885 880 875 870 865 860 855 850 845 840 835 830 825 820 815 810 805 800

Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 10'
Vertical Exaggeration: 2x
Site Datum=Mean Sea Level (MSL)

010899
34285WF

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FIGURE H-1

LEGEND

Well Construction

- MW-1 — Well/Borehole Identification
- Well Casing
- Screened Interval

Geologic Units

- Fill
- Medium Grained Sand With Gravel
- Poorly Graded Sand With Gravel
- Estimated Extent Of Impacted Soil
- Geologic Contact
- Water Table (10/1/98)

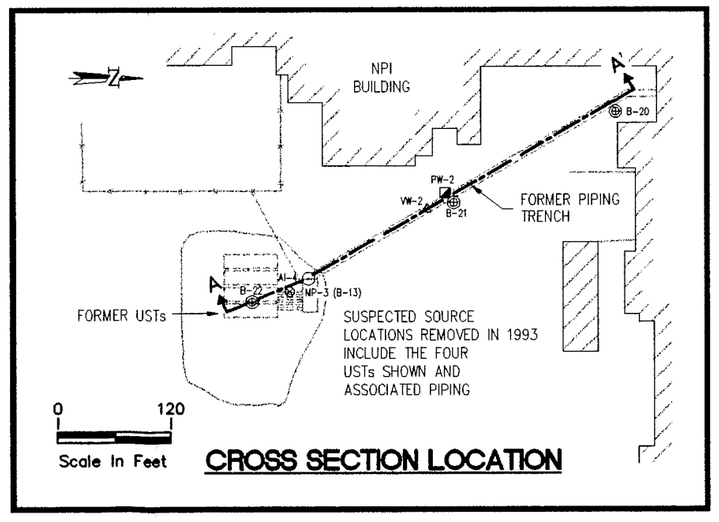
Soil Sampling Results (ppm)

DRO Concentations Which Exceed The NR 700 Generic Residual Contaminant Level Of 100 ppm Are In BOLD.

— =Not Analyzed

H =Heavily Impacted Based On Olfactory And Visual Evidence. Not Analyzed

X =Below Detection Limit



CROSS SECTION LOCATION

POST-REMEDIAL GEOLOGIC CROSS SECTION A-A'

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

APPENDIX F-16

MW-34/70 TCE DEGREASER SLUDGE AREA SOIL DATA

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 1

FIELD SCREENING RESULTS OF SOIL SAMPLES (ppm)

Boring	0-4'	4-8'	8-12'	12-16'	16-20'	20-24'
GP-1	0	0	0	0	0	0
GP-2	40	2.0	0.2	0.2	0	0
GP-3	500	900	0.2	0.2	0	NS
GP-4	0	0	0	0	0	0
GP-5	2.0	0	0	0	0	0
GP-6	0	0	3.0	500	2.0	0
GP-7	0	0	0	0	0	0
GP-8	3.0	0.4	0	0	0	0
GP-9	50	0	0	0	0	0
GP-10	1.0	1.0	0	0	0	0
GP-11	0	0	0	0	0	0
GP-12	0	0	0	0	0	0
GP-13	0	5.0	0	0	0	0
GP-14	5.0	200	500	2.0	0	0
GP-15	2.8	0	0.1	0	0.1	0
GP-16	2.4	1.6	0	0	0.1	0
GP-17	5.6	4.2	0.1	0	0	0
GP-18	30	0.8	0	0	0	0
GP-19	110	1.0	1.0	1.0	1.0	1.0
GP-20	0	0	0	0	0	0
GP-21	(1)	(1)	(1)	(1)	(1)	(1)
GP-22	(1)	(1)	(1)	(1)	(1)	(1)
GP-23	(1)	(1)	(1)	(1)	(1)	(1)
GP-24	(1)	(1)	(1)	(1)	(1)	(1)

NOTES:
NS = Not sampled.
NM = Not measured.

FOOTNOTE:
(1) OVA operating erratically. Data not reliable.

\\Gfmsn01s\data\CLERICAL\projects\34200\34286_NPI\reports\djo\3R34286.008_001-3470\[3T34286_001.xls]Table 1

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 2

CHLORINATED VOCs IN SOIL – MW-34/MW-70 AREA

Sample No.	PCE	TCE	cis-1,2-DCE	1,1,1-TCA	1,1-DCA
GP-2 (4-8')	50 U	460	50 U	50 U	50 U
GP-3 (0-4')	53	50 U	50 U	1,100	360
GP-3 (4-8')	50 U	370	53	130	190
GP-5 (0-4')	50 U	870	50 U	50 U	50 U
GP-6 (12-16')	100 U	150	100 U	110	162
GP-8 (0-4')	59	1,200	50 U	50 U	50 U
GP-8 (4-8')	53	900	50 U	50 U	50 U
GP-9 (0-4')	50 U	73	50 U	50 U	50 U
GP-13 (0-4')	200	50 U	50 U	100	50 U
GP-14 (8-12')	1,200	500	500 U	13,000	2,700
GP-14 (12-16')	440	50 U	50 U	160	50 U
GP-15 (0-4')	109	5,280	25 U	25 U	25 U
GP-16 (0-4')	25 U	93.7	25 U	25 U	25 U
GP-16 (4-8')	25 U	39.8	25 U	25 U	25 U
GP-17 (0-4')	46.6	665	25 U	25 U	25 U
GP-17 (4-8')	448	8,140	25 U	25 U	25 U
GP-18 (0-4')	25 U	281	25 U	25 U	25 U
GP-18 (4-8')	495	27,100	25 U	25 U	25 U
GP-19 (0-4')	25 U	91.6	25 U	25 U	25 U
GP-19 (4-8')	25 U	57.9	25 U	25 U	25 U
GP-21 (0-4')	25 U	121	25 U	25 U	25 U
GP-21 (4-8')	246	57,500	682	61	25 U
GP-21 (8-12')	25 U	50.9	25 U	25 U	25 U
GP-24 (0-4')	122	4,070	25 U	25 U	25 U
EPA Guidance Goals[(1)]					
Industrial (DC)	3,400	110	150,000	1,200,000	1,700,000
Residential (DC)	1,500	53	43,000	1,200,000	510,000
G.W. Pathway	29	0.26	400	2,000	4,500

NOTES:
Only samples with one or more detected compound are shown.
Concentrations are in units of ug/kg (ppb) on a dry-weight basis.
Samples GP-1 to GP-14 were analyzed on-site by ECCS's mobile laboratory. The remaining samples were analyzed by U.S. Filter's fixed laboratory.
U = Not detected at or above the detection limit shown.
DC = Direct contact.

FOOTNOTE:
(1) Most stringent goals from USEPA Regions III (4/2/02) and IX (10/1/02). WDNR does not have soil clean up standards for these compounds.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 3

NON-CHLORINATED VOCs IN SOIL – MW-34/MW-70 AREA

Compound	GP-3 (0-4')	GP-3 (4-8')	GP-6 (12-16')	GP-14 (8-12')	GP-14 (12-16')	GP-17 (4-8')	GP-18 (0-4')
Benzene	50 U	50 U	100 U	500 U	50 U	25 U	25 U
n-Butylbenzene	NTA	NTA	NTA	NTA	NTA	25 U	77.2
Chloroform	NTA	NTA	NTA	NTA	NTA	25 U	25 U
1,2-Dichlorobenzene	NTA	NTA	NTA	NTA	NTA	30.4	25 U
1,3-Dichlorobenzene	NTA	NTA	NTA	NTA	NTA	101	25 U
1,4-Dichlorobenzene	NTA	NTA	NTA	NTA	NTA	43.5	25 U
Ethylbenzene	180	50	120	500 U	50 U	25 U	25 U
Hexachlorobutadiene	NTA	NTA	NTA	NTA	NTA	66.9	25 U
p-Isopropyltoluene	NTA	NTA	NTA	NTA	NTA	25 U	73.7
Naphthalene	1,300	440	980	5,000	200	25 U	25 U
n-Propylbenzene	NTA	NTA	NTA	NTA	NTA	25 U	25 U
Toluene	470	140	190	1,500	50 U	25 U	25 U
1,2,4-Trimethylbenzene	1,100	410	1,600	6,300	98	25 U	25 U
1,3,5-Trimethylbenzene	340	150	570	2,000	50 U	25 U	25 U
m&p-Xylene	550	190	480	1,800	50 U	25 U	25 U
o-Xylene	240	94	270	900	50 U	25 U	25 U
1,2,3-Trichlorobenzene	NTA	NTA	NTA	NTA	NTA	215	25 U
1,2,4-Trichlorobenzene	NTA	NTA	NTA	NTA	NTA	108	25 U

Table 3 Continued . . .

Compound	GP-18 (4-8')	GP-19 (0-4')	GP-19 (4-8')	GP-21 (4-8')	GP-22 (0-4')	GP-24 (0-4')
Benzene	44.1	25 U	25 U	25 U	25 U	25 U
n-Butylbenzene	42.6	223	97.2	25 U	25 U	4.9
Chloroform	25 U	25 U	25 U	82.3	25 U	25 U
1,2-Dichlorobenzene	25 U	25 U	25 U	25 U	25 U	25 U
1,3-Dichlorobenzene	25 U	25 U	25 U	25 U	25 U	25 U
1,4-Dichlorobenzene	25 U	101	25 U	25 U	25 U	25 U
Ethylbenzene	44.5	48.6	25 U	41.7	25 U	25 U
Hexachlorobutadiene	25 U	25 U	25 U	25 U	25 U	25 U
p-Isopropyltoluene	25 U	169	81.6	25 U	25 U	54.5
Naphthalene	25 U	549	300	37.4	41.5	68.2
n-Propylbenzene	25 U	28.4	25 U	25 U	25 U	25 U
Toluene	39.3	56.7	28	25 U	25 U	25 U
1,2,4-Trimethylbenzene	25 U	240	86.1	43.3	25 U	25 U
1,3,5-Trimethylbenzene	25 U	113	25 U	28.1	25 U	47.2
m&p-Xylene	25 U	60.9	26.6	25 U	25 U	25 U
o-Xylene	25 U	25 U	25 U	25 U	25 U	25 U
1,2,3-Trichlorobenzene	25 U	25 U	25 U	25 U	25 U	25 U
1,2,4-Trichlorobenzene	25 U	25 U	25 U	25 U	25 U	25 U

NOTES:
Only samples with one or more detected compound are shown.
Concentrations are in units of ug/kg (ppb) on a dry-weight basis.
Samples GP-1 to GP-14 were analyzed on-site by ECCS's mobile laboratory. The remaining samples were analyzed by U.S. Filter's fixed laboratory.
U = Not detected at or above the detection limit shown.
NTA = Not a target analyte with the mobile laboratory.

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FIGURE 1

EW–3

EXISTING BUILDING / LOADING DOCK

ASPHALT ACCESS ROAD

ASPHALT APRON (INSTALLED SEPTEMBER 2001)

MW–10A,B

ASPHALT ACCESS ROAD

MINIMUM 150 FEET ROI (TYPICAL)

MW–70A,B

SOIL: <50 ug/kg
GAS: 9.4 TCE
GW: 29 TCE

Propane Tanks

GP–1

Storm Water Pond

SOIL: <50 ug/kg
GAS: 14 TCE
GW: 120 TCE

SOIL: 121 TCE @ 0'–4'
246 PCE
57,500 TCE @ 4'–8'
50.9 TCE @ 8'–12'
GAS: 25.4 TCE

MW–34A,B,C

GP–4

GP–21

SOIL: 73 TCE @ 0'–4'
GAS: 27 TCE
GW: 42 TCE

GP–9

SOIL: 460 TCE @ 4'–8'
GAS: 22 TCE
GW: 45 TCE

GP–2

SOIL: 46.6 PCE
665 TCE @ 0'–4'
448 PCE
8,140 TCE @ 4'–8'
GAS: 0.865 PCE
0.76 TCA
60.2 TCE

GP–17

SOIL: 281 TCE @ 0'–4'
495 PCE
27,100 TCE @ 4'–8'
GAS: 20.4 TCE

GP–18

GP–8

SOIL: 1,100 TCA
470 TCE @ 0'–4'
130 TCA
370 TCE @ 4'–8'
GAS: 16 TCE

GP–3

GP–5/5A

SOIL: 870 TCE @ 0'–4'
GAS: 0.81 PCE
1.28 TCA
55.9 TCE

GP–15/15A

SOIL: 109 TCA
5,280 TCE @ 0'–4'
GAS: 0.685 PCE
2.340 TCA
43.4 TCE

GP–24

SOIL: 122 PCE
4,070 TCE @ 0'–4'
GAS: 30.3 TCE

GP–7

SOIL: <50 ug/kg
GAS: 11 TCE

GP–6

SOIL: 110 TCA
150 TCE @ 12'–16'
PERCHED GW
<4 TCA
<4 TCE
33 1,1–DCA @ 12'–16'
GAS: 6.1 TCE

WEST LOBE OF FORMER LAGOON NO. 1 (BACKFILLED 12/98)

GP–16

SOIL: 93.7 TCE @ 0'–4'
39.8 TCE @ 4'–8'
GAS: 9.51 TCE

GP–20/20A

SOIL: <25 ug/kg
GAS: 7.01 TCE

GP–23

SOIL: <25 ug/kg
GAS: 1.62 TCE

GP–19

SOIL: 91.6 TCE @ 0'–4'
57.9 TCE @ 4'–8'
GAS: 4.8 TCE
GW: 22.4 TCE

GP–22

SOIL: <25 ug/kg
GAS: 1.79 TCE

GP–10

SOIL: <50 ug/kg
GAS: 7.6 TCE

GP–11

SOIL: <50 ug/kg
GAS: 3.6 TCE

SOIL: 1,200 TCE
59 PCE @ 0'–4'
900 TCE
53 PCE @ 4'–8'
GAS: 55 TCE

GP–12

SOIL: <50 ug/kg
GAS: <2 TCE

GP–13

SOIL: 100 TCA
200 PCE @ 0'–4'
GAS: <2 TCE

GP–14

SOIL: 13,000 TCA
1,200 PCE
500 TCE @ 8'–12'
160 TCA
440 PCE @ 12'–16'
GAS: 6.1 TCA
<2 TCE

NOTES:

1. Borings GP–1 To GP–14 Were Sampled In November 2002. Borings GP–15 To GP–24 Were Sampled In December 2002.
2. All Soil Concentrations Are Shown In ug/kg (ppb).
3. All Soil Gas Samples Were Collected 29' To 30' bgs. Soil Gas Concentrations Are Shown In ug/l (ppb).
4. Depth To Bedrock Decreases To The East And South. Groundwater Does Not Occur Above the Bedrock East And South Of The Line Of Borings Defined By GP–2, GP–4, And GP–9.

LEGEND

- Geoprobe Sample Location
- NPI Monitoring Well Nest (MW Prefix)
- NPI Extraction Well (EW Prefix)

0 50

Approximate Scale In Feet

SOUTHWEST CORNER 2002 SUPPLEMENTAL SAMPLING DATA MAP

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

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102703
34286WDW

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Gannett Fleming

FIGURE 2

EW-3

821 819 817 818 819 820 821 822 823 824 825 826 827 823

EXISTING BUILDING / LOADING DOCK

ASPHALT ACCESS ROAD

ASPHALT APRON (INSTALLED SEPTEMBER 2001)

MW-10A,B

ASPHALT ACCESS ROAD

MW-70A,B

MINIMUM 150 FEET ROI (TYPICAL)

Propane Tanks

GP-1 (<50)

GP-2 (460)

GP-3 (370)

Storm Water Pond

MW-34A,B,C

GP-5/5A (<50)

GP-24 (<25)

GP-6 (<50)

GP-21 (57,500)

GP-4 (<50)

GP-17 (8,140)

GP-18 (27,100)

GP-8 (900)

GP-15/15A (<25)

WEST LOBE OF FORMER LAGOON NO. 1 (BACKFILLED 12/98)

GP-9 (<50)

GP-16 (39.8)

GP-7 (<50)

GP-20/20A (<25)

GP-23 (<25)

GP-19 (57.9)

GP-10 (<50)

GP-11 (<50)

GP-12 (<50)

GP-13 (<50)

828

GP-22 (<25)

GP-14 (<50)

NOTE:

1. *Borings GP-1 To GP-14 Were Sampled In November 2002. Borings GP-15 To GP-24 Were Sampled In December 2002.*

0 50

Approximate Scale In Feet

LEGEND

(<50) *TCE Concentration In ug/kg (ppb)*

Geoprobe Sample Location

NPI Monitoring Well Nest (MW Prefix)

NPI Extraction Well (EW Prefix)

TCE CONCENTRATIONS IN SOIL (4'-8') AND GROUNDWATER FLOW MAP (APRIL 2002)

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

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_CONT_GW_4-02
_TCE_Soil_4'-8'
102703
34286WDW

Gannett Fleming

FIGURE 4

EW-3

EXISTING BUILDING/ LOADING DOCK

ASPHALT ACCESS ROAD

ASPHALT APRON (INSTALLED SEPTEMBER 2001)

MW-10A,B

ASPHALT ACCESS ROAD

MW-70A,B

MINIMUM 150 FEET ROI (TYPICAL)

Propane Tanks

Storm Water Pond

GP-1 (<50)

GP-2 (460)

GP-3 (370)

MW-34A,B,C

GP-21 (57,500)

GP-4 (<50)

GP-5/5A (<50)

GP-24 (<25)

GP-6 (<50)

GP-17 (8,140)

GP-18 (27,100)

GP-8 (900)

GP-15/15A (<25)

GP-7 (<50)

GP-9 (<50)

GP-16 (39.8)

GP-20/20A (<25)

GP-23 (<25)

GP-19 (57.9)

GP-10 (<50)

GP-11 (<50)

GP-12 (<50)

GP-13 (<50)

GP-14 (<50)

GP-22 (<25)

WEST LOBE OF FORMER LAGOON NO. 1 (BACKFILLED 12/98)

NOTE:

1. *Borings GP-1 To GP-14 Were Sampled In November 2002. Borings GP-15 To GP-24 Were Sampled In December 2002.*

0 50

Approximate Scale In Feet

LEGEND

(<50) *TCE Concentration In ug/kg (ppb)*

Geoprobe Sample Location

NPI Monitoring Well Nest (MW Prefix)

NPI Extraction Well (EW Prefix)

TCE CONCENTRATIONS IN SOIL (4'-8')

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

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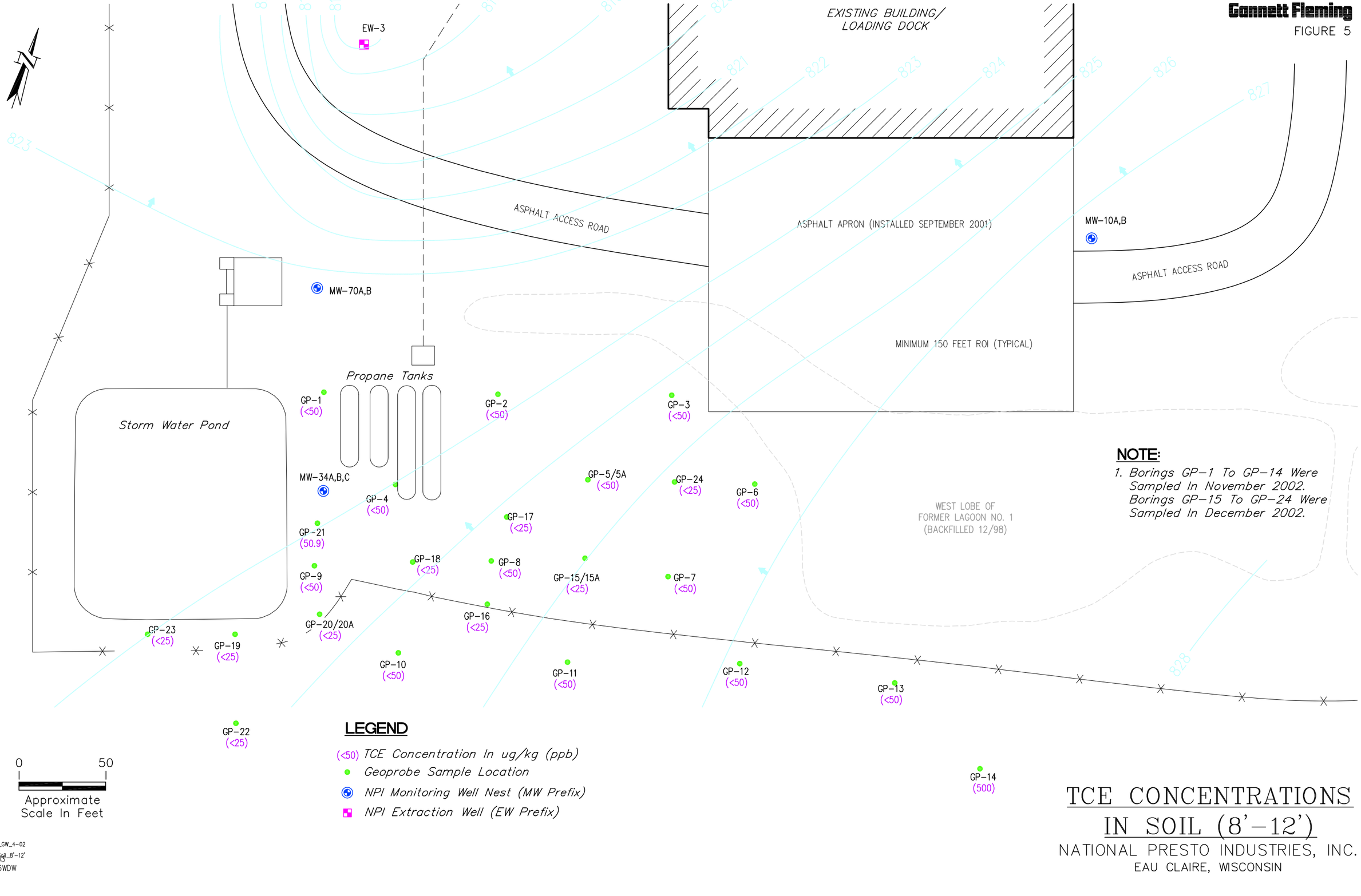
_CONT_GW_4-02
_TCE_Soil_4'-8'
102703
34286WDW

Gannett Fleming

FIGURE 5



NOTE:

1. *Borings GP-1 To GP-14 Were Sampled In November 2002. Borings GP-15 To GP-24 Were Sampled In December 2002.*

LEGEND

(<50) *TCE Concentration In ug/kg (ppb)*

Geoprobe Sample Location

NPI Monitoring Well Nest (MW Prefix)

