SEVENTH FIVE-YEAR REVIEW REPORT FOR WAUSAU GROUND WATER CONTAMINATION SUPERFUND SITE MARATHON COUNTY, WISCONSIN



Prepared by

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

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Douglas Ballotti, Director Superfund & Emergency Management Division Signed by: DOUGLAS BALLOTTI

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LIST OF ABBREVIATIONS & ACRONYMS

AMR	Annual Monitoring Report
AFFF	Aqueous Film Forming Foam
C12DCE	Cis-1,2-Dichloroethene
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CD	Consent Decree
CFR	Code of Federal Regulations
City	Wausau, Wisconsin
COC	Contaminant of Concern
CRA	Conestoga-Rovers & Associates Inc.
CW	City Well
DCE	Dichloroethene
EPA	United States Environmental Protection Agency
ES	Wisconsin NR 140 Enforcement Standard
ESD	Explanation of Significant Differences
EW	Extraction Well
FS	Feasibility Study
FYR	Five-Year Review
GAC	Granular activated carbon
GHD	GHD Group Party Ltd (Contractor Representative for Site PRPs)
gpm	Gallons per minute
ICs	Institutional Controls
ICIAP	Institutional Controls Implementation and Assurance Plan
LTS	Long-Term Stewardship
MCL	Maximum Contaminant Level
MW	Monitoring Well
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NEtFOSA	N-ethyl perfluorooctanesulfonamide or Sulfluramid
NEtFOSAA	N-ethyl-perfluorooctane sulfonamidoacetic acid (a perfluorinated alkyl substance)
NEtFOSE	N-(2-hydroxyethyl)perfluorooctylsulphonamide
NPL	National Priorities List
0&M	Operation and Maintenance
OU	Operable Unit
PAH	Polycyclic Aromatic Hydrocarbon
PAL	Wisconsin NR 140 Preventative Action Limit
PCBs	Polychlorinated Biphenyls
PCE	Perchloroethylene, also called tetrachloroethene
РСР	Pentachlorophenol
PFAS	Per- and polyfluoroalkyl substances
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctane sulfonate
PFOSA	Perfluorooctanesulfonamide
ppt	parts per trillion (also sometimes written as ng/L)
PRP	Potentially Responsible Party

RAOs	Remedial Action Objectives
RI	Remedial Investigation
ROD	Record of Decision
RPM	Remedial Project Manager
Site	Wausau Ground Water Contamination Superfund Site
SVE	Soil Vapor Extraction
TCE	Trichloroethene
μg/L	micrograms per liter
UU/UE	Unlimited Use and Unrestricted Exposure
VC	Vinyl Chloride
VI	Vapor Intrusion
VOCs	Volatile Organic Compounds
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 Oil and Hazardous Substances Pollution Contingency Plan (NCP)(40 CFR Section 300.430(f)(4)(ii)), and considering EPA policy.

This is the seventh FYR for the Wausau Ground Water Contamination Superfund Site ("Site"). The triggering action for this **statutory** review is the completion date of the previous FYR. 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), both of which are addressed in this FYR. OU1 addresses the interim groundwater actions at the Site. OU2 is the Final Action that confirms the previously selected groundwater remedy and requires additional remedial actions.

The Wausau Ground Water Contamination Superfund Site FYR was led by D. Michael Holt III, Remedial Project Manager (RPM), EPA. Participants included Jane Gray of the Wisconsin Department of Natural Resources (WDNR). The Potentially Responsible Parties (PRPs) were notified of the initiation of the FYR. The review began on 4/15/2024.

Site Background

The Site is located in central Wisconsin along both the east and west banks of the Wisconsin River in the downtown area of Wausau, Wisconsin (City), which has a population of approximately 39,500 people (see Figure 1, Appendix B). The Site affects six of the City's drinking water production/supply wells (City Wells or CWs). The City's production wells are adjacent to the Wisconsin River and provide drinking water for people who reside on both sides of the Wisconsin River. In 1982, three of the wells were found to be contaminated with high levels of volatile organic compounds (VOCs).

Historically, the EPA identified two areas of concern with activities that resulted in contamination at the Site. The first area is along the west bank of the Wisconsin River (West Bank) and was a property owned and occupied by Marathon Electric Corporation, at which metal parts were manufactured, and a closed municipal landfill. The landfill operated from 1948 to 1955 and accepted almost all commercial, industrial and residential waste generated within Wausau. The landfill appears to be the predominant source of trichloroethene (TCE) contamination of the underlying aquifer. The second area of concern is along the east bank of the Wisconsin River (East Bank) and was property occupied by the Wausau Chemical Co. where bulk solvents were distributed and transferred. The Wausau Chemical Co. was found to be a likely source of soil and groundwater contamination due to spills from past

operations. Also on the east side, Wausau Energy, a petroleum bulk storage and disposal center, may have contributed to the contamination at the Site.

Current and future anticipated Site use on the West Bank consists of the Marathon Electric Corporation (Marathon Electric) industrial electric parts manufacturing. The East Bank is currently owned by the City and is unused, but the City plans to eventually redevelop the area for beneficial use.

		SITE IDENTIFICATION		
Site Name: Wausau	Ground Wate	er Contamination		
EPA ID: WID9809	93521			
Region: 5	State: WI	City/County: Wausau/Marathon County		
		SITE STATUS		
NPL Status: Final				
Multiple OUs? Yes		Has the site achieved construction completion? Yes		
		REVIEW STATUS		
Lead agency: EPA [If "Other Federal Agenc	y", enter Age	ency name]:		
Author name (Federal or	State Projec	ct Manager): Michael Holt		
Author affiliation: U.S. E	PA Region 5			
Review period: 4/15/202	24 - 12/5/202	24		
Date of site inspection: 8/12/2024				
Type of review: Statutory				
Review number: 7				
Triggering action date: 4	Triggering action date: 4/9/2020			
Due date (five years after triggering action date): 4/9/2025				

FIVE-YEAR REVIEW SUMMARY FORM

II. RESPONSE ACTION SUMMARY

Basis for Taking Action

A combined two-phase remedial investigation (RI) and Feasibility Study (FS) was carried out between August 1987 and September 1988, and documented in a 1989 report (Warzyn Inc, 1989). The RI/FS

identified the following groups of contaminants of concern (COCs) at the Site: benzene, toluene, ethylbenzene, and xylene (BTEX) compounds; total chlorinated ethenes; total chlorinated ethanes; single carbon chlorinated compounds; ketones; phthalates; polychlorinated biphenyl compounds (PCBs); polynuclear aromatic hydrocarbons (PAHs); phenols; and inorganic contaminants.

The RI identified the following chlorinated VOCs as the primary COCs in soil and groundwater at the Site that pose a threat to human health: Perchloroethylene (PCE), TCE, cis-1,2-dichloroethene (C12DCE), vinyl chloride (VC), chloroform, and carbon tetrachloride. On the West Bank, the RI found that the former municipal landfill on the Marathon Electric Corporation property contained soil and groundwater highly contaminated by the chlorinated VOCs and was a source of contamination in CW6 (located on West Bank) and, to some extent, CW3 (located on East Bank). On the East Bank, the RI identified soil and groundwater highly contaminated with the chlorinated VOCs at or near the Wausau Chemical Co. property as a source of contamination for CW3 and CW4 (CW4 has been abandoned and is omitted from contemporary Site maps).

