

**SIXTH FIVE-YEAR REVIEW REPORT FOR
SCHMALZ DUMP SUPERFUND SITE
Calumet County, Wisconsin**



Prepared by

**U.S. Environmental Protection Agency
Region 5
Chicago, Illinois**

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LIST OF ABBREVIATIONS & ACRONYMS

ARAR	Applicable or relevant and appropriate requirement
BRRTs	Bureau for Remediation and Redevelopment Tracking System
BOTW	BRRTs on the web
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COs	Continuing Obligations
CWM	Chemical Waste Management
EPA	United States Environmental Protection Agency
ES	Enforcement Standards
ESD	Explanation of Significant Differences
ICs	Institutional Controls
IRIS	Integrated Risk Information System
MCL	Maximum Contaminant Level
mg/kg	Milligram per Kilogram
NCP	National Contingency Plan
NPL	National Priorities List
O&M	Operation and Maintenance
OU	Operable Unit
PAL	Preventative Action Levels
PCB	Polychlorinated Biphenyls
RAO	Remedial Action Objective
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
Site	Schmalz Dump Superfund Site
ug/L	Microgram per Liter
USACE	United States Army Corps of Engineers
UU/UE	Unlimited Use/Unrestricted Exposure
WAC	Wisconsin Administrative Code
WDNR	Wisconsin Department of Natural Resources

I. INTRODUCTION

The purpose of a Five-Year Review (FYR) is to evaluate the implementation and performance of a remedy in order to determine if the remedy is and will continue to be protective of human health and the environment. The methods, findings, and conclusions of reviews are documented in FYR reports such as this one. In addition, FYR reports identify issues found during the review, if any, and document recommendations to address them.

The United States Environmental Protection Agency (EPA) is preparing this FYR pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 121, consistent with the National Contingency Plan (NCP)(40 CFR Section 300.430(f)(4)(ii)), and considering EPA policy.

This is the sixth FYR for the Schmalz Dump Superfund Site (Site). The triggering action for this statutory review is the completion date of the previous FYR signed on August 12, 2013. The FYR has been prepared due to the fact that hazardous substances, pollutants, or contaminants remain at the Site above levels that allow for unlimited use and unrestricted exposure (UU/UE).

The Site consists of two Operable Units (OUs) and both OUs are addressed in this FYR. OU1 addressed the threat from polychlorinated biphenyl (PCB) contaminated soil and sediment; and OU2 required construction of a soil cap over the contaminated soil, and monitoring of groundwater.

The Schmalz Dump Superfund Site FYR was led by Giang-Van Nguyen, Remedial Project Manager from EPA. Other participants included Kevin McKnight from the Wisconsin Department of Natural Resources (WDNR). WDNR was notified of the initiation of the FYR. The review began on 8/28/2017.

Site Background

The Schmalz Dump Site is located on the north shore of Lake Winnebago in Harrison Township in Calumet County, Wisconsin. Harrison is located approximately ten miles south of Appleton and two miles east of Menasha (Figure 1- Site Location). Unauthorized dumping occurred at the Site from 1968 to 1979. The Site formerly included wetland areas. In 1972 and 1973, fly ash and bottom ash from a utility company were disposed of on Site. In 1978 and 1979, building demolition debris contaminated with polychlorinated biphenyls (PCBs) was disposed of at the Site.

The ten and one-half acre Site includes the capped seven-acre dump, three acres of adjacent property, and a half-acre wetland. The property adjacent to the dump does not contain waste material from the dump and is not covered by the impermeable cap. In 1984, all residences in the Waverly Beach area were connected to the City of Menasha water system.

Additional Site background and history can be found in Appendix B.

FIVE-YEAR REVIEW SUMMARY FORM

SITE IDENTIFICATION		
Site Name: Schmalz Dump		
EPA ID: WID980820096		
Region: 5	State: WI	City/County: Harrison/Calumet
SITE STATUS		
NPL Status: Final		
Multiple OUs? Yes	Has the site achieved construction completion? Yes	
REVIEW STATUS		
Lead agency: EPA		
Author name (Federal or State Project Manager): Giang-Van Nguyen		
Author affiliation: Remedial Project Manager		
Review period: 8/28/2017 - 5/3/2018		
Date of site inspection: 9/20/2017		
Type of review: Statutory		
Review number: 6		
Triggering action date: 8/12/2013		
Due date (five years after triggering action date): 8/12/2018		

II. RESPONSE ACTION SUMMARY

Basis for Taking Action

In early 1979, the initial on-site sampling determined that the area where the building demolition debris was disposed was contaminated with concentrations of PCBs as high as 3,100 part per million (ppm). Lead and chromium were also detected in relatively high concentrations at several sampling locations. The Site was placed on the National Priorities List (NPL) on September 21, 1984. Samples taken during the Remedial Investigation (RI), conducted from April 1985 to August 1987, confirmed that elevated level of PCBs presented a threat to public health. Sampling results showed lead and chromium at concentrations of 1,940 ppm and 964 ppm in soil samples, respectively. Elevated concentrations of lead were also found in sediment samples.

Hazardous substances that have been released at the Site in each media include:

Soil and Sediment: PCBs, lead, and chromium

Waste: PCBs, lead, and chromium

Groundwater: lead and chromium

Surface Water: PCBs, lead, and chromium

Response Actions

EPA signed the first Record of Decision (ROD) on August 13, 1985 to address the public health threat of PCB contamination at the Site (OU1); and the second ROD on September 30, 1987 to address soil contaminated with lead and chromium (OU2).

OU1 – PCB Operable Unit

The OU1 remedial action objectives (RAOs) for the Site are:

- Eliminate future release from the contaminant source to the various pathways, and
- Remove the threat of direct contact to the surrounding community and the environment.

The remedy selected in the OU1 ROD included:

- Installation of a fence around the Site, and
- Excavation and off-site disposal of 3,500 cubic yards of PCB-contaminated sediments and debris in an approved landfill.

OU2 – Soils and Groundwater Operable Unit

The OU2 RAOs for the Site are:

- Protection from direct contact with contaminated soils, and
- Monitoring for degradation of groundwater quality from these soils.

The remedy components in the OU2 ROD included:

- Installation of a low permeability, compacted earth material cap over approximately seven acres of lead and chromium contaminated soil;
- Implementation of groundwater monitoring at existing wells on the Schmalz Dump property and adjacent properties for lead and chromium;

- Implementation of a voluntary well abandonment program for residents between the Site and Lake Winnebago;
- Recommendation that adjacent property be evaluated under the pre-remedial program.

Chromium and lead were identified in the 1987 ROD for OU2 as the contaminants of concern for soil. At the time EPA issued the ROD, groundwater did not exceed State nor Federal drinking water standards. Therefore, the selected remedy did not require treatment of groundwater and did not establish a cleanup standard for groundwater. However, the ROD required that any increase in concentrations of existing levels of chromium or lead should be evaluated to determine if a corrective action would be necessary.

The drinking water standards, or Maximum Contaminant Level (MCL), for chromium and lead were both 50 ug/L. Since the date of the ROD, the MCL for chromium has been increased to 100 ug/L, while the federal cleanup requirement for lead has been made more stringent at 15 ug/L.

At the time of the ROD, the Wisconsin Administrative Code (WAC) NR 140 Enforcement Standards (ESs) for both chromium and lead were 50 ug/L while the Preventative Action Levels (PALs) were 5 ug/L. Since the date of the ROD, both the ESs and PALs for chromium have been changed to 100 ug/L and 10 ug/L, respectively. The ES for lead has been changed to 15 ug/L, and the PAL has changed to 1.5 ug/L.

Status of Implementation

Remedy implementation is summarized by OU, below:

OU1

In 1985, based on a Phased Feasibility Study completed in June 1985, a fence was placed around the Site. The removal of PCB-contaminated material began in 1987 and was completed in 1988. More than 3,500 cubic yards of PCB-contaminated material was consolidated, removed and disposed of in an EPA-approved landfill. Follow-up sampling confirmed remaining sediments were below the action level of 1 ppm.

OU2

The OU2 remedial action began in October of 1992 with the clearing and grubbing of the Site. Actual placement of the cap was completed between May and September 1993, and final grading and seeding was completed in May 1994.

EPA completed a Preliminary Close Out Report on September 24, 1993 to document that all construction activities were completed.

Institutional controls (ICs) are in place to restrict property use and maintain the remedy through access agreements and a Court Order. Following cleanup, operation and maintenance (O&M) activities and monitoring are ongoing and are performed by WDNR. WDNR takes annual groundwater samples to confirm that contaminants remain below the State's drinking water standards.

More Site remedy action information can be found in Appendix B.

Institutional Controls

ICs are needed to restrict property use, maintain the integrity of the remedy, and assure the long-term protectiveness for areas which do not allow for UU/UE. A summary of the implemented and planned ICs for the Site is listed in Table 1 and are further discussed below.

Table 1: Summary of Planned and/or Implemented ICs

Media, engineered controls, and areas that do not support UU/UE based on current conditions	ICs Needed	ICs Called for in the Decision Documents	Impacted Parcel(s)	IC Objective	Title of IC Instrument Implemented and Date (or planned)
<p><i>Schmalz Dump</i> – Landfill cap A) Property owned by Gregory Schmalz (10.5 acres)</p> <p>B) Adjacent Property (3 acres)</p>	Yes	No	See Figures 3 and 4:	<p>A) Grants EPA and the State access -Prohibits any activity that would adversely affect the integrity of the remedy implemented at the Site including the cap and the fence. -Maintains remedy components including cap and fence. -Prohibits any land uses including residential, recreational, commercial, or industrial.</p> <p>B) Property owners acknowledge that a portion of the subject property has been determined by EPA to be hazardous to human health or welfare or the environment.</p>	<p>A) Court Order issued by Judge Reynolds in the United States District Court for the Eastern District of Wisconsin and dated November 15, 1991 (Document Number 302550) -A restrictive covenant will be implemented once the property ownership changes (planned) -Wisconsin Continuing Obligations will be issued by the WDNR per 292.12 of the WI Statutes (planned) -Site information will be placed on BRRTS on the Web. (planned)</p> <p>B) Warranty Deeds recorded in Calumet County, Wisconsin on July 22, 1999. (Document Number 940541, 940542 and 940543)</p>

A map showing the area in which the ICs apply is shown in Figures 3 and 4.

Status of Access Restrictions and ICs:

The RODs did not include ICs, such as deed restrictions, as part of the remedy. However, the 1985 ROD did require a fence around the Site, which is an access control. Furthermore, EPA obtained a Court Order dated November 15, 1991, against Gregory Schmalz, the owner of the capped and fenced area of the Site that grants EPA and the state access to the Site and prevents Mr. Schmalz from interfering with the remedy or disturbing the cap. Copies of the Court Order and Warranty Deeds are included in Appendix C.

In addition, the owners of the two adjacent lots outside the capped and fenced area have granted EPA and the state continuing access for O&M. This agreement for access is documented in a warranty deed from John Schmalz and H.J. Jennerjohn, Inc., to Theodore Pawlowski, William Bojarski and Lawrence O. Love, recorded on July 22, 1999. The deed to the Schmalz property acknowledges that a portion of the subject property has been determined by EPA to be hazardous to human health or welfare or the environment. The neighboring Bojarski & Pawlowski property has an easement agreement with EPA and the deed to the property acknowledges that a portion of the subject property has been determined by EPA to be hazardous to human health or welfare or the environment.

As a result, EPA is drafting an Explanation of Significant Differences (ESD) to document that ICs are a necessary component of the soil remedy. These ICs will include a 1) proprietary control in the form of a restrictive covenant or deed restrictions which can be enforced by EPA and WDNR and would run with the land to apply to any future landowners once the property ownership changes since the current owner has not agreed to placing the restrictions on the Site; 2) a governmental control in the form of continuing obligations (COs) issued by the WDNR under Section 292.12 of the Wisconsin statutes which would impose restrictions and be enforced by the WDNR and 3) a long-term stewardship (LTS) plan to ensure that the remedy and ICs are maintained, monitored and enforced.

In addition, WDNR will place the Site on the State of Wisconsin database called *Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW)*. BOTW is the WDNR's on-line database that provides information about contaminated properties and other activities related to the investigation and cleanup of contaminated soil or groundwater in Wisconsin. Placing the information in BOTW documents the residual contamination and certain restrictions on future use of the Site. The database is an online, publicly-accessible registry of sites in the State of Wisconsin which have continuing obligations related to site contamination. Having the Site on the WDNR database will strengthen long-term stewardship of the Site and impacted properties as it provides notification about residual contamination and/or contains copies of any required COs.

Current Compliance: Based on the inspection conducted as part of this FYR, no site uses which are inconsistent with the implemented ICs or the remedy IC objectives were noted.

IC Follow up Actions Needed: An ESD to document that ICs are a necessary component of the remedy needs to be completed. ICs in the form of COs need to be issued by the WDNR along with placing the Site information on BOTW. An IC in the form of a restrictive covenant is needed if the property owned by Mr. Schmalz and controlled by the November 15, 1991 Court Order is transferred to a new owner. Finally, a long-term stewardship plan is needed to include procedures for monitoring and tracking compliance with existing ICs, communicating with EPA, and providing an annual certification to EPA that the ICs remain in place and are effective.

Long-term Stewardship: Long-term protectiveness requires continued compliance with the ICs to ensure that the remedy continues to function as intended. Long-term stewardship will ensure that the ICs are maintained, monitored and enforced. A Long-term Stewardship Plan should be developed to document long-term stewardship procedures. Long-term stewardship procedures should describe, at a minimum: (1) monitoring activities and schedules; (2) responsibilities for performing each task; (3) reporting requirements; and (4) a process for addressing any potential IC issues that may arise during the reporting period.

Site-Wide Ready for Anticipated Use (SWRAU): On June 9, 2011, EPA signed the SWRAU determination for the Site. EPA determined that the Site met the requirements for a SWRAU based on previous remedial actions and all documents reviewed for the Site.

Systems Operations/Operation & Maintenance

WDNR is responsible for O&M at the Site, which consists of annual inspection of the cap, groundwater monitoring and any needed maintenance activities. The 1987 ROD called for one year of quarterly groundwater monitoring, to provide a baseline of water quality at the Site; followed by annual groundwater monitoring for the next four years, with the monitoring to be re-evaluated at the end of the five-year period. Initially, WDNR conducted the groundwater sampling for two years, but then stated that annual sampling events had been disrupted and were not completed due to scheduling conflicts and changes in state project managers. WDNR completed the required four years of annual sampling from 2008 through 2012. In October 2017, WDNR collected the groundwater sampling for this FYR period. The groundwater data results are being used to evaluate whether a change in the frequency of the groundwater monitoring program is appropriate.

III. PROGRESS SINCE THE LAST REVIEW

This section includes the protectiveness determinations and statements from the last FYR as well as the recommendations from the last FYR and the current status of those recommendations.

Table 2: Protectiveness Determinations/Statements from the 2013 FYR

OU #	Protectiveness Determination	Protectiveness Statement
1	Short-term Protective	The remedy is protective of human health and the environment in the short term because a fence was placed around the Site, and removal of more than 3,500 cubic yards of PCB-contaminated material was completed. However, in order for the remedy to be protective in the long term, additional institutional controls (ICs), such as an environmental covenant would need to be implemented if the Site is transferred to a new owner. Long-Term Stewardship will be ensured by preparing an ICIAP (IC Plan) that includes steps necessary to ensure that ICs are in place, maintained, and effective, and to plan for additional ICs if the Site is transferred to a new owner.
2	Short-term Protective	The remedy is currently protective of human health and the environment in the short-term because it eliminates the principal threat posed by the Site by preventing direct contact with contaminated materials, the removal and capping of contaminated soils, and groundwater monitoring. A court order dated November 15, 1991 and the Warranty Deed recorded in Calumet County, Wisconsin on July 22, 1999 ensure the integrity of the remedy and restrict current and future land use. However, in order for the remedy to be protective in the long term, additional institutional controls (ICs) such as an environmental covenant would need to be implemented if the Site is

		transferred to a new owner. Long-term Stewardship, will be ensured by preparing an ICIAP (IC Plan) that includes steps necessary to ensure that ICs are in place, maintained, and effective, and to plan for additional ICs if the Site is transferred to a new owner.
Sitewide	Short-term Protective	The remedy is currently protective of human health and the environment in the short term because it eliminates the principal threat posed by the Site by preventing direct contact with contaminated materials, the removal and capping of contaminated soils, and groundwater monitoring. A court order dated November 15, 1991 and the Warranty Deed recorded in Calumet County, Wisconsin on July 22, 1999 ensure the integrity of the remedy and restrict current and future land use. However, long-term protectiveness of the remedies at OU1 and OU2 requires compliance with institutional controls (ICs). Although ICs are in-place, additional work is needed to ensure that the ICs are effective, long-term stewardship will be ensured and that compliance with the ICs will be achieved. To that end, an ICIAP (IC Plan) will be prepared that includes steps necessary to ensure that ICs are in place, maintained, and effective, and to plan for additional ICs if the Site is transferred to a new owner.

Table 3: Status of Recommendations from the 2013 FYR

OU #	Issue	Recommendations	Current Status	Current Implementation Status Description	Completion Date (if applicable)
OU1 and OU2	There is no IC Plan in place that establishes procedures for ensuring that ICs are in place, maintained and effective	Prepare an ICIAP Plan which will plan for long-term stewardship and will include steps necessary to ensure that effective ICs are implemented, monitored, maintained and enforced and plan for additional ICs if the Site is transferred to a new owner.	Addressed in Next FYR	These recommendations have been carried forward in this FYR as: development of a Long-term Stewardship Plan, and implementation of a restrictive covenant for the Schmalz property. In addition, WDNR is planning to place the Site on the State of Wisconsin database, called BRRTS and BOTW to document the residual contamination and certain restrictions on future use of the Site.	NA
OU1 and OU2	Although ICs have been implemented, they are not required in any remedy decision documents	Incorporate ICs into a remedy decision document (i.e., ESD or ROD amendment) if the Site is transferred to a new owner.	Ongoing	EPA is drafting an ESD to document that ICs are a necessary component of the soil remedy and to include an IC in the form of deed restrictions if the property is transferred to a new owner.	NA

IV. FIVE-YEAR REVIEW PROCESS

Community Notification, Involvement & Site Interviews

A public notice was made available by EPA in the Post-Crescent, on 1/29/2018, stating that there was a FYR and inviting the public to submit any comments to EPA. The results of the review and the report will be made available at the Site information repository located at www.epa.gov/superfund/schmalz-

dump and the University of Wisconsin-Fox Valley Library, 1478 Midway Road, Menasha, Wisconsin. A copy of the ad is included in Appendix D.

Data Review

WDNR conducted the current FYR period groundwater sampling in October 2017. Groundwater samples were collected at five of six monitoring wells (MW1, MW2, MW3, MW5 and MW6). Monitoring well MW4 was damaged and the groundwater sample was not collected. Groundwater monitoring results from October 2017 were reviewed and evaluated to determine whether the contaminant concentrations at the Site were above the PALs or ESs. WAC NR 140 provides for: 1) a PAL, which serves as an early warning concentration to indicate that actions should be taken to investigate groundwater conditions; and 2) an ES which is an action level requiring initiation and maintenance of a cleanup response to restore groundwater quality to the PAL. If it is not economically or technically feasible to restore groundwater to the PAL, then the cleanup action must restore groundwater to the ES.

In general, sampling data results indicated that the contaminant concentration levels at the Site were consistent with historical data and that the levels were stable.

The 2017 sampling results for background wells MW-1 and MW-6 indicate all parameters are below their respective PALs and are consistent with general historical data. The level of lead and chromium in monitoring wells other than background wells are consistent with historical data. The level of chromium historically is above the PAL in MW-4 and MW-5. The 2017 data showed that the only contaminant consistently detected has been total chromium above the WAC NR 140 ES of 100 ug/L in monitoring well MW-5 (237 ug/L). However, this concentration is below the historical level of 340 ug/L and 2012 FYR level of 415 ug/L. Concentrations of chromium have fluctuated in MW-5 since 2008, but they do not appear to be increasing over time since 1993. It should also be noted that the chromium contamination at the Site is of the trivalent form. There was no hexavalent chromium, which is more hazardous, detected above 10 ug/L during the Remedial Investigation/Feasibility Study (RI/FS) sampling. Trivalent chromium is much less toxic than hexavalent chromium and EPA's Integrated Risk Information System (EPA IRIS) has classified trivalent chromium as Group D, not classifiable as to carcinogenicity in humans.