NPI Extraction Well (EW Prefix)

0 50

Approximate Scale In Feet

TCE CONCENTRATIONS IN SOIL (8'-12')

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

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TCE_Soil_8'-12'
102703
34286WDW

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Gannett Fleming

FIGURE 6

EW-3

EXISTING BUILDING/ LOADING DOCK

ASPHALT ACCESS ROAD

ASPHALT APRON (INSTALLED SEPTEMBER 2001)

MW-10A,B

ASPHALT ACCESS ROAD

MW-70A,B

MINIMUM 150 FEET ROI (TYPICAL)

Propane Tanks

Storm Water Pond

GP-1 (<50)

GP-2 (<50)

GP-3 (<50)

MW-34A,B,C

GP-4 (<50)

GP-5/5A (<50)

GP-24 (<25)

GP-6 (150)

GP-17 (<25)

GP-21 (<25)

GP-18 (<25)

GP-8 (<50)

GP-9 (<50)

GP-15/15A (<25)

GP-7 (<50)

GP-16 (<25)

GP-20/20A (<25)

GP-23 (<25)

GP-19 (<25)

GP-10 (<50)

GP-11 (<50)

GP-12 (<50)

GP-13 (<50)

GP-22 (<25)

GP-14 (<50)

WEST LOBE OF FORMER LAGOON NO. 1 (BACKFILLED 12/98)

821 819 817 818 819 820 821 822 823 824 825 826 827 823 828

NOTE:

1. *Borings GP-1 To GP-14 Were Sampled In November 2002. Borings GP-15 To GP-24 Were Sampled In December 2002.*

0 50

Approximate Scale In Feet

LEGEND

(<50) *TCE Concentration In ug/kg (ppb)*

Geoprobe Sample Location

NPI Monitoring Well Nest (MW Prefix)

NPI Extraction Well (EW Prefix)

TCE CONCENTRATIONS IN SOIL (12'-16')

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

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_CONT_GW_4-02

TCE_Soil_12'-16'

102703

34286WDW

Source document (2 of 2): *Remedial Alternatives Analysis for the MW-34/70 Area TCE Degreaser Sludge*; (Sept 24, 2015) Page 1 of 4.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 1

MW-34/70 AREA TCE DEGREASER SLUDGE SOIL CONFIRMATION ANALYTICAL RESULTS (SEPTEMBER 2010)

Sample No.	CB-1	CB-1	CB-1	CB-2	CB-3	CB-3	CB-3	CB-4	CB-5	CB-5	CB-5	CB-6	CB-6	CB-6	CB-7	CB-7	CB-7	CB-8	CB-8	CB-8	CB-9	CB-10	CB-10	CB-10	CB-11	CB-11	CB-11	NR 720 Soil to Groundwater Pathway Standard	NR 720 Industrial Direct Contact Standard
Sample Interval (ft bgs)	(0-4)	(4-8)	(8-12)	(0-4)	(0-4)	(4-8)	(8-12)	(0-4)	(0-4)	(4-8)	(8-12)	(0-4)	(4-8)	(8-12)	(0-4)	(4-8)	(8-12)	(0-4)	(4-8)	(8-12)	(0-4)	(0-4)	(4-8)	(8-12)	(0-4)	(4-8)	(8-12)		
Analytes																													
1,1,1,2-Tetrachloroethane	<0.036	<0.0371	<0.0371	<0.0410	<0.0400	<0.0367	<0.0414	<0.0382	<0.0360	<0.0382	<0.0367	<0.0367	<0.0367	<0.0367	<0.0371	*0.214*	<0.0378	<0.0378	<0.0371	<0.0371	<0.0371	<0.0367	<0.0360	<0.0367	<0.0374	<0.0374	<0.0371	0.053357	12.9
1,1,1-Trichloroethane	*0.581*	<0.0402	<0.0402	0.136	<0.0433	<0.0398	<0.0448	<0.0413	*0.284*	<0.0443	<0.0398	<0.0398	<0.0398	<0.0398	<0.0402	0.074	<0.0410	<0.0410	<0.0402	<0.0402	<0.0402	<0.0398	<0.0390	<0.0398	<0.0406	<0.0406	<0.0402	0.1402	640
1,1,2,2-Tetrachloroethane	*0.309*	*<0.0371*	*<0.0371*	*<0.0410*	*<0.0400*	*<0.0367*	*<0.0414*	*<0.0382*	*<0.0360*	*<0.0382*	*<0.0367*	*<0.0367*	*<0.0367*	*<0.0367*	*<0.0371*	*<0.0382*	*<0.0378*	*<0.0378*	*<0.0371*	*<0.0371*	*<0.0371*	*<0.0367*	*<0.0360*	*<0.0367*	*<0.0374*	*<0.0374*	*<0.0371*	0.000156	3.69
1,1-Dichloroethane	0.125	<0.0381	<0.0381	0.0610	<0.0411	<0.0377	<0.0426	<0.0392	0.275	<0.0392	<0.0377	<0.0377	<0.0377	<0.0377	<0.0381	<0.0392	<0.0388	<0.0388	<0.0381	<0.0381	<0.0381	<0.0377	<0.0370	<0.0377	<0.0385	<0.0385	<0.0381	0.4828	23.7
1,2,3-Trichloropropane	<0.0490	<0.0505	<0.0505	*<0.0559*	*<0.0544*	<0.0500	*<0.0564*	*<0.0519*	<0.0490	*<0.0519*	<0.0500	<0.0500	<0.0500	<0.0500	<0.0505	*<0.0519*	<0.0514	**0.291**	<0.0505	<0.0505	<0.0505	<0.0500	<0.0490	<0.0500	<0.0510	<0.0510	<0.0505	0.051888	0.0954
1,2,4-Trichlorobenzene	<0.0420	<0.0433	<0.0433	0.0544	<0.0466	<0.0428	<0.0483	<0.0445	<0.0420	<0.0445	<0.0428	<0.0428	<0.0428	<0.0428	<0.0433	<0.0445	<0.0441	<0.0441	<0.0433	<0.0433	<0.0433	<0.0428	<0.0420	<0.0428	<0.0437	<0.0437	<0.0433	0.408	98.7
1,2,4-Trimethylbenzene	0.158	<0.0371	<0.0371	0.0800	<0.0466	<0.0367	<0.0414	<0.0382	0.688	<0.0382	<0.0367	<0.0367	<0.0367	<0.0367	<0.0371	0.0533	<0.0378	0.112	<0.0371	<0.0371	<0.0371	<0.0367	<0.0360	<0.0367	<0.0374	<0.0374	<0.0371	NS	219
1,3,5-Trimethylbenzene	<0.0360	<0.0371	<0.0371	<0.0410	<0.0400	<0.0367	<0.0414	<0.0382	0.220	<0.0382	<0.0367	<0.0367	<0.0367	<0.0367	<0.0371	<0.0382	<0.0378	0.0656	<0.0371	<0.0371	<0.0371	<0.0367	<0.0360	<0.0367	<0.0374	<0.0374	<0.0371	NS	182
TMBs combined	<0.194	<0.0742	<0.0742	<0.1210	<0.0866	<0.0734	<0.0828	<0.0764	0.908	<0.0764	<0.0734	<0.0734	<0.0734	<0.0734	<0.0742	<0.0915	<0.0756	0.1776	<0.0742	<0.0742	<0.0742	<0.0734	<0.0720	<0.0734	<0.0748	<0.0748	<0.0742	1.382069	NS
1,4-Dichlorobenzene	<0.0350	<0.0360	<0.0360	0.0989	<0.0388	<0.0357	<0.0402	<0.0371	<0.0350	<0.0371	<0.0357	<0.0357	<0.0357	<0.0357	<0.0360	<0.0371	<0.0368	<0.0368	<0.0360	<0.0360	0.100	<0.0357	<0.0350	<0.0357	<0.0364	<0.0364	<0.0360	0.144	17.5
Bromobenzene	0.0352	<0.0360	<0.0360	<0.0399	<0.0388	<0.0357	0.0402	<0.0371	<0.0350	<0.0371	<0.0357	<0.0357	<0.0357	<0.0357	<0.0360	<0.0371	<0.0368	<0.0368	<0.0360	<0.0360	<0.0360	<0.0357	<0.0350	<0.0357	<0.0364	<0.0364	<0.0360	NS	679
cis-1,2-Dichloroethylene	*<0.0410*	*<0.0422*	*<0.0422*	*<0.0467*	*<0.0455*	*<0.0418*	*<0.0472*	*<0.0435*	*0.0629*	*<0.0435*	*<0.0418*	*<0.0418*	*<0.0418*	*<0.0418*	*<0.0422*	*0.539*	*<0.0430*	*0.176*	*<0.0422*	*<0.0422*	*<0.0422*	*<0.0418*	<0.0410	*<0.0418*	*<0.0426*	*<0.0426*	*<0.0422*	0.0412	2040
Ethylbenzene	<0.0370	<0.0381	<0.0381	<0.0422	<0.0411	<0.0377	<0.0426	<0.0392	0.109	<0.0392	<0.0377	<0.0377	<0.0377	<0.0377	<0.0381	<0.0392	<0.0388	<0.0388	<0.0381	<0.0381	<0.0381	<0.0377	<0.0370	<0.0377	<0.0385	<0.0385	<0.0381	1.57	37
Xylenes	<0.1190	<0.1226	<0.1226	<0.1357	<0.1321	<0.1214	<0.1369	<0.1261	0.574	<0.1261	<0.1214	<0.1214	<0.1214	<0.1214	<0.1226	<0.222	<0.1249	<0.1249	<0.1226	<0.1226	<0.1226	<0.1214	<0.119	<0.1214	<0.1234	<0.1234	<0.1226	3.94	258
Naphthalene	0.274	0.0824	<0.0443	0.0762	<0.0477	<0.0439	<0.0494	<0.0456	*0.816*	0.198	<0.0439	<0.0439	<0.0439	<0.0439	<0.0443	0.0944	<0.0452	0.149	<0.0443	<0.0443	<0.0443	<0.0439	<0.0430	<0.0439	0.0447	<0.0447	<0.0443	0.658182	26
Tetrachoroethene	*0.0579*	*<0.0464*	*<0.0464*	*<0.0513*	*<0.0500*	*<0.0459*	*<0.0518*	*<0.0477*	*0.0996*	*<0.0477*	*<0.0459*	*<0.0459*	*<0.0459*	*<0.0459*	*<0.0464*	*0.326*	*<0.0472*	*<0.0472*	*<0.0464*	*<0.0464*	*<0.0464*	*<0.0459*	*<0.0450*	*<0.0459*	*<0.0468*	*<0.0468*	*<0.0464*	0.00454	153
Toluene	0.129	<0.0422	<0.0422	0.0552	<0.0455	<0.0418	<0.0472	<0.0435	0.300	<0.0435	<0.0418	<0.0418	<0.0418	<0.0418	<0.0422	0.0802	<0.0430	<0.0430	<0.0422	<0.0422	<0.0422	<0.0418	<0.0410	<0.0418	<0.0426	<0.0426	<0.0422	1.1072	818
Trichloroethene	*<0.0370*	*<0.0381*	*<0.0381*	*1.440*	*0.0484*	*3.160*	*0.0851*	*6.790*	*0.153*	*<0.0392*	*<0.0377*	*<0.0377*	*<0.0377*	*<0.0377*	*0.287*	**51.400**	*0.348*	*0.0948*	*0.228*	*<0.0381*	*4.400*	*<0.0377*	*<0.0370*	*<0.0377*	*0.0838*	*<0.0385*	*<0.0381*	0.00358	8.81
Degreaser sludge in sample?	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	No	Yes	No	No		
2002 TCE Results (rounded)	0.470	0.370	<0.050	4.070	--	--	--	5.285	0.092	0.058	<0.025	0.281	27.100	<0.025	0.121	57.500	0.051	0.665	8.140	<0.025	0.460	0.094	0.040	<0.025	1.200	0.900	<0.050		
% TCE reduction 2002/2010	(100)	(100)	--	(65)	--	--	--	--	--	(100)	--	(100)	(100)	--	--	(11)	--	(86)	(97)	--	--	(100)	(100)	--	(93)	(100)	--		

NOTES:
Soil results are in milligrams per kilograms (mg/kg) on a dry weight basis, equivalent to parts per million (ppm).
Concentrations at or above an NR 720 industrial direct contact standard are bold.
Concentrations at or above an NR 720 soil to groundwater pathway standard are italicized.
Only compounds detected in one or more samples are shown.
Sample Interval (ft bgs) = Depth of sample interval in feet below ground surface (ft bgs).
-- = No detects in either sample, no data from 2002 for comparison, or not applicable for SPLP samples or % TCE reduction.
na = Not analyzed.
NS = No standard.

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EAU CLAIRE, WISCONSIN

TABLE 2

MW-34/70 AREA TCE DEGREASER SLUDGE SOIL CONFIRMATION AND SPLP ANALYTICAL RESULTS FOR CB-1, CB-2, CB-4, AND CB-7 (SEPTEMBER/NOVEMBER 2010)

Sample No.	CB-1	CB-1-L	Data Qualifiers and/or Footnotes for CB-1-L	CB-1	CB-1	CB-2	CB-2-L	CB-4	CB-4-L	CB-7	CB-7	CB-7-L	Data Qualifiers and/or Footnotes for CB-7-L	CB-7	NR 720 Soil to Groundwater Pathway Standard	NR 720 Industrial Direct Contact Standard	NR 140 Enforcement Standard
Sample Interval (ft bgs)	(0-4)	(0-4)		(4-8)	(8-12)	(0-4)	(0-4)	(0-4)	(0-4)	(0-4)	(4-8)	(4-8)		(8-12)			
Units for VOCs	(mg/kg)	(µg/ℓ)		(mg/kg)	(mg/kg)	(mg/kg)	(µg/ℓ)	(mg/kg)	(µg/ℓ)	(mg/kg)	(mg/kg)	(µg/ℓ)		(mg/kg)	(mg/kg)	(mg/kg)	(µg/ℓ)
1,1,1,2-Tetrachloroethane	<0.036	<4.0		<0.0371	<0.0371	<0.0410	<4.0	<0.0382	<4.0	<0.0371	*0.214*	<4.0		<0.0378	0.053357	12.9	70
1,1,1-Trichloroethane	*0.581*	123		<0.0402	<0.0402	0.136	41.5	<0.0413	<4.0	<0.0402	0.074	<4.0		<0.0410	0.1402	640	200
1,1,2,2-Tetrachloroethane	*0.309*	**<6.0**		*<0.0371*	*<0.0371*	*<0.0410*	**<6.0**	*<0.0382*	**<6.0**	*<0.0371*	*<0.0382*	**<6.0**		*<0.0378*	0.000156	3.69	0.2
1,1-Dichloroethane	0.125	12.6	J	<0.0381	<0.0381	0.0610	21.2	<0.0392	<4.0	<0.0381	<0.0392	<4.0	(1), (2)	<0.0388	0.4828	23.7	850
1,2,3-Trichloropropane	<0.0490	<12.0		<0.0505	<0.0505	*<0.0559*	<12.0	*<0.0519*	<12.0	<0.0505	*<0.0519*	<12.0		<0.0514	0.051888	0.0954	60
1,2,4-Trichlorobenzene	<0.0420	<10.0		<0.0433	<0.0433	0.0544	<10.0	<0.0445	<10.0	<0.0433	<0.0445	<10.0		<0.0441	0.408	98.7	70
1,2,4-Trimethylbenzene	0.158	<4.0		<0.0371	<0.0371	0.0800	<4.0	<0.0382	<4.0	<0.0371	0.0533	<4.0		<0.0378	NS	219	NS
1,3,5-Trimethylbenzene	<0.0360	<4.0		<0.0371	<0.0371	<0.0410	<4.0	<0.0382	<4.0	<0.0371	<0.0382	<4.0		<0.0378	NS	182	NS
TMBs combined	<0.194	<8.0		<0.0742	<0.0742	<0.1210	<8.0	<0.0764	<8.0	<0.0742	<0.0915	<8.0		<0.0756	1.382069	NS	480
1,4-Dichlorobenzene	<0.0350	<16.0		<0.0360	<0.0360	0.0989	<16.0	<0.0371	<16.0	<0.0360	<0.0371	<16.0		<0.0368	0.144	17.5	75
Bromobenzene	0.0352	<4.0		<0.0360	<0.0360	<0.0399	<4.0	<0.0371	<4.0	<0.0360	<0.0371	<4.0		<0.0368	NS	679	NS
cis-1,2-Dichloroethylene	*<0.0410*	<4.0		*<0.0422*	*<0.0422*	*<0.0467*	<4.0	*<0.0435*	<4.0	*<0.0422*	*0.539*	7.52	J, (2)	*<0.0430*	0.0412	2040	70
Ethylbenzene	<0.0370	<2.0		<0.0381	<0.0381	<0.0422	<2.0	<0.0392	<2.0	<0.0381	<0.0392	<2.0		<0.0388	1.57	37	700
Xylenes	<0.1190	<12.0		<0.1226	<0.1226	<0.1357	<12.0	<0.1261	<12.0	<0.1226	<0.222	<12.0		<0.1249	3.94	258	2000
Naphthalene	0.274	<20.0		0.0824	<0.0443	0.0762	<20.0	<0.0456	<20.0	<0.0443	0.0944	<20.0		<0.0452	0.658182	26	100
Tetrachoroethene	*0.0579*	**<6.0**		*<0.0464*	*<0.0464*	*<0.0513*	**<6.0**	*<0.0477*	**<6.0**	*<0.0464*	*0.326*	**<6.0**		*<0.0472*	0.00454	153	5
Toluene	0.129	<8.0		<0.0422	<0.0422	0.0552	<8.0	<0.0435	<8.0	<0.0422	0.0802	<8.0		<0.0430	1.1072	818	800
Trichloroethene	*<0.0370*	<4.0		*<0.0381*	*<0.0381*	*1.440*	<4.0	*6.790*	<4.0	*0.287*	**51.400**	**115**	(2)	*0.348*	0.00358	8.81	5
Total organic carbon (TOC)	na	30,000		na	na	na	70,000	na	32,000	na	na	690,000		na	NS	NS	NS
Degreaser sludge in sample?	No	No		No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes		No			
2002 TCE Results (rounded)	0.470	--		0.370	<0.050	4.070	--	5.285	--	0.121	57.500	--		0.051			
% TCE reduction 2002/2010	(100)	--		(100)	--	(65)	--	--	--	--	(11)	--		--			

NOTES:

Soil concentrations (including all TOC data) are in milligrams per kilograms (mg/kg) on a dry weight basis, equivalent to parts per million (ppm); only compounds detected in one or more samples are shown.

Soil concentrations at or above an NR 720 industrial direct contact standard are bold.

Soil concentrations at or above an NR 720 soil to groundwater pathway standard are italicized.

SPLP VOC concentrations for CB1-L, CB-2L, CB-4L, and CB-7L are in micrograms per liter (µg/ℓ); concentrations at or above an NR 140 ES are bold.

In accordance with the analytical methodology, TOC results are the average of two samples; TOC concentrations in the two background samples NS1-TOC and NS2-TOC were 1,200 and 1,300 mg/kg, respectively.

Sample Interval (ft bgs) = Depth of sample interval in feet below ground surface (ft bgs).

CB-1-L = SPLP sample associated with CB-1 sample location shown.

-- = No detects in either sample, no data from 2002 for comparison, or not applicable for SPLP samples or % TCE reduction.

J = Concentration is above the limit of detection, but below the limit of quantitation, and is an estimate.

na = Not analyzed.

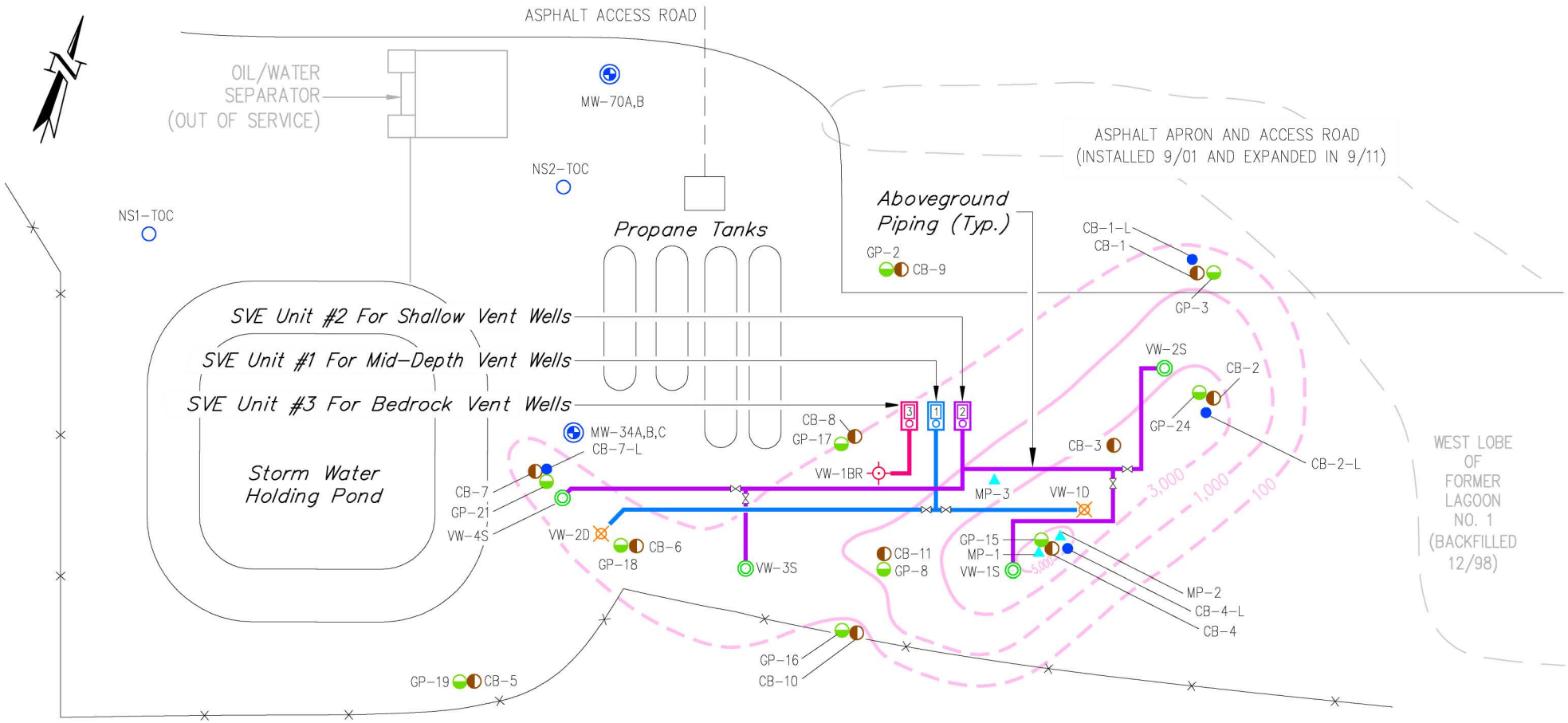
NS = No standard.