During the RI/FS, several important potential exposure pathways were found for the Site. Potential health risks were evaluated for the following exposure pathways and potentially exposed population: (1) residents using municipal water exposed to contaminant concentrations equal to the laboratory detection limits of 0.5 micrograms per liter (μ g/L) for PCE and TCE, and 1.0 μ g/L for DCE; (2) hypothetical, future users of a private well installed within the contaminated aquifer exposed to the highest concentrations found in groundwater, approximately 4300 μ g/L, to obtain the worst-case potential risk for this exposure scenario; and (3) residents exposed to contaminated air emanating from the groundwater treatment procedures (i.e. air stripping towers).

Soil remediation was only considered as a pathway to groundwater in the 1989 Record of Decision (ROD) (EPA, 1989).

Response Actions

Prior to the 1986 NPL listing, the EPA awarded the City a federal grant to help fund the design and installation of a packed tower VOC air stripper on the East Bank. However, VOC levels continued to increase prior to air stripper activation, resulting in the EPA's emergency response team installing a granular activated carbon (GAC) treatment system to CW6 on the West Bank in June 1984. As part of that emergency response, VOC air stripping towers were installed on the East Bank in the summer and fall of 1984 to treat water from CW3 and CW4. The West Bank GAC system was then removed from service in October 1984.

The EPA issued an interim ROD in 1988 for the West Bank and a final ROD in 1989 for the entire Site (EPA, 1988 and 1989). The EPA determined that the Site would be managed with two OUs as determined by the two RODs. The EPA and WDNR entered into judicial settlements with PRPs (i.e. the City, Wausau Chemical Co., and Marathon Electric Corporation) to implement the cleanups. The judicial settlements are memorialized in Consent Decrees (CDs) entered in 1989 and 1991 (EPA 1989; EPA 1991).

The two Remedial Action Objectives (RAOs) for the selected remedy from the OU1 1988 interim ROD address TCE contamination on the West Bank and are the following:

- Protection from long-term exposure to low levels of TCE from ingestion of drinking water; and
- Protection from future increased levels of contamination to the West Well Field.

The response actions selected for the Site's West Bank in the 1988 interim ROD included the following remedial components:

- Installation of a groundwater extraction well (EW-1) located in the southern portion of the contaminant plume (i.e. near the municipal landfill);
- Implementation of a treatment system for removal of contaminants;
- Discharge of the treated water to the Wisconsin River;
- Installation of an additional extraction well, as necessary; and
- Preparation of an operation and maintenance (O&M) monitoring program.

The RAOs for the selected remedies from the 1989 ROD for OU2 (Final ROD) were to address the remaining concerns at the Site following implementation of the Interim Remedial Action and are as follows:

- Reduction of long-term exposure to low levels of VOCs from ingestion of drinking water;
- Protection from potential future use of private wells in contaminated groundwater; and
- Protection from emissions of contaminants from proposed water treatment systems that release VOCs to the atmosphere.

The response actions selected for the Site in the 1989 final ROD included the following additional remedial components:

- Installation of soil vapor extraction (SVE) systems to remove VOC contaminants from soils at each of the identified source areas;
- Treatment of off-gases from the SVE system using vapor phase carbon units (the carbon was to be regenerated off-site); and
- Groundwater remediation utilizing the municipal wells and existing air strippers for expedited removal of contaminant plumes.

This remedy also includes monitoring of groundwater and soil. The selected remedy established that the cleanup levels for groundwater COCs are the Maximum Contaminant Levels (MCLs) per the Safe Drinking Water Act and WDNR's groundwater enforcement standards (ESs) (Wisconsin Administrative Rule Chapter NR 140). These standards are shown below in Table 1 for each COC identified in the ROD.

COC	Federal Drinking water	Wisconsin NR 140 ESs
	MCL (µg/L)	(µg/L)
TCE	5	5
PCE	5	5
C12DCE	70	7
VC	2	0.2

Table 1: Groundwater Cleanup Standards Selected in the 1989 ROD for Site COCs

Although soil specific, numerical cleanup levels were not established in the 1989 ROD, the ROD stated: the performance standards for the SVE in source soils will be determined using a mass flux groundwater model to determine what cleanup levels are needed in soils to achieve cleanup of the aquifer. These cleanup levels will be based on the requirement to attain Wisconsin NR 140 groundwater standards for PCE and TCE at the source boundary. Attainment of cleanup levels were confirmed through sample analysis of groundwater at the boundary of the source areas. SVE soil cleanup standards are seen below in Table 1.1.

COCs	(µg/kg)
cis-1,2-Dichloroethene (c1,2DCE)	12
Tetrachloroethylene (PCE)	10
Trichloroethylene (TCE)	10
Vinyl chloride (VC)	5
Acetone	20
Benzene	5
Chloroform	5
1,1-Dichloroethene	5
Ethylbenzene	331
Methylene chloride	10
Toluene	28
1,1,2-Trichloroethane	10
Xvlenes	44

Table :	1.1 SVI	E Soil	Cleanup	Standards

On March 15, 2024, the EPA issued an Explanation of Significant Differences (ESD). The purpose of the ESD is to document significant changes to the Site remedy by documenting the requirement to implement Institutional Controls (ICs) to prevent exposures to contaminated groundwater, soil, and vapors so that the remedy remains protective. The ESD required the following changes to the remedy (EPA, 2024):

- Maintain existing ICs as part of the remedy, which include the City ordinance preventing private groundwater well installation and the East Bank deed restrictions.
- Add ICs to areas where hazardous substances, pollutants, or contaminants remain above levels that allow for UU/UE. Specifically, impose deed restrictions on properties containing the West Bank landfill area and establish Wisconsin Continuing Obligations to all other areas where contamination exists in soil, groundwater, or vapors that prevent UU/UE.
- Develop an Institutional Controls Implementation and Assurance Plan (ICIAP)
- Develop a long-term stewardship (LTS) plan that contains the following:

- Provisions that ensure ICs are maintained, monitored, and enforced; and
- A communications plan to establish communication between the EPA, WDNR, City of Wausau, and Marathon County Health Department.
- The Site will be listed in the Wisconsin Remediation and Redevelopment Database (WRRD) that provides information on contaminated properties and other cleanup and redevelopment activities in Wisconsin.
- Additional ICs will continue to be evaluated and implemented, as necessary, based on Site conditions to ensure that the remedy remains protective.

Status of Implementation

The remedial action components included in the 1988 and 1989 RODs have been constructed as described in several construction completion reports and are listed chronologically below. The PRPs initiated the remedial action after agreeing to implement the 1988 interim ROD through a July 7, 1989 CD. Then the final remedial action was selected by the 1989 ROD and is being implemented through a January 24, 1991 CD. The final remedial action at the Site consisted of two SVE systems to address the East Bank and West Bank chlorinated VOCs soil source areas, a groundwater extraction and treatment system utilizing existing municipal production wells (CW3 and CW6), and an extraction well (EW1) to create a hydraulic flow barrier between the West Bank source area and CW6.

The remediation at the Site has been ongoing for about 35 years as summarized chronologically below:

- EW1 begins operation at the West Bank in 1990;
- SVE operations at both the West Bank and East Bank begin in January 1994;
- The Preliminary Close-Out Report is finalized in March 1994 (EPA, 1994);
- West Bank SVE system is shut down in 1996;
- East Bank SVE system is permanently shut down in 2002 after sampling indicated performance metrics had been reached at most of the Site (CRA, 2002). Site-wide permanent SVE closure is granted in 2007, and deed restrictions are pursued at the affected properties;
- EW1 becomes inoperable in 2012, triggering a pilot study for permanent EW1 shutdown;
- Vapor intrusion (VI) sampling was conducted on the East and West Banks in 2017. Additional VI evaluation activities were completed during 2023 and 2024. See Data Review section for a discussion of the results.
- In 2021, the EW1 well was determined to have achieved its purpose, as described in decision documents, as well as being unnecessary for Site protectiveness. On Nov. 19, 2021, the EPA approved the permanent shutdown of EW1 and memorialized this approval in a letter to GHD (EPA, 2021)
- The air stripper at CW3 was also approved for shut down in 2021 (EPA, 2021). The water pumped from CW3 is still treated by the Wausau Water Works treatment plant which has air strippers in its treatment process.