There were no exceedances for lead in any of the on-site (MW-5) or downgradient wells (MW-2 and MW-3) in the 2017 sampling round. The level of barium in MW-5, the on-site well, was consistent with historical data and is below the PAL of 400 ug/L. Overall, the sampling results indicate that the levels of contaminants have stabilized and are decreased compared with 2012 monitoring data.

Based on site history, WDNR does not expect that contaminant migration offsite will occur at the Site. Currently, WDNR requests that groundwater monitoring be discontinued and the monitoring wells be abandoned due to the lack of ES exceedances beyond the site boundary since monitoring began in 1993. EPA will evaluate the data to determine whether to change the frequency of the groundwater monitoring program.

The 2017 groundwater monitoring data and a map showing the monitoring well locations are presented in Appendix E and Figure 2.

Site Inspection

The inspection of the Site was conducted on 9/27/2017. In attendance were Giang-Van Nguyen, EPA and Kevin McKnight, WDNR. The purpose of the inspection was to assess the protectiveness of the remedy by inspecting the condition of fencing to restrict access, inspecting the integrity of the cap, assessing the general condition of the Site and verifying the condition of the monitoring wells. The Site appeared secure with both a locked gate and fence. There was no evidence of violations of the ICs at the Site. The cap was in good condition. The Site had a good vegetative cover. The perimeter fence was in good condition, with the exception of damage along the north side of the site where trees have fallen across the fence. The flush mount covers appeared secured and closed on all monitoring wells. The Site Inspection Checklist is included in Appendix F.

Interviews

EPA published a notice in the local newspaper, the Post-Crescent and on EPA's website on 1/29/2018, stating that there was a FYR and inviting the public to submit any comments to EPA. Neither EPA nor WDNR received any comments. As a result, no formal interviews were conducted because of the lack of interest and because there were no significant changes at the Site since the last FYR, other than ongoing O&M.

V. TECHNICAL ASSESSMENT

QUESTION A: Is the remedy functioning as intended by the decision documents?

Answer: Yes.

Remedial Action Performance:

The review of documents, ARARs, risk assumptions, the results of the site inspection, and the analysis of the results of the groundwater monitoring indicate that the remedy is functioning as intended by the RODs. The removal and proper disposal of the PCB-contaminated wastes and sediment, and the capping of the remaining contaminated wastes within the landfill have achieved the remedial objectives to minimize the migration of contaminants to groundwater and surface water and prevent direct contact with, or ingestion of, contaminants in waste materials. Maintenance of the cap has been effective. No activities were observed that would compromise the integrity of the remedy. The cap and the surrounding area were in good condition, there were no signs of unauthorized access, and no new uses of groundwater were observed. The gates to the Site are intact and in good repair. The monitoring well network provides sufficient data to assess the status of the groundwater. The contaminant concentration levels in groundwater at the Site are below their respective PALs and are consistent with general historical data. However, concentrations of chromium have fluctuated in one well and have been detected above the ES level. It should be noted that the chromium contamination at the Site is of the trivalent form. There was no hexavalent chromium, which is more hazardous, detected above 10 ug/L during RI/FS sampling. Trivalent chromium is much less toxic than hexavalent chromium and the EPA IRIS has classified trivalent chromium as Group D, not classifiable as to carcinogenicity in humans. EPA will evaluate the groundwater data to determine whether to change the frequency of the groundwater monitoring program to assess the situation regarding chromium at the Site. Any change to the frequency of sampling events will not affect current nor future protectiveness of the remedy.

Early Indicators of Potential Issues:

There have been no indications of potential issues with the Site remedy over the last five years.

Implementation of ICs and Other Measures:

At this time, initial IC evaluation activities have determined that all non-UU/UE areas are addressed effectively by the court order of November 15, 1991 and the Warranty Deed recorded in Calumet County, Wisconsin on July 22, 1999. The implementation of effective ICs has prevented exposure to, or ingestion of, site related contaminants in the soil and groundwater and therefore, the remedy is functioning as intended. Also, as recommended from the last FYR, EPA is drafting an ESD to document that ICs are a necessary component of the soil remedy and to implement an IC in the form of a restrictive covenant if the property is transferred to a new owner. WDNR will place the Site on the State of Wisconsin database called *Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW)*. In addition, long-term stewardship procedures will be developed in a Long-term Stewardship Plan.

Current Use Compatibility with Land Use Restriction:

Based on the Site inspection, EPA is not aware of any Site uses which are inconsistent with the stated objectives of the ROD and the ICs. The remedy appears to be functioning as intended.

QUESTION B: Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives (RAOs) used at the time of the remedy selection still valid?

Answer: Yes.

The RAOs in place at the time of remedy selection are still valid.

Changes in Standards and TBCs:

Standards outlined and updated in the decision documents and discussed in the last FYR report are still valid at the Site. There have been no known changes in Applicable or Relevant and Appropriate Requirements or standards affecting the protectiveness of the remedy since the last FYR report.

Changes in Toxicity and Other Contaminant Characteristics:

There have been no changes in the toxicity factors for the contaminants of concern nor other contaminant characteristics at the Site since the last FYR.

Changes in Risk Assessment Methods

Standardized risk assessment methods have not changed in a way that could affect the assessment of the protectiveness of the remedy.

Changes in Exposure Pathways

There have been no changes in the potential exposure pathways at the Site since the last FYR. No other changes in Site conditions that affect exposure pathways were identified as part of this FYR. There are no current or known planned changes in the Site land use.

QUESTION C: Has any other information come to light that could call into question the protectiveness of the remedy?

Answer: No.

No other information has come to light that could call into question the protectiveness of the remedy.

VI. ISSUES/RECOMMENDATIONS

Issues and Recommendations Identified in the Five-Year Review:

OU(s): 1, 2	Issue Category: Institutional Controls			
	Issue: The RODs did not require ICs.			
	Recommendation: Complete an ESD documenting ICs as a component of the remedy for the Site.			
Affect Current Protectiveness	Affect Future Protectiveness	Party Responsible	Oversight Party	Milestone Date
No	Yes	EPA	EPA/State	12/31/2018

OU(s): 1, 2	Issue Category: Institutional Controls			
	Issue: Long-term stewardship procedures are needed to ensure that effective ICs are monitored, maintained and enforced.			
	Recommendation: Develop and implement a Long-term Stewardship Plan to include procedures for monitoring and tracking compliance with existing ICs, communicating with EPA, and providing an annual certification to EPA that the ICs remain in place and are effective, issue continuing obligations requirements and place the site on the BOTW database; and implement a restrictive covenant.			
Affect Current Protectiveness	Affect Future Protectiveness	Party Responsible	Oversight Party	Milestone Date
No	Yes	EPA/State	EPA/State	12/31/2018

OU(s): 1, 2	Issue Category: Institutional Controls			
	Issue: Additional ICs needed if Site property is transferred to a new owner.			
	Recommendation: Develop a restrictive covenant.			
Affect Current Protectiveness	Affect Future Protectiveness	Party Responsible	Oversight Party	Milestone Date
No	Yes	EPA	EPA/State	12/31/2018

OTHER FINDINGS

The following is a recommendation that was identified during the FYR that may improve performance of the remedy but that does not affect current or future protectiveness:

- WDNR needs to repair the fence and install new safety and/or warning signs for the Site.
- EPA will evaluate the groundwater data to determine whether to change the frequency of the groundwater monitoring program to assess the situation regarding chromium at the Site.

VII. PROTECTIVENESS STATEMENT

Protectiveness Statement(s)	
<i>Operable Unit:</i> OU1	<i>Protectiveness Determination:</i> Short-term Protective
<i>Protectiveness Statement:</i> The remedy at OU1 is currently protective of human health and the environment because a fence was placed around the Site and removal of more than 3,500 cubic yards of PCB-contaminated material was completed. However, in order for the remedy to be protective in the long-term, the following actions need to be taken to ensure protectiveness: complete an ESD documenting ICs as a component of the remedy for the Site; develop and implement a Long-term Stewardship Plan to include procedures for monitoring and tracking compliance with existing ICs, communicating with EPA, and providing an annual certification to EPA that the ICs remain in place and are effective; issue continuing obligations requirements and place the site on the BOTW database; and implement a restrictive covenant.	

Protectiveness Statement(s)	
<i>Operable Unit:</i> OU2	<i>Protectiveness Determination:</i> Short-term Protective
<i>Protectiveness Statement:</i> The remedy at OU2 is currently protective of human health and the environment because it eliminates the principal threat posed by the Site by preventing direct contact with contaminated materials through the removal and capping of contaminated soils and groundwater monitoring. A court order dated November 15, 1991 and the Warranty Deed recorded in Calumet County, Wisconsin on July 22, 1999 ensure the integrity of the remedy and restrict current and future land use. However, in order for the remedy to be protective in the long-term, the following actions need to be taken to ensure protectiveness: complete an ESD documenting ICs as a component of the remedy for the Site; develop and implement a Long-term Stewardship Plan to include procedures for monitoring and tracking compliance with existing ICs, communicating with EPA, and providing an annual certification to EPA that the ICs remain in place and are effective; issue continuing obligations requirements and place the site on the BOTW database; and implement a restrictive covenant.	

Sitewide Protectiveness Statement	
<i>Protectiveness Determination:</i> Short-term Protective	
The remedy at the Schmalz Dump Site is currently protective of human health and the environment because exposure pathways that could result in unacceptable risks are under control. All remedial activities specified in the 1985 and 1987 RODs are completed. The implementation of ICs through the court order dated November 15, 1991 and the Warranty Deed recorded in Calumet County, Wisconsin on July 22, 1999 ensure the integrity of the remedy and restrict current and future land use. However, in order for the remedy to be protective in the	

long-term, the following actions need to be taken to ensure protectiveness: complete an ESD documenting ICs as a component of the remedy for the Site; develop and implement a Long-term Stewardship Plan to include procedures for monitoring and tracking compliance with existing ICs, communicating with EPA, and providing an annual certification to EPA that the ICs remain in place and are effective; issue continuing obligations requirements and place the site on the BOTW database; and implement a restrictive covenant.

VIII. NEXT REVIEW

The next FYR report for the Schmalz Dump Superfund Site is required no less than five years from EPA's signature date of this review.

FIGURE 1 – Site Location

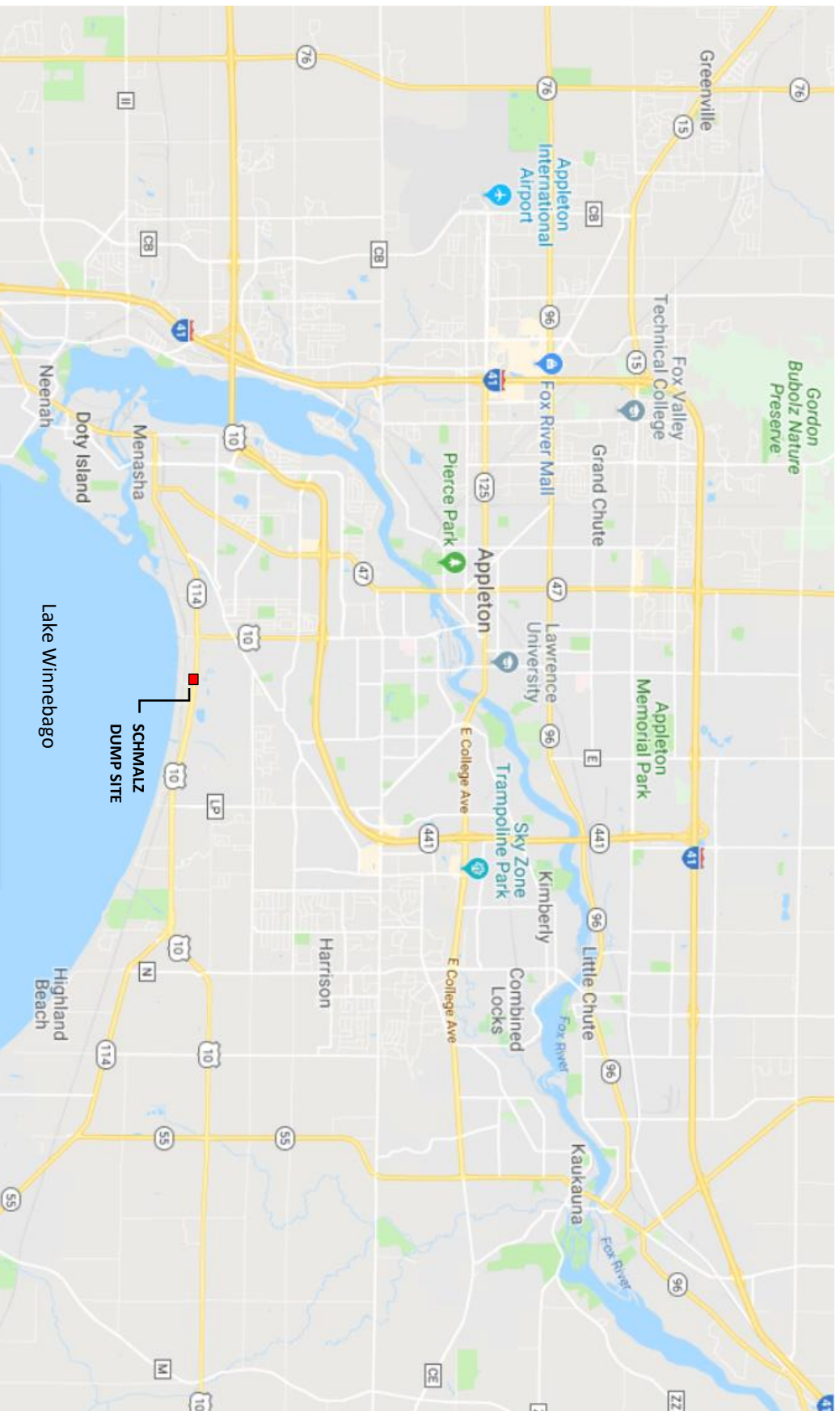
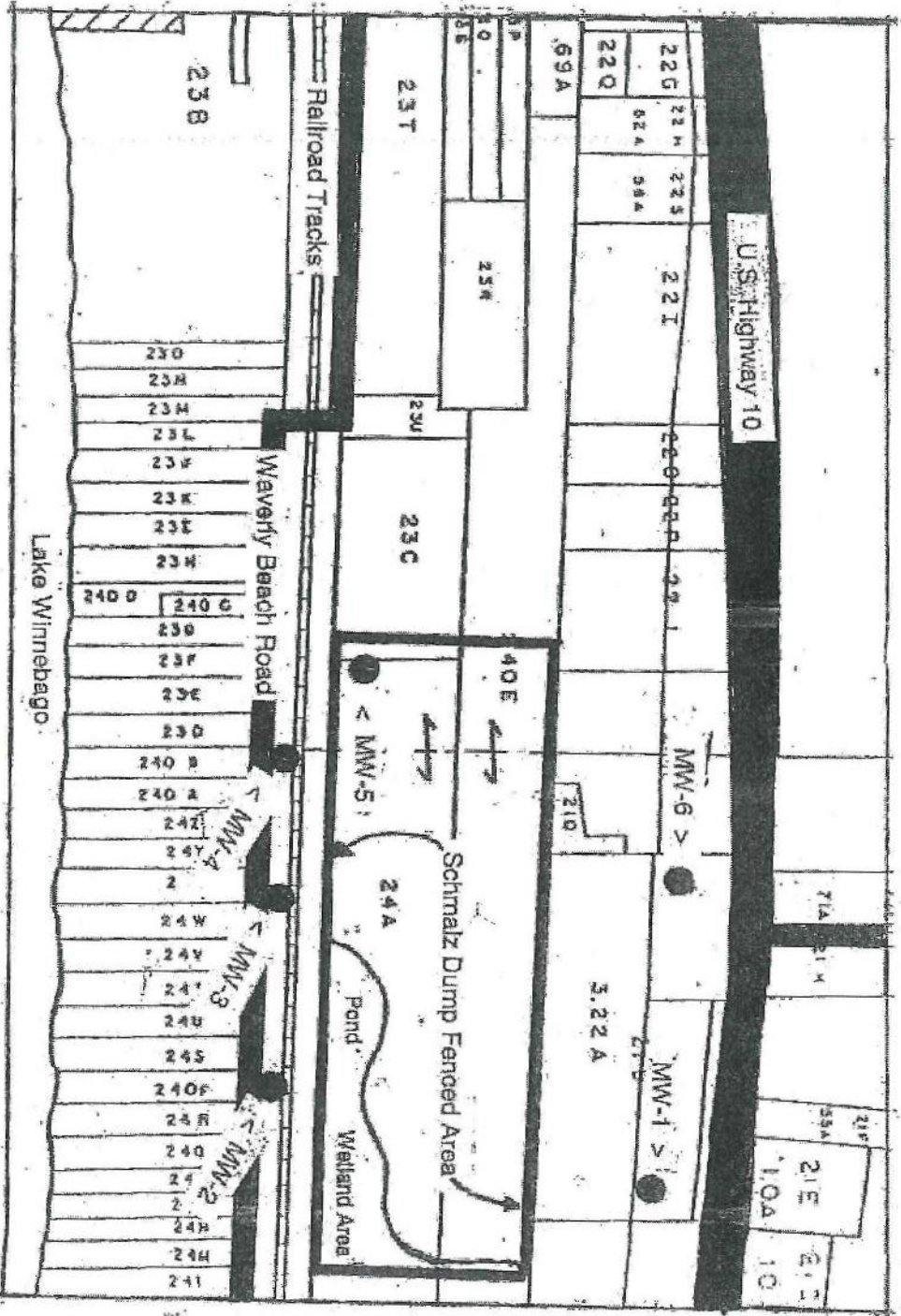


FIGURE 2 - Site Monitoring Well Locations and Fence



Schmalz Dump Site Plan

Showing Location Of Monitoring Wells MW-1 Through MW-6 And Boundary Of Site Fence
 Scale: 1 inch = Approximately 300 Feet / North Is At Top Of Page
 Plan Taken From Property Identification Map



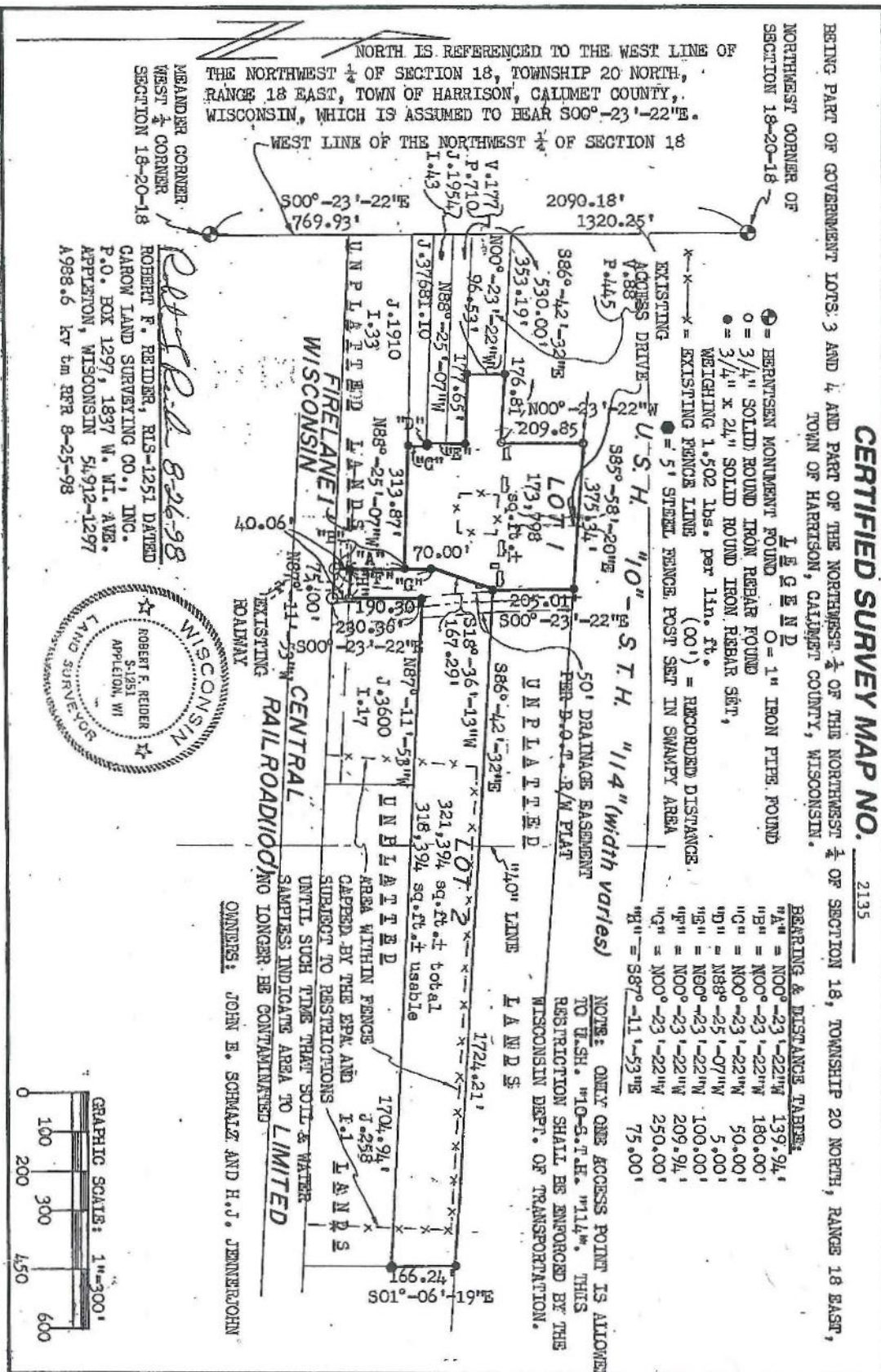
FIGURE 3 - Site Certified Survey Map

CERTIFIED SURVEY MAP NO. 2135

BEING PART OF GOVERNMENT LOTS 3 AND 4 AND PART OF THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 20 NORTH, RANGE 18 EAST, TOWN OF HARRISON, CALUMET COUNTY, WISCONSIN.