TMBs = Trimethylbenzenes.

FOOTNOTES:

(1) Second sample matrix spike recovery was high.

(2) Result of duplicate analysis in this quality assurance batch exceeds the limits for precision.



LEGEND

- Soil Boring Location (11-12/02)
- Soil Boring Location (9/10)
- Soil Sample For SPLP/TOC Analysis (11/10)
- Soil Sample For TOC Analysis (11/10)
- Shallow SVE Vent Well (VW Prefix)
- Mid-Depth SVE Vent Well (VW Prefix)
- Bedrock SVE Vent Well (VW Prefix)
- Soil Gas Monitoring Point (MP Prefix)
- NPI Monitoring Well Nest (MW Prefix)
- 2002 TCE Soil Isoconcentration Contour ug/kg 0-4' (Dashed Where Inferred)
- Gate Valve
- Chain-Link Fence

0 50

Approximate Scale In Feet

MW-34/70 AREA SVE SYSTEM LAYOUT PRIOR TO SEPTEMBER 2014

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

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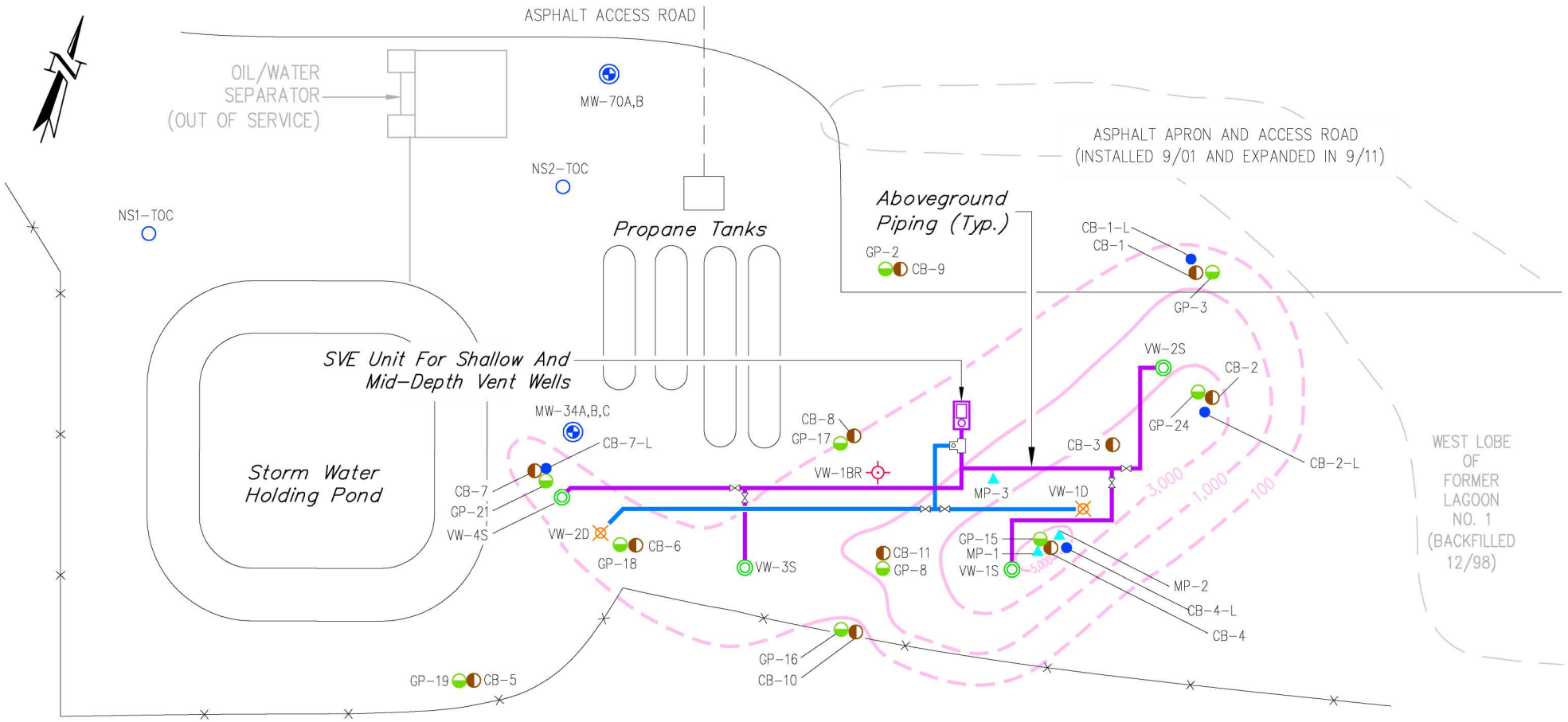
FIGURE 1



LEGEND

- Soil Boring Location (11-12/02)
- Soil Boring Location (9/10)
- Soil Sample For SPLP/TOC Analysis (11/10)
- Soil Sample For TOC Analysis (11/10)
- Shallow SVE Vent Well (VW Prefix)
- Mid-Depth SVE Vent Well (VW Prefix)
- Bedrock SVE Vent Well (VW Prefix)
- Soil Gas Monitoring Point (MP Prefix)
- NPI Monitoring Well Nest (MW Prefix)
- 2002 TCE Soil Isoconcentration Contour ug/kg 0-4' (Dashed Where Inferred)
- Gate Valve
- Tee With Ball Valve
- Chain-Link Fence

0 50

Approximate Scale In Feet

MW-34/70 AREA SVE SYSTEM LAYOUT AND SOIL/TCE DEGREASER SLUDGE SAMPLE LOCATIONS (OCTOBER 2014)

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

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FIGURE 2

APPENDIX F-17

SOUTHWEST CORNER-BUILDING 105 SOIL DATA

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EAU CLAIRE, WISCONSIN

TABLE 2[(1)]

NPI VOC RESULTS FOR SOIL SAMPLES - JUNE 2009 GEOPROBE INVESTIGATION

Geoprobe ID	Sample Interval (ft bgs)	Lab Type	NPI VOC Concentration (µg/kg)				
			l, l - DCA	l, l - DCE	PCE	l, l, l - TCA	TCE
GP-25	0-4	Mobile	<26	<26	<26	<26	<26
	4-8	"	<27	<27	<27	<27	<27
	"	Fixed-base	<31.2	<59.3	<29.1	<21.8	<30.2
	8-12	Mobile	<30	<30	<30	<30	<30
	12-16	"	<30	<30	<30	<30	<30
	16-20	"	<30	<30	<30	<30	<30
GP-26	0-4	Mobile	<27	<27	<27	<27	<27
	4-8	"	<27	<27	<27	<27	<27
	8-12	"	<29	<29	<29	<29	<29
	12-16	"	<29	<29	<29	<29	<29
	16-20	"	<29	<29	<29	<29	<29
GP-27	0-4	Mobile	<27	<27	<27	<27	<27
	4-8	"	<26	<26	<26	<26	<26
	8-12	"	<29	<29	<29	<29	<29
	12-16	"	<27	<27	<27	<27	<27
GP-28	0-4	Mobile	<28	<28	<28	<28	<28
	4-8	"	<26	<26	<26	<26	<26
	"	Fixed-base	<30.0	<57.0	<28.0	<21.0	<29.0
	8-12	Mobile	<31	<31	<31	<31	<31
	12-16	"	<32	<32	<32	<32	<32
	16-20	"	<32	<32	<32	<32	<32
GP-29	0-4	Mobile	<27	<27	<27	<27	<27
	4-8	"	<28	<28	<28	<28	<28
	8-12	"	<29	<29	<29	<29	<29
	12-16	"	<27	<27	<27	<27	<27
GP-30	0-4	Mobile	<27	<27	<27	<27	<27
	4-8	"	<23	<23	<23	<23	<23
	8-12	"	<26	<26	<26	<26	<26
GP-31	0-4	Mobile	<31	<31	<31	<31	<31
	4-8	"	<31	<31	<31	<31	<31
	8-12	"	<30	<30	<30	<30	<30
	12-16	"	<30	<30	<30	<30	<30
	16-20	"	<30	<30	<30	<30	<30
GP-32	0-4	Mobile	<28	<28	<28	<28	<28
	4-8	"	<27	<27	<27	<27	<27
	8-12	"	<29	<29	<29	<29	<29
	12-16	"	<30	<30	<30	<30	<30
	16-20	"	<30	<30	<30	<30	<30

TABLE 2[(1)]

NPI VOC RESULTS FOR SOIL SAMPLES - JUNE 2009 GEOPROBE INVESTIGATION

Geoprobe ID	Sample Interval (ft bgs)	Lab Type	NPI VOC Concentration (µg/kg)				
			l, l - DCA	l, l - DCE	PCE	l, l, l - TCA	TCE
GP-33	0-4	Mobile	<25	<25	<25	<25	<25
	4-8	"	<31	<31	<31	<31	<31
	8-12	"	<28	<28	<28	<28	<28
	12-16	"	<30	<30	<30	<30	<30
	16-20	"	<30	<30	<30	<30	<30
GP-34	0-4	Mobile	<29	<29	<29	<29	<29
	4-8	"	<27	<27	<27	<27	<27
	8-12	"	<28	<28	<28	<28	<28
	12-16	"	<26	<26	<26	<26	<26
	16-20	"	<32	<32	<32	<32	<32
GP-35	0-4	Mobile	<32	<32	<32	<32	<32
	4-8	"	<20	<20	<20	<20	<20
	8-12	"	<25	<25	<25	<25	<25
	12-16	"	<31	<31	<31	<31	<31
	16-20	"	<29	<29	<29	<29	<29

NOTES:
Concentrations are in micrograms per kilogram (µg/kg) on a dry weight basis.
Sample intervals are in feet below ground surface (ft bgs).

FOOTNOTE:
(1) Soil data not tabulated in the original August 2009 source document; copies of the laboratory reports with the analytical data were provided instead.

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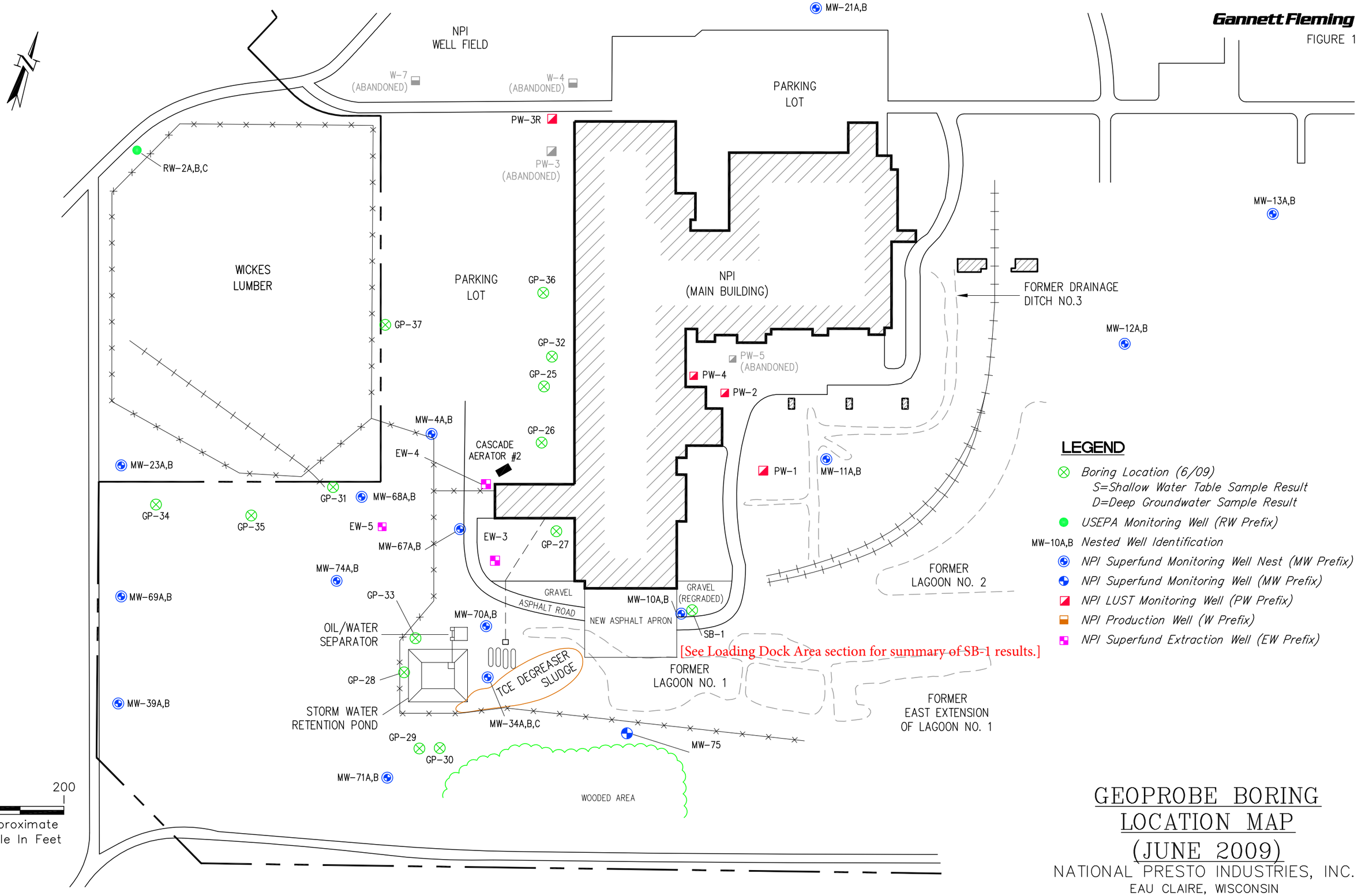
FIGURE 1



LEGEND

- Boring Location (6/09)
  S=Shallow Water Table Sample Result
  D=Deep Groundwater Sample Result
- USEPA Monitoring Well (RW Prefix)
- MW-10A,B Nested Well Identification
- NPI Superfund Monitoring Well Nest (MW Prefix)
- NPI Superfund Monitoring Well (MW Prefix)
- NPI LUST Monitoring Well (PW Prefix)
- NPI Production Well (W Prefix)
- NPI Superfund Extraction Well (EW Prefix)

GEOPROBE BORING LOCATION MAP (JUNE 2009)

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

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NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 1

BUILDING 105 SOIL AND SOIL GAS SAMPLE RESULTS (ppb)

Sample No. (Depth)	1,1,1-Trichloroethane	Methylene Chloride	Naphthalene	Tetrachloroethene
IB-1 (0-4')	<42.1	<33.5	**73.2** S2H	<48.6
IB-1 (4-8')	<40.6	<32.2	<44.7	<46.8
IB-1 (8-12')	<40.2	<31.9	<44.3	**58.3**
IB-1 (12-16')	<47.6	<37.8	<52.5	<54.9
IB-1 (26.5-28') Soil Gas	**9.95**	<2.00	<5.0	<1.5
IB-2 (0-4')	<46.0	<36.6	<50.7	<53.1
IB-2 (4-8')	<41.0	<32.6	<45.2	<47.2
IB-2 (8-12')	<42.9	<34.2	<47.3	<49.5
IB-2 (12-16')	<39.0	<31.0	<43.0	<45.0
IB-2 (26.5-28') Soil Gas	**4.03 J**	<2.00	<5.0	<1.5
IB-3 (0-4')	<46.4	<36.9	<51.2	<53.6
IB-3 (4-8')	<39.8	<31.6	<43.9	<45.9
IB-3 (8-12')	<39.0	<31.0	<43.0	<45.0
IB-3 (12-16')	<40.2	<31.9	<44.3	<46.4
IB-3 (26.5-28') Soil Gas	<2.5	<2.00	<5.0	<1.5
IB-4 (0-4')	<40.6	<32.2	<44.7 S1L, S2L, Dup	<46.8
IB-4 (4-8')	<40.6	**43.2**	<44.7	<46.8
IB-4 (8-12')	<41.0	<32.6	<45.2	<47.2
IB-4 (10-11')	<41.3	**46.9**	<45.6	<47.7
IB-5 (0-4')	<42.4	**38.5**	<45.6	<47.7
IB-5 (4-8')	<39.8	<31.6	<43.9	<45.9
IB-5 (8-12')	<40.6	<32.2	<44.7	<46.8
IB-5 (12-16')	<42.1	<33.5	<46.4	<48.6
IB-5 (26.5-28') Soil Gas	<2.5	<2.00	<5.0	<1.5
IB-6 (0-4')	<41.0	<32.6	<45.2	<47.2
IB-6 (4-8')	<40.2	**37.7**	<44.3	<46.4
IB-6 (8-12')	<39.0	**45.9**	<43.0	<45.0
IB-6 (12-16')	<41.0	**41.1**	<45.2	<47.2
IB-6 (26.5-28') Soil Gas	<2.5	<2.00	<5.0	<1.5

NOTES:
Samples were collected on September 8 and 9, 2010
Only compounds detected in one or more samples are shown.
All soil results are reported in ug/kg (ppb) on a dry weight basis.
All soil gas results are reported in µg/ℓ (ppb).
Concentrations above the detection limit are shown in bold.
PCE = Tetrachloroethene
TCA = 1,1,1-Trichloroethane
S1H = First sample matrix spike recovery was high.
S2H = Second sample matrix spike recovery was high.
S1L = First sample matrix spike recovery was low.
S2L = Second sample matrix spike recovery was low.
J = Estimated concentration below laboratory quantitation level.
Dup = Result of duplicate analysis in this QA batch exceeds the limits for precision.

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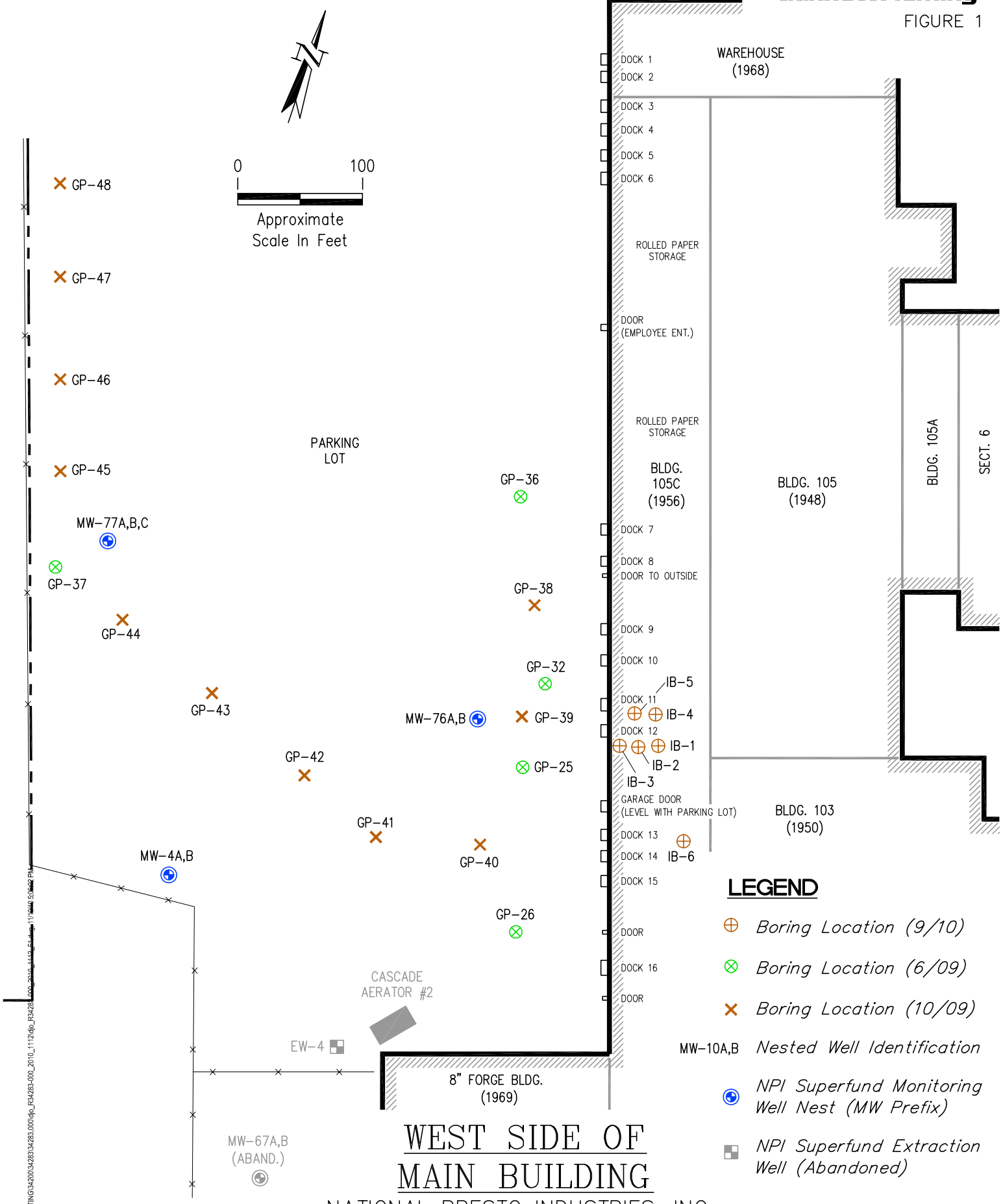
FIGURE 1



LEGEND

- Boring Location (9/10)
- Boring Location (6/09)
- Boring Location (10/09)
- MW-10A,B Nested Well Identification
- NPI Superfund Monitoring Well Nest (MW Prefix)
- NPI Superfund Extraction Well (Abandoned)

WEST SIDE OF MAIN BUILDING

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

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NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 2[(1)]