Groundwater Extraction and Treatment

Prior to the 1986 NPL listing, air strippers were installed in 1984 and 1985 to remove VOCs from both CW3 and CW4. In 1988, the EPA signed an interim ROD that required an additional groundwater extraction well (i.e. EW1) placed between CW6 and the West Bank source area. The 1989 final ROD selected groundwater air stripping in wells CW3, CW4, and CW6 and groundwater pumping and discharge via EW1 to a riprap along the Wisconsin River. The groundwater extraction and treatment system was fully constructed and operational in 1990 as described in a Remedial Action Plan and Preliminary Closeout Report (CRA Inc, 1990 and EPA, 1994 respectively). As noted above, the EPA approved EW1 shutdown in 2021 (EPA, 2021). In 2021, the City modified its groundwater extraction and treatment system when it began construction of a new water treatment facility that includes ion exchange resin and GAC treatments to address per- and polyfluoroalkyl substances (PFAS), which were detected above current EPA MCLs (4 nanograms per liter [ng/L or parts per trillion [ppt]) for perfluorooctane sulfonate [PFOS] and perfluorooctanoic acid [PFOA]) in finished drinking water. The new treatment facility was completed in 2022, and the performance requirements of the 1989 ROD and 1991 CD were met during and after its construction. GAC treatment to address PFAS in municipal water came into effect in November 2024. PFAS was discovered in the municipal water system through voluntary testing performed by the city in June of 2019.

Vapor Intrusion

In 2021, GHD (GHD Group Party Ltd) provided the EPA with a VI Evaluation Report (GHD, 2021), and in 2024 the EPA was provided with a VI summary report for March 2023-March 2024 (GHD, 2024). The information in the 2021 GHD report is largely a summary of previously gathered data from March 2017 to September 2019 and therefore was covered in the 2020 FYR's Data Review Section thoroughly (EPA, 2020). Results from the 2021 VI Evaluation Report showed that there were no VOC concentrations in both indoor air and sub-slab on the East Bank that exceeded the appropriate VI action levels (i.e., residential vs. commercial) for a given occupied building. The 2024 VI summary report from the PRPs concluded that no additional VI evaluation is necessary on the East bank of the site. The EPA and WDNR are currently reviewing the East Bank data to decide whether additional VI evaluation is warranted at this time.

In response to the EPA letter dated January 19, 2023, explaining why further VI sampling was necessary at the Site (EPA, 2023), a VI Evaluation Work Plan Addendum (work plan) was submitted by the PRP to the EPA on January 31, 2023, and approved on March 3, 2023 (EPA, 2023). Due to additional tasks required related to the VI work, a second addendum to the work plan was submitted to the EPA on August 22, 2023, and approved on August 23, 2023 (EPA, 2023).

From March 2023 through March 2024, GHD performed investigation activities to supplement existing Site data in an effort to better understand the potential for VI risk in areas adjacent to the known groundwater plume footprints at the Site. In total, VI investigation sampling was conducted on six occasions: March 2017, August 2017, March 2023, August/September 2023, February 2024, and March 2024. A detailed summary of the VI investigation activities completed during 2023 and 2024 is provided below. A detailed summary of the VI results and their evaluation then follows.

March 2023:

- March 3, 2023, EPA approved 2023 Addendum VI Evaluation Work Plan
 - This addendum added field work related to Vapor Pin installation, sub-slab Vapor Pin sampling, indoor air sampling, and manhole vapor sampling.
- Installed sub-slab vapor sampling points beneath Bridge Community Clinic and Wausau Music on the East Bank and installed sub-slab vapor sampling points SS-1 through SS-7 on the West Bank.
- Collected additional sub-slab and indoor air samples at select commercial/industrial buildings on the West Bank and East Bank. The East Bank results are summarized in Table 2.1. The West Bank results are summarized in Section 2.2 found in Appendix B.
- Collected preferential pathway samples from sanitary sewer manholes that are "up-flow" and "down-flow" of the former Wausau Chemical Company property on the East Bank.

August/September 2023:

- August 23, 2023, the EPA approved 2023 Addendum 2 VI Evaluation Work Plan
 - Addendum 2 added field work related to the installation of temporary soil gas probes and sampling of temporary soil gas probes.
- On the West Bank, installed sub-slab vapor sampling points SS-8 through SS-12 and temporary soil gas sampling points to the west of Marathon Electric, Building B.
- Collected additional sub-slab, indoor air samples, and soil gas to the west of Building B.

February 2024:

- Installed sub-slab vapor sampling points SS-13 and SS-14 on the West Bank.
- Collected additional sub-slab and indoor air samples beneath Marathon Electric Building A and Building B, located on the West Bank.

March 2024:

- Installed sub-slab vapor sampling point SS-15 on the West Bank.
- Collected additional sub-slab, and indoor air samples from beneath Marathon Electric Building A and Building B, located on the West Bank.
- Collected one soil gas sample on the East Bank, in the right of way of Thrive Foodery.

Institutional Controls

On March 15, 2024, the EPA, with WDNR concurrence, issued an ESD to document significant changes to the Site remedy by documenting the requirement to implement ICs. Areas that do not support

UU/UE and for which ICs are required, as well as what ICs have been implemented and what are planned for the Site, are noted in the Table 2 below. Maps that depict the current conditions of the Site and areas that do not allow for UU/UE will be developed as part of the required IC evaluation activities.

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)
East Bank soils near the former loading dock and Wisconsin River at former Wausau Chemical property and James E. Cherwinka properties treated with SVE	Yes	Yes	291-2907-252-0987	Restrict water supply well installation; restrict cultivation of agricultural crops; require investigation, notification, and management of contaminated soils below the Wausau Chemical Corporation building; maintain the existing pavement barrier; properly sample and manage soil grids 19-4 and 35-7 if buildings or improvements occur on them; and require industrial (non- residential and non- commercial) use only.	Deed Restriction Doc No. 1475599 April 26 th , 2007 & Deed Restriction Doc No. 1507947 April 18 th , 2008 (WDNR, 2008)
Impacted groundwater in the City of Wausau	Yes	Yes	The City of Wausau	Prohibit residential use; prohibit well installation	Wausau Ordinance 61-4988 Municipal Code Chapters 23.02.92 and 19.30
Soils on the West Bank with remaining TCE contamination	Yes	Yes	Areas within three parcels 291-2907- 234-0996; 291- 2907-234-0997; and 291-2907-234- 0998	Restrict water supply well installation; restrict cultivation of agricultural crops; require investigation, notification, and management of contaminated soils	Deed Restrictions (planned)