NORTH IS REFERENCED TO THE WEST LINE OF THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 20 NORTH, RANGE 18 EAST, TOWN OF HARRISON, CALUMET COUNTY, WISCONSIN, WHICH IS ASSUMED TO BEAR $500^{\circ}-23'-22''$ E.

WEST LINE OF THE NORTHWEST 1/4 OF SECTION 18



- LEGEND**
- = HERRITSEN MONUMENT FOUND
 - = 1" IRON PIPE FOUND
 - = 3/4" SOLID ROUND IRON REBAR FOUND
 - = 3/4" x 24" SOLID ROUND IRON REBAR SET, WEIGHING 1.502 lbs. per lin. ft.
 - (OO') = RECORDED DISTANCE
 - = 5' STEEL FENCE POST SET IN SWAMPY AREA

BEARING & DISTANCE TABLE

"A"	N00°-23'-22"W	139.94'
"B"	N00°-23'-22"W	180.00'
"C"	N00°-23'-22"W	50.00'
"D"	N88°-25'-07"W	5.00'
"E"	N00°-23'-22"W	100.00'
"F"	N00°-23'-22"W	209.94'
"G"	N00°-23'-22"W	250.00'
"H"	N87°-11'-53"W	75.00'

NOTE: ONLY ONE ACCESS POINT IS ALLOWED TO U.S.H. "10-S.T.H." "114" THIS RESTRICTION SHALL BE ENFORCED BY THE WISCONSIN DEPT. OF TRANSPORTATION.

OWNERS: JOHN E. SCHWALZ AND H.J. JENNERSOHN

MEANDER CORNER
WEST 1/4 CORNER
SECTION 18-20-18

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APPLETON, WISCONSIN 54912-1297
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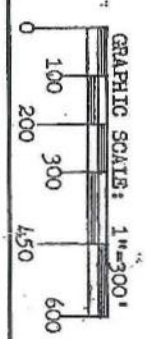
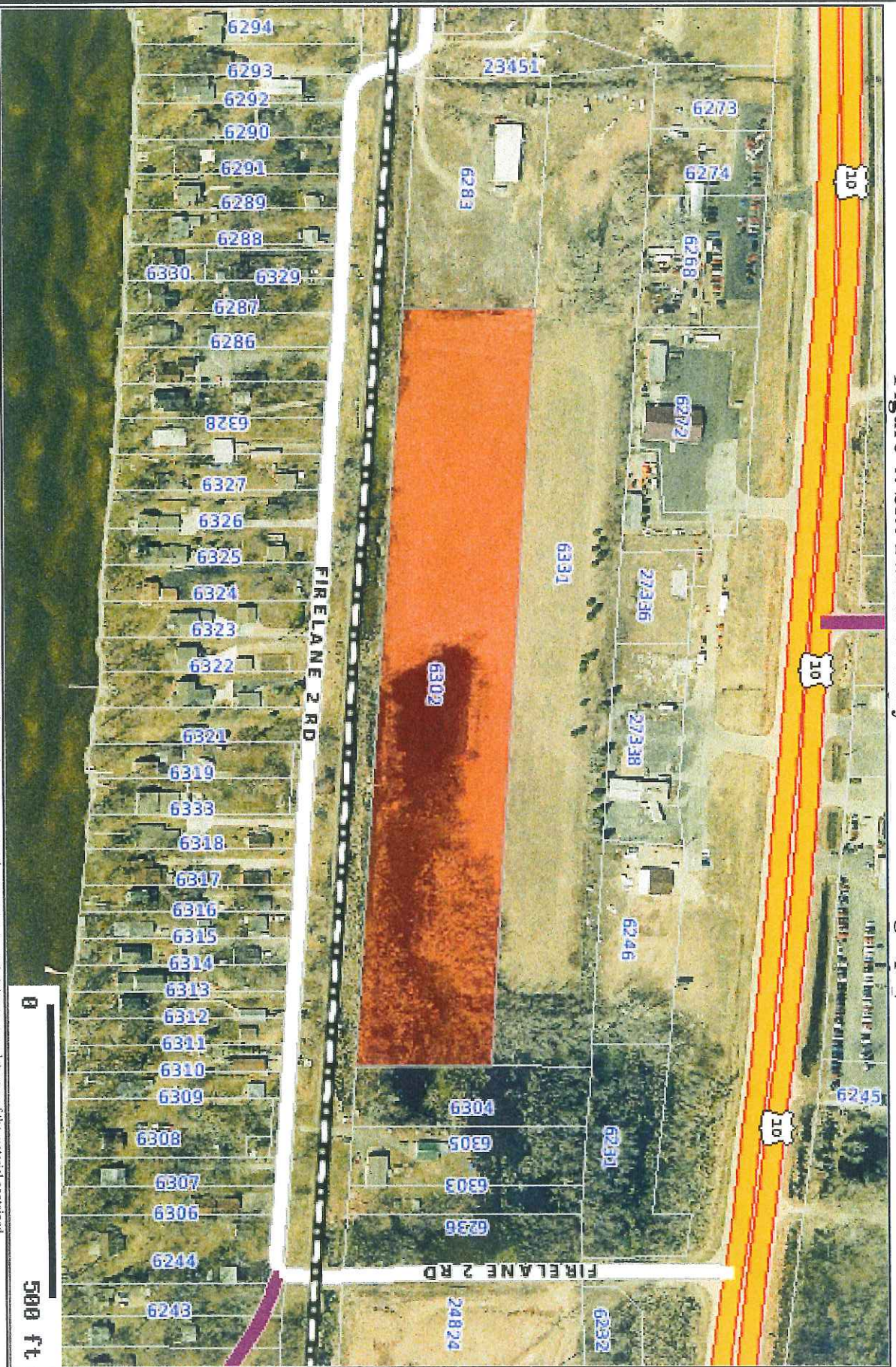


Figure 4: Site Parcel Overlay on Aerial Photograph



This map is neither a legally recorded map nor a survey and is not intended to be used as such. Calumet County does not guarantee the accuracy, current status, or completeness of the material contained herein and is not responsible for any misuse or misrepresentation of this information or its derivatives. In no event shall Calumet County become liable to users of this data for any loss arising from the use or misuse of these maps. The tax parcel data is compiled from official records, including survey plats and deeds, but only contains the information required for Calumet County business. Original recorded source documents located in the county courthouse should be used for legal or survey purposes. The County shall remain the exclusive owner of all rights, title, and interest in all specifically copyrighted information on this website. To assist Calumet County in the maintenance of this data, users are encouraged to provide information to the County concerning errors or omissions. To report an error, please contact the County's GIS Administrator at (920) 849-1442 or at Hess.Amy@co.calumet.wi.us.

500 ft

APPENDIX A – REFERENCE LIST

- Declaration for the Record of Decision, Schmalz Dump, Harrison, Wisconsin, September 30, 1987.
- EPA Preliminary Close out Report, September 1993
- Fourth Five-Year Review Report, August 2008.
- Fifth Five-Year Review Report, August 2013.
- Wisconsin Department of Natural Resources Groundwater Sampling Data 2003 through 2017.

APPENDIX B – Site Background and History

A. Site Chronology

Chronology of Site Events

Event	Date
Filling begins at the site. This included car bodies, stone, trees, waste wood chips, pulp and mash from paper manufacture.	1968
Fly ash and bottom ash from Menasha Utility is deposited.	1972 & 1973
Demolition debris from Allis-Chalmers Corporation facility is deposited.	1978 & 1979
On-site sampling identified polychlorinated biphenyl (PCB) contamination within the area of the Allis-Chalmers debris disposal area.	1979
Final listing on the United States Environmental Protection Agency (EPA) National Priorities List (NPL).	9/21/1984
Remedial Investigation/Feasibility Study (RI/FS) initiated.	4/1985
Record of Decision (ROD) for the PCB Operable Unit (OU)1 requiring fence around the PCB OU and removal and off-site disposal of PCB contaminated sediments and debris in an approved landfill.	8/13/1985
Fence constructed.	1985
ROD for the capping OU2 requiring the installation of a low permeability, compacted earth material cap over approximately seven acres of lead and chromium contaminated soil, implementation of groundwater monitoring for lead and chromium, propose a voluntary well abandonment program.	9/30/1987
Removal and disposal of the PCB contaminated debris and sediments. The solids went to an EPA approved landfill. Follow-up sampling confirmed remaining sediments were below action level of 1 mg/kg.	1987-1988
The Wisconsin Department of Natural Resources (WDNR), EPA Region 5, and the United States Army Corps of Engineers (USACE) developed design documents. The approved design was a soil cap.	1988-1992
Contractor initiated clearing and grubbing of the site for construction.	1992
Cap placement, final grading and seeding of the site.	1993-1994
Quarterly groundwater sampling.	1993-1994
EPA completed a Preliminary Close Out Report	09/24/93
First Five-Year Review signed	09/24/93
Final inspection of the site by USACE, EPA and WDNR.	1994
Contractor's responsibility for maintaining the cap ends and final inspection.	6/1/1995
WDNR became responsible for maintenance and monitoring of the site cover.	6/1/1995
WDNR inspection and groundwater sampling.	4/21/1998

Event	Date
WDNR inspection and groundwater sampling.	7/21/1998
WDNR inspection and groundwater sampling	11/2/1998
EPA second Five-Year Review	1998
WDNR inspection / Third 5-Year Review	9/29/2003
WDNR inspection and groundwater sampling.	10/12/2004
EPA inspection / Fourth 5-Year Review	6/24/2008
Fourth Five-Year Review Signed	08/22/2008
WDNR inspection and groundwater sampling.	2008 - 2012
EPA Inspection / Fifth Five-Year Review	06/19/2013
Fifth Five-Year Review Signed	8/12/2013
Sixth Five-Year Review Inspection	9/20/2017

B. Background

Physical Characteristics

The Site is located in the SE ¼ of the NW ¼ of Section 18, T20N, R18E, in the Town of Harrison, Calumet County, Wisconsin (Figure 1- Site Location). The Town of Harrison has approximately 10,839 residents (2010 census). The dump is situated about 500 feet north of the north shore of Lake Winnebago and about 700 feet south of the City of Menasha. The City of Menasha has approximately 17,353 residents (2010 census). The ten and one-half acre site includes the capped seven-acre dump, three acres of adjacent property, and a half-acre wetland. The property adjacent to the dump does not contain waste material from the dump and is not covered by the impermeable cap. The Site is bound to north and west by what were historically wetlands that have been filled for commercial development. The fill contains waste materials, mostly fly ash, bottom ash, and construction debris. A wetland borders the east side of the Site. A railroad right-of-way is on the southern border. South of the railroad tracks is a residential area called Waverly Beach. Waverly Beach was created by dredging sand from Lake Winnebago to fill the wetlands. In 1984, all residences in the Waverly Beach area were connected to the City of Menasha water system. A number of residents still have private wells, but use them only for watering yards and other outdoor purposes.

Land and Resource Use

The fenced area that comprises the Schmalz Dump Superfund Site consists of three parcels. The Schmalz property is approximately 5.7 acres in size. Two adjacent properties are about 4.8 acres. The Schmalz property is still owned by Gregory A. Schmalz and has been tax delinquent since 1985. The two adjacent properties are owned by William P. Bojarski. The lands surrounding these three parcels are owned by different property owners. With the exception of the land immediately to the east that is a wetland, all of the surrounding properties are developed, residentially to the south and east, commercially to the north and west. With the exception of

existing wetlands to the east, all surrounding properties have all been filled with a wide variety of materials. The Site is completely fenced. Access to the Site is restricted through two gates. All of the remaining waste mass is contained beneath an impermeable cap that covers about seven acres.

Municipal water serves the area surrounding the Site. Some of the private residences have private wells that are used for lawns and gardens. These wells would get water from the fractured dolomite aquifer underlying the Site. The dominant groundwater flow direction in the shallow aquifer is south towards Lake Winnebago.

History of Contamination

The Site and the surrounding area were part of a wooded wetland prior to filling. Filling on the Site began in 1968. The long-range objective of the filling was to develop the property for residential usage. Available information indicates that wastes disposed on the Site at that time included car bodies, stone, trees, waste wood chips, pulp and mash from paper manufacture. In 1972 and 1973, fly ash and bottom ash from Menasha Utility was disposed. In 1978 and 1979, demolition debris from an Allis-Chalmers Corporations facility was disposed at the Site.

In 1979, on-site soil sampling identified PCB contamination within the area of the Allis-Chalmers debris disposal. PCB concentrations were as high as 3100 milligrams per kilogram (mg/kg) in soils.

Initial Response

After reviewing data from the Site, WDNR recommended to EPA that the Site be included on the NPL. The Site was placed on the NPL on September 21, 1984. A RI/FS was initiated in April 1985. A ROD for OU1 was issued in 1985 to address the public health threat from PCB contamination. That ROD required removal and off-site disposal of the PCB contaminated sediments and debris in an approved landfill. With the removal of the PCB contamination, the remaining public health threats were exposure to lead and chromium in soils and groundwater. A second ROD was issued in 1987 to address the risks due to lead and chromium.

Basis for Taking Action

Exposures to exposed waste, contaminated soil/sediments, contaminated groundwater or contaminated surface water are associated with significant human health risks, due to exceedance of EPA's risk management criteria for either the average or the reasonable maximum exposure scenarios. Risks from exposure were significant due to the presence of PCBs and metals.

Elevated total chromium concentrations were detected in surface water from the drainage ditch, in sediments, soils, and in on-site groundwater during Phase I investigations. During Phase II investigation, no hexavalent chromium was detected above the detection limit of 10ug/L. Hazardous substances that have been released at the Site in each media include:

Soil and Sediment: PCBs; lead; chromium

Waste: PCBs; lead; chromium

Groundwater: lead; chromium
Surface Water: PCBs; lead; chromium

C. Remedial Actions

Remedy Selections

OU1 – PCB Operable Unit

The ROD for OU1 was signed on August 13, 1985. This first ROD addressed the threat of PCB contamination at the Site and was intended to meet two remedial action objectives: (1) eliminate future release from the contaminant source to the various pathways, and (2) remove the threat of direct contact to the surrounding community and the environment. A fence was constructed in 1985. Beginning in 1987, the construction debris and sediments containing elevated concentrations of PCBs were removed and disposed of in an approved landfill. Follow-up sampling confirmed that the remaining sediments were below the action level of 1 mg/kg of PCBs, but were still contaminated with lead and chromium. The water/solids mixture in the sediments was separated, with the solids going to an EPA approved hazardous waste landfill. The water went through treatment prior to being discharged to the pond on the Schmalz Dump property. The removal of the PCB contaminated sediments and debris was completed in 1988.

OU2- Soils and Groundwater Operable Unit

The ROD for the OU2 was signed on September 30, 1987 and was intended to meet two remedial action objectives: (1) protection from direct contact with contaminated soils and (2) monitoring for degradation of groundwater quality from these soils. The ROD required construction of a low permeability soil cap over approximately seven acres of the contaminated soil, and implementation of a groundwater monitoring program, and evaluation of whether a corrective action was necessary in case of any increase in groundwater concentrations of chromium or lead. The ROD also proposed a voluntary well abandonment program for residents between the Site and Lake Winnebago, and evaluation of adjacent property. However, these proposals were not to address risks caused by the Site. Because groundwater at the Site did not exceed State or federal standards the selected remedy did not require treatment of groundwater and did not establish a cleanup standard for groundwater.

EPA, WDNR, and USACE developed the design documents during 1988 through 1992. The approved design provided for a cap consisting of enough clean soil (one to ten feet thick) to provide the proper grade. This would be covered with two feet of compacted clay, which would be covered by six inches of topsoil to establish vegetative growth. The contract for construction for the 1987 ROD included abandonment of 12 existing monitoring wells; installation of six new monitoring wells; placement and compaction of 38,000 cubic yards of low permeability clay soil; placement of 4,300 cubic yards of topsoil; establishment of turf and landscaping; installation of a perimeter security fence; maintenance of the Site for one year starting from the date of completion of seeding; and four quarters of groundwater monitoring. The remedial design was completed in 1992 with the resulting soil cap being completed in 1994. The lead for the Site was then passed from EPA to WDNR in 1995.

Chemical Waste Management (CWM) was selected as the construction contractor. CWM prepared a Contractor Quality Control Plan, and the Site Health and Safety Plan, which included separate Dust Control, Spill Control, and Precipitation/Groundwater Control Plans. These plans were reviewed and approved by USACE after necessary revisions were made.

Remedy Implementation

The remedial action consisted of two separate phases; one for fencing of the Site and removal of the mass of PCB contaminated materials (OU1), and a second phase for the capping of the Site and implementation of groundwater monitoring (OU2).

During the first phase, which began in 1985, based on Phased Feasibility Study completed in 1985, a fence was placed around the Site. Removal of more than 3500 cubic yards of PCB contaminated material began in 1987 and was completed in 1988.

The RODs did not require institutional controls such as deed restrictions on the Schmalz Dump. EPA obtained a court order dated November 15, 1991, against Gregory Schmalz, the owner of the capped and fenced area of the Site that grants EPA and the state access to the Site and prevents Mr. Schmalz from interfering with the remedy or disturbing the cap. In addition, the owners of the two adjacent lots outside the capped and fenced area have granted EPA and the state continuing access for operation and maintenance. This agreement for access is documented in a warranty deed from John Schmalz and H.J. Jennerjohn, Inc., to Theodore Pawlowski, William Bojarski and Lawrence O. Love, recorded on July 22, 1999. The deed to the Schmalz property acknowledges that a portion of the subject property has been determined hazardous to human health or welfare or the environment by EPA. The neighboring Bojarski & Pawlowski property has an easement agreement with EPA and the deed to the property acknowledges that a portion of the subject property has been determined hazardous to human health or welfare or the environment by EPA.