VOC RESULTS FOR SOIL SAMPLES - FEBRUARY 2011 GEOPROBE INVESTIGATION

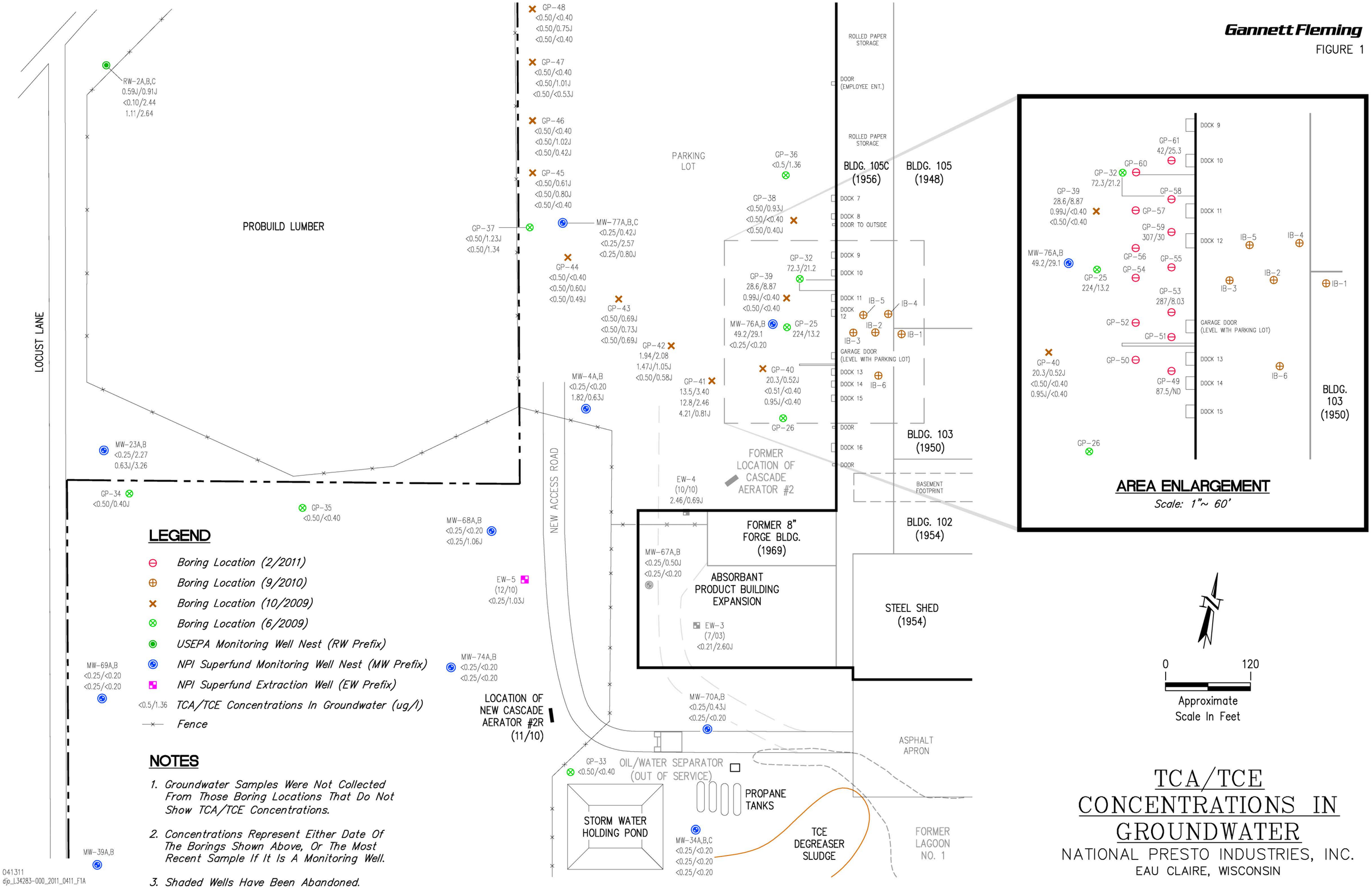
Geoprobe ID	Sample Interval (ft bgs)	VOC Concentration (µg/kg) and Results Qualifier(s) for Detected Analytes						
		l, l, l-TCA	l, l-DCA	l, l-DCE	Bromomethane[(2)]	Chloromethane[(2)]	PCE	TCE
GP-49	6-8	<39.0	<37.0	<57.0	101 MB, HT	<35.0	<45.0	<37.0
GP-50	0-2	<39.0	<37.0	<57.0	<100	46.5 MB, HT	<45.0	<37.0
GP-51	2-4	<39.0	<37.0	<57.0	<100	<35.0	<45.0	<37.0
GP-52	2-4	<39.0	<37.0	<57.0	<100	35.4 MB, HT	<45.0	<37.0
GP-53	2-4	<39.0	<37.0	<57.0	109 MB, HT	38.6 MB, HT	<45.0	<37.0
GP-54	6-8	<39.0	<37.0	<57.0	<100	37.2 MB, HT	<45.0	<37.0
GP-55	6-8	<39.0	<37.0	<57.0	<100	36.3 MB, HT	<45.0	<37.0
GP-56	0-2	<39.0	<37.0	<57.0	123 MB	47.9 MB	<45.0	<37.0
GP-57	2-4	<39.0	<37.0	<57.0	<100	47.6 MB	<45.0	<37.0
GP-58	0-2	<39.0	<37.0	<57.0	104 MB	39.6 MB	<45.0	<37.0
GP-59	0-2	<39.0	<37.0	<57.0	132 MB	48.6 MB	<45.0	<37.0
GP-60	0-2	<39.0	<37.0	<57.0	116 MB	43.5 MB	<45.0	<37.0
GP-61	6-8	<39.0	<37.0	<57.0	117 MB	48.3 MB	<45.0	<37.0

NOTES:
Concentrations are in micrograms per kilogram (µg/kg) on a dry weight basis.
Sample intervals are in feet below ground surface (ft bgs).
HT = This result was analyzed outside of the EPA recommended holding time.
MB = Analyte observed in method blank. Sample result may be biased high.

FOOTNOTES:
(1) Soil data not tabulated in the original April 2011 source document; a copy of the laboratory report with the analytical results was provided instead.
(2) Detection of bromomethane and chloromethane attributed to laboratory contamination; all NPI VOCs were non-detect.

Gannett Fleming

FIGURE 1



LEGEND

- Boring Location (2/2011)
- Boring Location (9/2010)
- Boring Location (10/2009)
- Boring Location (6/2009)
- USEPA Monitoring Well Nest (RW Prefix)
- NPI Superfund Monitoring Well Nest (MW Prefix)
- NPI Superfund Extraction Well (EW Prefix)
- <0.5/1.36 TCA/TCE Concentrations In Groundwater (ug/l)
- Fence

NOTES

1. Groundwater Samples Were Not Collected From Those Boring Locations That Do Not Show TCA/TCE Concentrations.
2. Concentrations Represent Either Date Of The Borings Shown Above, Or The Most Recent Sample If It Is A Monitoring Well.
3. Shaded Wells Have Been Abandoned.

TCA/TCE CONCENTRATIONS IN GROUNDWATER

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

041311
djp_L34283-000_2011_0411_F1A

L:\DRAFTING\34200\34283\34283.000\djp_L34283-000_2011_0411\djp_L34283-000_2011_0408_F01A.dwg, 4/13/11 5:25:41 PM, PDF995

Gannett Fleming

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 1

VOC RESULTS FOR SOIL SAMPLES
NOVEMBER 2013 GEOPROBE INVESTIGATION

Sample No. (depth below grade)	Analytes				
	l, l - DCA	l, l - DCE	PCE	l, l, l - TCA	TCE
GP-62 (2.5-5')	<22	<22	<22	<22	<22
GP-63 (5-7.5')	<28	<28	<28	<28	<28
GP-63 (10-12.5')	<30	<30	<30	<30	<30
GP-64 (2.5-5')	<22	<22	<22	<22	<22
GP-64 (5-7.5')	<27	<27	<27	<27	<27
GP-65 (2.5-5')	<29	<29	<29	<29	<29

NOTE:
Concentrations are in ug/kg (ppb).

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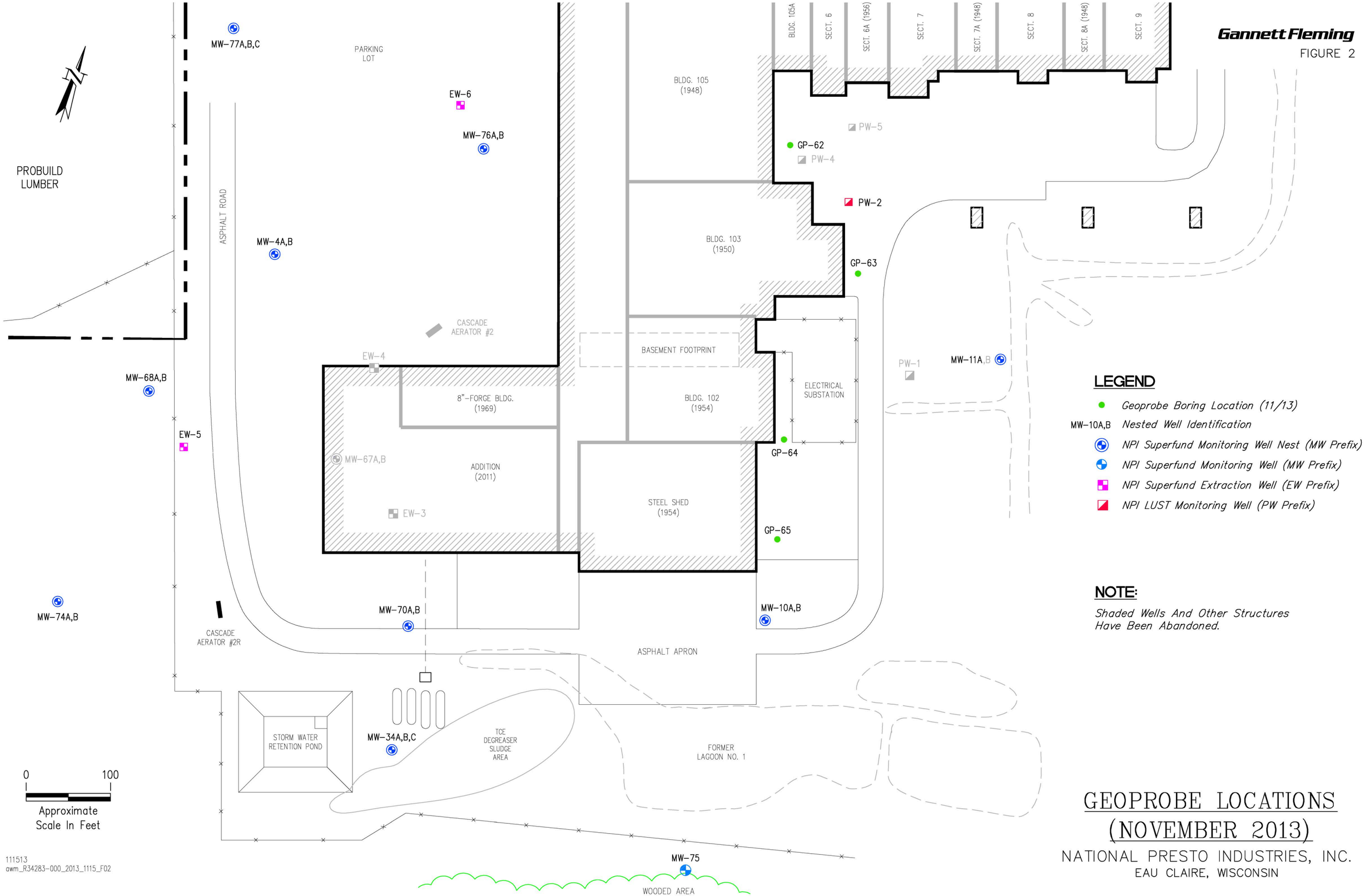
FIGURE 2



LEGEND

- ● *Geoprobe Boring Location (11/13)*
- MW-10A,B *Nested Well Identification*
- *NPI Superfund Monitoring Well Nest (MW Prefix)*
- *NPI Superfund Monitoring Well (MW Prefix)*
- *NPI Superfund Extraction Well (EW Prefix)*
- *NPI LUST Monitoring Well (PW Prefix)*

NOTE:

Shaded Wells And Other Structures Have Been Abandoned.

0 100

Approximate Scale In Feet

GEOPROBE LOCATIONS (NOVEMBER 2013)

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

111513
awm_R34283-000_2013_1115_F02

L:\GRAFTING\34200\34283\34283.000\awm_R34283-000_2013_1115\awm_R34283-000_2013_1115_F02.dwg, 12/19/2013 8:08:03 PM, PDF995

APPENDIX F-18

SOUTHWEST PROPERTY CORNER SOIL DATA

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 1

ANALYTICAL RESULTS FOR WDNR PAHs - SOUTHWEST PROPERTY CORNER (mg/kg)

Analyte	Sample ID						USEPA RBC (1)	WDNR RCL (2)
	SWCP-1	SWCP-1D	SWCP-2	SWCP-3	SWCP-4	SWCP-5		
WDNR Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8310								
Acenaphthene	<0.037	<0.0037	<0.076	<0.075	<0.0037	<0.0038	4,700	900
Acenaphthylene	<0.027	<0.0027	<0.055	<0.055	<0.0027	<0.0028	NS	18
Anthracene	<0.01	<0.001	<0.02	<0.02	<0.001	<0.001	23,000	5,000
Benzo(a)Anthracene	<0.02	<0.002	<0.041	<0.041	<0.002	<0.0021	0.88	0.088
Benzo(a)Pyrene	<0.02	<0.002	<0.041	<0.041	<0.002	<0.0021	0.088	0.0088
Benzo(b)Fluoranthene	<0.01	<0.001	<0.02	<0.02	<0.001	<0.001	0.88	0.088
Benzo(k)Fluoranthene	<0.01	<0.001	<0.02	<0.02	<0.001	<0.001	8.8	1.8
Benzo(ghi)Perylene	<0.017	<0.0017	<0.035	<0.034	<0.0017	<0.0018	NS	0.88
Chrysene	<0.013	<0.0013	<0.027	<0.026	<0.0013	<0.0013	88	8.8
Dibenzo(a,h)Anthracene	<0.02	<0.002	<0.041	<0.041	<0.002	<0.0021	0.088	0.0088
Fluoranthene	<0.013	<0.0013	<0.027	<0.026	<0.0013	<0.0013	3,100	600
Fluorene	<0.013	<0.0013	<0.027	<0.026	<0.0013	<0.0013	3,100	600
Indeno(1,2,3-cd)Pyrene	<0.013	<0.0013	<0.027	<0.026	<0.0013	<0.0013	0.88	0.088
1-Methyl Naphthalene	<0.02	<0.002	<0.041	<0.041	<0.002	<0.0021	NS	1,100
2-Methyl Naphthalene	<0.023	<0.0023	<0.047	<0.047	<0.0023	<0.0024	NS	600
Naphthalene	<0.017	<0.0017	<0.035	<0.034	<0.0017	<0.0018	3,100	20
Phenanthrene	<0.027	<0.0027	<0.055	<0.055	<0.0027	<0.0028	NS	18
Pyrene	<0.058	<0.0058	0.302	<0.12	<0.0058	0.00871	2,300	500

NOTES:
Samples were collected on October 23, 1998.
NS = No standard.
SWCP-1D is a duplicate of SWCP-1.

FOOTNOTES:
(1) USEPA RBC (risk-based concentrations) for residential soils from EPA Region III RBC Table (October 4, 1995).
(2) WDNR RCL (residual contaminant level) for the direct contact pathway and non-industrial soils.
These are suggested generic RCLs from WDNR's Interim Guidance on soil cleanup levels for PAHs dated April 1997.

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

TABLE 2

ANALYTICAL RESULTS FOR METALS, VOCs, AND SVOCs - SOUTHWEST PROPERTY CORNER (mg/kg)

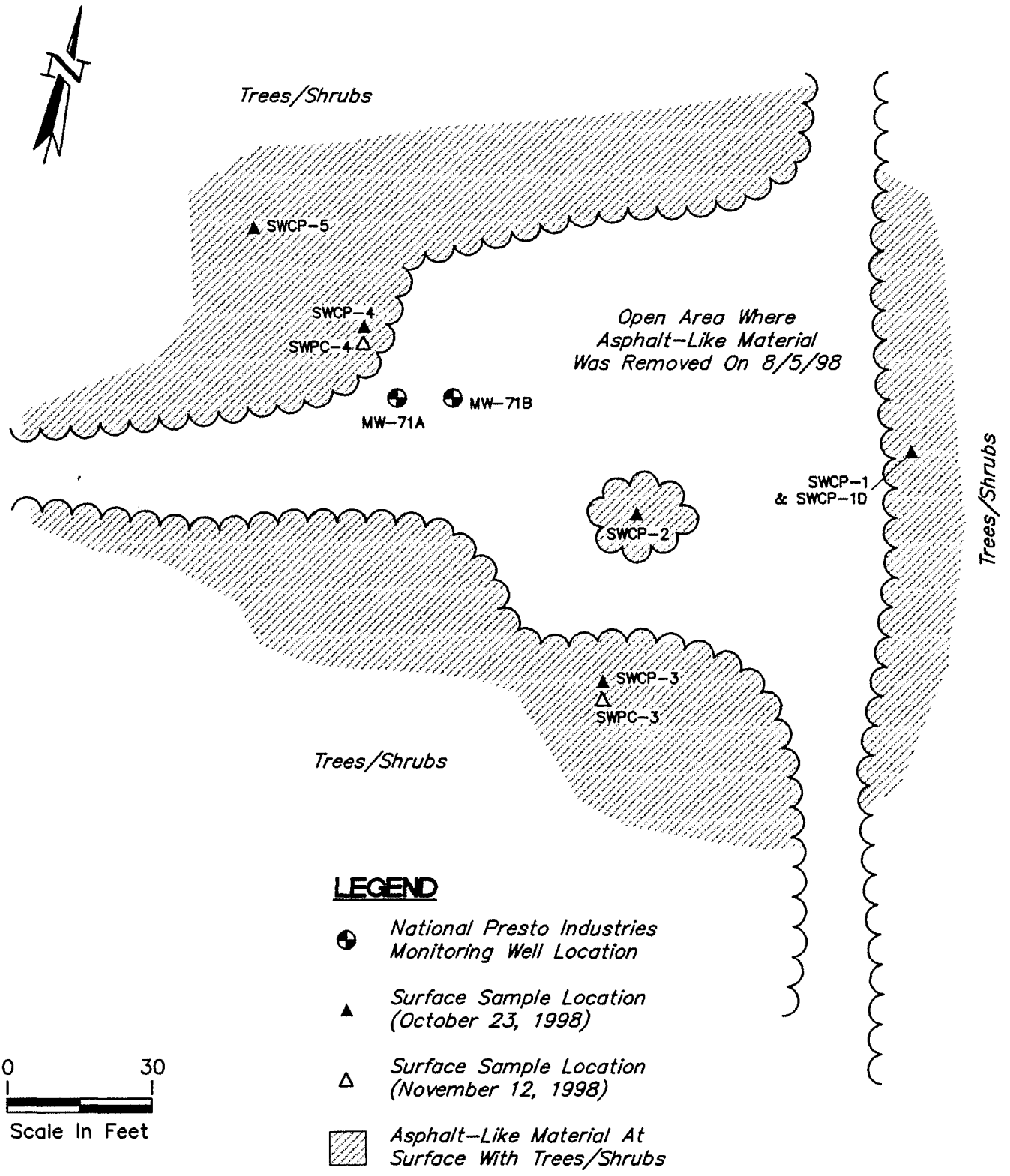
Analyte	Sample ID			Background Metal Concentrations (1)		USEPA RBC (2)	WDNR RCL (3)
	SWCP-1	SWPC-3	SWPC-4	Average	Maximum		
Metals							
Arsenic	6.19	3.13	3.73	4.01	6.45	23	0.039
Barium	115	131	134	36.6	141	5,500	NS
Cadmium	0.384	0.321	0.278	<0.11	<0.12	39	8
Chromium (4)	16.4	14.0	12.9	8.58	13	78,000	16,000
Copper	16.9	15.8	14.6	8.09	13.4	3,100	NS
Lead	33.4	46.2	30.6	<1.37	4.91	NS	50
Mercury	0.0263	0.0558	0.0412	<0.032	0.175	23	NS
Nickel	13.2	9.39	10.6	7.73	15.7	1,600	NS
Selenium	<0.61	<0.62	<0.62	<0.64	<0.71	390	NS
Silver	<0.32	<0.33	<0.33	<0.34	<0.38	390	NS
Vanadium	24.7	15.4	14.6	15.35	24.3	550	NS
Zinc	174	170	142	13.67	25.5	23,000	NS
SVOCs - by EPA Method 8270A							
All SVOCs	ND	---	---	NA	NA	NA	NA
VOCs							
Methylene chloride	0.027	<0.026	<0.026	NA	NA	85	NS
Trichlorofluoromethane	0.084	<0.026	<0.026	NA	NA	23,000	NS

NOTES:
Samples were collected from SWCP-1 on October 23, 1998 and from SWPC-3 and SWPC-4 on November 12, 1998.
--- = Not analyzed.
ND = No detect.
NS = No standard.
NA = Not applicable.

FOOTNOTES:
(1) Background metal concentrations based on soil samples collected on June 11 and 12, 1998, as reported previously.
(2) USEPA RBC (risk-based concentrations) for residential soils from EPA Region III RBC Table (October 4, 1995).
(3) WDNR RCL (residual contaminant level) for the direct contact pathway and non-industrial soils from NR 720.
(4) Chromium USEPA RBC and WDNR RCL concentrations are listed for its trivalent form.

Gannett Fleming

FIGURE 2



SOUTHWEST PROPERTY CORNER
SAMPLE LOCATION MAP

NATIONAL PRESTO INDUSTRIES, INC.