Table 2: Summary of Planned and/or Implemented ICs

				holow the presenting	
				below the properties;	
				maintain the existing	
				pavement barrier;	
				properly sample and	
				manage soils if buildings	
				or improvements occur	
				on them; and require	
				industrial (non-	
				residential and non-	
				commercial) use only.	
				Destrict installation of	Wausau Ordinance 61-4988 Municipal
			Groundwater at	Restrict installation of	Code
Groundwater at the	.,		the Site that does	groundwater water	Chapters
Site	Yes	Yes	not meet MCLs and	wells except for the	23.02.92
			ESs	purpose of monitoring and remediation.	and 19.30
					WDNR Continuing Obligations
					(planned)
				The planned ICs will	
			Other areas with	include:	
			soil contamination	Notify as well as restrict	
			present above	certain activities (e.g.,	WDNR
Soils at the Site	Yes Yes	Yes	UU/UE, including	prohibition of digging or	Obligations
			those identified	grading) that pose the	Obligations (alexand)
			after a detailed	risk of human exposure	(planned)
			evaluation	to subterranean	
				contamination.	
				All structures or	
				buildings with	
				unacceptable VI risk	
				must include VI	
				mitigation systems that	
				are fully protective. The	
			Enclosed spaces or	ICs will also restrict	
			huildings within	building use (i.e. no	WDNR
Indoor air and vapors	Yes	Yes	the vicinity of	residential use) in	Continuing
at the Site	103	103	contaminated soils	specific areas of the Site	Obligations
			or groundwater	or may require further	(planned)
			or groundwater	active remodiation of	
				contamination before	
				any enclosed space or	
				any enclosed space of	
				Dunuing can be erected.	
				Overall, the VIICS WIII	
				ensure that no buildings	

or enclosed spaces are
occupied until the
property owner has
properly evaluated VI
and addressed any
possible risks to human
health.

Status of Access Restrictions and ICs:

Although not called for in decision documents, the 1991 CD requires that Notices of the CD be filed in the chain of title with the Office of the Register of Deeds, Marathon County. Such notices must be filed for each parcel of the Site owned by the PRPs, including parcels where source areas of contamination are located and parcels where physical components of the remedial action will be or are located. The required deed notices were recorded after 2019 when the East Bank properties were transferred to the City.

As part of the SVE closure process in 2007, WDNR required deed restrictions to be placed on two parcels which have since been combined into a single parcel (See Table 2) that encompass the Wausau Chemical Co. and east bank of the Wisconsin River. Similarly, WDNR required deed restrictions to be added to the former Marathon Electric Corporation property on the West Bank following SVE soil remediation. However, the Marathon Electric Corporation property deed restriction was never finalized or recorded. The lack of IC will be addressed by planned follow up actions detailed below.

The existing Wausau Municipal Code contains a Wellhead Protection ordinance in Chapter 23.02.92 that restricts specific activities in areas near municipal drinking water wells that may result in groundwater contamination. The Municipal Code also includes a provision to regulate Private Water Wells in Chapter 19.30 that regulates the construction and continued use of private wells within the City where public water service is provided to prevent contamination of groundwater. Under Wausau's City Code, the City has authority to deny site plan applications that include groundwater wells. The City also has the authority to regulate installation of groundwater wells and to require abandonment of existing groundwater wells.

Wausau Municipal Code Chapter 19.3 can currently be found at

https://library.municode.com/wi/wausau/codes/code of ordinances?nodeId=TIT19PL CH19.30PRWA WE and Chapter 23.02.92 can currently be found at

https://library.municode.com/wi/wausau/codes/code_of_ordinances?nodeId=TIT23ZO_ARTIIESZODI_23.02.92WEHEPROVZODI .

The Wausau Chemical Co. and Marathon Electric Corporation properties are also zoned for industrial purposes by the City. This zoning dictates the acceptable land use for both these properties and is a type of governmental IC.

Current Compliance:

Based on inspections and interviews, the EPA is not aware of current Site or media uses that are inconsistent with the stated objectives required by the existing or planned ICs. The Wausau Chemical Co. property was sold to the City, and the property is currently not in use. Furthermore, the existing deed restrictions on the East Bank also appear to be functioning as intended as determined by annual

inspections. Although ICs have not been implemented on the West Bank, the EPA and the PRPs routinely visit the West Bank during the course of ongoing remedial activities and have not observed any Site uses or activities that are inconsistent with the stated requirements of planned ICs.

IC Follow up Actions Needed:

To ensure that effective ICs are implemented, monitored, maintained, and enforced, the PRPs must submit to the EPA and WDNR an ICIAP, which includes an LTS plan attachment, that follows the requirements set forth in the 2024 ESD. The ESD ICs requirements include, but are not limited, to the following:

- prohibit on-site groundwater well installation for any purpose except monitoring and remediation;
- carry out a detailed evaluation of historical soil sampling results and collection and analysis of additional soil samples to determine the precise locations where exposure to soils presents a threat to human health or the environment or are above levels that allow for UU/UE;
- apply soil ICs that include notifications systems, as well as restrictions on activities (e.g., prohibition of digging or grading) that pose the risk of human exposure to subterranean contamination;
- determine the precise locations where VI ICs are required via an extensive review of all current and future environmental sampling reports;
- require all proposed or newly constructed structures or buildings to be sampled and assessed for VI risk;
- include VI mitigation systems that are fully protective of human health in all structures or buildings with unacceptable VI risk;
- restrict building use (i.e. no residential use) in specific areas of the Site and ensure no buildings or enclosed spaces are occupied until VI has been properly evaluated and any potential risks to human health have been addressed;
- develop an ICIAP, which includes LTS components such as a plan to establish communication between the EPA, WDNR, the City, and Marathon County Health Department;
- evaluate Site conditions to ensure the remedy remains protective and, if necessary, reinforce, expand, or add ICs to ensure long-term protectiveness at the Site.

Based on the above requirements, the PRPs need to perform reviews and/or additional studies to determine where ICs are necessary based on contamination present at levels that do not allow for UU/UE. These actions will then culminate in submission of an ICIAP, which includes LTS procedures, to the EPA and WDNR for review and approval, and implementation of deed restrictions on the West Bank properties identified following SVE permanent shutdown. An LTS Plan will be developed in the ICIAP that includes procedures to ensure long-term ICs stewardship, such as regular inspection of ICs at the Site and certification to the EPA that the ICs are in place and effective. Additionally, the EPA will explore use of a communications plan along with an update to WDNR's Continuing Obligations for LTS. Any other ICs identified as needed based on the additional PRP studies and submitted ICIAP and LTS Plans also will need to be implemented. WDNR will issue a Continuing Obligations letter. Continuing

Obligations are legal requirements under section 292.12 of the Wisconsin Statutes designed to protect public health and the environment when contamination remains on a property. Continuing Obligations still apply after a property is sold and require each new owner to comply with the Continuing Obligations.

Systems Operations/Operation & Maintenance

O&M site activities consist of operating and maintaining the City production wells, groundwater monitoring wells, and the annual inspection of the paved surfaces near the East Bank source area. The City's treatment plant with air strippers regularly operates as an integral part of the City's municipal groundwater system, and the groundwater treatment system must be regularly maintained. The Groundwater Monitoring Plan requires an Annual Monitoring Report (AMR) be provided to the EPA and WDNR that contains information on the activities that occurred the previous calendar year (CRA, 2000). Since the last FYR, no modifications were made to the monitoring program.

The City has operated its Production Wells throughout the time periods covered by this review. Drinking water is monitored at the City Water Utility to ensure that the air strippers are efficiently removing the VOCs and that the water meets the performance standards. The City officials conduct tests of the treated water as it leaves the plant after the wells have been run for a few hours. The test results can be found on the WDNR website at: https://airapps.dnr.wi.gov/dwsportalpub (enter Wausau Waterworks for the name under Find Public Water Systems).

Recommended pumping rates for CW3 and CW6 were established in an August 4, 1995, letter from the EPA to ensure appropriate capture of the plumes. In accordance with the letter, pumping of CW3 (on the East Bank) was to be maintained between 65 hours per week at 1,200 gallons per minute (gpm) to 100 hours per week at 1,100 gpm. Pumping of CW6 (on the West Bank) was set at 85 hours per week at 1,400 gpm. CW3 and CW6 generally operate on alternate weekly schedules where CW6 operates on the weekdays and CW3 operates more on the weekends.