The second phase of remedial action began in October of 1992 with the clearing and grubbing of the Site. Actual placement of the cap was completed between May and September 1993, and final grading and seeding was completed in May 1994. In addition to the planned work, USACE approved the removal and disposal of an underground tank and its contents. An interim final inspection was conducted in October 1993 and, a final inspection in September 1994. These inspections included attendance by CWM, USACE, EPA and WDNR representatives. Remedial action construction activities were performed according to specifications.

CWM conducted quarterly groundwater sampling in August 1993, November 1993, February 1994, and June 1994. CWM's period for maintenance of the cap ended in May 1995, when a final mowing and inspection was conducted. In 1995, after CWM's contract expired, WDNR became responsible for maintenance and monitoring of the Site cover. The final contract price was approximately \$600,000.

System Operation/Operation and Maintenance

The primary activities associated with operations and maintenance (O&M) includes the following: visual inspection of the cap with regard to vegetative cover, settlement, stability; inspection of the drainage swales and ditches for blockage, erosion and instability; visual inspection of the fence for structural integrity; inspection of the condition of groundwater monitoring wells; and groundwater monitoring.

WDNR is responsible for conducting long-term O&M as well as groundwater monitoring. The 1987 ROD called for one year of quarterly monitoring, to provide a baseline of water quality at the Site; followed by annual monitoring for the next four years, with the monitoring to be re-evaluated at the end of the five-year period. WDNR initiated inspection and quarterly groundwater sampling at the Site in April 1998. Inspection and sampling was repeated in July and November of 1998. However, groundwater monitoring was stopped temporarily in December of 1998 due to two scheduling errors. A change of Project Managers occurred in December of 1998, and as a result, the fourth quarter monitoring in early 1999 was not collected. The second error occurred when the new Project Manager delayed sampling until September 2003, believing that the monitoring schedule had been changed to correspond with the five-year review.

Annual groundwater monitoring was completed in 2003 and 2004 only. Data from the 2004 event indicated that contaminant concentrations in the vicinity of the Site were at low levels and stable. WDNR stated that sampling events for the years 2005 through 2007 were not completed due to scheduling conflicts but that another sampling event was planned for June 2008. EPA expressed concern that annual monitoring was not being performed as required by the provisions of the ROD. Annual sampling for four consecutive years is required by the provisions of the ROD at which time EPA can evaluate the sampling data and determine whether to change the frequency of the O& M sampling. WDNR completed the required four years of annual sampling from 2008 through 2012. WDNR conducted the FYR groundwater sampling in October 2017.

APPENDIX C — FIVE-YEAR REVIEW PUBLIC NOTICE

Valentine's Day festivities set for Appleton

From Staff Reports Appleton Post-Crescent
USA TODAY NETWORK - WISCONSIN

APPLETON — The city's downtown merchants will be rolling out some Valentine season love on Feb. 10, the Saturday before Valentine's Day arrives.

Couples are invited to gather in Houdini Plaza at noon for a Community Wedding Now Reveal. This public celebration will allow participants to re-proclaim their love for each other in the heart of downtown Appleton in a ceremony officiated by the Rev. John

McFadden. The celebration will include a "first dance," an ice cake, photo opportunities and an official certificate.

Ice sculptures will be featured along College Avenue. And live ice carving demonstrations will occur in Houdini Plaza immediately following the vow renewal.

The ice carvings and demonstrations are free.

Visitors also are encouraged to stop at the Saturday morning indoor farm market to write out what they love about downtown Appleton. Notes will be displayed through February in the ADI office windows at 116 N. Appleton St.

Also on Feb. 10, Death by Chocolate makes its 15th appearance. From 1 to 4 p.m., ticketholders will be able to sample chocolate desserts whipped up by chefs in downtown Appleton.

There will be two Death by Chocolate routes available this year, each featuring 20 locations for \$20. As participants travel from venue to venue, they can enjoy the sculptures, sample the delicacies and get some shopping. The downtown trolley will be available.

Participants are invited to vote for their favorite chocolate treat at any of the participating venues. Votes will determine this year's winning venue on each route, which will be presented with the annual People's Choice Award, along with bragging rights for the year.

Voters will also be eligible to win downtown Appleton gift certificates. For more information, visit www.appletondowntown.org or stop at the ADI office at 116 N. Appleton St. Participants must be 21 or older to partake at some establishments.

Complaints

Continued from Page 1A

and work — and there is no room for compromise on this commitment," UW System President Ray Cross said in an interview.

"We are focused on changing the culture on our campuses and beyond so victims feel empowered to come forward," he said. "We have been implementing real, tangible approaches at our institutions to continue tackling these challenges."

UW-Madison acknowledged sexual harassment is widely underreported there.

A 2015 campus climate survey was a wake-up call. UW-Madison officials said, because more than half of all students who responded said they had been sexually harassed. Of female graduate students who cited sexual harassment, 22.2 percent accused a faculty member.

The state's flagship campus is working on a centralized reporting system because complaints are made through many different offices and many are informally resolved.

UW-Milwaukee had the most formal investigations — 34 — from 2014 through 2017, followed by UW-Oshkosh with 19, UW-Whitewater with 11, UW-Madison with seven, UW Colleges with five and UW-Green Bay with four.

Three institutions — UW-Stevens Point, UW-Platteville and UW-Stout — investigated three complaints. UW-River Falls had two. UW-Parkside, UW Extension and UW-Superior each investigated one complaint.

At least half of the formal investigations found claims were substantiated, and either university policies were violated or the employee was warned or referred for sexual harassment awareness training.

Investigation findings varied widely by campus. UWM proportionately found fewer complaints were substantiated. Of 34 cases investigated between 2014 and 2017, UWM concluded 30 were policy violations, while 22 involved no violation. Two cases are still pending.

In cases across the UW System where violations were substantiated, employees were required to undergo training or counseling, they resigned or were terminated, or accommodations were made to minimize contact between the individuals involved.

The UW System agreed to initially provide the Journal Sentinel with basic information, as highly publicized cases of sexual harassment in workplaces in recent months have brought the issue into compelling focus.

The Journal Sentinel has requested additional details for most of the cases.

UW System noted in its response that Cross created a task force in 2014 that included representatives from every UW campus. Several of the group's recommendations are now being implemented, including mandatory training on sexual violence and harassment for all employees across the system, spokeswoman Stephanie Marquis said.

The UW System also has a webpage to share university policies on sexual harassment and to guide the filing of a complaint against an employee.

Financial settlements at Oshkosh

Financial settlements were made in two of the 19

"Our campus communities should be safe and welcoming places to live, learn and work — and there is no room for compromise on this commitment."

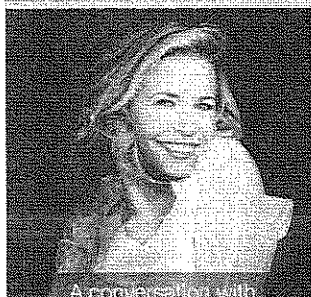
UW System President Ray Cross

cases at UW-Oshkosh since 2014, though the university officially concluded no policy violations occurred in either case.

Both complaints were filed in 2017 and both accused a faculty member of sexually harassing an employee. When the employee reported it to a supervisor, the supervisor fired the employee — allegedly in retaliation for reporting it. It was unclear from the records whether both complaints involved the same faculty member and employee.

Four of the 19 cases involved either a faculty member or an academic staff supervisor allegedly in a relationship with a student — one of them an athlete.

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EPA Begins Review of Schmalz Dump Superfund Site
Calumet County, Wisconsin

EPA is conducting a five-year review of the Schmalz Dump, state Route 2, Fire Lane 1, town of Harrison, Calumet County, Wis. The Superfund law requires regular checkups of sites that have been cleaned up — with waste managed on-site — to make sure the cleanup continues to protect people and the environment. This is the fifth review of the site.

EPA's original cleanup included a cover over contaminated soil, fencing and groundwater monitoring.

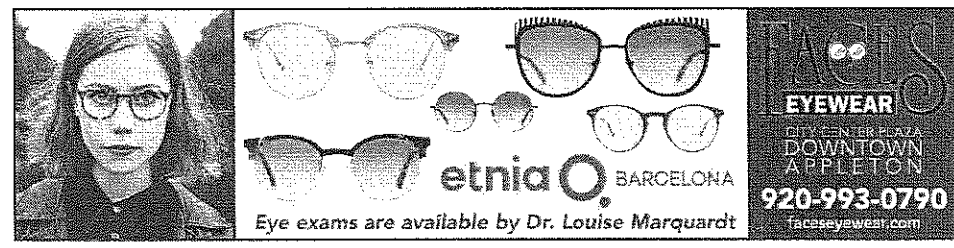
More information is available at www.epa.gov/superfund/schmalz-dump and the University of Wisconsin-Fox Valley Library, 1478 Midway Road, Menasha. The review should be completed by May.

The five-year review is an opportunity for you to tell EPA about site conditions and any concerns you have. Contact:

Susan Pastor
Community Involvement Coordinator
312-353-1825
pastor.susan@epa.gov

Giang Van Nguyen
Remedial Project Manager
312-886-6726
nguyen.giang-van@epa.gov

You may also call EPA toll-free at 800-621-6431, 8:30 a.m. to 4:30 p.m., weekdays.



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APPENDIX D – COURT ORDERS AND WARRANTY DEEDS

Agency ("EPA") and its representatives are hereby authorized to enter onto and remain on the property of Gregory Schmalz, located at the Schmalz Dump Site, in the Town of Harrison, Calumet County, State of Wisconsin, for the purposes of completing the response activities on the Schmalz Dump Site pursuant to EPA's Record of Decision signed September 30, 1987. Access for EPA and its representatives is granted until such time as EPA and its representatives complete the response activities as set forth in EPA's Record of Decision signed September 30, 1987. Defendant Gregory Schmalz is hereby enjoined from obstructing or interfering with EPA or its authorized representatives from entry onto the Schmalz Dump Site, in conducting the response activities, and from disturbing any of the work done as part of the response activities.

3. Declaratory judgment is hereby awarded to the United States and against defendant Gregory Schmalz for all costs incurred in the future by the United States, not inconsistent with the National Contingency Plan, 40 C.F.R. Part 300, in connection with response activities by EPA and its representatives at the Schmalz Dump Site, liability for such costs to be joint and several with such parties, if any, that may be found liable for such costs in the future.

4. This Order for Default Judgment does not constitute a resolution of any factual issue relating to the Plaintiff's claims against the City of Menasha or any other defendants, and shall not be relied upon in resolving the Plaintiff's claims against Menasha or any other defendants. This Order for Default

DOCUMENT NO.
165884

STATE BAR OF WISCONSIN - FORM 2
WARRANTY DEED

THIS SPACE RESERVED FOR RECORDING DATA
RECORDER'S OFFICE
CALUMET COUNTY, WI

Gerald W. Schmalz and Marie A. Schmalz,
husband and wife, and each in their own right,
for a good and valuable consideration

Received for Record
day of October A.O. 19 82
1:25 o'clock P. M. and Recorded in
Volume 258 Page 1

conveys and warrants to Gregory A. Schmalz

[Signature]
Notary Public
At 4.00

RETURN TO Attorney David K. Sparr
CURTIS, MCKENZIE & VANDER LOOP, S.C.
P.O. Box 735
Oshkosh, WI 54902

the following described real estate in Calumet County,
State of Wisconsin: All that part of Fractional Lots Three (3)
and Four (4) of Section Eighteen (18), Township Twenty (20)
North, Range Eighteen (18) East, Town of Harrison, Calumet
County, Wisconsin described as follows:

Beginning at a point on the North right-of-way line of the Chicago, Milwaukee and St. Paul Railroad that is One Thousand Three Hundred Twenty and Five Tenths Feet (1,320.5') East of the West line of Fractional Lot Four (4) said West line being the West line of Section Eighteen (18); thence North Two Hundred Thirty Feet (230') parallel with the West line of Fractional Lot Four (4); thence Easterly parallel with the North right-of-way line of said railroad One Thousand Two Hundred Forty-seven and Five Tenths Feet (1,247.5'); thence South Two Hundred Thirty Feet (230'); thence Westerly along the railroad right-of-way line One Thousand Two Hundred Forty seven and Five Tenths Feet (1,247.5') to the point of beginning. Also the right-of-ingress and egress over a portion of land described as follows:

Beginning at a point on the North Right-of-way line of the Chicago, Milwaukee & St. Paul Railroad that is One Thousand Three Hundred Twenty and Five Tenths Feet (1,320.5') East of the West line of Fractional Lot Four (4); thence Westerly Four Hundred Seventy and Five Tenths Feet (470.5') along the North line of said railroad; thence North Forty Feet (40'); thence Easterly parallel with the North line of said Railroad Four Hundred Seventy and Five Tenths Feet (470.5'); thence South Forty Feet (40') to the point of beginning.

This is homestead property.
(s) (s not)
Exception to warranties:

FEE

27.25(8)
EXEMPT

Dated this 10 day of October, 19 82

(SEAL)

(SEAL)

[Signature] (SEAL)
• GERALD W. SCHMALZ
[Signature] (SEAL)
• MARIE A. SCHMALZ

AUTHENTICATION

Signatures authenticated this 10 day of October, 19 82

• David K. Sparr
TITLE: MEMBER STATE BAR OF WISCONSIN
~~(If not)~~
authorized by § 706.06, Wis. Stats.)

ACKNOWLEDGEMENT

STATE OF WISCONSIN } ss.

County. }
Personally came before me, this _____ day of _____, 19____
_____ the above named _____

This instrument was drafted by
Attorney David K. Sparr

I am known to be the person _____ who executed the foregoing instrument and acknowledged the same.

(Signatures may be authenticated or acknowledged. Both are not necessary.)

(Names of persons signing in any capacity must be typed or printed below their signatures)

Notary Public _____ County, Wis.
My Commission is permanent. (If not, state expiration date: _____ 19____)

Stock No. 11142

185885

425 (12/80)

Prepared for and intended for use by commercial banks in transactions governed by Wisconsin Law.

Wisconsin Bankers' Association

REAL ESTATE MORTGAGE

(May use for (1) business purpose loan, (2) loan to an organization, (3) loan exceeding \$25,000 or (4) loan of \$25,000 or less if not governed by the Wisconsin Consumer Act.)

Gregory A. Schmalz

("Mortgagor")

whether one or more mortgages, conveys and warrants to Valley Northern Bank

("Lender")

In consideration of the sum of Five Thousand and no/100 Dollars (\$ 5,000.00)

loaned or to be loaned to Gregory A. Schmalz

("Borrower", whether one or more)

evidenced by Borrower's note(s) dated October 18, 1982

the real estate described below, together with all privileges, hardships, easements and appurtenances, all rents, leases, issues and profits, all awards and payments made as a result of the exercise of the right of eminent domain, and all existing and future improvements and fixtures (all called the "Property").

1. Description of Property. (This Property is not the homestead of Mortgagor.) Tax Key #

SEE ATTACHED EXHIBIT "A".

"The obligation secured hereby, at the option of the holder of the note, shall become due and payable immediately, without notice, upon transfer of the mortgagors' interest in the property mortgaged herein by deed, land contract, or any other means of conveyance or transfer."

if checked here, description is continued on reverse side or attached sheet.

2. Title. Mortgagor warrants title to the Property, excepting only restrictions and easements of record, municipal and zoning ordinances, current taxes and assessments not yet due and none

3. Escrow. Interest will be paid on escrowed funds required under paragraph 7(a) on the reverse side.

4. Additional Provisions. Mortgagor shall observe and comply with the Additional Provisions on the reverse side, which are incorporated herein, and shall not permit an event of default to occur. The undersigned acknowledges receipt of an exact copy of this Mortgage.

Signed and Sealed this 18th day of October, 1982

SEE REVERSE SIDE FOR ADDITIONAL PROVISIONS

NAME OF COMMERCIAL BANK (SEAL) By: (SEAL) Attest: (SEAL)

(Witnesses not required) Gregory A. Schmalz (SEAL) Gregory A. Schmalz (SEAL) (SEAL) (SEAL)

AUTHENTICATION OR ACKNOWLEDGMENT

Signatures of authenticated this day of 19

STATE OF WISCONSIN Outagamie County ss. Personally came before me, this 18 day of Oct., 1982 the above named Gregory A. Schmalz to my known to be the person who executed the foregoing instrument and acknowledged the same. Thomas E. Nooyen Notary Public, Outagamie County, Wis. My Commission (Expires) Aug 21, 1983

Title: Member State Bar of Wisconsin or authorized under Sec. 706.06, Wis. Stats.

This instrument was drafted by Thomas E. Nooyen

Type or print name signed above

RECEIPTS OFFICE OUTAGAMIE COUNTY, WI. Received for Record 21 day of October A.D., 1982 4:15 P.M. and Recorded in Book 258 Page 24

ADDITIONAL PROVISIONS

4. **Mortgage As Security.** This Mortgage is given to secure prompt payment to Lender of the sum stated in the first paragraph of this Mortgage, plus interest and charges, according to the terms of a promissory note(s) of Borrower to Lender identified on the reverse side, and any extensions, renewals or modifications, and any additional sums loaned by Lender to any Mortgagor, to any Mortgagor and another or to another guaranteed or endorsed by any Mortgagor agreed to be secured by this Mortgage except credit the granting of which is subject to the Wisconsin Consumer Act, plus interest and charges (all called the "Note"), and the performance of all covenants, conditions and agreements contained in this Mortgage, and to the extent not prohibited by law costs and expenses of collection or enforcement, if the Note is paid according to its terms, and all other payments are made and all other terms, conditions, covenants, and agreements contained in this Mortgage and the Note are performed then this Mortgage ceases and is void.

5. **Taxes.** To the extent not paid to Lender under §7(a), Mortgagor shall pay before they become delinquent all taxes, assessments and other charges which may be levied or assessed against the Property, or against Lender upon this Mortgage or the Note or other debt secured by this Mortgage, or upon Lender's interest in the Property, and deliver to Lender receipts showing timely payment.

6. **Insurance.** Mortgagor shall keep the improvements on the Property insured against direct loss or damage occasioned by fire, extended coverage perils and such other hazards as Lender may require, through insurers approved by Lender, in amounts, without co-insurance, not less than the unpaid balance of the Note or the full replacement value, whichever is less, and shall pay the premiums when due. The policies that contain the standard mortgage clause in favor of Lender and, unless Lender otherwise agrees, in writing, the original of all policies covering the Property shall be deposited with Lender. Mortgagor shall promptly give notice of loss to insurance companies and Lender. All proceeds from such insurance shall be applied, at Lender's option, to the installments of the Note in the inverse order of their maturities (without penalty for prepayment) or to the restoration of the improvements on the Property. In the event of foreclosure of this Mortgage or other transfer of title to the Property, in extinguishment of the indebtedness secured hereby, all right, title, and interest of Mortgagor in and to any insurance then in force shall pass to the purchaser or grantee.

7. Mortgagor's Covenants. Mortgagor covenants:

- (a) **Escrow.** To pay Lender sufficient funds at such times as Lender designates, to pay (1) the estimated annual real estate taxes and assessments on the Property, (2) all property insurance premiums when due, and (3) if payments owed under the Note are guaranteed by mortgage guaranty insurance, the premiums necessary to pay for such insurance which Lender may cancel at any time. Upon demand, Mortgagor shall pay Lender such additional sums as are necessary to pay these items in full when due. Lender shall apply these amounts against the taxes, assessments and insurance premiums when due. Escrowed funds may be commingled with Lender's general funds;
- (b) **Condition and Repair.** To keep the Property in good and tenantable condition and repair, and to restore or replace damaged or destroyed improvements and fixtures;
- (c) **Liens.** To keep the Property free from liens and encumbrances superior to the lien of this Mortgage;
- (d) **Waste.** Not to commit waste or permit waste to be committed upon the Property;
- (e) **Conveyance.** Not to sell, assign, lease, mortgage, convey or otherwise transfer any legal or equitable interest in all or part of the Property, or permit the same to occur without the prior written consent of Lender and, without notice to Mortgagor, Lender may deal with any transferee as to his interest in the same manner as with Mortgagor, without in any way discharging the liability of Mortgagor hereunder or upon the Note hereby secured;
- (f) **Alteration or Removal.** Not to remove, demolish or materially alter any part of the Property, without Lender's prior written consent, except Mortgagor may remove a fixture, provided the fixture is promptly replaced with another fixture of at least equal utility;
- (g) **Condemnation.** To pay to Lender all compensation received for the taking of the Property, or any part, by condemnation proceedings (including payments in compromise of condemnation proceedings), and all compensation received as damages for injury to the Property, or any part. The compensation shall be applied in such manner as Lender determines to rebuilding of the Property or to installments of the Note in the inverse order of their maturities (without penalty for prepayment);
- (h) **Ordinances; Inspection.** To comply with all laws, ordinances and regulations affecting the Property. Lender and its authorized representatives may enter the Property at reasonable times to inspect it and, at Lender's option, repair or restore it;
- (i) **Subrogation.** That the Lender is hereby subrogated to the lien of any mortgage or other lien discharged, in whole or in part, by the proceeds of the Note.