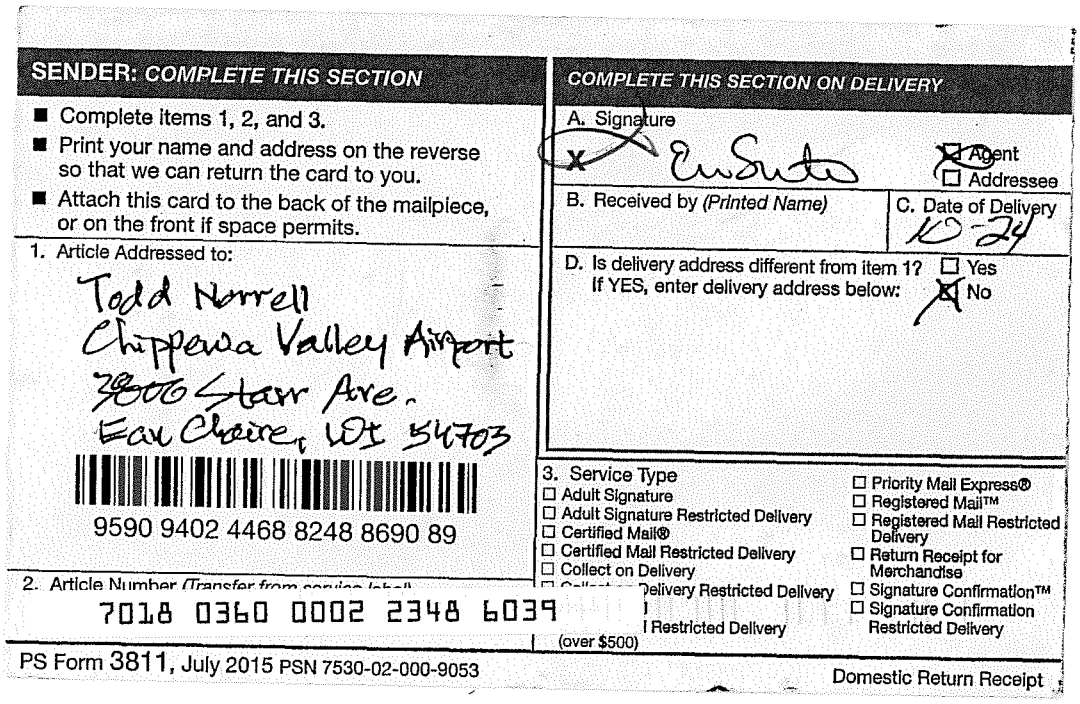
EAU CLAIRE, WISCONSIN

120398
34286WBE

APPENDIX G

NOTIFICATION LETTERS TO PROPERTY OWNERS WITH LOST MONITORING WELLS

Proof of receipt of each letter (two pages) follows.



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Todd Norrell
Chippewa Valley Airport
3000 Starr Ave.
Eau Claire, WI 54703

9590 9402 4468 8248 8690 89

2. Article Number (Transfer from service label)

7018 0360 0002 2348 6039

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X [signature] ☒ Agent ☐ Addressee

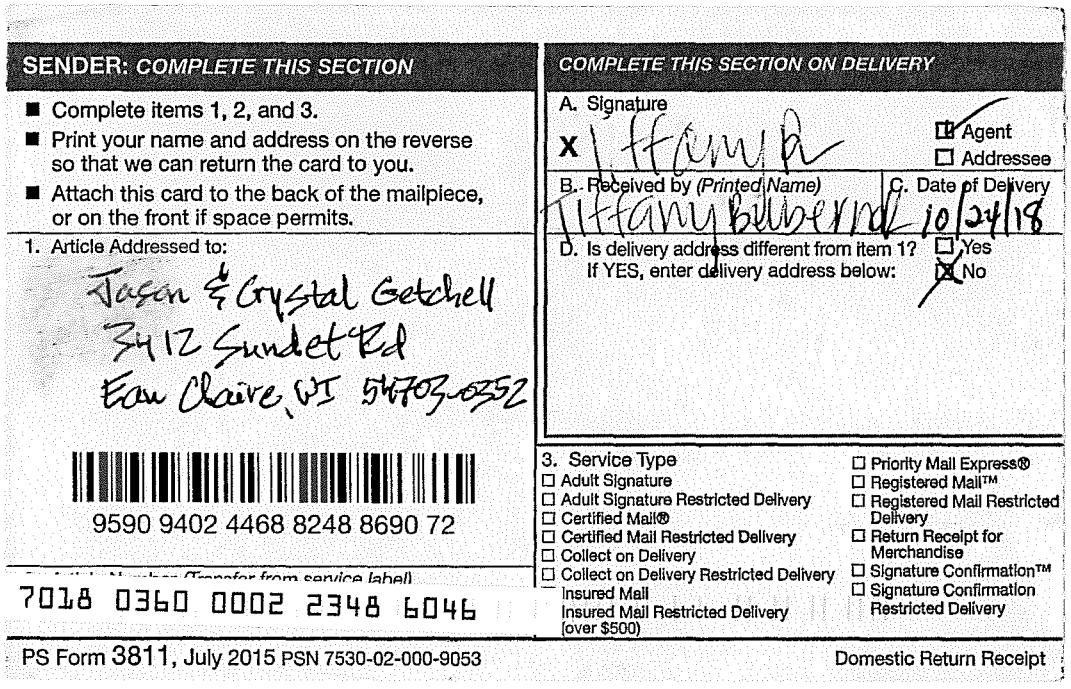
B. Received by (Printed Name) | C. Date of Delivery 10-24

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail Restricted Delivery (over $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Jason & Crystal Getchell
3412 Sundet Rd
Eau Claire, WI 54703-0252

9590 9402 4468 8248 8690 72

2. Article Number (Transfer from service label)

7018 0360 0002 2348 6046

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X [signature] ☒ Agent ☐ Addressee

B. Received by (Printed Name) Tiffany Bulverin | C. Date of Delivery 10/24/18

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Michael Ahrens
U.S. Bank
131 S. Barstow St
Eau Claire, WI 54701

9590 9402 4468 8248 8690 96

2. Article Number *(Transfer from service label)*

7018 0360 0002 2348 6022

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Brook Gwillim

C. Date of Delivery 10/24/18

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Mail
- ☐ Mail Restricted Delivery
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Jason Miller
Veritas Steel
2800 Melby St.
Eau Claire, WI 54703

9590 9402 4468 8248 8691 02

2. Article Number *(Transfer from service label)*

7018 0360 0002 2348 6015

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)*

C. Date of Delivery 10-25

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

PRESTO
National Presto Industries, Inc.
Eau Claire, WI 54703-3703

www.gopresto.com
Tel. 715-839-2121
Fax 715-839-2148
715-839-2122
715-839-2242

October 16, 2018

Todd Norrell
Chippewa Valley Airport
3800 Starr Ave
Eau Claire, WI 54703

Dear Todd:

This letter is a follow up to phone conversations with Cliff Wright at Gannett Fleming, Inc. about the following monitoring wells.

Well ID	NPI Grid Coordinate	Completion Date	Screened Interval (ft below grade)	Casing Diameter (inches)	Casing/ Screen Material	Property Street Address in Eau Claire
MW-50A	F6	9/16/91	63.4-78.4	2	PVC	3800 Starr Ave
MW-50B	"	9/15/91	95-105	"	"	"
MW-59A	"	11/8/91	62-77	"	"	"
MB-59B	"	11/19/91	129-139	"	"	"
RW-5	D8	1/18/86	82-112	"	"	"
RW-25	G3	8/13/87	55-65	"	"	"

As you know from those conversations:

- National Presto Industries, Inc. (NPI) is committed to the process of addressing the environmental concerns from nearly three decades ago. One of the next steps is to address those monitoring wells that are no longer needed.
- The referenced wells are on your property and cannot now be located for proper abandonment.

As part of NPI's commitment to the process and to you, the property owner, we are sending you this packet of information which includes an agreement, Attachment B, giving you our commitment to accept responsibility for properly filling and sealing the wells. The enclosed "Keep This Document With Your Property Records" letter explains the process in detail and contains information and language required by the Wisconsin DNR. It also includes Attachments A and B and provides a list of the additional documents in the packet. Please review the information carefully and respond with questions or provide comments within 30 days.

Sincerely,

Derrick Paul
Program Manager
dpaul@gopresto.com
Enc.

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

October 22, 2018

Todd Norrell
Chippewa Valley Airport
3800 Starr Ave
Eau Claire, WI 54703-0567

Dear Todd:

National Presto Industries, Inc. (NPI) is providing this letter to inform you of the approximate location of six missing monitoring wells remaining on your property, and of certain long-term responsibilities (continuing obligations) for which you may become responsible. NPI has investigated a release of trichloroethylene (TCE) on 3925 N Hastings Way, Eau Claire, WI 54703 that necessitated the placement of these monitoring wells on your property, which cannot now be located for proper abandonment.

NPI will be requesting that the Department of Natural Resources (DNR) list the site on the Wisconsin Remediation and Redevelopment Database as having WI Continuing Obligations. Continuing obligations may be imposed as a condition of remedial action approval.

You have 30 days to comment on Attachments A and B and on the proposed remedial action request:

Attachment A provides a legal description of your property. Please review it and notify Cliff Wright (608/836-1500 x6722) at Gannett Fleming, Inc., 8025 Excelsior Dr, Madison, WI 53717 within the next 30 days if the legal description is incorrect.

The DNR will not review NPI's remedial action approval request for at least 30 days after the date of receipt of this letter. As an affected property owner, you have a right to contact the DNR to provide any technical information that you may have that indicates that remedial action approval should not be granted for this site. If you would like to submit any information that is relevant to this remedial action approval request, or if you want to waive the 30-day comment period, you should mail that information to the DNR contact: Mae Willkom, DNR, 1300 W Clairmont Ave, Eau Claire, WI 54701 or at Mae.Willkom@wisconsin.gov.

Your Long-Term Responsibilities as a Property Owner and Occupant:
The continuing obligations NPI is proposing that affect your property are listed below, under the heading **Continuing Obligations**. Under s. 292.12 (5), Wis. Stats., current and future owners and occupants of this property are responsible for complying with continuing obligations imposed as part of an approved remedial action.

The fact sheet "Continuing Obligations for Environmental Protection" (DNR publication RR 819) has been included with this letter, to help explain the responsibilities you may have for maintenance of a certain continuing obligation, the limits of any liability for investigation and cleanup of contamination, and how these differ. If the fact sheet is lost, you may obtain copies at: http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf.

Contract for responsibility for continuing obligation:
Before NPI requests remedial action approval, NPI will inform the DNR that you will be responsible for contacting NPI about the abandonment of the lost well(s) on your property. Under s. 292.12, Wis. Stats., the responsibility for maintaining all necessary continuing obligations for your property will fall on you or any subsequent property owner, unless another person has a legally enforceable responsibility to comply with the requirements of the remedial action approval letter. Attachment B to this notification letter provides a written agreement between you and NPI that NPI will properly abandon the lost well(s) on your property, if found. Please review Attachment B and notify Cliff Wright (608/836-1500 x6722) at Gannett Fleming, Inc., 8025 Excelsior Drive, Madison, WI 53717 within the next 30 days if the agreement is incorrect and/or not legally enforceable.

If you need more time to finalize an agreement on the responsibility for the continuing obligations on your Property, you may request additional time from the DNR contact identified in **Contact Information.**

(Note: Future property owners would need to negotiate a new agreement.)

Continuing Obligations on Your Property:
As part of the cleanup, NPI is proposing that the following continuing obligations be used at your property, to address future responsibility for well abandonment. If NPI's remedial action approval request is approved, you will be responsible for the following continuing obligations.

Filling and Sealing Monitoring Wells:
A monitoring well or wells remain on your property. NPI was unable to locate these monitoring well(s) to properly fill and seal them because they were paved over, covered or removed during site development activities. When located, the remaining well(s) need to be filled and sealed in accordance with ch. NR 141, Wis. Adm. Code. Documentation of well filling and sealing needs to be provided to the DNR on form 3300-005, at:
http://dnr.wi.gov/files/pdf/forms/3300/3300-005.pdf.

A map, Figure 1 is attached, which shows the locations of monitoring wells MW-50A/B, MW-59A/B, RW-5, and RW-25. You will also need to notify any future owners or occupants of this property of the need to maintain the continuing obligation.

GIS Registry and Well Construction Requirements:
If this remedial action request is approved, all properties within the site boundaries where contamination remains, or where a continuing obligation is applied, will be listed on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web, at: http://dnr.wi.gov/topic/Brownfields/clean.html.

Inclusion on this database provides public notice of remaining contamination and of any continuing obligations. Documents can be viewed on this database, and include items such as final closure letters, remedial action approvals, site maps and any applicable maintenance plans. The location of the site may also be viewed on the Remediation and Redevelopment Sites Map (RR Sites Map) at the same Web address listed above.

Remedial Action Approval:
If the DNR grants remedial action approval, you will receive a letter which defines the specific continuing obligations on your property. The status of the remedial action approval may also be checked by searching BRRTS on the Web. You may view or download a copy of the remedial action approval letter (sent to the responsible party) from BRRTS on the Web. You may also request a copy of the remedial action approval letter from the **responsible party** or by writing to the DNR contact, Mae Willkom at Mae.Willkom@wisconsin.gov, 715/839-3748.

The remedial action approval letter will contain a description of the continuing obligation and any prohibitions on activities. If you have any questions regarding this notification, I can be reached at 608/836-1500 x6722.

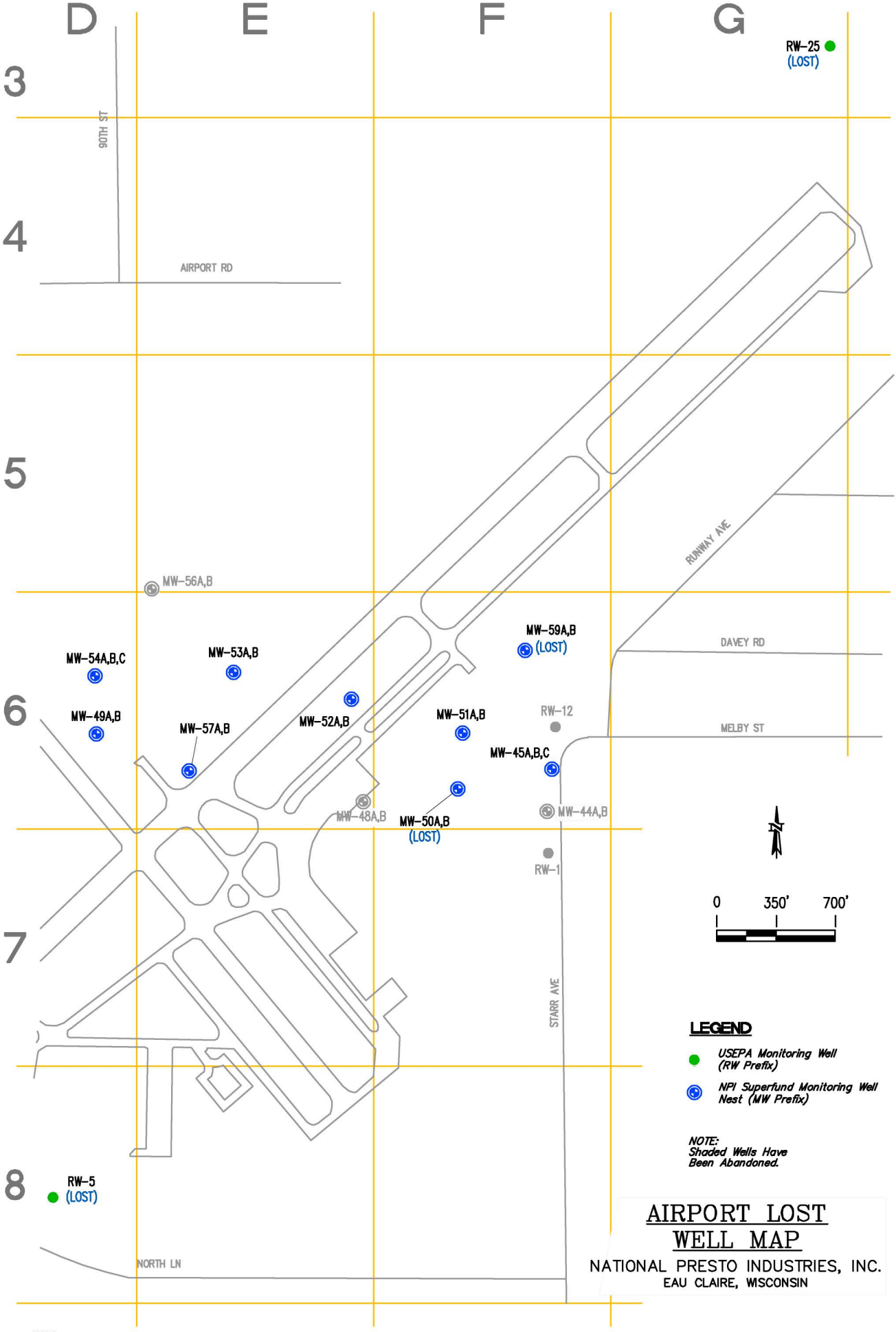
Signature of the environmental consultant for the responsible party	Date signed
	10/22/2018

Cliff Wright, P.E., P.G.

Attachments and enclosures:
Cover letter from NPI.
Map showing location of well(s).
Contact information.
Legal description of parcel (Attachment A).
Lost well abandonment agreement (Attachment B).
Factsheet RR 819, Continuing Obligations for Environmental Protection.

Gannett Fleming

FIGURE 1



AIRPORT LOST WELL MAP

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

092018

ccw_L34283-000_2018_01AB_F01

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

CONTACT INFORMATION (OCTOBER 2018)

Responsible Party (RP) contact:
Derrick Paul
National Presto Industries, Inc.
3925 N. Hastings Way
Eau Claire, WI 54703-0485
715/839-2141
dpaul@gopresto.com

Environmental consultant contact for RP:
Cliff Wright
Gannett Fleming, Inc.
8025 Excelsior Dr.
Madison, WI 53717-1900
608/836-1500 x6722
cwright@gfnet.com

Department contact:
Mae Willkom
Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
1300 W. Clairemont Avenue
P.O. Box 4001
Eau Claire, WI 54701
715/839-3748
Mae.Willkom@wisconsin.gov

ATTACHMENT A

LEGAL DESCRIPTION

Parcel 1:

That part of Sections 27, 28, 32 and 33, Township 28 North, Range 9 West, City of Eau Claire, Chippewa County, Wisconsin, described as follows:

Beginning at a point on the North line of Section 4, Township 27 North, Range 9 West which is 33 feet West of the North Quarter corner of said Section 4; thence West along the North line of said Section 4 to the West line of Neptune Avenue and the Northwest corner of Section 4, Township 27 North, Range 9 West being also the Northeast corner of Section 5, Township 27 North, Range 9 West; thence West along said North line of Section 5 to a point which is 1,499 feet distant, more or less; thence N19°25'W, 1,263.98 feet; thence N44°35'E, 761.12 feet to the West line of the NE¼ of the SE¼ of Section 32, Township 28 North, Range 9 West (Centerline of Guthrie Road); thence N1°53'30"W, 910.7 feet along said West line (Centerline of Guthrie Road), to the North line of said NE¼ of the SE¼; thence N1°02'W, 453.5 feet along the West line of said SE¼ of the NE¼ of Section 32 (Centerline of Guthrie Road); thence N40°38'W, 1,153.3 feet to the South line of the NW¼ of the NE¼ of Section 32; thence S89°13'W, 570.2 feet along said South line to the waters edge of the Chippewa River; thence Northerly along said waters edge of the Chippewa River 1,420 feet, more or less, to the North line of Section 32; thence N88°51'30"E 973.2 feet along said North line of Section 32 to the West line of the NE¼ of NE¼ of said Section 32; thence Easterly 1,318.7 feet along said North line of Section 32 to the Northeast corner of said Section 32; thence Easterly 2,566.64 feet along the North line of Section 33, Township 28 North, Range 9 West; thence N44°35'E, 22.72 feet to the West line of the SW¼ of the SE¼ of Section 28, Township 28 North, Range 9 West; thence N0°22'W, 1,308.48 feet to the Northwest corner of Said SW¼ of the SE¼; thence N88°40'E, 881.26 feet along the North line of said SW¼ of SE¼; thence N48°28'E, 2,053.8 feet to the North line of the S½ of Section 28; thence N88°36'30"E, 200.00 feet to the East Quarter Corner of said Section 28; thence N89°18'E, 968.72 feet along the North line of the S½ of Section 27, Township 28 North, Range 9 West; thence N44°35"E, 370.4 feet; thence S45°25'E, 122.99 feet to the East line of the SW¼ of the NW¼ of Section 27; thence S0°02'W, 173.23 feet along said East line to the South line of said SW¼ of the
NW¼; thence S89°18'W, 63.28 feet along said South line of the SW¼ of the NW¼; thence S44°35'W, 481.58 feet; thence S45°25'E, 561.76 feet to the East line of the NW¼ of the SW¼ of Section 27; thence S0°02'W, 301.15 feet along said East line; thence S45°06'30"W, 1,360.9 feet; thence S88°36'W, 31.28 feet; thence S0°17'W, 30.58 feet; thence S45°06'30"W, 468.0 feet to the West line of Section 27; thence N0°17'E, 142.95 feet along said West line; thence S45°44'W, 439.90 feet; thence S0°17'W, 150.00 feet to the South line of said Section 27; thence S45°06'30"W, 166.20 feet; thence S44°35W, 1,176.9 feet; thence S45°25'E, 300.00 feet; thence S44°35'W, 2,058.19 feet; thence S2°28'E, 70.68 feet; thence S89°12'W, 33.01 feet to the West Right-of-Way line of Starr Avenue; thence Southerly 1,343.8 feet along said Right-of-Way; thence Westerly 297.0 feet; thence Southerly 247.5 feet; thence Easterly 297.0 feet to the West Right-of-Way line Starr Avenue; thence Southerly along said Right-of-Way 295.3 feet; thence Westerly 280.0 feet; thence Southerly 274.0 feet; thence Easterly 280.0 feet to the West Right-of-Way line Starr Avenue; thence Southerly 560 feet along said Right-of-Way to the point of beginning.

Included in this description is Lot 1, Chippewa County Certified Survey Map No. 280 recorded in volume 1 of the Certified Survey Maps on pages 384 - 385 as Document No. 396419.

EXCEPT those portions used for public roadway purposes.

(Continued on Next Page)

(Continuation of Airport description)

Parcel 2:

Lot 1, Chippewa County Certified Survey Map No. 493 recorded in Volume 1 of the Certified Survey Maps on pages 698 - 700 as Document No. 421618, City of Eau Claire, Chippewa County, Wisconsin.

Parcel 3:

Lot 1, Chippewa County Certified Survey Map No. 490 recorded in Volume 1 of the Certified Survey Maps on pages 693 - 694 as Document No. 421384, Town of Hallie, Chippewa County, Wisconsin.

Parcel 4:

Lot 1, Chippewa County Certified Survey Map No. 491 recorded in Volume 1 of the Certified Survey Maps on pages 695 - 696 as Document No. 421385, City of Eau Claire, Chippewa County, Wisconsin.

Parcel 5:

Part of Block 3, Chippewa Valley Development Addition, City of Eau Claire, Chippewa County, Wisconsin described as follows:

Commencing at the Northeast corner of said Block 3; thence S88°43'00"W, along the North line of said Block, 280.45 feet; thence S45°06'30"W, along the West line of said Block, 166.02 feet; thence S44°35'00"W, along the West line of said Block, 1173.40 feet; thence S45°25'00"E 300.10 feet to the Northwesterly line of Runway Avenue; thence N44°35'00"E, along said Northwesterly line, 1002.48 feet; thence Northeasterly along the arc of a curve concave Southeasterly, the long chord which bears N66°36'30"E, 174.76 feet and having a radius of 233.00 feet; thence N88°38'00"E, along the Northerly line of Runway Avenue, 163.26 feet to the intersection of the East line of said block 3 and the West line of White Avenue; thence N02°54'00"W, along the East line of said block, 383.06 feet to the point of beginning.