During 2023, CW3 operated for an average of 62.7 hours per week with an average pumping rate of 1,448 gpm, operating at approximately 92.4% of the total required gallons based on the 1995 EPA pumping requirements. As CW3 was offline for part of the month of August for repairs, these numbers are slightly lower than usual. CW6 pumped an average of 100.0 hours per week with an average pumping rate of 1,068 gpm. Although well rehabilitation is conducted on a regular basis, CW6 is no longer capable of pumping at the prescribed rate of 1,400 gpm. The total volume of groundwater (332,954,400) pumped by CW6 during 2023 was 89.7% of the EPA recommended volume of 371,280,000 gallons/year.

EW1 has been abandoned since the 2020 FYR. A new water treatment facility which utilizes GAC filtration as a treatment step to remove PFAS was built in 2022. Both of these actions were approved by the EPA and WDNR. An expanded GAC treatment for PFAS came online on 11/14/2024.

All Site monitoring wells are inspected each year. Inspection forms are used to document the well condition. Also, at least once every five years, the PRPs conduct a well survey to determine if any new wells exist in the area of the Site and inspect the asphalt parking lot covering the old landfill on the

Marathon Electric property in accordance with the Maintenance Plan required by WDNR during the landfill closure. No new wells were found during the most recent well survey.

The 2006 Pavement Cover and Building Barrier Maintenance Plan relates to the existing slab-on-grade building and other paved surfaces occupying the area over the contaminated soil on-Site (CRA, 2006). While the PRP group does an annual inspection as required by the maintenance plan, heavy degradation of the asphalt parking lot monitored by this maintenance plan has been noted on multiple occasions in the past without proper follow-up maintenance. The EPA will work with WDNR to ensure that this issue is remedied in accordance with the Pavement Cover and Building Barrier Maintenance Plan and an Issue and Recommendation has been included in this FYR to address the damage.

The groundwater O&M plan for the groundwater extraction treatment and discharge remedy has not been updated or amended since 1990 despite several changes to the system, including EW1 shutdown (CRA, 1990). Further, a site-wide O&M Plan that addresses all ongoing required monitoring does not exist. An updated and comprehensive Site-wide O&M plan that also includes current groundwater O&M procedures should be submitted to the EPA for approval.

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.

OU #	Protectiveness Determination	Protectiveness Statement
OU1/OU2/Sitewide	Protectiveness Deferred	A protectiveness determination of the remedy for the Wausau
		Ground Water Contamination Site cannot be made at this time until further information is obtained. Further information will be obtained by taking the following action: Complete additional VI assessments. It is expected that this action will take approximately two years to complete, at which time a protectiveness determination will be made.

Table 3: Protectiveness Determinations/Statements from the 2020 FYR

Table 4: Status of Recommendations from the 2020 FYR

				Current	Completion
OU #	Issue	Recommendations	Current	Implementation	Date (if
			Status	Status Description	applicable)
OU1/OU2/Sitewide	Potential vapor	Complete a vapor	Ongoing	A VI Evaluation	NA
	intrusion pathway	intrusion		Work Plan	
	requires	assessment		Addendum was	
	assessment			submitted by the	
				PRP which EPA	
				approved on	
				March 3, 2023	
				(EPA, 2023). Due	
				to additional tasks	
				required related to	

				the VI work. a	
				second addendum	
				was submitted	
				was submitted	
				and approved on	
				August 23, 2023	
				(EPA <i>,</i> 2023). VI	
				sampling on the	
				West Bank is	
				ongoing.	
OU1/OU2/Sitewide	Effective ICs must	EPA/State	Completed	ICs were	3/15/2024
	be implemented	complete ICs		evaluated and IC	
		evaluation: PRPs		requirements	
		will implement any		were documented	
		additional ICs		in the signed 2024	
		needed		FSD.	
0111/0112/Sitewide	Effective ICs must	FPA/State	Completed	FPA signed an FSD	3/15/2024
001/002/Sitewide	he implemented	complete ICs	completed	on 3/15/2024 to	5/15/2024
	be implemented	evaluation: WDNR		include Continuing	
		will implement		Obligations letters	
		continuing		as part of the	
		obligations		as part of the	
		Consideration will		for the Site	
		Consideration will		Tor the Site.	
		be given to		However, the	
		Instituting other		Continuing	
		ICs if needed.		Obligations and	
				any other ICs that	
				are needed	
				remain to be	
				implemented.	
OU1/OU2/Sitewide	O&M Plan must be	A LTS Plan must be	Considered	EPA signed an ESD	3/15/2024
	updated and	developed and	But Not	on 3/15/2024 to	
	monitoring,	implemented. The	Implemented	require the PRPs	
	maintenance, and	O&M plan must be		to develop an	
	enforcement of ICs	updated		ICIAP and LTS plan	
	is required			instead.	
OU1/OU2/Sitewide	Remedy decision	Modify remedy	Completed	FPA with State	3/15/2024
001/002/Sitewide	documents are not	decision	completed	consultation	5/15/2024
	clear regarding	documents to		issued an ESD on	
	ciedi regarung	addross those		$\frac{2}{15}$	
	The desision	audress these		5/15/2024 l0	
	desuments de not	issues.		require ics in	
				areas where	
	specifically state			contaminants are	
	whether the			above UU/UE, and	
	cleanup standards			the development	
	will allow for			of an ICIAP and	
	UU/UE, whether			LTS procedures.	
	ICs are required to				