8. **Authority of Lender to Perform for Mortgagor.** If Mortgagor fails to perform any of Mortgagor's duties set forth in this Mortgage, Lender may perform the duties or cause them to be performed, including without limitation signing Mortgagor's name or paying any amount so required, and the cost shall be due on demand and secured by this Mortgage, bearing interest at the highest rate stated in any Note but not in excess of the maximum rate permitted by law from the date of expenditure by Lender to the date of payment by Mortgagor.

9. **Default; Acceleration; Remedies.** If, (a) there is a failure to make a payment under the Note when due and such default continues for a period of ten days, (b) Mortgagor fails timely to observe or perform any of Mortgagor's covenants contained in this Mortgage, (c) any representation or warranty made in this Mortgage or otherwise to induce Lender to extend credit to Mortgagor is false in any material respect when made, or (d) Mortgagor or a surety for the Note dies, ceases to exist or becomes insolvent or the subject of bankruptcy or other insolvency proceedings, the Note will, at the option of Lender and without notice, which is hereby waived, be payable immediately, and Lender may collect the same in a suit at law or by foreclosure of this Mortgage by action or advertisement or by the exercise of any other remedy available at law or equity.

10. **Waiver.** Lender may waive any default without waiving any other subsequent or prior default by Mortgagor.

11. **Power of Sale.** In the event of foreclosure, Lender may sell the Property at public sale and execute and deliver to the purchasers deeds of conveyance pursuant to statute.

12. **Receiver.** Upon the commencement or during the pendency of an action to foreclose this Mortgage, or enforce any other remedies of Lender under it, without regard to the adequacy or inadequacy of the Property as security for the Note, the court may appoint a receiver of the Property (including homestead interest) without bond, and may empower the receiver to take possession of the Property and collect the rents, issues and profits of the Property and exercise such other powers as the court may grant until the confirmation of sale, and may order the rents, issues and profits, when so collected, to be held and applied as the court may direct.

13. **Foreclosure Without Delinquency Judgment.** If the Property is a one to four family residence that is owner-occupied at the commencement of a foreclosure, a farm, a church or owned by a tax exempt charitable organization, Mortgagor agrees to the provisions of sec. 846.101, Wis. Stats., and as the same may be amended or renumbered from time to time, permitting Lender, upon waiving its right to judgment for delinquency, to hold the foreclosure sale of real estate of 20 acres or less six months after a foreclosure judgment is entered. If the Property is other than a one to four family residence that is owner-occupied at the commencement of a foreclosure, a farm, a church or a tax exempt charitable organization, Mortgagor agrees to the provisions of sec. 846.103, Wis. Stats., and as the same may be amended or renumbered from time to time, permitting Lender, upon waiving the right to judgment for delinquency, to hold the foreclosure sale of real estate three months after a foreclosure judgment is entered.

14. **Expenses.** To the extent not prohibited by law, Mortgagor shall pay all reasonable costs and expenses, including without limitation, attorneys' fees and expenses of obtaining title evidence, incurred by Lender in foreclosing this Mortgage.

15. **Severability.** Invalidity or unenforceability of any provision of this Mortgage shall not affect the validity or enforceability of any other provision.

16. **Successors and Assigns.** The obligations of all Mortgagors are joint and several. This Mortgage benefits Lender, its successors and assigns, and binds Mortgagor(s) and their respective heirs, personal representatives, successors and assigns.

EXHIBIT "A"

State of Wisconsin: All that part of Fractional Lots Three (3) and Four (4) of Section Eighteen (18), Township Twenty (20) North, Range Eighteen (18) East, Town of Harrison, Calumet County, Wisconsin described as follows:

Beginning at a point on the North right-of-way line of the Chicago, Milwaukee and St. Paul Railroad that is One Thousand Three Hundred Twenty and Five Tenths Feet (1,320.5') East of the West line of Fractional Lot Four (4) said West line being the West line of Section Eighteen (18); thence North Two Hundred Thirty Feet (230') parallel with the West line of Fractional Lot Four (4); thence Easterly parallel with the North right-of-way line of said railroad One Thousand Two Hundred Forty-seven and Five Tenths Feet (1,247.5'); thence South Two Hundred Thirty Feet (230'); thence Westerly along the railroad right-of-way line One Thousand Two Hundred Forty seven and Five Tenths Feet (1,247.5') to the point of beginning. Also the right-of-ingress and egress over a portion of land described as follows:

Beginning at a point on the North Right-of-way line of the Chicago, Milwaukee & St. Paul Railroad that is One Thousand Three Hundred Twenty and Five Tenths Feet (1,320.5') East of the West line of Fractional Lot Four (4); thence Westerly Four Hundred Seventy and Five Tenths Feet (470.5') along the North line of said railroad; thence North Forty Feet (40'); thence Easterly parallel with the North line of said Railroad Four Hundred Seventy and Five Tenths Feet (470.5'); thence South Forty Feet (40') to the point of beginning.

DOCUMENT PHOTOGRAPHED IN ACCORDANCE WITH STANDARDS ESTABLISHED BY 89-3-30 (3) (b) THIS 25 DAY OF Oct 1989 CALUMET COUNTY MICROFILM DEPARTMENT

DOCUMENT NO.

203544

WARRANTY DEED STATE OF WISCONSIN - FORM 5

THIS SPACE RESERVED FOR RECORDING DATA

REGISTERS OFFICE CALUMET COUNTY WI

Received for Record 25
Day of Oct. 1989
10:55 a.m. M. and Recorded in
Book 1388 Page 24-27

Donald Schommer
Regist.

Od. 10.00

RETURN TO: VAN ROOF, VAN ROOF & CORNETT
209 East Main Avenue
P.O. Box 27
Little Chute, WI 54140-0027

This indenture, Made this 20th day of October
A. D. 1989 between BANK OF LITTLE CHUTE
a Corporation duly organized and existing under and by
virtue of the laws of the State of Wisconsin, located at Little Chute
Wisconsin, party of the first part, and John E. Schmaiz and H. J.
Jenner, Inc., as tenants in common,
part. of the second part.

Witnesseth, That the said party of the first part, for and in consideration of the sum
of \$1.00 and other good and valuable consideration
to it paid by the said part. ies of the second part, the receipt whereof is hereby confessed and
acknowledged, has given, granted, bargained, sold, remised, released, aliened, conveyed and con-
firmed, and by these presents does give, grant, bargain, sell, remise, alien, convey, and confirm unto
the said part. ies of the second part, their heirs and assigns forever, the following described real estate, situated in
the County of Calumet, State of Wisconsin, to-wit:

SEE RIDER ATTACHED

TRANSFER

\$ 225.00
FEE

(IF NECESSARY, CONTINUE DESCRIPTION ON REVERSE SIDE)

Together with all and singular the hereditaments and appurtenances thereto belonging or in any wise appertaining; and all the
estate, right, title, interest, claim or demand whatsoever, of the said party of the first part, either in law or equity, either in possession or
expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

To have and to hold the said premises as above described with the hereditaments and appurtenances, unto the said part. ies
of the second part, and to their heirs and assigns FOREVER.

And the said Bank of Little Chute

party of the first part, for itself and its successors, does covenant, grant, bargain and agree to and with the said part. ies
of the second part, their heirs and assigns, that at the time of the enclosing and delivery of these presents it is well
relied of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple,
and that the same are free and clear from all encumbrances whatever, except EPA Access Agreement and
easements and restrictions of record

Buyers acknowledge that a portion of the subject property has been determined hazardous
to human health or welfare or the environment by the United States Environmental
Protection Agency.

and that the above bargained premises in the quiet and peaceable possession of the said part. ies of the second part, their
heirs, and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, it will forever WARRANT and
DEFEND.

In Witness Whereof, the said Bank of Little Chute
party of the first part, has caused these presents to be signed by T. F. DeBruin
its President, and countersigned by Gerald DeBruin, its Vice President
at Little Chute, Wisconsin, and its corporate seal to be hereunto affixed, this
20th day of October, 1989.

SIGNED AND SEALED IN PRESENCE OF

BANK OF LITTLE CHUTE
Corporate Name
A. N. Bauer
President

T. F. DeBruin

CONTERSIGNED BY
Gerald De Bruin
Vice President

STATE OF WISCONSIN
OUTAGAMIE County.

Personally came before me, this 20th day of October, A. D. 1989
T. F. DeBruin, President, and Gerald DeBruin, Secretary
of the above named Corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be such
President and Secretary of said Corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of
said Corporation, by its authority.

THIS INSTRUMENT WAS DRAFTED BY
Paul N. Cornett, Attorney

NOTARY
GRAL

Notary Public, State of Wisconsin
My commission expires September 30, 1991

(Section 29.21 (1) of the Wisconsin Statutes provides that all instruments to be recorded shall, before being printed or typewritten thereon
the names of the grantor, grantee, witness and party. Section 29.31 similarly requires that the name of the person who, or govern-
mental agency which, drafted such instrument, shall be printed, typewritten, stamped or written thereon in a legible manner.)

WARRANTY DEED - By Corporation

STATE OF WISCONSIN
FORM No. 5

Wisconsin Legal Blank Co. Inc.
Milwaukee, Wis.

A parcel of land in that part of the West 60.0 acres of the North 1/2 of the Northwest 1/4, lying South of the South line of the Public Highway, in Section 18, T20N, R18E, Town of Harrison, Calumet County, Wisconsin, more particularly described as follows:
Beginning at a point in the South line of the Public Highway, such point being 530.0 feet Easterly of the intersection of said South line with the West line of said West 60.0 acres; thence South on a line that is parallel to the West line of said West 60.0 acres, 262.5 feet more or less to the South line of the said N $\frac{1}{2}$ of the said NW $\frac{1}{4}$; thence East on said South line a distance of 300.0 feet; thence North on a line that is parallel to the Westerly line of the parcel as herein described, a distance of 275.00 feet, more or less, to the South line of the Public Highway, thence Westerly on the South line of the Public Highway, a distance of 300.00 feet to the place of beginning.

ALSO

A parcel of land in that part of the West 60.0 acres of the North 1/2 of the Northwest 1/4, lying South of the South line of the Public Highway, in Section 18, T20N, R18E, Town of Harrison, Calumet County, Wisconsin, more particularly described as follows:
Beginning at a point in the South line of the Public Highway, such point being 830.0 feet Easterly of the intersection of said South line with the West line of said West 60.0 acres; thence South on a line that is parallel to the West line of said West 60.0 acres, a distance of 275.00 feet more or less, to the South line of the said N $\frac{1}{2}$ of the said NW $\frac{1}{4}$; thence East on said South line a distance of 75 feet; thence North on a line that is parallel to the Westerly line of a parcel as herein described, a distance of 287.0 feet, more or less, to a point on the South line of the public highway, thence Westerly on the South line of the Public highway a distance of 75.00 feet to the place of beginning.

Excepting therefrom: All that part of the NW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 18, T20N, R18E, as described in Volume 79 of Deeds page 275, that is bounded on the North by the South line of USH 10 and STH 114 as it now exists and is bounded on the South by a line described as follows: Commencing at a point on the West line of said Section 18, a distance of 1063 feet S 0°48'W of the Northwest corner thereof; thence N89°11'E along the right of way reference line of USH 10 and STH 114, a distance of 400 feet to a perpendicular line hereinafter referred to as "Line A"; thence N89°11'E 674.7 feet; thence on a line of a 1°00' curve to the right, 558.3 feet to a radial line; thence Southerly along said radial line, 189 feet to the point of beginning; thence Westerly to a point on "Line A", 75 feet South of said reference line.

Said parcel contains 0.60 acres, more or less, exclusive of all lands previously acquired or now used for highway purposes.

All that part of Fractional Government Lots 3 and 4 of Section 18, T20N, R18E, Town of Harrison, Calumet County, Wisconsin, more fully described as follows:

The West 75 feet of the following described premises:

Beginning at a point on the North right of way line of the Chicago, Milwaukee and St. Paul Railroad that is 850 feet East of the West line of Fractional Lot 4, said West line being the West line of Section 18; thence North 180 feet parallel with the West line of Fractional Lot 4; thence Easterly parallel with the North right of way line of said railroad 20 feet; thence North 50 feet parallel with the West line of Fractional Lot 4, thence Easterly parallel with the North right of way line of said railroad 450.5 feet; thence South 230 feet parallel with the West line of Fractional Lot 4, thence Westerly along the railroad right of wayline 470.5 feet to the point of beginning, reserving the Southerly 40 feet thereof for roadway purposes.

A parcel of land in Lot 4, Section 18, T20N, R18E, Town of Harrison, Calumet County, Wisconsin, described as follows:

Beginning at the intersection of the North line of the Milwaukee and Northern Railroad Company right-of-way (now Chicago, Milwaukee and St. Paul Railway) and the East line of the County Line Road right-of-way and extending North 0°51' West 180.0 feet to a point; thence North 87°16' East 502.0 feet to a point of beginning; thence North 87°16' East 335.0 feet to a point; thence North 0°51' West 50.0 feet to a point; thence South 87°16' West 335.0 feet to a point; thence South 0°51' East 50.0 feet to the point of beginning.

DOCUMENT PHOTOGRAPHED IN ACCORDANCE WITH STANDARDS ESTABLISHED BY 889.30 (3) (b) THIS DAY OF OCT 1989 CALUMET COUNTY MICROFILM DEPARTMENT

A piece of land in Government Lot 4 of Section 18, T20N, R18E, Town of Harrison, Calumet County, Wisconsin, more fully described as follows: Commencing at a point where the North line of the right of way of the C.M. and St. P. R.R. intersects the East line of the County Line road, thence North 230 feet along the East line of said County Line road, thence East along the South line of lands now owned by parties of the first part, 497 feet being the place of beginning, thence North parallel with the East line of said County Line road, 50 feet, thence East along the North line of lands now owned by parties of the first part, 373 feet, thence South parallel with the East line of the County Line road, 50 feet, thence West along the South line of lands now owned by parties of the first part, 373 feet, to the place of beginning.

ALSO

A parcel of land in Government Lot 4 of Section 18, T20N, R18E, Town of Harrison, Calumet County, Wisconsin, described as follows: Commencing at the intersection of the East line of the County Line road, and the North line of the right of way of the C.M. and St. P. and P. R.R. right of way, thence North 280 feet along the East line of said County Line road, thence Easterly along the South boundary of lands now owned by parties of the first part, to a point which is 497 feet East of the East line of said County Line road, being the place of commencement, thence North parallel with the East line of the County Line road, 50 feet, thence East along the North line of lands now owned by parties of the first part, 373 feet, thence South parallel with the East line of the County Line road, 50 feet, thence West along the South line of lands now owned by parties of the first part, 373 feet, to the place of beginning.

ALSO

A parcel of land in Government Lot 4, of Section 18, T20N, R18E, Town of Harrison, Calumet County, Wisconsin, described as follows: Commencing at a point where the West line of said Section 18, intersects the Southerly line of State Trunk Highway #114 as now laid out, thence East along the Southerly line of said State Trunk Highway #114, a distance of 530 feet, thence South on a line that is parallel to the West line of Section 18, a distance of 233 feet, more or less, to the North line of said Government Lot 4, said point to be the point or place of beginning of the premises herein described; thence East a distance of 375 feet, thence South on a line that is parallel to the West line of said Section 18, to the Southerly line of Grantors land as described in a deed recorded in Volume 86 of Deeds on page 314, of Calumet County Records, thence in a Northwesterly direction along the Southerly line of Grantors land a distance of 35 feet, more or less, thence north 100 feet along the line of Grantors land as described in 86 Deeds 314; thence West along the line of Grantors land as referred to above, a distance of 340 feet; thence North parallel with the West line of Section 18, to the point of beginning.

ALSO

A parcel of land in Government Lots 3 and 4 in Section 18, T20N, R18E, Town of Harrison, Calumet County, Wisconsin, described as follows: Commencing at a point where the West line of Section 18 intersects the North right-of-way of the Chicago, Milwaukee and St. Paul Railroad; thence East along said right-of-way a distance of 2568 feet to the East line of said Government Lot 3; thence North along the East line of said Lot 3 a distance of 230 feet to a point which shall be the place of beginning, thence West a distance of 1663 feet, more or less, to the East line of the property conveyed by Grantors to Grantees by Warranty Deed recorded in Vol. 88 of Deeds on page 436; thence North on a line parallel to the West line of said Section 18 to the North line of said Government Lot 4; thence East along the North lines of Government Lots 4 and 3 to the Easterly line of said Government Lot 3; thence South along the East line of said Lot 3 to the place of beginning, less the East 250 feet of the described property, it being the intention of the Grantors, by this instrument, to convey all of the remaining land to which they hold title in said Government Lots 3 and 4.

DOCUMENT PHOTOGRAPHED IN ACCORDANCE WITH STANDARDS ESTABLISHED BY 889.30 (3) (b) THIS 25 DAY OF OCT 1989 CALUMET COUNTY MICROFILM DEPARTMENT

Also all existing, future or potential common law or statutory easements or rights of access between the right of way of the highway, currently designated as USH 10 and STH 114 and all of the abutting remaining real property of the owners, whether acquired by separate conveyance or otherwise, where the following described real estate abuts on the said highway: The NW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 18, T20N, R18E, as described in Volume 79 of Deeds, page 275.

Except the right of access to said highway from abutting lands on the South side of the highway by means of one access point pursuant to the provisions of Section 86.07(2), Wis. Stats.

Also limited highway easements for the right to construct and maintain drainage sections including for such purpose the right to operate necessary equipment thereon, the right of ingress and egress, as long as required for such public purpose, including the right to preserve, protect, remove or plant thereon any vegetation that the highway authorities may deem desirable to prevent erosion of the soil, in and to the following tracts of land in Calumet County, Wisconsin, described as: A strip of land 50 feet in width extending through said owners lands in Gov. Lot 3, Section 18, T20N, R18E, the West line of said strip being described as follows: Commencing at a point on the West line of said Section 18, a distance of 1063 feet South of the Northwest corner thereof; thence N89°11'E, 906.1 feet to a point hereinafter referred to a "Point B"; thence N89°11'E, 168.6 feet; thence on a line of a 1°00' curve to the right, 558.3 feet; thence S85°4'E, 345.67 feet to the point of beginning; thence S1°43'W, to the South line of said owners lands.

Also a strip of land 50 feet in width extending through said owners lands in Gov. Lot 4, Section 18, T20N, R18E, the West line of said strip being described as follows: Beginning at "Point B"; thence S1°06'W, 337.5 feet; thence S2°26'E, 414.9 feet.

J 4765 1 67

294684

STATE BAR OF WISCONSIN FORM 2 - 1982
WARRANTY DEED

DOCUMENT NO.

John E. Schmalz and H. J. Jennerjohn, Inc., a
Wisconsin Corporation.

conveys and warrants to Theodore Pawlowski, William Rajarski
and Lawrence O. Lowe, joint tenants, with right of
survivorship,

TRANSFER

the following described real estate in Calumet FEE County,
State of Wisconsin:

Lot Two (2) of Certified Survey Map No. 2135 recorded
in the office of the Register of Deeds for Calumet
County, Wisconsin on September 30, 1998 in Volume
15 of Survey Maps on page 220, as Document No.
283184. Said lot being part of Government Lots
3 and 4 of Section 18, Township 20 North, Range 18 East, Town of Harrison, Calumet
County, Wisconsin.