Tax Parcel No. 22809-3340-00000000

ATTACHMENT B
LOST WELL ABANDONMENT AGREEMENT

October 22, 2018

Tax Parcel Number: 22809-3340-00000000
Street address in Eau Claire, Wisconsin: 3800 Starr Avenue

This Lost Well Abandonment Agreement ("Agreement") is made as of this date, between the owner of the subject parcel ("Property Owner") and National Presto Industries, Inc. (NPI). Said Property Owner and NPI are sometimes referred to herein as a "Party" or the "Parties."

If the lost well(s) on the parcel is/are found, then the Parties agree that the Property Owner will contact NPI and grant NPI, or a qualified contractor on NPI's behalf, access to the parcel to properly fill and seal the well(s) in accordance with ch. NR 141, Wis. Adm. Code.

Remediation and Redevelopment Program June 2017

Continuing Obligations for Environmental Protection
Responsibilities of Wisconsin Property Owners
Wis. Stat. § 292.12

Purpose
This fact sheet is intended to help property owners understand their legal requirements under s. 292.12, Wis. Stats., regarding continuing obligations that arise due to the environmental condition of their property.

Introduction

The term "continuing obligations" refers to certain actions for which property owners are responsible following a completed environmental cleanup. They are sometimes called environmental land use controls or institutional controls. These legal obligations, such as a requirement to maintain pavement over contaminated soil, are most often found in a cleanup approval letter from the state.

Less commonly, a continuing obligation may apply where a cleanup is not yet completed but a cleanup plan has been approved, or at a property owned by a local government that is exempt from certain cleanup requirements.

What Are Continuing Obligations?

Continuing obligations are legal requirements designed to protect public health and the environment in regard to contamination that remains on a property.

Continuing obligations still apply after a property is sold. Each new owner is responsible for complying with the continuing obligations.

Background

Wisconsin, like most states, allows some contamination to remain after cleanup of soil or groundwater contamination (residual contamination). This minimizes the transportation of contamination and reduces cleanup costs while still ensuring that public health and the environment are protected.

The Department of Natural Resources (DNR), through its Remediation and Redevelopment (RR) Program, places sites or properties with residual contamination on a public database in order to provide notice to interested parties about the residual contamination and any associated continuing obligations. Please see the "Public Information" section on page 3 to learn more about the database. (Prior to June 3, 2006, the state used deed restrictions recorded at county courthouses to establish continuing obligations, and those deed restrictions have also been added into the database.)

Types of Continuing Obligations

1. **Manage Contaminated Soil that is Excavated**

   If the property owner intends to dig up an area with contaminated soil, the owner must ensure that proper soil sampling, followed by appropriate treatment or disposal, takes place. Managing contaminated soil must be done in compliance with state law and is usually done under the guidance of a private environmental professional.

Publication: RR-819
dnr.wi.gov Search: Continuing Obligations

2. **Manage Construction of Water Supply Wells**

   If there is soil or groundwater contamination and the property owner plans to construct or reconstruct a water supply well, the owner must obtain prior DNR approval to ensure that well construction is designed to protect the water supply from contamination.

Other Types of Continuing Obligations

Some continuing obligations are designed specifically for conditions on individual properties. Examples include:

- keeping clean soil and vegetation over contaminated soil;
- keeping an asphalt "cover" over contaminated soil or groundwater;
- maintaining a vapor venting system; and
- notifying the state if a structural impediment (e.g. building) that restricted the cleanup is removed. The owner may then need to conduct additional state-approved environmental work.

It is common for properties with approved cleanups to have continuing obligations because the DNR generally does not require removal of all contamination.

Property owners with the types of continuing obligations described above will find these requirements described in the state's cleanup approval letter or cleanup plan approval, and *must*:

- comply with these property-specific requirements; and
- obtain the state's permission before changing portions of the property where these requirements apply.

The requirements apply whether or not the person owned the property at the time that the continuing obligations were placed on the property.

Changing a Continuing Obligation

A property owner has the option to modify a continuing obligation if environmental conditions change. For example, petroleum contamination can degrade over time and property owners may collect new samples showing that residual contamination is gone. They may then request that the DNR modify or remove a continuing obligation. Fees are required for the DNR's review of this request and for processing the change to the database ($1050 review fee, $300/$350 database fee). Fees are subject to change; current fees are found in Wis. Admin. § NR 749 online at http://docs.legis.wisconsin.gov/code/admin_code/nr/700/749.

Public Information

The DNR provides public information about continuing obligations on the Internet. This information helps property owners, purchasers, lessees and lenders understand legal requirements that apply to a property. The DNR has a comprehensive database of contaminated and cleaned up sites, *BRRTS on the Web*. This database shows all contamination activities known to the DNR. Site specific documents are found under the *Documents* section. The information includes maps, deeds, contaminant data and the state's closure letter. The closure letter states that no additional environmental cleanup is needed for past contamination and includes information on property-specific continuing obligations. If a cleanup has not been completed, the state's approval of the remedial action plan will contain the information about

continuing obligations.

Properties with continuing obligations can generally be located in the DNR's *RR Sites Map*. RR Sites Map provides a map view of contaminated and cleaned up sites, including sites with continuing obligations, and links to BRRTS on the Web. *BRRTS on the Web* and *RR Sites Map* are part of the Wisconsin Remediation and Redevelopment Database (WRRD) at http://dnr.wi.gov/topic/Brownfields/wrrd.html.

If a completed cleanup is shown in *BRRTS on the Web* but the site documents cannot be found in the documents section, the DNR's closure letter can still be obtained from a regional office. For assistance, please contact a DNR Environmental Program Associate (see the RR Program's Staff Contact web page at dnr.wi.gov/topic/Brownfields/Contact.html).

Off-Site Contamination: When Continuing Obligations Cross the Property Line

An off-site property owner is someone who owns property that has been affected by contamination that moved through soil, sediment or groundwater from another property. Wis. Stat. § 292.13 provides an exemption from environmental cleanup requirements for owners of "off-site" properties. The DNR will generally not ask off-site property owners to investigate or clean up contamination that came from a different property, as long as the property owner allows access to his or her property so that others who are responsible for the contamination may complete the cleanup.

However, off-site property owners are legally obligated to comply with continuing obligations on their property, even though they did not cause the contamination. For example, if the state approved a cleanup where the person responsible for the contamination placed clean soil over contamination on an off-site property, the owner of the off-site property must either keep that soil in place or obtain state approval before disturbing it.

Property owners and others should check the *Public Information* section above if they need to:

- determine whether and where continuing obligations exist on a property;
- review the inspection, maintenance and reporting requirements, and
- contact the DNR regarding changing that portion of the property. The person to contact is the person that approved the closure or remedial action plan.

Option for an Off-Site Liability Exemption Letter

In general, owners of off-site properties have a legal exemption from environmental cleanup requirements. This exemption does not require a state approval letter. Nonetheless, they may request a property-specific liability exemption letter from the DNR if they have enough information to show that the source of the contamination is not on their property. This letter may be helpful in real estate transactions. The fee for this letter is $700 under Chapter NR 749, Wis. Adm. Code. For more information about this option, please see the RR Program's Liability web page at dnr.wi.gov/topic/Brownfields/Liability.html.

Legal Obligations of Off-Site Property Owners

- Allow access so the person cleaning up the contamination may work on the off-site property (unless the off-site owner completes the cleanup independently).
- Comply with any required continuing obligations on the off-site property.

Required Notifications to Off-Site Property Owners

1. The person responsible for cleaning up contamination must notify affected property owners of any proposed continuing obligations on their off-site property **before** asking the DNR to approve the cleanup. This is required by law and allows the off-site owners to provide the DNR with any technical information that may be relevant to the cleanup approval.

   When circumstances are appropriate, an off-site neighbor and the person responsible for the cleanup may enter into a "legally enforceable agreement" (i.e. a contract). Under this type of private agreement, the person responsible for the contamination may also take responsibility for maintaining a continuing obligation on an off-site property. This agreement would not automatically transfer to future owners of the off-site property. The state is not a party to the agreement and cannot enforce it.

2. If a cleanup proposal that includes off-site continuing obligations is approved, the DNR will send a letter to the off-site owners detailing the continuing obligations that are required for their property. Property owners should inform anyone interested in buying their property about maintaining these continuing obligations. For residential property, this would be part of the real estate disclosure obligation.

More Information

For more information, please visit the RR Program's Continuing Obligations website at dnr.wi.gov/topic/Brownfields/Residual.html.

PRESTO
National Presto Industries, Inc.
Eau Claire, WI 54703-3703

www.gopresto.com
Tel. 715-839-2121
Fax 715-839-2148
715-839-2122
715-839-2242

October 16, 2018

Jason and Crystal Getchell
3412 Sundet Rd
Eau Claire, WI 54703-0352

Dear Jason and Crystal:

This letter is a follow up to phone conversations with Cliff Wright at Gannett Fleming, Inc. about the following monitoring well.

Well ID	NPI Grid Coordinate	Completion Date	Screened Interval (ft below grade)	Casing Diameter (inches)	Casing/ Screen Material	Property Street Address in Eau Claire
WW-12	J4	9/27/85	17-27	2	PVC	3412 Sundet Rd

As you know from those conversations:

- National Presto Industries, Inc. (NPI) is committed to the process of addressing the environmental concerns from nearly three decades ago. One of the next steps is to address those monitoring wells that are no longer needed.
- The referenced well is on your property and cannot now be located for proper abandonment.

As part of NPI's commitment to the process and to you, the property owner, we are sending you this packet of information which includes an agreement, Attachment B, giving you our commitment to accept responsibility for properly filling and sealing the well.

The enclosed "Keep This Document With Your Property Records" letter explains the process in detail and contains information and language required by the Wisconsin DNR. It also includes Attachments A and B and provides a list of the additional documents in the packet.

Please review the information carefully and respond with questions or provide comments within 30 days.

Sincerely,

Derrick Paul
Program Manager
dpaul@gopresto.com

Enc.

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

October 22, 2018

Jason and Crystal Getchell
3412 Sundet Rd
Eau Claire, WI 54703-0352

Dear Jason and Crystal:

National Presto Industries, Inc. (NPI) is providing this letter to inform you of the approximate location of a missing monitoring well remaining on your property, and of certain long-term responsibilities (continuing obligations) for which you may become responsible. NPI has investigated a release of trichloroethylene (TCE) on 3925 N Hastings Way, Eau Claire, WI 54703 that necessitated the placement of a monitoring well on your property, which cannot now be located for proper abandonment.

NPI will be requesting that the Department of Natural Resources (DNR) list the site on the Wisconsin Remediation and Redevelopment Database as having WI Continuing Obligations. Continuing obligations may be imposed as a condition of remedial action approval.

You have 30 days to comment on Attachments A and B and on the proposed remedial action request:

Attachment A provides a legal description of your property. Please review it and notify Cliff Wright (608/836-1500 x6722) at Gannett Fleming, Inc., 8025 Excelsior Dr, Madison, WI 53717 within the next 30 days if the legal description is incorrect.

The DNR will not review NPI's remedial action approval request for at least 30 days after the date of receipt of this letter. As an affected property owner, you have a right to contact the DNR to provide any technical information that you may have that indicates that remedial action approval should not be granted for this site. If you would like to submit any information that is relevant to this remedial action approval request, or if you want to waive the 30-day comment period, you should mail that information to the DNR contact: Mae Willkom, DNR, 1300 W Clairmont Ave, Eau Claire, WI 54701 or at Mae.Willkom@wisconsin.gov.

Your Long-Term Responsibilities as a Property Owner and Occupant:
The continuing obligations NPI is proposing that affect your property are listed below, under the heading **Continuing Obligations**. Under s. 292.12 (5), Wis. Stats., current and future owners and occupants of this property are responsible for complying with continuing obligations imposed as part of an approved remedial action.

The fact sheet "Continuing Obligations for Environmental Protection" (DNR publication RR 819) has been included with this letter, to help explain the responsibilities you may have for

maintenance of a certain continuing obligation, the limits of any liability for investigation and cleanup of contamination, and how these differ. If the fact sheet is lost, you may obtain copies at: http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf.

Contract for responsibility for continuing obligation:
Before NPI requests remedial action approval, NPI will inform the DNR that you will be responsible for contacting NPI about the abandonment of the lost well(s) on your property. Under s. 292.12, Wis. Stats., the responsibility for maintaining all necessary continuing obligations for your property will fall on you or any subsequent property owner, unless another person has a legally enforceable responsibility to comply with the requirements of the remedial action approval letter. Attachment B to this notification letter provides a written agreement between you and NPI that NPI will properly abandon the lost well(s) on your property, if found. Please review Attachment B and notify Cliff Wright (608/836-1500 x6722) at Gannett Fleming, Inc., 8025 Excelsior Drive, Madison, WI 53717 within the next 30 days if the agreement is incorrect and/or not legally enforceable.

If you need more time to finalize an agreement on the responsibility for the continuing obligations on your Property, you may request additional time from the DNR contact identified in **Contact Information.**

(Note: Future property owners would need to negotiate a new agreement.)

Continuing Obligations on Your Property:
As part of the cleanup, NPI is proposing that the following continuing obligations be used at your property, to address future responsibility for well abandonment. If NPI's remedial action approval request is approved, you will be responsible for the following continuing obligations.

Filling and Sealing Monitoring Wells:
A monitoring well or wells remain on your property. NPI was unable to locate these monitoring well(s) to properly fill and seal them because they were paved over, covered or removed during site development activities. When located, the remaining well(s) need to be filled and sealed in accordance with ch. NR 141, Wis. Adm. Code. Documentation of well filling and sealing needs to be provided to the DNR on form 3300-005, at:
http://dnr.wi.gov/files/pdf/forms/3300/3300-005.pdf.

A map, Figure 1 is attached, which shows the location of monitoring well WW-12. You will also need to notify any future owners or occupants of this property of the need to maintain the continuing obligation.

GIS Registry and Well Construction Requirements:
If this remedial action request is approved, all properties within the site boundaries where contamination remains, or where a continuing obligation is applied, will be listed on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web, at: http://dnr.wi.gov/topic/Brownfields/clean.html.

Inclusion on this database provides public notice of remaining contamination and of any continuing obligations. Documents can be viewed on this database, and include items such as final closure letters, remedial action approvals, site maps and any applicable maintenance plans. The location of the site may also be viewed on the Remediation and Redevelopment Sites Map (RR Sites Map) at the same Web address listed above.

Remedial Action Approval:
If the DNR grants remedial action approval, you will receive a letter which defines the specific continuing obligations on your property. The status of the remedial action approval may also be checked by searching BRRTS on the Web. You may view or download a copy of the remedial action approval letter (sent to the responsible party) from BRRTS on the Web. You may also request a copy of the remedial action approval letter from the **responsible party** or by writing to the DNR contact, Mae Willkom at Mae.Willkom@wisconsin.gov, 715/839-3748.

The remedial action approval letter will contain a description of the continuing obligation and any prohibitions on activities. If you have any questions regarding this notification, I can be reached at 608/836-1500 x6722.

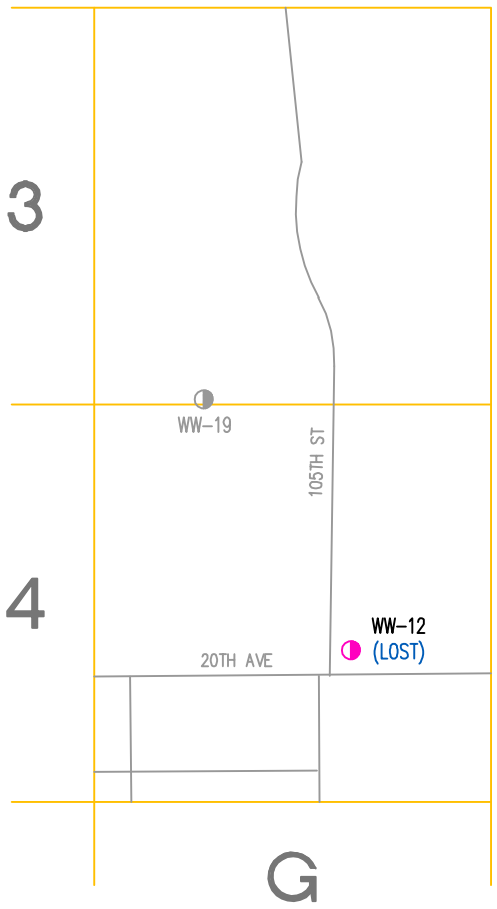
Signature of the environmental consultant for the responsible party	Date signed
	10/22/2018

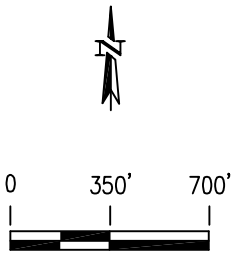
Cliff Wright, P.E., P.G.

Attachments and enclosures:
Cover letter from NPI.
Map showing location of well(s).
Contact information.
Legal description of parcel (Attachment A).
Lost well abandonment agreement (Attachment B).
Factsheet RR 819, Continuing Obligations for Environmental Protection.

Gannett Fleming

FIGURE 1





LEGEND

◑ *WDNR Monitoing Well (WW Prefix)*

NOTE:

Shaded Well Has Been Abandoned.

GETCHELL PROPERTY LOST WELL MAP

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

092418
ccw_L34283-000_2018_01AB_F01.4

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

CONTACT INFORMATION (OCTOBER 2018)

Responsible Party (RP) contact:
Derrick Paul
National Presto Industries, Inc.
3925 N. Hastings Way
Eau Claire, WI 54703-0485
715/839-2141
dpaul@gopresto.com

Environmental consultant contact for RP:
Cliff Wright
Gannett Fleming, Inc.
8025 Excelsior Dr.
Madison, WI 53717-1900
608/836-1500 x6722
cwright@gfnet.com

Department contact:
Mae Willkom
Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
1300 W. Clairemont Avenue
P.O. Box 4001
Eau Claire, WI 54701
715/839-3748
Mae.Willkom@wisconsin.gov

ATTACHMENT A
LEGAL DESCRIPTION

Parcel Identification Number: 22809-2743-72258001
Street address in Eau Claire, Wisconsin: 3412 Sundet Road

Lot 1 of Certified Survey Map #2258 recorded in Volume 10 of Certified Survey Maps, Page 64 as Document #638517; being a part of the Southwest Quarter of the Southeast Quarter of Section 27, Township 28 North, Range 9 West, City of Eau Claire, Chippewa County, Wisconsin.

ATTACHMENT B
LOST WELL ABANDONMENT AGREEMENT

October 22, 2018

Parcel Identification Number: 22809-2743-72258001
Street address in Eau Claire, Wisconsin: 3412 Sundet Road

This Lost Well Abandonment Agreement ("Agreement") is made as of this date, between the owner of the subject parcel ("Property Owner") and National Presto Industries, Inc. (NPI). Said Property Owner and NPI are sometimes referred to herein as a "Party" or the "Parties."

If the lost well(s) on the parcel is/are found, then the Parties agree that the Property Owner will contact NPI and grant NPI, or a qualified contractor on NPI's behalf, access to the parcel to properly fill and seal the well(s) in accordance with ch. NR 141, Wis. Adm. Code.

Remediation and Redevelopment Program June 2017

Continuing Obligations for Environmental Protection
Responsibilities of Wisconsin Property Owners
Wis. Stat. § 292.12

Purpose
This fact sheet is intended to help property owners understand their legal requirements under s. 292.12, Wis. Stats., regarding continuing obligations that arise due to the environmental condition of their property.

Introduction

The term "continuing obligations" refers to certain actions for which property owners are responsible following a completed environmental cleanup. They are sometimes called environmental land use controls or institutional controls. These legal obligations, such as a requirement to maintain pavement over contaminated soil, are most often found in a cleanup approval letter from the state.

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What Are Continuing Obligations?

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Continuing obligations still apply after a property is sold. Each new owner is responsible for complying with the continuing obligations.

Background

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Types of Continuing Obligations

1. **Manage Contaminated Soil that is Excavated**

   If the property owner intends to dig up an area with contaminated soil, the owner must ensure that proper soil sampling, followed by appropriate treatment or disposal, takes place. Managing contaminated soil must be done in compliance with state law and is usually done under the guidance of a private environmental professional.

Publication: RR-819
dnr.wi.gov Search: Continuing Obligations

2. **Manage Construction of Water Supply Wells**

   If there is soil or groundwater contamination and the property owner plans to construct or reconstruct a water supply well, the owner must obtain prior DNR approval to ensure that well construction is designed to protect the water supply from contamination.

Other Types of Continuing Obligations

Some continuing obligations are designed specifically for conditions on individual properties. Examples include:

- keeping clean soil and vegetation over contaminated soil;
- keeping an asphalt "cover" over contaminated soil or groundwater;
- maintaining a vapor venting system; and
- notifying the state if a structural impediment (e.g. building) that restricted the cleanup is removed. The owner may then need to conduct additional state-approved environmental work.

It is common for properties with approved cleanups to have continuing obligations because the DNR generally does not require removal of all contamination.

Property owners with the types of continuing obligations described above will find these requirements described in the state's cleanup approval letter or cleanup plan approval, and *must*:

- comply with these property-specific requirements; and
- obtain the state's permission before changing portions of the property where these requirements apply.

The requirements apply whether or not the person owned the property at the time that the continuing obligations were placed on the property.

Changing a Continuing Obligation

A property owner has the option to modify a continuing obligation if environmental conditions change. For example, petroleum contamination can degrade over time and property owners may collect new samples showing that residual contamination is gone. They may then request that the DNR modify or remove a continuing obligation. Fees are required for the DNR's review of this request and for processing the change to the database ($1050 review fee, $300/$350 database fee). Fees are subject to change; current fees are found in Wis. Admin. § NR 749 online at http://docs.legis.wisconsin.gov/code/admin_code/nr/700/749.

Public Information

The DNR provides public information about continuing obligations on the Internet. This information helps property owners, purchasers, lessees and lenders understand legal requirements that apply to a property. The DNR has a comprehensive database of contaminated and cleaned up sites, *BRRTS on the Web*. This database shows all contamination activities known to the DNR. Site specific documents are found under the *Documents* section. The information includes maps, deeds, contaminant data and the state's closure letter. The closure letter states that no additional environmental cleanup is needed for past contamination and includes information on property-specific continuing obligations. If a cleanup has not been completed, the state's approval of the remedial action plan will contain the information about

continuing obligations.