	ensure long-term				
	protectiveness,				
	and when remedy				
	, modifications are				
	acceptable				
OU1/OU2/Sitewide	Several remedy	EPA/WDNR must	Completed	The two proposed	11/19/2021
	operation ,	review these		modifications	, , , -
	modification	proposals and		were approved in	
	requests have	either approve		2021. (EPA.	
	been submitted	them. request		2021)(EPA, 2021)	
	for approval to	additional		/	
	EPA and WDNR.	information. or			
	These include	deny these			
	permanently	, requests, and			
	shutting down	determine if any			
	EW1 and allowing	formal remedy			
	the shutdown of	, modifications are			
	the air stripper for	needed in the			
	CW3, which is	decision			
	associated with	documents.			
	the planned move				
	of the municipal				
	water treatment				
	plant				
OU1/OU2/Sitewide	Remedy decision	EPA/WDNR must	Considered	See Explanation	NA
OU1/OU2/Sitewide	Remedy decision documents are not	EPA/WDNR must determine what	Considered But Not	See Explanation below titled	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the	EPA/WDNR must determine what additional	Considered But Not Implemented	See Explanation below titled Recommendation	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover	EPA/WDNR must determine what additional measures are	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for	EPA/WDNR must determine what additional measures are necessary for the	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for the old landfill.	EPA/WDNR must determine what additional measures are necessary for the old landfill to	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for the old landfill. The landfill is	EPA/WDNR must determine what additional measures are necessary for the old landfill to ensure the remedy	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for the old landfill. The landfill is covered mostly	EPA/WDNR must determine what additional measures are necessary for the old landfill to ensure the remedy is protective in the	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for the old landfill. The landfill is covered mostly with asphalt	EPA/WDNR must determine what additional measures are necessary for the old landfill to ensure the remedy is protective in the long-term and	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for the old landfill. The landfill is covered mostly with asphalt paving materials	EPA/WDNR must determine what additional measures are necessary for the old landfill to ensure the remedy is protective in the long-term and modify the	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for the old landfill. The landfill is covered mostly with asphalt paving materials which do not	EPA/WDNR must determine what additional measures are necessary for the old landfill to ensure the remedy is protective in the long-term and modify the decision	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for the old landfill. The landfill is covered mostly with asphalt paving materials which do not successfully	EPA/WDNR must determine what additional measures are necessary for the old landfill to ensure the remedy is protective in the long-term and modify the decision documents to	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for the old landfill. The landfill is covered mostly with asphalt paving materials which do not successfully prevent the	EPA/WDNR must determine what additional measures are necessary for the old landfill to ensure the remedy is protective in the long-term and modify the decision documents to include these	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for the old landfill. The landfill is covered mostly with asphalt paving materials which do not successfully prevent the infiltration of	EPA/WDNR must determine what additional measures are necessary for the old landfill to ensure the remedy is protective in the long-term and modify the decision documents to include these remedies to	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for the old landfill. The landfill is covered mostly with asphalt paving materials which do not successfully prevent the infiltration of precipitation,	EPA/WDNR must determine what additional measures are necessary for the old landfill to ensure the remedy is protective in the long-term and modify the decision documents to include these remedies to ensure prevention	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for the old landfill. The landfill is covered mostly with asphalt paving materials which do not successfully prevent the infiltration of precipitation, which may cause	EPA/WDNR must determine what additional measures are necessary for the old landfill to ensure the remedy is protective in the long-term and modify the decision documents to include these remedies to ensure prevention of infiltration of	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for the old landfill. The landfill is covered mostly with asphalt paving materials which do not successfully prevent the infiltration of precipitation, which may cause more groundwater	EPA/WDNR must determine what additional measures are necessary for the old landfill to ensure the remedy is protective in the long-term and modify the decision documents to include these remedies to ensure prevention of infiltration of precipitation.	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for the old landfill. The landfill is covered mostly with asphalt paving materials which do not successfully prevent the infiltration of precipitation, which may cause more groundwater contamination.	EPA/WDNR must determine what additional measures are necessary for the old landfill to ensure the remedy is protective in the long-term and modify the decision documents to include these remedies to ensure prevention of infiltration of precipitation.	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for the old landfill. The landfill is covered mostly with asphalt paving materials which do not successfully prevent the infiltration of precipitation, which may cause more groundwater contamination. The landfill cover	EPA/WDNR must determine what additional measures are necessary for the old landfill to ensure the remedy is protective in the long-term and modify the decision documents to include these remedies to ensure prevention of infiltration of precipitation.	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for the old landfill. The landfill is covered mostly with asphalt paving materials which do not successfully prevent the infiltration of precipitation, which may cause more groundwater contamination. The landfill cover must be improved	EPA/WDNR must determine what additional measures are necessary for the old landfill to ensure the remedy is protective in the long-term and modify the decision documents to include these remedies to ensure prevention of infiltration of precipitation.	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for the old landfill. The landfill is covered mostly with asphalt paving materials which do not successfully prevent the infiltration of precipitation, which may cause more groundwater contamination. The landfill cover must be improved and placed on a	EPA/WDNR must determine what additional measures are necessary for the old landfill to ensure the remedy is protective in the long-term and modify the decision documents to include these remedies to ensure prevention of infiltration of precipitation.	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for the old landfill. The landfill is covered mostly with asphalt paving materials which do not successfully prevent the infiltration of precipitation, which may cause more groundwater contamination. The landfill cover must be improved and placed on a regular	EPA/WDNR must determine what additional measures are necessary for the old landfill to ensure the remedy is protective in the long-term and modify the decision documents to include these remedies to ensure prevention of infiltration of precipitation.	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA
OU1/OU2/Sitewide	Remedy decision documents are not clear regarding the remedy cover requirements for the old landfill. The landfill is covered mostly with asphalt paving materials which do not successfully prevent the infiltration of precipitation, which may cause more groundwater contamination. The landfill cover must be improved and placed on a regular maintenance	EPA/WDNR must determine what additional measures are necessary for the old landfill to ensure the remedy is protective in the long-term and modify the decision documents to include these remedies to ensure prevention of infiltration of precipitation.	Considered But Not Implemented	See Explanation below titled Recommendation 7 – Landfill Cover	NA

Recommendation 7 – Landfill Cover

The remedial investigation identified contaminants above RSLs in the landfill areas, namely PAHs, PCBs, pentachlorophenol (PCP), and lead. When the EPA determined exposure pathways, surface soils were not considered health risks due to the assumptions that surface soil contamination came from urban sources (e.g. parking lots and roadways). Additionally, subsurface soil contamination was not considered for health risks due to the presence of an intact paved lot over the old landfill and 1-2 feet of clean fill. These decisions were also made under the assumptions that any excavation activities on the site would be done with proper worker personal protective equipment (PPE), and the parking lot would be maintained or replaced with a replacement surface cover in the event of its removal (Warzyn, 1989).

However, data gaps in the RI along with new toxicological and analytical information have been identified since the 1989 RI. For example, the long-term ecological risks of PAHs, PCBs, PCP, and/or lead soil leachate reaching the Wisconsin River through infiltration of precipitation and runoff into the river were not considered. Also, the detection limit for Benzo(a)pyrene at the time of sampling was 10 μ g/L, which is above the current MCL; thus, the detection limit was too high to determine whether groundwater concentrations pose a risk to human health or the environment based on new toxicological and analytical information. Finally, EW1 pumped groundwater, which contained soil leachate, from the landfill area into the Wisconsin River using a treatment technology that would not abate concentrations of contaminants that pose an ecological and human health concern including PAHs, PCBs, or PCP.

Upon review, an EPA toxicologist recommended against making decisions with data that is beyond thirty years old and so has recommended additional sampling of volatile and semi-volatile compounds be performed across the landfill at various depths (both surface and subsurface) to understand if and where contaminants remain above screening levels and do not allow for UU/UE at the site (EPA, 2024). The need for an alternate landfill cover may be evaluated once additional data is available. Currently, portions of the parking lot that were being maintained during the RI have fallen into disrepair and the EPA has commented on the condition of the lot in multiple documents in the past. While there is a Pavement Cover and Building Barrier Maintenance Plan (WDNR, 2006) in effect for the site which says, "if problems are noted, repairs will be scheduled as soon as practical", no work has been done to fix the damaged area(s) of the lot.

IV. FIVE-YEAR REVIEW PROCESS

Community Notification, Involvement & Site Interviews

A public notice was made available via website update titled, "Public Notice: EPA Begins 7th Review of Wausau Groundwater Contamination Superfund Site" on 8/19/2024, stating that there was a FYR and inviting the public to submit any comments to the EPA. There was also an ad that ran in the Wausau Daily Herald titled, "EPA Begins 7th Review of Wausau Groundwater Contamination Site" to notify the public of the FYR (see Appendix F). No public comments were received during the review period. The results of the review and the report will be made available at the Site information repository located at the Marathon County Public Library, 300 N. First St. Wausau, and at the following website: www.epa.gov/superfund/wausau-groundwater.

During the FYR process, interviews were conducted to document any perceived problems or successes with the remedy that has been implemented to date. The results of these interviews are summarized below.

State Interview

The WDNR believes the PRP group is adequately responding to State and Federal feedback regarding assessing potential migration pathways and receptors to ensure the protection of human health and the environment. WDNR supports the ongoing VI investigations at the Site and has expressed concerns about increasing contaminant trends in groundwater after the decommissioning of EW1. WDNR supports the City's considerations of the potential redevelopment of the East Bank of the Site. WDNR is interested in working with the EPA to gain a better understanding of PFAS impacts at the Site. Community members have not contacted the WDNR with any concerns about the Site and WDNR has been kept informed by both the PRP group and the EPA about happenings at the site.