This deed is given subject to easements of record, including but not limited to the
ingress and egress easement granted to Grant and Laurie Fulcer in Jacket 4595, Image
61, as Document No. 289812.

Buyers have further agreed to and are purchasing this property subject to a portion of
the property having been determined hazardous to human health or welfare or to the
environment. Buyers understand that the United States Environmental Protection Agency,
the United States Army Corp of Engineers and the State of Wisconsin Department of
Natural Resources have continued jurisdiction over that portion of the property and
have been granted legal entry and access to the property by virtue of a consent
signed by Sellers on February 7, 1992. Sellers make no warranties or representations
regarding the environmental condition of the property or the status of the on going
cleanup. In that regard, Buyers are accepting the property "AS IS".

This is not historical property.

Exception to warranties: any easements or restrictions of record, including the reservations
set forth above.

**010-0000-0000000-000-0-201818-05-040R (Loc. ID 06297)

010-0000-0000000-000-0-201818-05-040U (Loc. ID 06300)

010-0000-0000000-000-0-201818-05-03AE (Loc. ID 06331)

Dated this 29th day of June, 1999 A.D., 1999

John E. Schmalz (SEAL)
John E. Schmalz

H. J. JENNERJOHN, INC.
By: Herman J. Jennerjohn (SEAL)
Herman J. Jennerjohn, President

AUTHENTICATION

Signature(s) _____
authenticated this _____ day of _____, 19____

TITLE MEMBER STATE BAR OF WISCONSIN
(If n.l.,
Authorized by §706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY
Attorney Robert E. Sorancon
Hortonville, Wisconsin

(Signatures may be authenticated or acknowledged. Both are not
necessary)

ACKNOWLEDGMENT

State of Wisconsin,
Calumet County }
Personally came before me this 29th day of
June, 1999, the above named
John E. Schmalz and Herman J.
Jennerjohn

to me known to be the person who executed the foregoing
instrument and acknowledge the same.

Barry Jennerjohn
Barry Jennerjohn

Notary Public, Cutawaga County, Wis.
My commission is permanent. (If not, state expiration date:
Jan. 6, 2002)

REGISTERS OFFICE
CALUMET COUNTY, WI

Received for Record 23
day of July A.D. 1999
11:32 a.m. and recorded in
Jacket 4765 Image 67

Allen [Signature]
Register

2840

3300

THIS SPACE RESERVED FOR RECORDING DATA
NAME AND RETURN ADDRESS

H. J. Jennerjohn
P.O. Box 274
Hortonville, WI 54944

See ** below.

PARCEL IDENTIFICATION NUMBER

I CERTIFY THAT THIS DOCUMENT WAS MICROFILMED ACCORDING TO WI STATUTE 16.61(7). TAMI ALLEN, CALUMET COUNTY MICROFILM OPERATOR.

* Copies of powers of attorney in any capacity shall be typed or printed in blue-ink signatures

I CERTIFY THAT THIS DOCUMENT WAS MICROFILMED ACCORDING TO WI STATUTE 16.61(7). TAMI ALLEN, CALUMET COUNTY MICROFILM OPERATOR.

II. Grantee

Bojarski, William

Social Security No: 393-58-0129

331 7th Street, Neenah, WI 54956

III. 16. LEGAL DESCRIPTION

Lot 2 of Certified Survey Map No. 2135 recorded in the office of the Register of Deeds for Calumet County, Wisconsin on September 30, 1998 in Volume 15 of Survey Maps on page 220, as Document No. 283184. Said lot being part of Government Lots 3 and 4 of Section 18, Township 20 North, Range 18 East, Town of Harrison, Calumet County, Wisconsin.

Excepting the portion of the property described as follows:

A parcel of land being part of Government Lot 4 and part of the Northwest 1/4 of the Northwest 1/4 of Section 18, Township 20 North, Range 18 East, Town of Harrison, Calumet County, Wisconsin, bounded and described as follows: Commencing at the Northwest Corner of said Section 18; thence S00°-23'-22"E, 1320.25 feet along the West Line of the Northwest 1/4 of Section 18 to the North line of Government Lot 4; thence S86°-42'-32"E, 530.00 feet along said North Line; thence N00°-23'-22"W, 209.85 feet to the South right-of-way line of U.S.H. "10" and U.S.H. "114"; thence S85°-58'-20"E, 375.34 feet along said South right-of-way line; thence S00°-23'-22"E, 205.01 feet to the North Line of Government Lot 4 and to the point of beginning; thence S05°-47'-49"E, 183.15 feet to the West line of lands described in Jacket 3600, Image 17; thence S00°-23'-22"E, 230.06 feet along the West line of lands described in Jacket 3600, Image 17 to the North right-of-way line of the Wisconsin Central Limited Railroad; thence N87°-11'-53"W, 75.00 feet along said North Line to the East Line of lands described in Jacket 1910, Image 33; thence N00°-23'-22"W, 250.00 feet along said East line and its extension Northerly; thence N18°-36'-13"E, 167.29 feet to the point of beginning.

LEGIBILITY IMPAIRED

J 5174 I 16

107 X 107

STATE BAR OF WISCONSIN FORM 3 - 1998
QUIT CLAIM DEED

Document Number

This Deed, made between Lawrence O. Lowe

Grantor, and William Bojarski and Theodore Pawlowski

Grantee. Grantor, quit claims to Grantee the following described real estate in
Calumet County, State of Wisconsin:

See Attached

305741
State of Wisconsin Calumet Co.
Received and Filed
At A.M. 11:20 P.M.
JUL 26 1998
Ellen Propson
Register of Deeds

J 5174 I 15

Recording Area
Name and Return Address
Attorney Gordon E. Stillings
P.O. Box 98
Neenah, WI. 54956

Parcel Identification Number (PIN)
This is homestead property.
(if) (is not)

Tax Key Nos. 010-0000-000-0-201818-05-040R; 010-0000-0000000-000-0-201818-05-010U;
010-0000-0000000-000-0-201818-05-03AE

TRANSFER
4.50
FEE

Together with all appurtenant rights, title and interests.

Dated this 22 day of June, 2000

Lawrence O. Lowe
Lawrence O. Lowe

AUTHENTICATION

Signature(s) Lawrence O. Lowe
witnessed this 22 day of June, 2000

Gordon E. Stillings
TITLE CLERK, STATE BAR OF WISCONSIN
authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAUGHTED BY
Attorney Gordon E. Stillings

(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

STATE OF WISCONSIN)
County)
Personally came before me this day of
the above named

to me known to be the person(s) who executed the foregoing
instrument and acknowledge the same

Notary Public, State of Wisconsin
My Commission is permanent (if not, state expiration date.

I CERTIFY THAT THIS DOCUMENT WAS MICROFILMED ACCORDING TO WI STATUTE 16.61(7). TAMI ALLEN, CALUMET COUNTY MICROFILM OPERATOR.

CERTIFIED SURVEY MAP NO. 2135

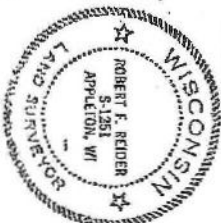
BEING PART OF GOVERNMENT LOTS 3 AND 4 AND PART OF THE NORTHWEST 1/4 OF SECTION 16, TOWNSHIP 20 NORTH, RANGE 18 EAST, SECTION 16-20-18

NORTHWEST CORNER OF SECTION 16-20-18

NORTH IS REFERENCED TO THE WEST LINE OF THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 20 NORTH, RANGE 18 EAST, TOWN OF HARRISON, CALUMET COUNTY, WISCONSIN, WHICH IS ASSUMED TO BEAR $300^{\circ}-23'-22''$ E. WEST LINE OF THE NORTHWEST 1/4 OF SECTION 18

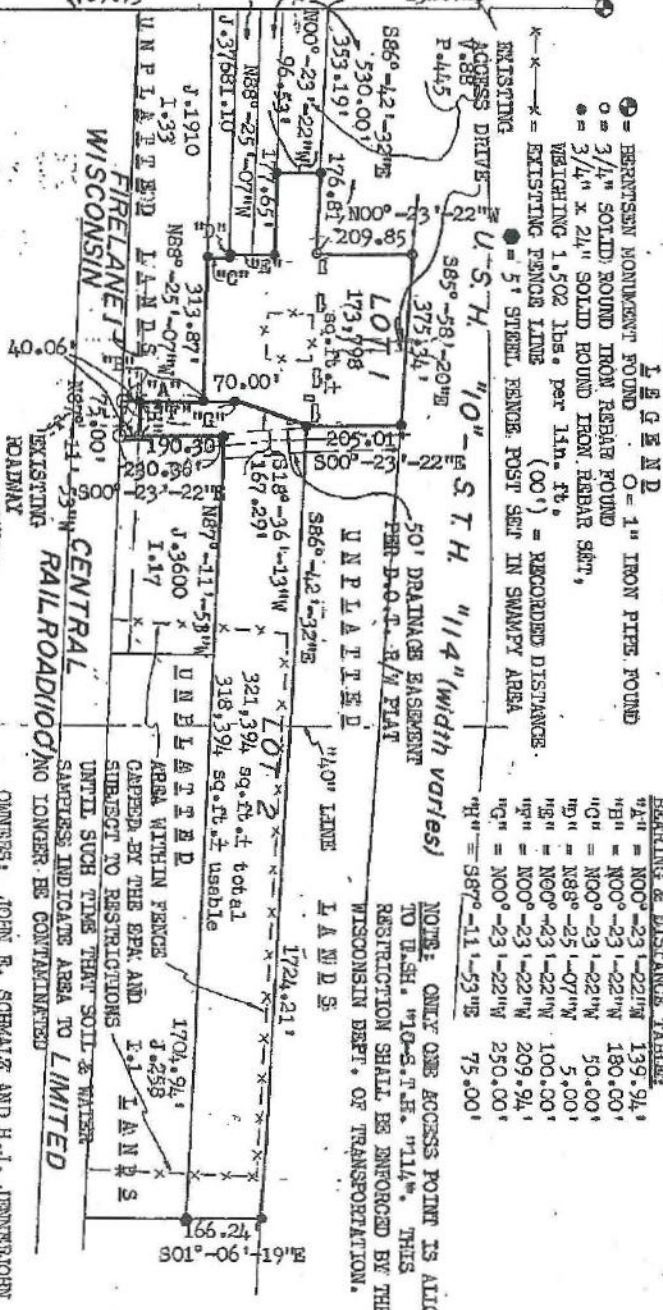
MEANDER CORNER WEST 1/4 CORNER SECTION 16-20-18

Robert F. Reider
 8-26-98
 ROBERT F. REIDER, RLS-1251 DATED CARON LAND SURVEYING CO., INC. P.O. BOX 1297, 1837 W. WI. AVE. APPLETON, WISCONSIN 54912-1297 A986.6 kv tm EFR 8-25-98



SHEET 1 OF 3 SHEETS

- ⊙ = BERTINSEN MONUMENT FOUND
- = 3/4" SOLID ROUND IRON REBAR FOUND
- = 3/4" x 2 1/2" SOLID ROUND IRON REBAR SET, WEIGHING 1.502 lbs. per 14in. ft.
- ⊖ = 5" STEEL FENCE POST SET IN SWAMPY AREA
- ⊕ = 1" IRON PIPE FOUND
- (OO) = RECORDED DISTANCE
- ⊗ = EXISTING FENCE LINE
- ⊘ = EXISTING FENCE POST SET IN SWAMPY AREA

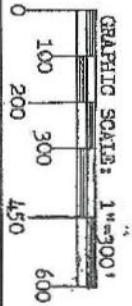


BEARING & DISTANCE TABLE

N $00^{\circ}-23'-22''$ W	139.94'
N $00^{\circ}-23'-22''$ W	180.00'
N $00^{\circ}-23'-22''$ W	50.00'
N $00^{\circ}-23'-22''$ W	5.00'
N $00^{\circ}-23'-22''$ W	100.00'
N $00^{\circ}-23'-22''$ W	209.94'
N $00^{\circ}-23'-22''$ W	250.00'
N $00^{\circ}-23'-22''$ W	75.00'

NOTE: ONLY ONE ACCESS POINT IS ALLOWED TO U.S.H. "10-S.T.H." "114". THIS RESTRICTION SHALL BE ENFORCED BY THE WISCONSIN DEPT. OF TRANSPORTATION.

OWNERS: JOHN E. SCHWALZ AND H.J. JENNENJOHN



CERTIFIED SURVEY MAP NO. 2135

SURVEYOR'S CERTIFICATE:

I, ROBERT F. REIDER, REGISTERED WISCONSIN LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED, DIVIDED AND MAPPED PART OF GOVERNMENT LOTS 3 AND 4 AND PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 20 NORTH, RANGE 18 EAST, TOWN OF HARRISON, CALUMET COUNTY, WISCONSIN, BOUNDED AND DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 18; THENCE S00-23-22E, 1320.25 FEET ALONG THE WEST LINE OF THE NORTHWEST 1/4 OF SECTION 18 TO THE NORTH LINE OF GOVERNMENT LOT 1; THENCE S86-42-32E, 353.19 FEET ALONG SAID NORTH LINE TO THE POINT OF BEGINNING; THENCE CONTINUING S86-42-32E, 176.81 FEET ALONG SAID NORTH LINE; THENCE N00-23-22W, 209.85 FEET TO THE SOUTH RIGHT-OF-WAY LINE OF U.S.H. "10" AND U.S.H. "114"; THENCE S85-58-20E, 375.34 FEET ALONG SAID SOUTH RIGHT-OF-WAY LINE; THENCE S00-23-22E, 205.01 FEET TO THE NORTH LINE OF GOVERNMENT LOT 4; THENCE S86-42-32E, 1724.21 FEET ALONG SAID NORTH LINE AND THE NORTH LINE OF GOVERNMENT LOT 3; THENCE S01-06-19E, 166.24 FEET TO THE NORTH LINE OF LANDS DESCRIBED IN JACKET 258, IMAGE 1; THENCE N87-11-53W, 1704.94 FEET ALONG SAID NORTH LINE AND THE NORTH LINE OF LANDS DESCRIBED IN JACKET 3600, IMAGE 17 TO THE WEST LINE OF SAID DESCRIBED LANDS; THENCE S00-23-22E, 230.06 FEET ALONG THE WEST LINE OF LANDS DESCRIBED IN JACKET 3600, IMAGE 17 TO THE NORTH RIGHT-OF-WAY LINE OF THE WISCONSIN CENTRAL LIMITED RAILROAD; THENCE N87-11-53W, 75.00 FEET ALONG SAID NORTH LINE TO THE EAST LINE OF LANDS DESCRIBED IN JACKET 1910, IMAGE 33; THENCE N00-23-22W, 180.00 FEET ALONG SAID EAST LINE TO THE NORTH LINE OF SAID DESCRIBED LANDS; THENCE N88-25-07W, 313.87 FEET ALONG SAID NORTH LINE TO THE EAST LINE OF LANDS DESCRIBED IN JACKET 3768, IMAGE 10; THENCE N00-23-22W, 50.00 FEET ALONG SAID EAST LINE AS EVIDENCED TO THE NORTH LINE OF SAID DESCRIBED LANDS; THENCE N88-25-07W, 5.00 FEET ALONG SAID NORTH LINE TO THE EAST LINE OF LANDS DESCRIBED IN JACKET 1954, IMAGE 43 AS EVIDENCED; THENCE N00-23-22W, 100.00 FEET ALONG SAID EAST LINE AND THE EAST LINE OF LANDS DESCRIBED IN VOLUME 177, PAGE 710 AS EVIDENCED TO THE NORTH LINE OF LANDS DESCRIBED IN VOLUME 177, PAGE 710 AS EVIDENCED; THENCE N88-25-07W, 177.65 FEET ALONG SAID NORTH LINE TO THE EAST LINE OF LANDS DESCRIBED IN VOLUME 88, PAGE 445; THENCE N00-23-22W, 96.53 FEET ALONG SAID EAST LINE TO THE POINT OF BEGINNING. SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.

THAT I HAVE MADE SUCH SURVEY UNDER THE DIRECTION OF H.J. JENNERJOHN, P.O. BOX 274, HORTONVILLE, WISCONSIN 54944.

THAT THIS MAP IS A CORRECT REPRESENTATION OF THE EXTERIOR BOUNDARY LINES OF THE LANDS SURVEYED.

THAT I HAVE FULLY COMPLIED WITH THE PROVISIONS OF CHAPTER 236.34 OF THE WISCONSIN STATUTES AND THE SUBDIVISION ORDINANCES OF CALUMET COUNTY.



Robert F. Reider 8-28-98
ROBERT F. REIDER, RLS-1251 DATED
CAROW LAND SURVEYING CO., INC.
1837 W. WISCONSIN AVE., P.O. BOX 1297
APPLETON, WISCONSIN 54912-1297
4988.6 kv tm RFR 8-26-98

COUNTY TREASURER CERTIFICATE:

I HEREBY CERTIFY THAT THERE ARE NO UNPAID TAXES OR UNPAID SPECIAL ASSESSMENTS ON ANY OF THE LANDS INCLUDED IN THIS MINOR SUBDIVISION AS OF THIS 15th DAY OF September, 1998.

John A. Wirtz
TREASURER, CALUMET COUNTY

TOWN TREASURER CERTIFICATE:

I HEREBY CERTIFY THAT THERE ARE NO UNPAID TAXES OR UNPAID SPECIAL ASSESSMENTS ON ANY OF THE LANDS INCLUDED IN THIS MINOR SUBDIVISION AS OF THIS 9 DAY OF September, 1998.

John A. Wirtz
TREASURER, TOWN OF HARRISON

I CERTIFY THAT THIS DOCUMENT WAS MICROFILMED ACCORDING TO WI STATUTE 16.61(7), TAMI ALLEN, CALUMET COUNTY MICROFILM OPERATOR.

CERTIFIED SURVEY MAP NO. 2135

PLANNING COMMITTEE CERTIFICATE:

PURSUANT TO THE LAND SUBDIVISION REGULATIONS OF THE COUNTY OF CALUMET, WISCONSIN, ALL THE REQUIREMENTS FOR APPROVAL HAVE BEEN FULFILLED. THIS MINOR SUBDIVISION WAS APPROVED BY THE CALUMET COUNTY PLANNING AND ZONING COMMITTEE ON THE 30th DAY OF September, 1998.

James M. Givens
CHAIRPERSON, PLANNING AND ZONING COMMITTEE

Deborah Klossig
DIRECTOR, CALUMET COUNTY PLANNING DEPARTMENT

OWNER'S CERTIFICATE:

JOHN E. SCHMALZ AND H.J. JENNERJOHN, AS OWNERS, HEREBY CERTIFIES THAT THEY CAUSED THE LAND DESCRIBED ON THIS CERTIFIED SURVEY MAP TO BE SURVEYED, DIVIDED AND MAPPED AS REPRESENTED HEREON. THEY ALSO CERTIFY THAT THIS MAP IS REQUIRED BY SECTIONS 236.10 OR 236.12 OF THE WISCONSIN STATUTES TO BE SUBMITTED TO THE FOLLOWING FOR APPROVAL: COUNTY OF CALUMET AND TOWN OF HARRISON.

WITNESS THE HAND AND SEAL OF SAID OWNER(S) THIS 14th DAY OF September, 1998.

John E. Schmalz
JOHN E. SCHMALZ

H.J. Jennerjohn
H.J. JENNERJOHN

STATE OF WISCONSIN)
)SS
COUNTY OF CALUMET)

PERSONALLY CAME BEFORE ME THIS 14th DAY OF September, 1998, THE ABOVE NAMED PERSON(S) TO ME KNOWN TO BE THE PERSON(S) WHO EXECUTED THE FOREGOING INSTRUMENT AND ACKNOWLEDGED THE SAME.

Barry Jennerjohn
NOTARY PUBLIC

MY COMMISSION EXPIRES January 16th, 2002



Robert F. Reid 8-26-98
ROBERT F. REIDER, RLS-1251 DATED
CAROL LAND SURVEYING CO., INC.
P.O. BOX 1297, 1837 W. WISCONSIN AVE.
APPLETON, WISCONSIN 54912-1297
A9RR.6 kv tm RFR R-26-98

SHEET 3 OF 3 SHEETS

I CERTIFY THAT THIS DOCUMENT WAS MICROFILMED ACCORDING TO WI STATUTE 16.61(7). TAMI ALLEN, CALUMET COUNTY MICROFILM OPERATOR.