Properties with continuing obligations can generally be located in the DNR's *RR Sites Map*. RR Sites Map provides a map view of contaminated and cleaned up sites, including sites with continuing obligations, and links to BRRTS on the Web. *BRRTS on the Web* and *RR Sites Map* are part of the Wisconsin Remediation and Redevelopment Database (WRRD) at http://dnr.wi.gov/topic/Brownfields/wrrd.html.

If a completed cleanup is shown in *BRRTS on the Web* but the site documents cannot be found in the documents section, the DNR's closure letter can still be obtained from a regional office. For assistance, please contact a DNR Environmental Program Associate (see the RR Program's Staff Contact web page at dnr.wi.gov/topic/Brownfields/Contact.html).

Off-Site Contamination: When Continuing Obligations Cross the Property Line

An off-site property owner is someone who owns property that has been affected by contamination that moved through soil, sediment or groundwater from another property. Wis. Stat. § 292.13 provides an exemption from environmental cleanup requirements for owners of "off-site" properties. The DNR will generally not ask off-site property owners to investigate or clean up contamination that came from a different property, as long as the property owner allows access to his or her property so that others who are responsible for the contamination may complete the cleanup.

However, off-site property owners are legally obligated to comply with continuing obligations on their property, even though they did not cause the contamination. For example, if the state approved a cleanup where the person responsible for the contamination placed clean soil over contamination on an off-site property, the owner of the off-site property must either keep that soil in place or obtain state approval before disturbing it.

Property owners and others should check the *Public Information* section above if they need to:

- determine whether and where continuing obligations exist on a property;
- review the inspection, maintenance and reporting requirements, and
- contact the DNR regarding changing that portion of the property. The person to contact is the person that approved the closure or remedial action plan.

Option for an Off-Site Liability Exemption Letter

In general, owners of off-site properties have a legal exemption from environmental cleanup requirements. This exemption does not require a state approval letter. Nonetheless, they may request a property-specific liability exemption letter from the DNR if they have enough information to show that the source of the contamination is not on their property. This letter may be helpful in real estate transactions. The fee for this letter is $700 under Chapter NR 749, Wis. Adm. Code. For more information about this option, please see the RR Program's Liability web page at dnr.wi.gov/topic/Brownfields/Liability.html.

Legal Obligations of Off-Site Property Owners

- Allow access so the person cleaning up the contamination may work on the off-site property (unless the off-site owner completes the cleanup independently).
- Comply with any required continuing obligations on the off-site property.

Required Notifications to Off-Site Property Owners

1. The person responsible for cleaning up contamination must notify affected property owners of any proposed continuing obligations on their off-site property **before** asking the DNR to approve the cleanup. This is required by law and allows the off-site owners to provide the DNR with any technical information that may be relevant to the cleanup approval.

   When circumstances are appropriate, an off-site neighbor and the person responsible for the cleanup may enter into a "legally enforceable agreement" (i.e. a contract). Under this type of private agreement, the person responsible for the contamination may also take responsibility for maintaining a continuing obligation on an off-site property. This agreement would not automatically transfer to future owners of the off-site property. The state is not a party to the agreement and cannot enforce it.

2. If a cleanup proposal that includes off-site continuing obligations is approved, the DNR will send a letter to the off-site owners detailing the continuing obligations that are required for their property. Property owners should inform anyone interested in buying their property about maintaining these continuing obligations. For residential property, this would be part of the real estate disclosure obligation.

More Information

For more information, please visit the RR Program's Continuing Obligations website at dnr.wi.gov/topic/Brownfields/Residual.html.

PRESTO
National Presto Industries, Inc.
Eau Claire, WI 54703-3703

www.gopresto.com
Tel. 715-839-2121
Fax 715-839-2148
715-839-2122
715-839-2242

October 16, 2018

Michael Ahrens
U.S. Bank
131 S Barstow Street
Eau Claire, WI 54701

Dear Michael:

This letter is a follow up to phone conversations with Cliff Wright at Gannett Fleming, Inc. about the parcel at 3440 White Ave in Eau Claire owned by Phillips Properties and the following monitoring well.

Well ID	NPI Grid Coordinate	Completion Date	Screened Interval (ft below grade)	Casing Diameter (inches)	Casing/ Screen Material	Property Street Address in Eau Claire
RW-18	H8	7/29/87	60-70	2	Stainless steel	3440 White Ave

As you know from those conversations:

- National Presto Industries, Inc. (NPI) is committed to the process of addressing the environmental concerns from nearly three decades ago. One of the next steps is to address those monitoring wells that are no longer needed.
- The referenced well cannot now be located for proper abandonment.

As part of NPI's commitment to the process and to the property owner, we are sending you this packet of information which includes an agreement, Attachment B, giving the property owner our commitment to accept responsibility for properly filling and sealing the well.

The enclosed "Keep This Document With Your Property Records" letter explains the process in detail and contains information and language required by the Wisconsin DNR. It also includes Attachments A and B and provides a list of the additional documents in the packet.

Please review the information carefully and respond with questions or provide comments within 30 days.

Sincerely,

Derrick Paul
Program Manager
dpaul@gopresto.com

Enc.

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

October 22, 2018

Phillips Properties
c/o Michael Ahrens
U.S. Bank
131 S Barstow Street
Eau Claire, WI 54701-2625

To Whom It May Concern:

National Presto Industries, Inc. (NPI) is providing this letter to inform you of the approximate location of a missing monitoring well remaining on your property at 3440 White Ave. in Eau Claire and of certain long-term responsibilities (continuing obligations) for which you may become responsible. NPI has investigated a release of trichloroethylene (TCE) on 3925 N Hastings Way, Eau Claire, WI 54703 that necessitated the placement of a monitoring well on your property, which cannot now be located for proper abandonment.

NPI will be requesting that the Wisconsin Department of Natural Resources (DNR) list the site on the Wisconsin Remediation and Redevelopment Database as having WI Continuing Obligations. Continuing obligations may be imposed as a condition of remedial action approval.

You have 30 days to comment on Attachments A and B and on the proposed remedial action request:

Attachment A provides a legal description of your property. Please review it and notify Cliff Wright (608/836-1500 x6722) at Gannett Fleming, Inc., 8025 Excelsior Dr, Madison, WI 53717 within the next 30 days if the legal description is incorrect.

The DNR will not review NPI's remedial action approval request for at least 30 days after the date of receipt of this letter. As an affected property owner, you have a right to contact the DNR to provide any technical information that you may have that indicates that remedial action approval should not be granted for this site. If you would like to submit any information that is relevant to this remedial action approval request, or if you want to waive the 30-day comment period, you should mail that information to the DNR contact: Mae Willkom, DNR, 1300 W Clairmont Ave, Eau Claire, WI 54701 or at Mae.Willkom@wisconsin.gov.

Your Long-Term Responsibilities as a Property Owner and Occupant:
The continuing obligations NPI is proposing that affect your property are listed below, under the heading **Continuing Obligations**. Under s. 292.12 (5), Wis. Stats., current and future owners and occupants of this property are responsible for complying with continuing obligations imposed as part of an approved remedial action.

The fact sheet "Continuing Obligations for Environmental Protection" (DNR publication RR 819) has been included with this letter to help explain the responsibilities you may have for maintenance of a certain continuing obligation, the limits of any liability for investigation and cleanup of contamination, and how these differ. If the fact sheet is lost, you may obtain copies at: http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf.

Contract for Responsibility for Continuing Obligation:
Before NPI requests remedial action approval, NPI will inform the DNR that you will be responsible for contacting NPI about the abandonment of the lost well(s) on your property. Under s. 292.12, Wis. Stats., the responsibility for maintaining all necessary continuing obligations for your property will fall on you or any subsequent property owner, unless another person has a legally enforceable responsibility to comply with the requirements of the remedial action approval letter. Attachment B to this notification letter provides a written agreement between you and NPI that NPI will properly abandon the lost well(s) on your property, if found. Please review Attachment B and notify Cliff Wright (608/836-1500 x6722) at Gannett Fleming, Inc., 8025 Excelsior Drive, Madison, WI 53717 within the next 30 days if the agreement is incorrect and/or not legally enforceable.

If you need more time to finalize an agreement on the responsibility for the continuing obligations on your property, you may request additional time from the DNR contact identified in **Contact Information.**

(Note: Future property owners would need to negotiate a new agreement.)

Continuing Obligations on Your Property:
As part of the cleanup, NPI is proposing that the following continuing obligations be used at your property to address future responsibility for well abandonment. If NPI's remedial action approval request is approved, you will be responsible for the following continuing obligations.

Filling and Sealing Monitoring Wells:
A monitoring well or wells remain on your property. NPI was unable to locate these monitoring well(s) to properly fill and seal them because they were paved over, covered, or removed during site development activities. When located, the remaining well(s) need to be filled and sealed in accordance with ch. NR 141, Wis. Adm. Code. Documentation of well filling and sealing needs to be provided to the DNR on form 3300-005, at:
http://dnr.wi.gov/files/pdf/forms/3300/3300-005.pdf.

A map (Figure 1) is attached, which shows the location of monitoring well RW-18. You will also need to notify any future owners or occupants of this property of the need to maintain the continuing obligation.

GIS Registry and Well Construction Requirements:
If this remedial action request is approved, all properties within the site boundaries where contamination remains, or where a continuing obligation is applied, will be listed on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web, at: http://dnr.wi.gov/topic/Brownfields/clean.html.

Inclusion on this database provides public notice of remaining contamination and of any continuing obligations. Documents can be viewed on this database, and include items such as final closure letters, remedial action approvals, site maps, and any applicable maintenance plans. The location of the site may also be viewed on the Remediation and Redevelopment Sites Map (RR Sites Map) at the same Web address listed above.

Remedial Action Approval:
If the DNR grants remedial action approval, you will receive a letter that defines the specific continuing obligations on your property. The status of the remedial action approval may also be checked by searching BRRTS on the Web. You may view or download a copy of the remedial action approval letter (sent to the responsible party) from BRRTS on the Web. You may also request a copy of the remedial action approval letter from the **responsible party** or by writing to the DNR contact, Mae Willkom at Mae.Willkom@wisconsin.gov (715/839-3748).

The remedial action approval letter will contain a description of the continuing obligation and any prohibitions on activities. If you have any questions regarding this notification, I can be reached at 608/836-1500 x6722.

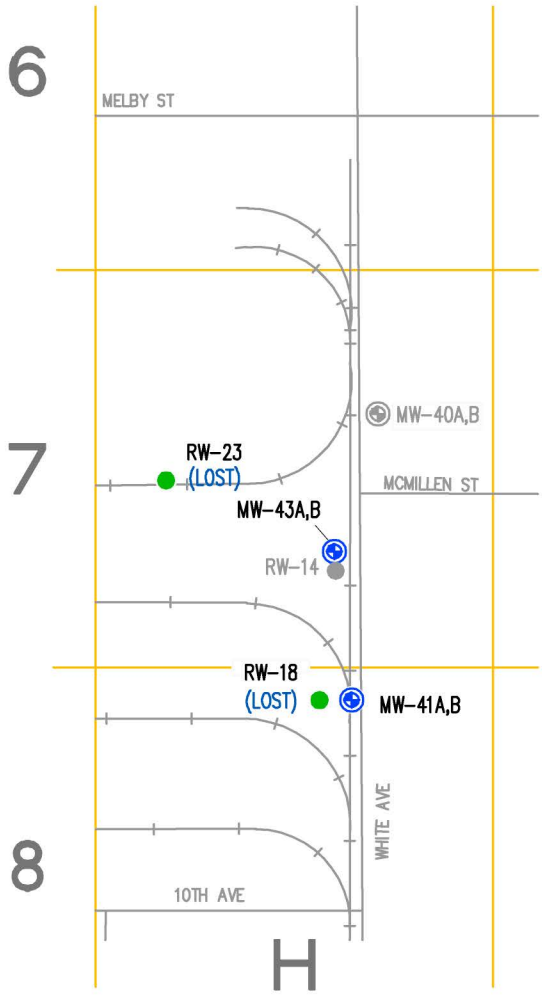
Signature of the environmental consultant for the responsible party	Date signed
	10/22/2018

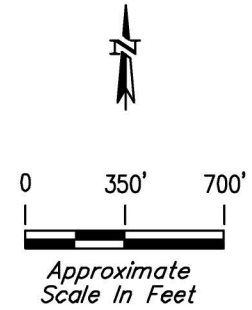
Cliff Wright, P.E., P.G.

Attachments and enclosures:
Cover letter from NPI.
Map showing location of well(s).
Contact information.
Legal description of parcel (Attachment A).
Lost well abandonment agreement (Attachment B).
Factsheet RR 819, Continuing Obligations for Environmental Protection.

Gannett Fleming

FIGURE 1





LEGEND

- *USEPA Monitoring Well (RW Prefix)*
- *NPI Superfund Monitoring Well Nest (MW Prefix)*

NOTE:

Shaded Wells Have Been Abandoned.

PHILLIPS PROPERTIES LOST WELL MAP

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

092418
ccw_L34283-000_2018_01AB_F01.3

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

CONTACT INFORMATION (OCTOBER 2018)

Responsible Party (RP) contact:
Derrick Paul
National Presto Industries, Inc.
3925 N. Hastings Way
Eau Claire, WI 54703-0485
715/839-2141
dpaul@gopresto.com

Environmental consultant contact for RP:
Cliff Wright
Gannett Fleming, Inc.
8025 Excelsior Dr.
Madison, WI 53717-1900
608/836-1500 x6722
cwright@gfnet.com

Department contact:
Mae Willkom
Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
1300 W. Clairemont Avenue
P.O. Box 4001
Eau Claire, WI 54701
715/839-3748
Mae.Willkom@wisconsin.gov

ATTACHMENT A
LEGAL DESCRIPTION

Parcel Identification Number: 22809-3344-04500000
Street address in Eau Claire, Wisconsin: 3440 White Avenue

A parcel of land lying in the Southeast Quarter of the Southeast Quarter of Section 33, Township 28 North, Range 9 West, City of Eau Claire, Chippewa County, Wisconsin, being further described as follows:
Commencing at the Southeast corner of Section 33, thence North 2° 07′ West 33.03 feet; thence North 89° 27′ West 70.07 feet; thence North 2° 07′ West 132.14 feet to the point of beginning; thence North 89° 27′ West 1215.42 feet to the East line on Monroe Street; thence North 1° 46′ West along the East line of Monroe Street 198.19 feet to the North line of Willis Street; thence North 89° 27′ West along the North line of Willis Street 33.00 feet to the West line of the Southeast Quarter of the Southeast Quarter of Section 33; thence North 1° 46′ West along the West line of said Southeast Quarter of the Southeast Quarter, 231.46 feet; thence South 89° 29′ East 1246.18 feet to the West line of White Avenue; thence South 2° 07′ East along the West line of White Avenue 412.31 feet to the point of beginning. Excepting therefrom the East 39 feet, reserved for railroad easement.

ATTACHMENT B
LOST WELL ABANDONMENT AGREEMENT

October 22, 2018

Parcel Identification Number: 22809-3344-04500000
Street address in Eau Claire, Wisconsin: 3440 White Avenue

This Lost Well Abandonment Agreement ("Agreement") is made as of this date, between the owner of the subject parcel ("Property Owner") and National Presto Industries, Inc. (NPI). Said Property Owner and NPI are sometimes referred to herein as a "Party" or the "Parties."

If the lost well(s) on the parcel is/are found, then the Parties agree that the Property Owner will contact NPI and grant NPI, or a qualified contractor on NPI's behalf, access to the parcel to properly fill and seal the well(s) in accordance with ch. NR 141, Wis. Adm. Code.

Remediation and Redevelopment Program June 2017

Continuing Obligations for Environmental Protection
Responsibilities of Wisconsin Property Owners
Wis. Stat. § 292.12

Purpose
This fact sheet is intended to help property owners understand their legal requirements under s. 292.12, Wis. Stats., regarding continuing obligations that arise due to the environmental condition of their property.

Introduction

The term "continuing obligations" refers to certain actions for which property owners are responsible following a completed environmental cleanup. They are sometimes called environmental land use controls or institutional controls. These legal obligations, such as a requirement to maintain pavement over contaminated soil, are most often found in a cleanup approval letter from the state.

Less commonly, a continuing obligation may apply where a cleanup is not yet completed but a cleanup plan has been approved, or at a property owned by a local government that is exempt from certain cleanup requirements.

What Are Continuing Obligations?

Continuing obligations are legal requirements designed to protect public health and the environment in regard to contamination that remains on a property.

Continuing obligations still apply after a property is sold. Each new owner is responsible for complying with the continuing obligations.

Background

Wisconsin, like most states, allows some contamination to remain after cleanup of soil or groundwater contamination (residual contamination). This minimizes the transportation of contamination and reduces cleanup costs while still ensuring that public health and the environment are protected.

The Department of Natural Resources (DNR), through its Remediation and Redevelopment (RR) Program, places sites or properties with residual contamination on a public database in order to provide notice to interested parties about the residual contamination and any associated continuing obligations. Please see the "Public Information" section on page 3 to learn more about the database. (Prior to June 3, 2006, the state used deed restrictions recorded at county courthouses to establish continuing obligations, and those deed restrictions have also been added into the database.)

Types of Continuing Obligations

1. **Manage Contaminated Soil that is Excavated**

   If the property owner intends to dig up an area with contaminated soil, the owner must ensure that proper soil sampling, followed by appropriate treatment or disposal, takes place. Managing contaminated soil must be done in compliance with state law and is usually done under the guidance of a private environmental professional.

Publication: RR-819
dnr.wi.gov Search: Continuing Obligations

2. **Manage Construction of Water Supply Wells**

   If there is soil or groundwater contamination and the property owner plans to construct or reconstruct a water supply well, the owner must obtain prior DNR approval to ensure that well construction is designed to protect the water supply from contamination.

Other Types of Continuing Obligations

Some continuing obligations are designed specifically for conditions on individual properties. Examples include:

- keeping clean soil and vegetation over contaminated soil;
- keeping an asphalt "cover" over contaminated soil or groundwater;
- maintaining a vapor venting system; and
- notifying the state if a structural impediment (e.g. building) that restricted the cleanup is removed. The owner may then need to conduct additional state-approved environmental work.

It is common for properties with approved cleanups to have continuing obligations because the DNR generally does not require removal of all contamination.

Property owners with the types of continuing obligations described above will find these requirements described in the state's cleanup approval letter or cleanup plan approval, and *must*:

- comply with these property-specific requirements; and
- obtain the state's permission before changing portions of the property where these requirements apply.

The requirements apply whether or not the person owned the property at the time that the continuing obligations were placed on the property.

Changing a Continuing Obligation

A property owner has the option to modify a continuing obligation if environmental conditions change. For example, petroleum contamination can degrade over time and property owners may collect new samples showing that residual contamination is gone. They may then request that the DNR modify or remove a continuing obligation. Fees are required for the DNR's review of this request and for processing the change to the database ($1050 review fee, $300/$350 database fee). Fees are subject to change; current fees are found in Wis. Admin. § NR 749 online at http://docs.legis.wisconsin.gov/code/admin_code/nr/700/749.

Public Information

The DNR provides public information about continuing obligations on the Internet. This information helps property owners, purchasers, lessees and lenders understand legal requirements that apply to a property. The DNR has a comprehensive database of contaminated and cleaned up sites, *BRRTS on the Web*. This database shows all contamination activities known to the DNR. Site specific documents are found under the *Documents* section. The information includes maps, deeds, contaminant data and the state's closure letter. The closure letter states that no additional environmental cleanup is needed for past contamination and includes information on property-specific continuing obligations. If a cleanup has not been completed, the state's approval of the remedial action plan will contain the information about

continuing obligations.

Properties with continuing obligations can generally be located in the DNR's *RR Sites Map*. RR Sites Map provides a map view of contaminated and cleaned up sites, including sites with continuing obligations, and links to BRRTS on the Web. *BRRTS on the Web* and *RR Sites Map* are part of the Wisconsin Remediation and Redevelopment Database (WRRD) at http://dnr.wi.gov/topic/Brownfields/wrrd.html.

If a completed cleanup is shown in *BRRTS on the Web* but the site documents cannot be found in the documents section, the DNR's closure letter can still be obtained from a regional office. For assistance, please contact a DNR Environmental Program Associate (see the RR Program's Staff Contact web page at dnr.wi.gov/topic/Brownfields/Contact.html).

Off-Site Contamination: When Continuing Obligations Cross the Property Line

An off-site property owner is someone who owns property that has been affected by contamination that moved through soil, sediment or groundwater from another property. Wis. Stat. § 292.13 provides an exemption from environmental cleanup requirements for owners of "off-site" properties. The DNR will generally not ask off-site property owners to investigate or clean up contamination that came from a different property, as long as the property owner allows access to his or her property so that others who are responsible for the contamination may complete the cleanup.

However, off-site property owners are legally obligated to comply with continuing obligations on their property, even though they did not cause the contamination. For example, if the state approved a cleanup where the person responsible for the contamination placed clean soil over contamination on an off-site property, the owner of the off-site property must either keep that soil in place or obtain state approval before disturbing it.

Property owners and others should check the *Public Information* section above if they need to:

- determine whether and where continuing obligations exist on a property;
- review the inspection, maintenance and reporting requirements, and
- contact the DNR regarding changing that portion of the property. The person to contact is the person that approved the closure or remedial action plan.

Option for an Off-Site Liability Exemption Letter

In general, owners of off-site properties have a legal exemption from environmental cleanup requirements. This exemption does not require a state approval letter. Nonetheless, they may request a property-specific liability exemption letter from the DNR if they have enough information to show that the source of the contamination is not on their property. This letter may be helpful in real estate transactions. The fee for this letter is $700 under Chapter NR 749, Wis. Adm. Code. For more information about this option, please see the RR Program's Liability web page at dnr.wi.gov/topic/Brownfields/Liability.html.

Legal Obligations of Off-Site Property Owners

- Allow access so the person cleaning up the contamination may work on the off-site property (unless the off-site owner completes the cleanup independently).
- Comply with any required continuing obligations on the off-site property.

Required Notifications to Off-Site Property Owners

1. The person responsible for cleaning up contamination must notify affected property owners of any proposed continuing obligations on their off-site property **before** asking the DNR to approve the cleanup. This is required by law and allows the off-site owners to provide the DNR with any technical information that may be relevant to the cleanup approval.