The full-length interview response is available in Appendix F.

Data Review

Groundwater remediation at the Wausau Site has been ongoing for over 25 years. Over the years, the concentrations of contaminants in groundwater have been reduced significantly. The aquifer has been monitored on a regular basis, in accordance with approved plans. Because of the time necessary to achieve groundwater clean-up goals, containment of contaminated groundwater is the primary measurable and achievable short-term objective, but the long-term objective is to achieve compliance with groundwater clean-up standards.

As described in greater detail below, there have been increases in TCE concentrations within the area of the former municipal landfill area on the West Bank. TCE concentrations have been decreasing steadily at CW6 and CW3. C3S had trichloromethane above the EPA and WDNR MCLs; this contaminant is not a COC for this site and was not detected above limits anywhere else on site. The Site was sampled for 1,4-dioxane in 2021, but 1,4-dioxane was not detected anywhere on site. The wells sampled were located on both the East Bank and West Bank and are indicated in Table 2.1 in Appendix B. PFAS has been sampled for in municipal wells and in treated water, although without an EPA approved QAPP, but has not been sampled for in monitoring wells at the Site.

Based on available data and the Site's hydrogeology, all contaminants are captured by CW6 and CW3. However, future remedy reviews will continue to evaluate this conclusion to ensure the remedy continues to contain contamination.

West Bank

The West Bank remediation program initially consisted of two extraction wells (EW1 and CW6). As discussed earlier, the remediation program on the West Bank now only consists of CW6 to capture the contaminant plume, which is then pumped through the air strippers and the City's municipal treatment plant. The other West Bank MW locations and the VOCs which are regularly sampled for each autumn

are shown in Table 2.1 from the 2023 Annual Monitoring Report (GHD, 2024) which can be found in Appendix B.

In addition, water level elevations are generally collected annually at the following locations: C3S, C4S, C6S, C7S, GM2S, GM4D, MW1A, MW3A, MW4A, MW7, R1D, R2D, R3D, R4D, W52, W53A, W54, W55, W56, W57, WSWD, CW9-OBS, City Wells CW6, CW9, CW10 and CW11 (if pumping). Groundwater contours from depth to water measurements collected in 2023 are presented in Figure 3 in Appendix B.

The primary chlorinated VOC found in the West Bank groundwater is TCE, which was detected at 11 of the 13 West Bank monitoring wells, plus City well CW6. Monitoring wells with TCE concentrations greater than the MCL of 5 μ g/L included R2D, W53A, W54, W55, and WSWD. The TCE concentration at CW6 is relatively stable at 2.7 μ g/L in 2023, 3.0 μ g/L in 2022, and 2.7 μ g/L in 2021, all below the MCL of 5 μ g/L.

The monitoring wells that exceeded the TCE MCL in the West Bank can be separated into two groups: those wells south of EW1, located on or adjacent to the former landfill on Marathon Electric Corporation property, and those wells north of EW1, downgradient of the former landfill in the direction of groundwater flow towards CW6 (see Figure 4 in Appendix B). Well EW1 had no VOC detections during the 2023 sampling event.

VOC contaminants are more prevalent south of EW1, in the shallower portion of the aquifer near the source area. Monitoring wells south of EW1 exceeding the MCL for TCE included W53A, W54, and WSWD with concentrations of 43 μ g/L, W54 140 μ g/L, and 32 μ g/L, respectively. TCE concentrations at W53A and W54 have exhibited substantial fluctuations since the shutdown of EW1 in 2012 (see the trend graphs in Appendix B). These fluctuations are typical of source area wells where increased precipitation and water level changes could have a localized effect on VOC concentrations in the groundwater. WSWD has been relatively stable, averaging around 30 μ g/L of TCE over the prior three annual events.

North of EW1, the West Bank plume is in the deeper portion of the aquifer. Monitoring wells north of EW1 that exceeded the MCL for TCE during the 2023 sampling event included R2D and W55; R2D had a concentration of 10.0 μ g/L, and W55 had a concentration of 17 μ g/L. R2D is a deep aquifer well approximately 150 feet north of the Marathon Electric Corporation property. Recent decreasing TCE concentrations north of EW1 indicate that, since EW1 stopped pumping, the plume remnant that was in a stagnation zone between EW1 and CW6 continues to migrate north to CW6. This conclusion that the plume remnant continues to migrate north is supported by generally increasing TCE concentrations at W55 since 2012 and generally decreasing concentrations at R3D and W52 (see these trend graphs in Appendix B). The TCE concentrations at R3D remain several orders of magnitude lower compared to data from 1999 through 2007, when concentrations ranged from 280 μ g/L to 1,800 μ g/L. Review of current data suggests that the remedy is still functioning as intended to capture the groundwater contamination plume.

C12DCE, a TCE degradation product, was detected at three locations in the West Bank, with no concentrations exceeding the cleanup standard of 70 μ g/L. Additionally, PCE was detected in well C3S

at very low concentrations not exceeding the MCL. VC was not detected in West Bank well samples. Overall, these results indicate a decrease in chlorinated VOC detections compared to historical data.

The overall extent and stability of the West Bank contaminant plume has not changed significantly since EW1 was shut down. Although there are some fluctuations within the source area itself, TCE and C12DCE were the only VOCs detected downgradient from the source area on the West Bank. These conclusions are supported because the approximate areas of TCE and C12DCE above MCLs is similar or smaller than in the past. Specifically, Figures 4 and 5 in Appendix B, which depict the TCE and C12DCE concentrations from 2023 respectively, and figures/graphs in Appendix B, which depict historical chlorinated VOC concentrations for select West Bank wells, provide data to support these conclusions.

<u>East Bank</u>

East Bank VOC data are presented in Table 4.1 in Appendix B. While PCE was the initial contaminant of concern on the East Bank, the presence of TCE, C12DCE, and VC at concentrations equal to or greater than PCE in some wells indicates an active natural biodegradation process is occurring, since TCE, C12DCE and VC are degradation or daughter products of PCE. For example, the TCE concentration at monitoring well WW6 was higher than the PCE concentration.

PCE and/or its daughter products were detected at 4 of the 9 East Bank monitoring wells. The four monitoring wells had concentrations that exceeded the MCL of at least one VOC. Exceedances of PCE were found in WC5A, WC3B, and 22A. Exceedances of VC were found in WC5A and 24AR.East Bank contaminant concentrations continue to progress as expected based on plume capture by CW3 and biodegradation of PCE into daughter products such as TCE and C12DCE. Concentrations in wells at or near the source are higher, concentrations in mid plume wells are lower, and concentrations of PCE biodegradation products like C12DCE are higher farther downgradient at WW6. A chart showing historical chlorinated VOC concentrations from CW3 located on the East Bank is presented in Appendix B. It should be noted that there is no change shown for 2023, as analytical data was not collected due to well repairs. Individual VOC concentrations for the shallow wells are presented for PCE, TCE, C12DCE, and VC on Figures 4 through 7 in Appendix B, respectively. Overall, the plume on the East Bank is stable and is contained by CW3 when operational.

East Bank Sub-slab and Indoor Air Sampling

Two small commercial properties were sampled for sub-slab and indoor air exceedances. Exterior soil gas sampling was conducted on 3/27/24 at a third business where indoor sampling access could not be obtained. No exceedances of calculated VI screening levels were found at any of the three small businesses sampled. The results of this testing can be found in Table 1 in Appendix B. The PRPs concluded no additional VI work was necessary for the East Bank. But, as indicated earlier, the EPA and WDNR are currently reviewing the East Bank data to decide whether additional VI evaluation is warranted.