253184

Certified Survey Map # 2135

REGISTERS OFFICE
GALUMET COUNTY WI

Received by Record 30
by Sup on 10-19-98
3:30 PM
MaxVol 15 Max Page 220
Survey Map
Donna Schommer
Register

Crigh 4.

T.

I CERTIFY THAT THIS DOCUMENT WAS MICROFILMED ACCORDING TO WI STATUTE 16.61(7). TAMI ALLEN, GALUMET COUNTY MICROFILM OPERATOR.

25X

32X

APPENDIX E – GROUNDWATER MONITORING DATA

Schmalz Dump



- County Boundary
- Railroad
- Routes and Highways
- US Hwy
- State Hwy
- County Hwy
- Roads
- Alley
- Private
- Ramp
- Lakes
- Buildings
- Parcels
- Unincorporated Community
- 2006 Color Aerial
- Municipalities
- city
- township
- village
- Parcel Location Ids

DISCLAIMER: This map is neither a legally recorded map nor a survey and is not intended to be used as one. This map is a compilation of records, information and data located in various city, county, state and federal offices and other sources regarding the area shown, and is to be used for reference purposes only.

SOURCES: Calumet County, Pleasant LLC, September 2006 for County Data, Aerial Imagery as specified

TABLE 1

PARAMETER	UNITS	Aug-93	Nov-93	Feb-94	Jun-94	04/21/1998	07/21/1998	11/02/1998	11/02/1998	08/09/2003	10/12/2004	07/30/2008	11/18/2009	11/02/2010	11/22/2011	11/20/2012	10/31/2017	Chart	NR 140 PAL	NR 140 ES
Metals, dissolved						Duplicates														
Arsenic	ug/l	< 3.0	< 100	< 100	< 100	< 100	< 0.6	< 0.8	< 0.8		< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		5	50
Barium	ug/l	280	240	220	230	300	110	240	250	244	220	233	259	241	244	252	123		400	2000
Cadmium	ug/l	< 10	< 10	< 10	< 10	< 10	< 0.02	0.08	0.05	< 0.05	0.05	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0		0.5	5
Chromium	ug/l	2	< 10	< 10	< 10	10	1.7	2	3	< 1.0	1.9	2	4	2	2	2	< 3.0		10	100
Lead	ug/l	< 50	< 50	< 50	< 50	< 50	< 0.4	< 0.8	< 0.8	< 0.8	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3		1.5	15
Mercury	ug/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	NA	NA	NA	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03		0.2	2
Selenium	ug/l	< 3	< 100	< 100	< 100	< 100	< 1	< 1	< 1	< 1	< 1.0	< 10.0	< 10	< 10	< 10	< 10.0	< 10		10	50
Silver	ug/l	< 10	< 10	< 10	< 10	< 10	0.28	< 0.2	< 0.2	< 0.1	< 0.1	< 2.0	< 2.0	< 2.0	< 2.0	2.78		10	50	
Common Anions																				
Fluoride	mg/l	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
Chloride	mg/l	13	12	12	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		125	250
Nitrate as N	mg/l	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.2	1
Bromide	mg/l	< 0.11	0.11	0.14	0.13	0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
Nitrate as N	mg/l	< 0.028	< 0.025	< 0.025	0.043	0.043	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		2	10
Sulfate	mg/l	210	170	180	170	170	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		125	250
PCBs																				
PCB 1016	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1221	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1232	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1242	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1248	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1254	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1260	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
Pesticides																				
Miscellaneous	ug/l	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		*	*
TOX	ug/l	29.6	50	390	113.2	22.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
TCC	mg/l	35.8	53.4	59	156	105	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
TSS	mg/l	27	23	10	110	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
Phenol	mg/l	< 0.020	< 0.020	< 0.020	0.0338	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		1.2	6

Note:
The shaded portion of the table was re-created from hard copy using
optical character recognition (OCR).
The OCR output was manually reformatted and checked
Mike Steivater 5-August-2008

L-E-NF=Low Flow Sampling Technique and Not Filtered
L-F=Low Flow Sampling Technique and Filtered
* Matrix Spike QC Exceeded
- Not available
NA =Not Analyzed
ND =Not Detected
PQL =Practical Quantitation Limit
NS = No Standard
Bold Italic Type =NR 140 PAL Exceedance
Bold Italic Type =NR 140 ES Exceedance
* =See NR 140 for Pesticide Standards

Analytical Results for MW-3
Schmirz Dump Superfund Site

TABLE 1 (continued)

PARAMETER	UNITS	Aug-93	Duplicate	Nov-93	Feb-94	Jun-94	04/21/1998	07/21/1998	11/02/1998	11/02/1998	09/09/2003	10/12/2004	07/30/2008	11/18/2009	11/02/2010	11/22/2011	11/20/2012	10/31/2017	Chart	NR 140 PAL	NR 140 ES
Metallic, dissolved	ug/l	< 3.0	< 3.0	< 100	< 100	< 100	< 0.6	< 0.8	< 0.8	< 0.8	-	< 1.0	< 5.0	6	< 5.0	< 5.0	< 5.0	< 5.0		NR 140 PAL	NR 140 ES
Arsenic	ug/l	240	250	250	250	210	230	240	220	220	241	270	242	287	270	253	267	240		5	50
Barium	ug/l	< 10	< 10	< 10	< 10	< 10	0.1	0.14	0.15	0.16	1.62	0.91	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0		400	2000
Cadmium	ug/l	< 10	< 10	< 10	< 10	< 10	2.3	5	2	1	2	2.7	2	3	1	2	3	2.63		0.5	5
Chromium	ug/l	< 50	< 50	< 50	< 50	< 50	< 0.4	< 0.8	< 0.8	< 0.8	< 1.0	< 1.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	2.63		10	100
Lead	ug/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	NA	NA	NA	NA	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03		1.5	15
Mercury	ug/l	< 43	< 43	< 100	< 100	< 100	3	< 1	< 1	< 1	< 0.03	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		0.2	2
Selenium	ug/l	< 10	< 10	< 10	< 10	< 10	< 0.4	< 0.2	< 0.2	< 0.2	0.1	< 0.1	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.21		10	50
Silver	ug/l	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
Fluoride	mg/l	22	22	23	22	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		125	250
Chloride	mg/l	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.2	1
Nitrite as N	mg/l	< 0.11	< 0.11	0.075	0.075	0.044	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
Bromide	mg/l	0.3	0.27	0.075	0.056	0.044	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		2	10
Nitrate as N	mg/l	230	220	230	220	240	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		125	250
Sulfate	mg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCBs	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1016	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1221	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1232	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1242	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1248	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1254	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1260	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
Miscellaneous	ug/l	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		*	*
TOX	ug/l	15.9	18.3	58	350	23.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
TOC	mg/l	27.8	78	45.6	38	24.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
TSS	mg/l	30	32	140	170	68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
Phenol	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	0.0129	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		1.2	6

Note:
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optical character recognition (OCR).
The OCR output was manually reformatted and checked
Mike Stieglitz-5-August-2008

LF-NE=Low Flow Sampling Technique and Not Filtered
LF-F=Low Flow Sampling Technique and Filtered
* Matrix Spike QC Exceeded
- Not wait. at print
NA =Not Analyzed
ND =Not Detected- PQL
PQL =Practical Quantitation Limit
NS = No Standard
Bold Type =NR 140 PAL Exceedance
Bold Italic Type =NR 140 ES Exceedance
* =See NR 140 for Pesticide Standards

Analytical Results for MW-4
Schmaltz Dump Superfund Site

TABLE 1 (continued)

PARAMETER	UNITS	Aug-93	Nov-93	Feb-94	Duplicate	Jun-94	04/21/1998	07/21/1998	11/02/1998	L5-F	08/09/2002	10/12/2004	07/30/2008	11/18/2009	11/02/2010	11/22/2011	11/20/2012	10/21/2017	Chart	NR 140 PAL	NR 140 ES	
Methicillin	ug/l	< 3.0	< 100	< 100	< 100	< 100	0.7	< 0.8	2	1.7	-	< 1.0	< 8.0	< 8.0	< 8.0	9	< 8.0	NA	NA	5	5.0	
Asbestos	ug/l	200	180	320	280	220	220	240	310	310	317	346	292	356	346	347	352	NA	NA	400	2000	
Barium	ug/l	< 10	< 10	< 10	< 10	< 10	0.02	0.05	0.09	< 0.04	0.28	< 0.05	< 0.5	< 0.5	< 0.5	37	< 0.5	NA	NA	10	100	
Cadmium	ug/l	18	< 10	19	23	15	29	31	33	30	35	13.5	28	35	31	37	33	NA	NA	1.5	15	
Lead	ug/l	< 50	< 50	< 50	< 50	< 50	< 0.4	< 0.8	< 0.8	< 0.8	< 1.0	< 1.0	< 3.0	< 3.0	< 3.0	3	< 0.03	NA	NA	0.2	2	
Mercury	ug/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	NA	NA	NA	NA	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	NA	NA	10	50	
Selenium	ug/l	< 3	< 100	< 100	< 100	< 100	1	< 1	< 1	< 1	-	< 1.0	< 10	< 10	< 10	< 10	< 10.0	NA	NA	10	50	
Silver	ug/l	< 10	< 10	< 10	< 10	< 10	0.1	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	3	3	3	< 0.1	< 2.0	NA	NA	10	50	
Common Anions																						
Fluoride	mg/l	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
Chloride	mg/l	48	49	45	39	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	135	250	
Nitrite as N	mg/l	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2	1	
Nitrate as N	mg/l	0.2	0.23	0.18	0.13	0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
Sulfate	mg/l	< 0.028	< 0.025	< 0.025	< 0.025	< 0.025	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	10	
Stibic	mg/l	1700	1400	780	680	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	125	250	
PCBs																						
PCB 1016	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003	0.03	
PCB 1221	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003	0.03	
PCB 1232	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003	0.03	
PCB 1242	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003	0.03	
PCB 1246	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003	0.03	
PCB 1254	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003	0.03	
PCB 1260	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003	0.03	
PCB 1260	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003	0.03	
Miscellaneous																						
TOX	ug/l	36	37.5	720	650	36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
TOC	mg/l	112.1	67.2	89	63	62.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
TSS	mg/l	72	280	780	1400	220	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
Phenol	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	0.0477	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2	6	

LF=Low Flow Sampling Technique and Not Filtered
 Matrix Spike QC Exceeded
 -=Not avail, at limit
 NA=Not Analyzed
 ND=Not Detected
 PQI=Practical Quantitation Limit
 NS=No Standard
 Bold Type=NR 140 PAL Exceedance
 Bold Italic Type=NR 140 ES Exceedance
 *See NR 140 for Pesticide Standards

Note:
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 optical character recognition (OCR).
 The OCR output was manually reformatted and checked
 Mike Stevater 5-August-2008

Analytical Results for MW-5
Schmalz Dump Superfund Site

TABLE 1 (continued)

PARAMETER	UNITS	Aug-93		Nov-93		Feb-94		Jun-94		04/21/1998		07/21/1998		LF-NF		11/02/1998		LF-F		09/09/2003		10/17/2004		07/30/2008		11/18/2008			
					Duplicate		Duplicate		Duplicate		Duplicate		Duplicate		Duplicate		Duplicate		Duplicate		Duplicate		Duplicate		Duplicate		Duplicate		Duplicate
Acetic disulfide	ug/l	< 3.0	< 100	< 100	< 100	< 100	< 100	2	2	2.9	3.3	1.5	480	530	530	2.8	540	540	5.1	482	485	3.1	491	491	15	14	459	450	
Arochlor	ug/l	350	370	370	310	320	320	460	470	480	480	490	530	530	530	2.8	540	540	5.1	482	485	3.1	491	491	15	14	459	450	
Benzene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	0.02	0.04	0.2	0.08	0.17	170	180	170	0.08	170	170	< 0.04	< 0.03	< 0.05	0.05	0.05	0.05	< 0.03	< 0.03	< 0.03	< 0.03	
Chlordane	ug/l	340	210	200	190	200	160	160	170	170	170	180	170	170	170	0.08	170	170	< 0.04	< 0.03	< 0.05	0.05	0.05	0.05	< 0.03	< 0.03	< 0.03	< 0.03	
Chromium	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 0.4	< 0.4	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	
Lead	ug/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
MercURY	ug/l	< 3	< 100	< 100	< 100	< 100	< 100	8	2	3	< 1	< 1	< 1	< 1	< 1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
Selenium	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	0.2	0.3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
Silver	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	0.2	0.3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
Common Anions																													
Chloride	mg/l	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	55	59	56	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
Fluoride	mg/l	60	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
Nitrite as N	mg/l	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	0.19	0.2	0.17	0.36	0.2	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Bromide	mg/l	0.18	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	0.2	0.2	0.17	0.36	0.2	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Nitrate as N	mg/l	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
Sulfate	mg/l	410	400	400	400	400	400	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360
PCBS																													
PCB 1016	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
PCB 1221	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
PCB 1232	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
PCB 1242	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
PCB 1248	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
PCB 1254	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
PCB 1260	ug/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Pesticides	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous																													
TOX	ug/l	109	206	73.2	99	42.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCO	mg/l	182	316	247	380	258	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TSS	mg/l	34	140	24	7	23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	0.0324	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LF-NF=Low Flow Sampling Technique and Not Filtered
 LF-F=Low Flow Sampling Technique and Filtered
 * Matrix Spike QC Exceeded
 - =Not available
 NA =Not Analyzed
 ND =Not Detected
 PQI =Practical Quantitation Limit
 NS = No Standard
 Bold Italic Type =NR 140 PAL Exceedance
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 * See NR 140 for Pesticide Standards

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 optical character recognition (OCR).
 The OCR output was manually reformatted and checked
 Mike Stehwater 5-August-2008

Analytical Results for MW-6
Schmalz Dump Superfund Site

TABLE 1 (continued)

PARAMETER	UNITS	Aug-93	Duplicate	Nov-93	Feb-94	Jun-94	04/21/1998	07/21/1998	11/02/1998	L.F-F	09/09/2003	10/14/2004	07/30/2008	11/18/2009	11/02/2010	11/22/2011	11/20/2012	10/31/2017	Chart	NR 140	NR 140
																				PAL	ES
Metals, dissolved	ug/l	<3.0	<3.0	<100	<100	<100	<0.6	<0.6	<0.8	<0.8	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0		5	50
Arsenic	ug/l	310	350	310	280	220	260	320	320	340	348	307	307	344	326	340	348	382		400	2000
Barium	ug/l	<10	<10	<10	<10	<10	<0.02	0.04	0.36	<0.04	<0.05	0.08	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		0.5	50
Cadmium	ug/l	3	3	<10	<10	<10	2.9	3	4	1	2	1.5	2	4	<1.0	2	<3.0	2.76		10	100
Chromium	ug/l	<50	<50	<50	<50	<50	<0.4	<0.8	<0.8	4	4	<1.0	<3.0	<3.0	<3.0	<3.0	<3.0	<0.03		1.5	15
Lead	ug/l	<0.20	<0.20	<0.20	<0.20	<0.20	NA	NA	NA	NA	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03		0.2	2
Mercury	ug/l	<3	<3	<100	<100	<100	4	<1	<1	-	0.1	<1.0	<1.0	<1.0	21	13	<10.0	11.8		10	50
Selenium	ug/l	<10	<10	<10	<10	<10	0.23	<0.2	0.08*	<0.2	0.1	<0.1	3	<2.0	3	3	<2.0	5.77		10	50
Silver	ug/l	<5.2	<5.2	<5.2	<5.2	<3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
Fluoride	mg/l	49	49	48	48	45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		125	250
Chloride	mg/l	<0.36	<0.36	<0.36	<0.36	0.4	<0.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.2	1
Nitrite as N	mg/l	0.41	0.39	0.38	0.4	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
Bromide	mg/l	D.031	<0.025	<0.025	<0.025	<0.025	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		2	10
Nitrate as N	mg/l	240	280	240	220	240	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		125	250
Sulfate	mg/l	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB#	ug/l	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1016	ug/l	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1221	ug/l	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1232	ug/l	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1242	ug/l	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1248	ug/l	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1254	ug/l	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1280	ug/l	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		0.003	0.03
PCB 1280	ug/l	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		*	*
Pesticides	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
Miscellaneous	ug/l	230	66	64.9	140	75.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
TOX	mg/l	61.6	45.9	72.1	82	47.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
TOC	mg/l	27	30	49	120	220	220	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NS	NS
TSS	mg/l	<0.020	<0.020	<0.020	<0.020	0.0738	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		1.2	6
Phenol	mg/l																				

Note:
The shaded portion of the table was re-created from hard copy using
optical character recognition (OCR).
The OCR output was manually reformatted and checked.
Mike Stehwer 5-August-2008

L.F-NF=Low Flow Sampling Technique and Not Filtered
L.F-F=Low Flow Sampling Technique and Filtered
* Matrix Spike QC Exceeded
- =Not avail. at Print
NA =No Analyzed
ND =No Detected
PQL =Practical Quantitation Limit
NS = No Standard
Bold Type =NR 140 PAL Exceedance
Bold Italic Type =NR 140 ES Exceedance
* =See NR 140 for Pesticide Standards

Site Inspection Checklist

I. SITE INFORMATION	
Site name: Schmalz Dump Site	Date of inspection: 9/20/2017
Location and Region: Harrison, Wisconsin/ Region 5	EPA ID: WID980820096
Agency, office, or company leading the FYR: U.S. EPA Region 5	Weather/temperature: 65 degree F, Cloudy
Remedy Includes: (Check all that apply)	
<input checked="" type="checkbox"/> Landfill cover/containment <input checked="" type="checkbox"/> Access controls <input checked="" type="checkbox"/> Institutional controls <input type="checkbox"/> Groundwater pump and treatment <input type="checkbox"/> Surface water collection and treatment	<input checked="" type="checkbox"/> Monitored natural attenuation <input type="checkbox"/> Groundwater containment <input type="checkbox"/> Vertical barrier walls <input type="checkbox"/> Other: <small>Click or tap here to enter text.</small>
Attachments:	
<input type="checkbox"/> Inspection team roster attached	<input type="checkbox"/> Site map attached

Site Inspection Checklist

III. ON-SITE DOCUMENTS & RECORDS VERIFIED (Check all that apply)			
1. O&M Documents			
<input type="checkbox"/> O&M manual	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> As-built drawings	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Maintenance logs	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A
Remarks: Click or tap here to enter text.			
2. Site-Specific Health and Safety Plan			
<input type="checkbox"/> Contingency Plan/Emergency Response Plan		<input type="checkbox"/> Readily available	
Remarks: N/A			
3. O&M and OSHA Training Records			
		<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A
Remarks: Click or tap here to enter text.			
4. Permits and Service Agreements			
<input type="checkbox"/> Air discharge permit	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Effluent discharge	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Waste disposal, POTW	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Other permits: Click or tap here to enter text.			
Remarks: Click or tap here to enter text.			
5. Gas Generation Records			
		<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A
Remarks: Click or tap here to enter text.			
6. Settlement Monument Records			
		<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A
Remarks: Click or tap here to enter text.			
7. Groundwater Monitoring Records			
		<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A
Remarks: Click or tap here to enter text.			
8. Leachate Extraction Records			
		<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A
Remarks: Click or tap here to enter text.			

Site Inspection Checklist

9. Discharge Compliance Records

- | | | | |
|---|--|-------------------------------------|---|
| <input type="checkbox"/> Air | <input type="checkbox"/> Readily available | <input type="checkbox"/> Up to date | <input checked="" type="checkbox"/> N/A |
| <input type="checkbox"/> Water (effluent) | <input type="checkbox"/> Readily available | <input type="checkbox"/> Up to date | <input checked="" type="checkbox"/> N/A |

Remarks: Click or tap here to enter text.