   When circumstances are appropriate, an off-site neighbor and the person responsible for the cleanup may enter into a "legally enforceable agreement" (i.e. a contract). Under this type of private agreement, the person responsible for the contamination may also take responsibility for maintaining a continuing obligation on an off-site property. This agreement would not automatically transfer to future owners of the off-site property. The state is not a party to the agreement and cannot enforce it.

2. If a cleanup proposal that includes off-site continuing obligations is approved, the DNR will send a letter to the off-site owners detailing the continuing obligations that are required for their property. Property owners should inform anyone interested in buying their property about maintaining these continuing obligations. For residential property, this would be part of the real estate disclosure obligation.

More Information

For more information, please visit the RR Program's Continuing Obligations website at dnr.wi.gov/topic/Brownfields/Residual.html.

PRESTO
National Presto Industries, Inc.
Eau Claire, WI 54703-3703

www.gopresto.com
Tel. 715-839-2121
Fax 715-839-2148
715-839-2122
715-839-2242

October 16, 2018

Jason Miller
Veritas Steel
2800 Melby Street
Eau Claire, WI 54703

Dear Jason:

This letter is a follow up to phone conversations with Cliff Wright at Gannett Fleming, Inc. about the following monitoring wells.

Well ID	NPI Grid Coordinate	Completion Date	Screened Interval (ft below grade)	Casing Diameter (inches)	Casing/ Screen Material	Property Street Address in Eau Claire
MW-46A	G7	8/22/91	60-75	2	PVC	2800 Melby Street
MW-46B	"	9/12/91	99.5-109.5	"	"	"
MW-46C	"	8/28/91	134.3-144.3	"	"	"
RW-17	"	7/29/87	60-70	"	Stainless steel	"
RW-23	H7	7/31/87	61-71	"	"	"

As you know from those conversations:

- National Presto Industries, Inc. (NPI) is committed to the process of addressing the environmental concerns from nearly three decades ago. One of the next steps is to address those monitoring wells that are no longer needed.
- The referenced wells are on your property and cannot now be located for proper abandonment.

As part of NPI's commitment to the process and to you, the property owner, we are sending you this packet of information which includes an agreement, Attachment B, giving you our commitment to accept responsibility for properly filling and sealing the wells. The enclosed "Keep This Document With Your Property Records" letter explains the process in detail and contains information and language required by the Wisconsin DNR. It also includes Attachments A and B and provides a list of the additional documents in the packet. Please review the information carefully and respond with questions or provide comments within 30 days.

Sincerely,

Derrick Paul
Program Manager
dpaul@gopresto.com

Enc.

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

October 22,2018

Jason Miller
Veritas Steel LLC
2800 Melby Street
Eau Claire, WI 54703-0562

Dear Jason:

National Presto Industries, Inc. (NPI) is providing this letter to inform you of the approximate location of five missing monitoring wells remaining on your property, and of certain long-term responsibilities (continuing obligations) for which you may become responsible. NPI has investigated a release of trichloroethylene (TCE) on 3925 N Hastings Way, Eau Claire, WI 54703 that necessitated the placement of these monitoring wells on your property, which cannot now be located for proper abandonment.

NPI will be requesting that the Department of Natural Resources (DNR) list the site on the Wisconsin Remediation and Redevelopment Database as having WI Continuing Obligations. Continuing obligations may be imposed as a condition of remedial action approval.

You have 30 days to comment on Attachments A and B and on the proposed remedial action request:

Attachment A provides a legal description of your property. Please review it and notify Cliff Wright (608/836-1500 x6722) at Gannett Fleming, Inc., 8025 Excelsior Dr, Madison, WI 53717 within the next 30 days if the legal description is incorrect.

The DNR will not review NPI's remedial action approval request for at least 30 days after the date of receipt of this letter. As an affected property owner, you have a right to contact the DNR to provide any technical information that you may have that indicates that remedial action approval should not be granted for this site. If you would like to submit any information that is relevant to this remedial action approval request, or if you want to waive the 30-day comment period, you should mail that information to the DNR contact: Mae Willkom, DNR, 1300 W Clairmont Ave, Eau Claire, WI 54701 or at Mae.Willkom@wisconsin.gov.

Your Long-Term Responsibilities as a Property Owner and Occupant:
The continuing obligations NPI is proposing that affect your property are listed below, under the heading **Continuing Obligations**. Under s. 292.12 (5), Wis. Stats., current and future owners and occupants of this property are responsible for complying with continuing obligations imposed as part of an approved remedial action.

The fact sheet "Continuing Obligations for Environmental Protection" (DNR publication RR 819) has been included with this letter, to help explain the responsibilities you may have for

maintenance of a certain continuing obligation, the limits of any liability for investigation and cleanup of contamination, and how these differ. If the fact sheet is lost, you may obtain copies at: http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf.

Contract for responsibility for continuing obligation:
Before NPI requests remedial action approval, NPI will inform the DNR that you will be responsible for contacting NPI about the abandonment of the lost well(s) on your property. Under s. 292.12, Wis. Stats., the responsibility for maintaining all necessary continuing obligations for your property will fall on you or any subsequent property owner, unless another person has a legally enforceable responsibility to comply with the requirements of the remedial action approval letter. Attachment B to this notification letter provides a written agreement between you and NPI that NPI will properly abandon the lost well(s) on your property, if found. Please review Attachment B and notify Cliff Wright (608/836-1500 x6722) at Gannett Fleming, Inc., 8025 Excelsior Drive, Madison, WI 53717 within the next 30 days if the agreement is incorrect and/or not legally enforceable.

If you need more time to finalize an agreement on the responsibility for the continuing obligations on your Property, you may request additional time from the DNR contact identified in **Contact Information.**

(Note: Future property owners would need to negotiate a new agreement.)

Continuing Obligations on Your Property:
As part of the cleanup, NPI is proposing that the following continuing obligations be used at your property, to address future responsibility for well abandonment. If NPI's remedial action approval request is approved, you will be responsible for the following continuing obligations.

Filling and Sealing Monitoring Wells:
A monitoring well or wells remain on your property. NPI was unable to locate these monitoring well(s) to properly fill and seal them because they were paved over, covered or removed during site development activities. When located, the remaining well(s) need to be filled and sealed in accordance with ch. NR 141, Wis. Adm. Code. Documentation of well filling and sealing needs to be provided to the DNR on form 3300-005, at:
http://dnr.wi.gov/files/pdf/forms/3300/3300-005.pdf.

A map, Figure 1 is attached, which shows the locations of monitoring wells MW-46A/B/C, RW-17, and RW-23. You will also need to notify any future owners or occupants of this property of the need to maintain the continuing obligation.

GIS Registry and Well Construction Requirements:
If this remedial action request is approved, all properties within the site boundaries where contamination remains, or where a continuing obligation is applied, will be listed on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web, at: http://dnr.wi.gov/topic/Brownfields/clean.html.

Inclusion on this database provides public notice of remaining contamination and of any continuing obligations. Documents can be viewed on this database, and include items such as final closure letters, remedial action approvals, site maps and any applicable maintenance plans. The location of the site may also be viewed on the Remediation and Redevelopment Sites Map (RR Sites Map) at the same Web address listed above.

Remedial Action Approval:
If the DNR grants remedial action approval, you will receive a letter which defines the specific continuing obligations on your property. The status of the remedial action approval may also be checked by searching BRRTS on the Web. You may view or download a copy of the remedial action approval letter (sent to the responsible party) from BRRTS on the Web. You may also request a copy of the remedial action approval letter from the **responsible party** or by writing to the DNR contact, Mae Willkom at Mae.Willkom@wisconsin.gov, 715/839-3748.

The remedial action approval letter will contain a description of the continuing obligation and any prohibitions on activities. If you have any questions regarding this notification, I can be reached at 608/836-1500 x6722.

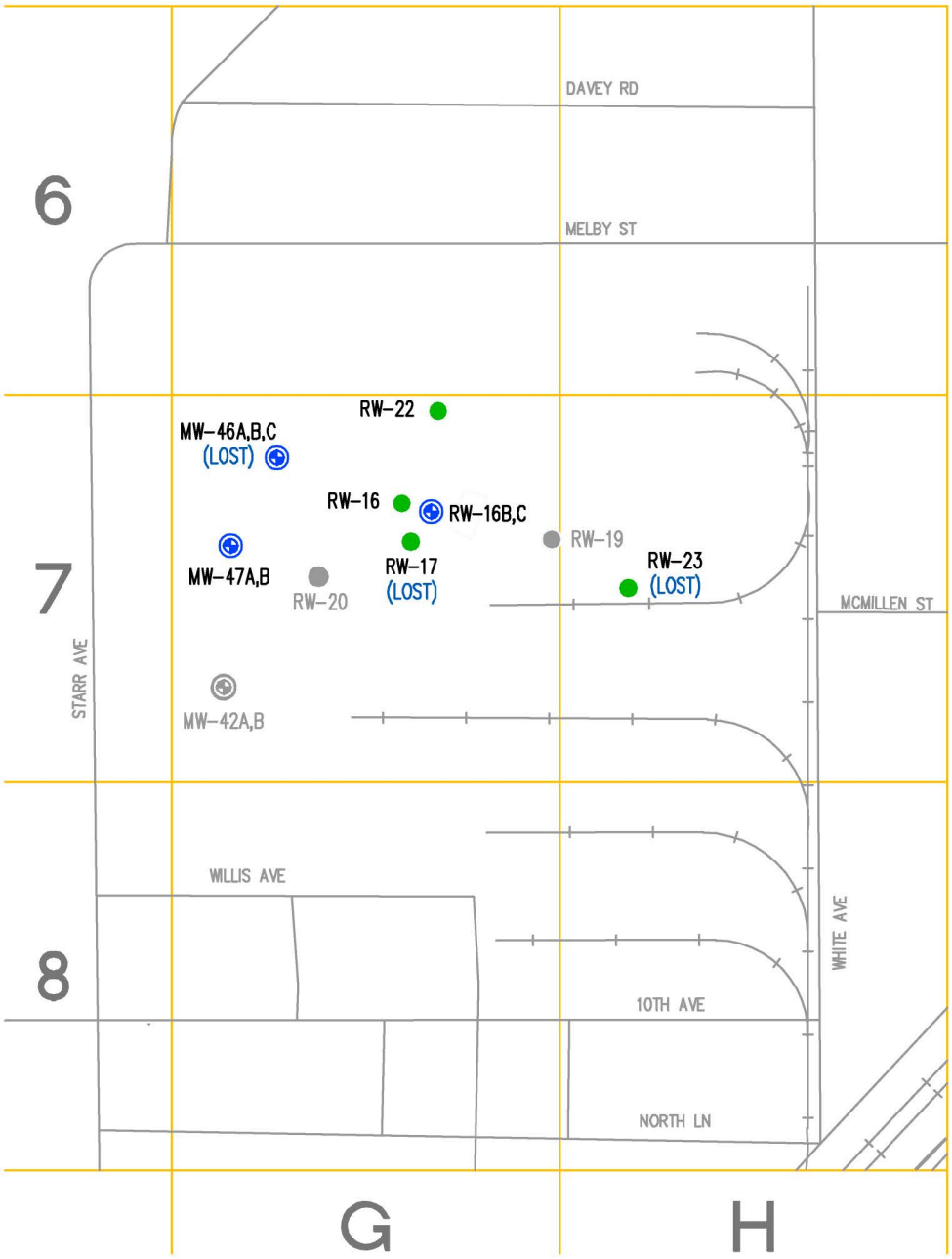
Signature of the environmental consultant for the responsible party	Date signed
	10/22/2018

Cliff Wright, P.E., P.G.

Attachments and enclosures:
Cover letter from NPI.
Map showing location of well(s).
Contact information.
Legal description of parcel (Attachment A).
Lost well abandonment agreement (Attachment B).
Factsheet RR 819, Continuing Obligations for Environmental Protection.

Gannett Fleming

FIGURE 1



N

0 350' 700'

Approximate Scale In Feet

LEGEND

- *USEPA Monitoring Well (RW Prefix)*
- *NPI Superfund Monitoring Well Nest (MW Prefix)*

NOTE:

Shaded Wells Have Been Abandoned.

VERITAS STEEL LOST WELL MAP

NATIONAL PRESTO INDUSTRIES, INC.

EAU CLAIRE, WISCONSIN

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ccw_L34283-000_2018_01AB_F01.2

NATIONAL PRESTO INDUSTRIES, INC.
EAU CLAIRE, WISCONSIN

CONTACT INFORMATION (OCTOBER 2018)

Responsible Party (RP) contact:
Derrick Paul
National Presto Industries, Inc.
3925 N. Hastings Way
Eau Claire, WI 54703-0485
715/839-2141
dpaul@gopresto.com

Environmental consultant contact for RP:
Cliff Wright
Gannett Fleming, Inc.
8025 Excelsior Dr.
Madison, WI 53717-1900
608/836-1500 x6722
cwright@gfnet.com

Department contact:
Mae Willkom
Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
1300 W. Clairemont Avenue
P.O. Box 4001
Eau Claire, WI 54701
715/839-3748
Mae.Willkom@wisconsin.gov

ATTACHMENT A
LEGAL DESCRIPTION

Parcel Identification Number: 22809-3341-00020000
Street address in Eau Claire, Wisconsin: 2800 Melby Street

Part of the NE ¼ of the SE ¼ and part of the NW ¼ of the SE ¼ of Section 33, Township 28 North, Range 9 West, City of Eau Claire, Chippewa County, Wisconsin, bounded by a line described as follows:

Commencing at the East quarter comer of said Section 33; thence South 01°58'08" East, on the East line of the SE V., 1,124.41 feet; then North 89°53'20" West 63.93 feet to the West right-of-way line of White Avenue and the point of beginning; thence North 89°53 '20" West 2,236.14 feet; thence North 01°32'23" West 115.95 feet; thence North 89°45'09" West 27.72 feet; thence North 01°40'2 l" West 195.58 feet; thence North 89°41 '50" West 264.86 feet to the East right-of-way line of Starr Avenue; thence North 01°31 '00" West along said line 607.29 feet to the arc of a curve; thence on said curve concave Southeasterly, having a radius of 160.00 feet, a chord bearing North 44°18'00" East a chord distance of 229.48 feet and an arc length of 255.89 feet to the South right- of-way line of Melby Street; thence South 89°53 '00" East along said line 2,398.55 feet to the West right-of-way line of White Avenue; thence South 00°16'30" West along said line 1,083.72 feet to the point of beginning. EXCEPTING any portions thereof used for roadway purposes.

ATTACHMENT B
LOST WELL ABANDONMENT AGREEMENT

October 22, 2018

Parcel Identification Number: 22809-3341-00020000
Street address in Eau Claire, Wisconsin: 2800 Melby Street

This Lost Well Abandonment Agreement ("Agreement") is made as of this date, between the owner of the subject parcel ("Property Owner") and National Presto Industries, Inc. (NPI). Said Property Owner and NPI are sometimes referred to herein as a "Party" or the "Parties."

If the lost well(s) on the parcel is/are found, then the Parties agree that the Property Owner will contact NPI and grant NPI, or a qualified contractor on NPI's behalf, access to the parcel to properly fill and seal the well(s) in accordance with ch. NR 141, Wis. Adm. Code.

Remediation and Redevelopment Program June 2017

Continuing Obligations for Environmental Protection
Responsibilities of Wisconsin Property Owners
Wis. Stat. § 292.12

Purpose
This fact sheet is intended to help property owners understand their legal requirements under s. 292.12, Wis. Stats., regarding continuing obligations that arise due to the environmental condition of their property.

Introduction

The term "continuing obligations" refers to certain actions for which property owners are responsible following a completed environmental cleanup. They are sometimes called environmental land use controls or institutional controls. These legal obligations, such as a requirement to maintain pavement over contaminated soil, are most often found in a cleanup approval letter from the state.

Less commonly, a continuing obligation may apply where a cleanup is not yet completed but a cleanup plan has been approved, or at a property owned by a local government that is exempt from certain cleanup requirements.

What Are Continuing Obligations?

Continuing obligations are legal requirements designed to protect public health and the environment in regard to contamination that remains on a property.

Continuing obligations still apply after a property is sold. Each new owner is responsible for complying with the continuing obligations.

Background

Wisconsin, like most states, allows some contamination to remain after cleanup of soil or groundwater contamination (residual contamination). This minimizes the transportation of contamination and reduces cleanup costs while still ensuring that public health and the environment are protected.

The Department of Natural Resources (DNR), through its Remediation and Redevelopment (RR) Program, places sites or properties with residual contamination on a public database in order to provide notice to interested parties about the residual contamination and any associated continuing obligations. Please see the "Public Information" section on page 3 to learn more about the database. (Prior to June 3, 2006, the state used deed restrictions recorded at county courthouses to establish continuing obligations, and those deed restrictions have also been added into the database.)

Types of Continuing Obligations

1. **Manage Contaminated Soil that is Excavated**

   If the property owner intends to dig up an area with contaminated soil, the owner must ensure that proper soil sampling, followed by appropriate treatment or disposal, takes place. Managing contaminated soil must be done in compliance with state law and is usually done under the guidance of a private environmental professional.

Publication: RR-819
dnr.wi.gov Search: Continuing Obligations

2. **Manage Construction of Water Supply Wells**

   If there is soil or groundwater contamination and the property owner plans to construct or reconstruct a water supply well, the owner must obtain prior DNR approval to ensure that well construction is designed to protect the water supply from contamination.

Other Types of Continuing Obligations

Some continuing obligations are designed specifically for conditions on individual properties. Examples include:

- keeping clean soil and vegetation over contaminated soil;
- keeping an asphalt "cover" over contaminated soil or groundwater;
- maintaining a vapor venting system; and
- notifying the state if a structural impediment (e.g. building) that restricted the cleanup is removed. The owner may then need to conduct additional state-approved environmental work.

It is common for properties with approved cleanups to have continuing obligations because the DNR generally does not require removal of all contamination.

Property owners with the types of continuing obligations described above will find these requirements described in the state's cleanup approval letter or cleanup plan approval, and *must*:

- comply with these property-specific requirements; and
- obtain the state's permission before changing portions of the property where these requirements apply.

The requirements apply whether or not the person owned the property at the time that the continuing obligations were placed on the property.

Changing a Continuing Obligation

A property owner has the option to modify a continuing obligation if environmental conditions change. For example, petroleum contamination can degrade over time and property owners may collect new samples showing that residual contamination is gone. They may then request that the DNR modify or remove a continuing obligation. Fees are required for the DNR's review of this request and for processing the change to the database ($1050 review fee, $300/$350 database fee). Fees are subject to change; current fees are found in Wis. Admin. § NR 749 online at http://docs.legis.wisconsin.gov/code/admin_code/nr/700/749.

Public Information

The DNR provides public information about continuing obligations on the Internet. This information helps property owners, purchasers, lessees and lenders understand legal requirements that apply to a property. The DNR has a comprehensive database of contaminated and cleaned up sites, *BRRTS on the Web*. This database shows all contamination activities known to the DNR. Site specific documents are found under the *Documents* section. The information includes maps, deeds, contaminant data and the state's closure letter. The closure letter states that no additional environmental cleanup is needed for past contamination and includes information on property-specific continuing obligations. If a cleanup has not been completed, the state's approval of the remedial action plan will contain the information about

continuing obligations.

Properties with continuing obligations can generally be located in the DNR's *RR Sites Map*. RR Sites Map provides a map view of contaminated and cleaned up sites, including sites with continuing obligations, and links to BRRTS on the Web. *BRRTS on the Web* and *RR Sites Map* are part of the Wisconsin Remediation and Redevelopment Database (WRRD) at http://dnr.wi.gov/topic/Brownfields/wrrd.html.

If a completed cleanup is shown in *BRRTS on the Web* but the site documents cannot be found in the documents section, the DNR's closure letter can still be obtained from a regional office. For assistance, please contact a DNR Environmental Program Associate (see the RR Program's Staff Contact web page at dnr.wi.gov/topic/Brownfields/Contact.html).

Off-Site Contamination: When Continuing Obligations Cross the Property Line

An off-site property owner is someone who owns property that has been affected by contamination that moved through soil, sediment or groundwater from another property. Wis. Stat. § 292.13 provides an exemption from environmental cleanup requirements for owners of "off-site" properties. The DNR will generally not ask off-site property owners to investigate or clean up contamination that came from a different property, as long as the property owner allows access to his or her property so that others who are responsible for the contamination may complete the cleanup.

However, off-site property owners are legally obligated to comply with continuing obligations on their property, even though they did not cause the contamination. For example, if the state approved a cleanup where the person responsible for the contamination placed clean soil over contamination on an off-site property, the owner of the off-site property must either keep that soil in place or obtain state approval before disturbing it.

Property owners and others should check the *Public Information* section above if they need to:

- determine whether and where continuing obligations exist on a property;
- review the inspection, maintenance and reporting requirements, and
- contact the DNR regarding changing that portion of the property. The person to contact is the person that approved the closure or remedial action plan.

Option for an Off-Site Liability Exemption Letter

In general, owners of off-site properties have a legal exemption from environmental cleanup requirements. This exemption does not require a state approval letter. Nonetheless, they may request a property-specific liability exemption letter from the DNR if they have enough information to show that the source of the contamination is not on their property. This letter may be helpful in real estate transactions. The fee for this letter is $700 under Chapter NR 749, Wis. Adm. Code. For more information about this option, please see the RR Program's Liability web page at dnr.wi.gov/topic/Brownfields/Liability.html.

Legal Obligations of Off-Site Property Owners

- Allow access so the person cleaning up the contamination may work on the off-site property (unless the off-site owner completes the cleanup independently).
- Comply with any required continuing obligations on the off-site property.

Required Notifications to Off-Site Property Owners

1. The person responsible for cleaning up contamination must notify affected property owners of any proposed continuing obligations on their off-site property **before** asking the DNR to approve the cleanup. This is required by law and allows the off-site owners to provide the DNR with any technical information that may be relevant to the cleanup approval.

   When circumstances are appropriate, an off-site neighbor and the person responsible for the cleanup may enter into a "legally enforceable agreement" (i.e. a contract). Under this type of private agreement, the person responsible for the contamination may also take responsibility for maintaining a continuing obligation on an off-site property. This agreement would not automatically transfer to future owners of the off-site property. The state is not a party to the agreement and cannot enforce it.

2. If a cleanup proposal that includes off-site continuing obligations is approved, the DNR will send a letter to the off-site owners detailing the continuing obligations that are required for their property. Property owners should inform anyone interested in buying their property about maintaining these continuing obligations. For residential property, this would be part of the real estate disclosure obligation.

More Information

For more information, please visit the RR Program's Continuing Obligations website at dnr.wi.gov/topic/Brownfields/Residual.html.