10. Daily Access/Security Logs

- | | | |
|--|-------------------------------------|---|
| <input type="checkbox"/> Readily available | <input type="checkbox"/> Up to date | <input checked="" type="checkbox"/> N/A |
|--|-------------------------------------|---|

Remarks: Click or tap here to enter text.

IV. O&M COSTS

1. O&M Organization

- | | |
|--|--|
| <input checked="" type="checkbox"/> State in-house | <input type="checkbox"/> Contractor for State |
| <input type="checkbox"/> PRP in-house | <input type="checkbox"/> Contractor for PRP |
| <input type="checkbox"/> Federal Facility in-house | <input type="checkbox"/> Contractor for Federal Facility |

Remarks: Click or tap here to enter text.

2. O&M Cost Records

- | | | |
|--|-------------------------------------|---|
| <input type="checkbox"/> Readily available | <input type="checkbox"/> Up to date | <input type="checkbox"/> Funding mechanism/agreement in place |
|--|-------------------------------------|---|

Original O&M cost estimate Click or tap here to enter text. Breakdown attached

Total annual cost by year for review period if available

From	To	Total cost	
Click or tap to enter a date.	Click or tap to enter a date.	Click or tap here to enter text.	<input type="checkbox"/> Breakdown attached
From	To	Total cost	
Click or tap to enter a date.	Click or tap to enter a date.	Click or tap here to enter text.	<input type="checkbox"/> Breakdown attached
From	To	Total cost	
Click or tap to enter a date.	Click or tap to enter a date.	Click or tap here to enter text.	<input type="checkbox"/> Breakdown attached
From	To	Total cost	
Click or tap to enter a date.	Click or tap to enter a date.	Click or tap here to enter text.	<input type="checkbox"/> Breakdown attached
From	To	Total cost	
Click or tap to enter a date.	Click or tap to enter a date.	Click or tap here to enter text.	<input type="checkbox"/> Breakdown attached

3. Unanticipated or Unusually High O&M Costs During Review Period

Describe costs and reasons:

Click or tap here to enter text.

Site Inspection Checklist

V. ACCESS AND INSTITUTIONAL CONTROLS			
<input checked="" type="checkbox"/> Applicable		<input type="checkbox"/> N/A	
1. Fencing Damaged	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> Gates secured	<input type="checkbox"/> N/A
Remarks: Click or tap here to enter text.			
2. Other Access Restrictions	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> Gates secured	
Remarks: Click or tap here to enter text.			
3. Institutional Controls (ICs)			
A. Implementation and Enforcement			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Type of monitoring (<i>e.g.</i> , self-reporting, drive by)	Annual Monitoring		
Frequency	Click or tap here to enter text.		
Responsible party/agency	Winconsin DNR		
Contact: Kevin McKnight, Hydrogeologis, 9/20/2017, P: (920)-424-7890			
Reporting is up-to-date	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Reports are verified by the lead agency	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Specific requirements in deed or decision documents have been met	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Violations have been reported	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Other problems or suggestions:			
Click or tap here to enter text.			
B. Adequacy	<input checked="" type="checkbox"/> ICs are adequate	<input type="checkbox"/> ICs are inadequate	<input type="checkbox"/> N/A
Remarks: Click or tap here to enter text.			
4. General			
A. Vandalism/Trespassing	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> No vandalism evident	
Remarks: Click or tap here to enter text.			
B. Land use changes on site	<input checked="" type="checkbox"/> N/A		
Remarks: Click or tap here to enter text.			
C. Land use changes off site	<input checked="" type="checkbox"/> N/A		
Remarks: Click or tap here to enter text.			

Site Inspection Checklist

VI. GENERAL SITE CONDITIONS			
1. Roads	<input type="checkbox"/> Applicable	<input checked="" type="checkbox"/> N/A	
A. Roads damaged	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> Roads adequate	<input type="checkbox"/> N/A
Remarks: Click or tap here to enter text.			
B. Other Site Conditions	Remarks: Click or tap here to enter text.		
VII. LANDFILL COVERS			
1. Landfill Surface	<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A	
A. Settlement (Low Spots)	<input type="checkbox"/> Location Shown on Site Map	<input checked="" type="checkbox"/> Settlement Not Evident	
Areal Extent: Click or tap here to enter text.		Depth: Click or tap here to enter text.	
Remarks: Click or tap here to enter text.			
B. Cracks	<input type="checkbox"/> Location Shown on Site Map	<input checked="" type="checkbox"/> Cracking Not Evident	
Lengths: Click or tap here to enter text.	Widths: Click or tap here to enter text.	Depths: Click or tap here to enter text.	
Remarks: Click or tap here to enter text.			
C. Erosion	<input type="checkbox"/> Location Shown on Site Map	<input checked="" type="checkbox"/> Erosion Not Evident	
Areal Extent: Click or tap here to enter text.		Depth: Click or tap here to enter text.	
Remarks: Click or tap here to enter text.			
D. Holes	<input type="checkbox"/> Location Shown on Site Map	<input checked="" type="checkbox"/> Holes Not Evident	
Areal Extent: Click or tap here to enter text.		Depth: Click or tap here to enter text.	
Remarks: Click or tap here to enter text.			
E. Vegetative Cover	<input type="checkbox"/> Grass	<input type="checkbox"/> Cover Properly Established	
<input type="checkbox"/> Tress/Shrubs (indicate size and locations on a diagram)		<input checked="" type="checkbox"/> No Signs of Stress	
Remarks: Click or tap here to enter text.			
F. Alternative Cover (armored rock, concrete, etc.)	<input checked="" type="checkbox"/> N/A		
Remarks: Click or tap here to enter text.			
G. Bulges	<input type="checkbox"/> Location Shown on Site Map	<input checked="" type="checkbox"/> Bulges Not Evident	
Areal Extent: Click or tap here to enter text.		Height: Click or tap here to enter text.	
Remarks: Click or tap here to enter text.			
H. Wet Areas/Water Damage	<input checked="" type="checkbox"/> Wet Areas/Water Damage Not Evident		

Site Inspection Checklist

<input type="checkbox"/> Wet Areas	<input type="checkbox"/> Location Shown on Site Map	Areal Extent: Click or tap here to enter text.
<input type="checkbox"/> Ponding	<input type="checkbox"/> Location Shown on Site Map	Areal Extent: Click or tap here to enter text.
<input type="checkbox"/> Seeps	<input type="checkbox"/> Location Shown on Site Map	Areal Extent: Click or tap here to enter text.
<input type="checkbox"/> Soft Subgrade	<input type="checkbox"/> Location Shown on Site Map	Areal Extent: Click or tap here to enter text.
Remarks: Click or tap here to enter text.		
I. Slope Instability	<input type="checkbox"/> Location Shown on Site Map <input type="checkbox"/> Slides	<input type="checkbox"/> Slope Instability Not Evident Areal Extent: Click or tap here to enter text.
Remarks: Click or tap here to enter text.		
2. Benches		
<input type="checkbox"/> Applicable		
<input checked="" type="checkbox"/> N/A		
(Horizontally constructed mounds of earth placed across a steep landfill side slope to interrupt the slope in order to slow down the velocity of surface runoff and intercept and convey the runoff to a lined channel.)		
A. Flows Bypass Bench	<input type="checkbox"/> Location Shown on Site Map	<input type="checkbox"/> N/A or Okay
Remarks: Click or tap here to enter text.		
B. Bench Breached	<input type="checkbox"/> Location Shown on Site Map	<input type="checkbox"/> N/A or Okay
Remarks: Click or tap here to enter text.		
C. Bench Overtopped	<input type="checkbox"/> Location Shown on Site Map	<input type="checkbox"/> N/A or Okay
Remarks: Click or tap here to enter text.		
3. Letdown Channels		
<input type="checkbox"/> Applicable		
<input checked="" type="checkbox"/> N/A		
(Channel lined with erosion control mats, riprap, grout bags, or gabions that descend down the steep side slope of the cover and will allow the runoff water collected by the benches to move off of the landfill cover without creating erosion gullies.)		
A. Settlement	<input type="checkbox"/> Location Shown on Site Map	<input type="checkbox"/> Settlement Not Evident
Areal Extent: Click or tap here to enter text.		Depth: Click or tap here to enter text.
Remarks: Click or tap here to enter text.		
B. Material Degradation	<input type="checkbox"/> Location Shown on Site Map	<input type="checkbox"/> Degradation Not Evident
Material Type: Click or tap here to enter text.		Areal Extent: Click or tap here to enter text.
Remarks: Click or tap here to enter text.		
C. Erosion	<input type="checkbox"/> Location Shown on Site Map	<input checked="" type="checkbox"/> Erosion Not Evident

Site Inspection Checklist

Areal Extent: Click or tap here to enter text. Remarks: Click or tap here to enter text.	Depth: Click or tap here to enter text.
D. Undercutting <input type="checkbox"/> Location Shown on Site Map <input checked="" type="checkbox"/> Undercutting Not Evident Areal Extent: Click or tap here to enter text. Depth: Click or tap here to enter text. Remarks: Click or tap here to enter text.	
E. Obstructions <input type="checkbox"/> Location Shown on Site Map <input type="checkbox"/> Undercutting Not Evident Type: Click or tap here to enter text. Areal Extent: Click or tap here to enter text. Size: Click or tap here to enter text. Remarks: Click or tap here to enter text.	
F. Excessive Vegetative Growth <input type="checkbox"/> Location Shown on Site Map <input type="checkbox"/> Excessive Growth Not Evident Areal Extent: Click or tap here to enter text. <input type="checkbox"/> Vegetation in channels does not obstruct flow Remarks: Click or tap here to enter text.	
4. Cover Penetrations <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A	
A. Gas Vents <input type="checkbox"/> Active <input type="checkbox"/> Passive <input type="checkbox"/> Properly secured/locked <input type="checkbox"/> Functioning <input type="checkbox"/> Routinely sampled <input type="checkbox"/> Good condition <input type="checkbox"/> Evidence of leakage at penetration <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A Remarks: Click or tap here to enter text.	
B. Gas Monitoring Probes <input type="checkbox"/> Properly secured/locked <input type="checkbox"/> Functioning <input type="checkbox"/> Routinely sampled <input type="checkbox"/> Good condition <input type="checkbox"/> Evidence of leakage at penetration <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A Remarks: Click or tap here to enter text.	
C. Monitoring Wells <input type="checkbox"/> Properly secured/locked <input type="checkbox"/> Functioning <input type="checkbox"/> Routinely sampled <input type="checkbox"/> Good condition <input type="checkbox"/> Evidence of leakage at penetration <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A Remarks: Click or tap here to enter text.	
D. Leachate Extraction Wells	

Site Inspection Checklist

<input type="checkbox"/> Properly secured/locked <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks: Click or tap here to enter text.	<input type="checkbox"/> Functioning <input type="checkbox"/> Routinely sampled <input type="checkbox"/> Evidence of leakage at penetration <input type="checkbox"/> N/A
E. Settlement Monuments <input type="checkbox"/> Located <input type="checkbox"/> Routinely Surveyed <input type="checkbox"/> N/A Remarks: Click or tap here to enter text.	
5. Gas Collection and Treatment <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A	
A. Gas Treatment Facilities <input type="checkbox"/> Flaring <input type="checkbox"/> Thermal Destruction <input type="checkbox"/> Collection for Reuse <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks: Click or tap here to enter text.	
B. Gas Collection Wells, Manifolds, and Piping <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A Remarks: Click or tap here to enter text.	
C. Gas Monitoring Facilities (e.g. gas monitoring of adjacent homes or buildings) <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A Remarks: Click or tap here to enter text.	
6. Cover Drainage Layer <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A	
A. Outlet Pipes Inspected <input type="checkbox"/> Functioning <input type="checkbox"/> N/A Remarks: Click or tap here to enter text.	
B. Outlet Rock Inspected <input type="checkbox"/> Functioning <input type="checkbox"/> N/A Remarks: Click or tap here to enter text.	
7. Detention/Sediment Ponds <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A	
A. Siltation <input type="checkbox"/> Siltation Not Evident <input type="checkbox"/> N/A Areal Extent: Click or tap here to enter text. Depth: Click or tap here to enter text. Remarks: Click or tap here to enter text.	
B. Erosion <input type="checkbox"/> Erosion Not Evident Areal Extent: Click or tap here to enter text. Depth: Click or tap here to enter text. Remarks: Click or tap here to enter text.	
C. Outlet Works <input type="checkbox"/> Functioning <input type="checkbox"/> N/A	

Site Inspection Checklist

Remarks: Click or tap here to enter text.		
D. Dam	<input type="checkbox"/> Functioning	<input type="checkbox"/> N/A
Remarks: Click or tap here to enter text.		
8. Retaining Walls	<input type="checkbox"/> Applicable	<input checked="" type="checkbox"/> N/A
A. Deformations	<input type="checkbox"/> Location Shown on Site Map	<input type="checkbox"/> Deformation Not Evident
Horizontal Displacement: Click or tap here to enter text.		
Vertical Displacement: Click or tap here to enter text.		
Rotational Displacement: Click or tap here to enter text.		
Remarks: Click or tap here to enter text.		
B. Degradation	<input type="checkbox"/> Location Shown on Site Map	<input type="checkbox"/> Deformation Not Evident
Remarks: Click or tap here to enter text.		
9. Perimeter Ditches/Off-Site Discharge	<input type="checkbox"/> Applicable	<input checked="" type="checkbox"/> N/A
A. Siltation	<input type="checkbox"/> Location Shown on Site Map	<input type="checkbox"/> Siltation Not Evident
Areal Extent: Click or tap here to enter text.		Depth: Click or tap here to enter text.
Remarks: Click or tap here to enter text.		
B. Vegetative Growth	<input type="checkbox"/> Location Shown on Site Map	<input type="checkbox"/> N/A
<input type="checkbox"/> Vegetation Does Not Impede Flow		
Areal Extent: Click or tap here to enter text.		Type: Click or tap here to enter text.
Remarks: Click or tap here to enter text.		
C. Erosion	<input type="checkbox"/> Location Shown on Site Map	<input type="checkbox"/> Erosion Not Evident
Areal Extent: Click or tap here to enter text.		Depth: Click or tap here to enter text.
Remarks: Click or tap here to enter text.		
D. Discharge Structure	<input type="checkbox"/> Functioning	<input type="checkbox"/> N/A
Remarks: Click or tap here to enter text.		
VIII. VERTICAL BARRIER WALLS		
<input type="checkbox"/> Applicable		<input checked="" type="checkbox"/> N/A
1. Settlement	<input type="checkbox"/> Location Shown on Site Map	<input type="checkbox"/> Settlement Not Evident
Areal Extent: Click or tap here to enter text.		Depth: Click or tap here to enter text.
Remarks: Click or tap here to enter text.		
2. Performance Monitoring	Type of Monitoring: Click or tap here to enter text.	

Site Inspection Checklist

<input type="checkbox"/> Performance Not Monitored Frequency: Click or tap here to enter text. Remarks: Click or tap here to enter text.	<input type="checkbox"/> Evidence of Breaching Head Differential: Click or tap here to enter text.
IX. GROUNDWATER/SURFACE WATER REMEDIES	
<input type="checkbox"/> Applicable	<input checked="" type="checkbox"/> N/A
1. Groundwater Extraction Wells, Pumps, and Pipelines	
<input type="checkbox"/> Applicable <input type="checkbox"/> N/A	
A. Pumps, Wellhead Plumbing, and Electrical	
<input type="checkbox"/> N/A	
<input type="checkbox"/> Good Condition <input type="checkbox"/> All Required Wells Properly Operating <input type="checkbox"/> Needs Maintenance Remarks: Click or tap here to enter text.	
B. Extraction System Pipelines, Valves, Valve Boxes, and Other Appurtenances	
<input type="checkbox"/> Good Condition <input type="checkbox"/> Needs Maintenance Remarks: Click or tap here to enter text.	
C. Spare Parts and Equipment	
<input type="checkbox"/> Needs to be Provided	
<input type="checkbox"/> Readily Available <input type="checkbox"/> Good Condition <input type="checkbox"/> Requires Upgrade Remarks: Click or tap here to enter text.	
2. Surface Water Collection Structures, Pumps, and Pipelines	
<input type="checkbox"/> Applicable <input type="checkbox"/> N/A	
A. Collection Structures, Pumps, and Electrical	
<input type="checkbox"/> Good Condition <input type="checkbox"/> Needs Maintenance Remarks: Click or tap here to enter text.	
B. Surface Water Collection System Pipelines, Valves, Valve Boxes, and Other Appurtenances	
<input type="checkbox"/> Good Condition <input type="checkbox"/> Needs Maintenance Remarks: Click or tap here to enter text.	
C. Spare Parts and Equipment	
<input type="checkbox"/> Needs to be Provided	
<input type="checkbox"/> Readily Available <input type="checkbox"/> Good Condition <input type="checkbox"/> Requires Upgrade Remarks: Click or tap here to enter text.	
3. Treatment System	
<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A	
A. Treatment Train (Check components that apply)	
<input type="checkbox"/> Metals removal <input type="checkbox"/> Oil/Water Separation <input type="checkbox"/> Bioremediation <input type="checkbox"/> Air Stripping <input type="checkbox"/> Carbon Absorbers <input type="checkbox"/> Filters Click or tap here to enter text.	

Site Inspection Checklist

- Additive (e.g. chelation agent, flocculent) Click or tap here to enter text.
 - Others Click or tap here to enter text.
 - Good Condition Needs Maintenance
 - Sampling ports properly marked and functional
 - Sampling/maintenance log displayed and up to date
 - Equipment properly identified
 - Quantity of groundwater treated annually Click or tap here to enter text.
 - Quantity of surface water treated annually Click or tap here to enter text.
- Remarks: Click or tap here to enter text.

B. Electrical Enclosures and Panels (properly rated and functional)

- N/A Good Condition Needs Maintenance
- Remarks: Click or tap here to enter text.

C. Tanks, Vaults, Storage Vessels

- N/A
 - Proper Secondary Containment Good Condition Needs Maintenance
- Remarks: Click or tap here to enter text.

D. Discharge Structure and Appurtenances

- N/A Good Condition Needs Maintenance
- Remarks: Click or tap here to enter text.

E. Treatment Building(s)

- N/A Good condition (esp. roof and doorways)
 - Needs repair Chemicals and equipment properly stored
- Remarks Click or tap here to enter text.

F. Monitoring Wells (Pump and Treatment Remedy)

- Properly secured/locked Functioning N/A
 - Routinely sampled All required wells located
 - Good condition Needs Maintenance
- Remarks Click or tap here to enter text.

4. Monitoring Data

A. Monitoring Data:

- Is Routinely Submitted on Time Is of Acceptable Quality

Site Inspection Checklist

B. Monitoring Data Suggests:

- Groundwater plume is effectively contained Contaminant concentrations are declining

5. Monitored Natural Attenuation

A. Monitoring Wells (natural attenuation remedy)

N/A

- Properly secured/locked Functioning Routinely sampled
 All required wells located Needs Maintenance Good condition

Remarks: [Click or tap here to enter text.](#)

X. OTHER REMEDIES

If there are remedies applied at the site which are not covered above, attach an inspection sheet describing the physical nature and condition of any facility associated with the remedy. An example would be soil vapor extraction.

XI. OVERALL OBSERVATIONS

1. Implementation of the Remedy

Describe issues and observations relating to whether the remedy is effective and functioning as designed. Begin with a brief statement of what the remedy is to accomplish (i.e., to contain contaminant plume, minimize infiltration and gas emission, etc.).

There are no significant issues or observations have been identified during this site inspection. Remedy is effective and functioning as designed.

2. Adequacy of O&M

Describe issues and observations related to the implementation and scope of O&M procedures. In particular, discuss their relationship to the current and long-term protectiveness of the remedy.

[Click or tap here to enter text.](#)

3. Early Indicators of Potential Remedy Problems

Describe issues and observations such as unexpected changes in the cost or scope of O&M or a high frequency of unscheduled repairs that suggest that the protectiveness of the remedy may be compromised in the future.

[Click or tap here to enter text.](#)

4. Early Indicators of Potential Remedy Problems

Describe possible opportunities for optimization in monitoring tasks or the operation of the remedy.

[Click or tap here to enter text.](#)