West Bank Sub-slab and Indoor Air Sampling

Sampling on the West Bank was limited to the Marathon Electric properties. Four sampling events took place between March 2023 and March 2024; one sampling event in the winter and one event in the summer of each year. This sampling utilized twelve sub-slab locations and seven indoor air locations across the sampling events. Indoor air samples were only analyzed when the corresponding sub-slab reading exceeded Wisconsin's Large Industrial Sub Slab screening levels. There were also two soil gas probes installed on the west side of Marathon Electric Building B.

TCE was found to be above VI screening levels at multiple sub-slab points multiple times during this sampling period. There were 12 total samples which came back above Large Industrial screening levels which came from 7 unique points; these exceedances can be found in Figure 2.2 in Appendix B. Other contaminants were also discovered but were below their respective screening levels. Indoor air samples remained below the Large Industrial indoor action level of 8.8 ug/m³ except for the IA-02 sample taken on February 12, 2024, which came back at 214 µg/m3. Given indoor air sampling locations in close proximity to IA-02 were far lower in concentration, this sampling result indicates the exceedance may be due to transient and location-specific factors. This location was resampled on March 27, 2024 to determine whether the result was an abnormal, transient, fluctuation or a permanent change in indoor air quality. The results came back below the Large Industrial indoor action level, and the sampling results are shown in Tables 2 & 3 in Appendix B.

In response to the action level exceedance in February 2024, the EPA informed state and local health departments of the situation and required the PRPs to take actions to ensure building occupants are protected in the event that the indoor air remained unsafe in this location. These required actions included resampling the area, sectioning off the location of IA-02, and implementing training procedures to educate employees on the health risks of TCE. Additionally, Marathon Electric minimized the number of employees working in this area and restricted who could be working in Building B due to the risk TCE presents to pregnant people.

Soil gas samples were collected in August/September 2023 from two exterior temporary locations (SG-01 and SG-02) on the west side of Marathon Electric Building B to ensure TCE vapors are not traveling beneath the building towards residential properties. There were no analytical results from either location above the Large Commercial/Industrial Vapor Risk Screening Levels.

Preferential Pathway Assessment

Historical groundwater and VI analytical results indicate that contaminated utility conduits do not exist. There do not appear to be any direct connections between sewer/water mains and commercial or industrial buildings. On the West Bank, the residential area is upgradient from the Site and the groundwater depth is much lower than the East Bank, so no preferential pathway samples were collected. On the East Bank, there were three manhole locations sampled because of their proximity to residential homes and their location downgradient of the Site. Manhole vapor sampling was completed in March 2023, per the WDNR Guidance Document, and followed the recommended sampling method for manholes (WDNR, 2021).

Three manhole locations were sampled, and their locations are shown in Figure 3.1 in Appendix B. No VOC exceedances above the Indoor Air Vapor Action Level were detected.

Based on the VI Summary Report covering March 2023 – March 2024 (GHD, 2024), the PRPs recommend no additional VI evaluation or Preferential Pathway analysis to be done for the East Bank. The EPA is continuing to work on identifying and addressing possible VI source area soils through upcoming PRP sampling events. The sub-slab and indoor air results associated with the West Bank will be addressed by a VI monitoring program, which will be submitted to the EPA and WDNR in a separate submittal and will include periodic sampling at select locations to continue to monitor potential health risks.

Municipal Well PFAS sampling results

PFAS data discussed in this section has been obtained through the WDNR public drinking water system and not through an EPA approved Uniform Federal Policy for Quality Assurance Project Plans (UFP QAPP/QAPP) sampling plan. This FYR includes an Issue and Recommendation for further sampling to be conducted using an EPA approved QAPP. The EPA also plans to review the QAPP for water sampling used by the Wausau Water Works to see if it is comparable to a UFP QAPP and is therefore usable data for Superfund decision making.

PFAS testing of treated water by Wausau Water Works is performed regularly as part of State and Federal public water testing programs. Sampling results in August 2023 showed there were six PFAS compounds detected with the highest detections being for PFOA at 6.1 ng/L and N-ethylperfluorooctane sulfonamidoacetic acid (NEtFOSAA) at 4.7 ng/L. The sample results can be found in Appendix D. On August 29, 2023, the City of Wausau released a notice that in addition to their goal of keeping combined PFOA/PFOS levels below 20 ppt, they would also begin to include PFOSA, NEtFOSA, NEtFOSAA, and NEtFOSE (a group of PFAS chemicals that can breakdown into PFOS and PFOA) in the combined PFAS number per the request of the WDNR and Wisconsin Department of Health Services (WDHS). This notice went out shortly after a PFAS exceedance of 22.7 ppt occurred once the new compounds were included. This <u>notice</u> can be found in Appendix D.

Initial sampling in December 2024 of treated water leaving the system has shown non-detects for all PFAS compounds that were tested for. Monitoring to determine the effectiveness of the new GAC system should be included as part of their comprehensive Site-wide O&M plan updates.

The Wausau Water Works performs quarterly sampling for PFAS in the treated water that is being distributed to the municipality and the results can be found by going to: <u>https://apps.dnr.wi.gov/dwsportalpub/ContamResult/Search</u> and typing Wausau Waterworks into the PWS field as well as setting the DNR Sample type to PFAS at the bottom of the tool. PFAS have been found above current MCLs 9 times since monitoring began. PFOA was the source of all 9 instances of MCL exceedances. Appendix D shows a table with sampling results for multiple PFAS compounds, as well as charts showing sampling results over time.

Site Inspection

The inspection of the Site was conducted on 8/12/2024 and can be found in Appendix E. In attendance were David Michael Holt III and Katherine Thomas of the EPA; Jane Gray of the WDNR; OJ Ojinaga, Matt Groves, and Ryan Aamot of GHD; Jacob Holty of Marathon Electric Corporation; and Kevin Fabel of the City. The purpose of the inspection was to assess the protectiveness of the remedy. Interviews were conducted with Marathon Electric Corporation and the City onsite. WDNR provided their responses via email and can be found in Appendix F.

The group toured the Site on both sides of the river and inspected areas inside of the Marathon Electric Corporation facility to better determine how to proceed with VI sampling work currently underway. On the West Bank, the group noted that the asphalt parking lot still had cracks and extensive damage, which reduces its ability to act as a barrier to infiltration. The EPA has raised the issue of the integrity of the parking lot in previous FYRs. Due to the lack of action by PRPs when this issue has been raised in the past, the EPA has included the repair of the asphalt cap as an Issue and Recommendation in this FYR. CW6 was inspected and looked to be in good order.

Interest in the redevelopment of the East Bank in the area where the old Wausau Chemical Co. building was shared among the group. The Wausau Chemical Co. building looked well maintained and had little evidence of trespassing. CW3 was inspected by the group and the City explained their historic issues with maintaining the extraction pump. These issues are overall related to the age of the pump causing expensive maintenance to be performed. WDNR and the EPA received a request for a change to the operations of CW3 in 2020 and are in the process of drafting a response. The City should prepare for the possible outcome of needing to replace the production well. A tour of the Wausau Water Works treatment facility occurred as well with everything looking to be in good working order. Monitoring wells which were observed seemed to be in good working order, although some were noted to be a bit overgrown by vegetation at the time of the Site Inspection.

V. TECHNICAL ASSESSMENT

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

Question A Summary:

Yes. The remedy is functioning as intended by the 1988 interim ROD and 1989 ROD. However, the recently published 2024 ESD clarifies that significant changes related to ICs are required at the Site to ensure the remedy's long-term protectiveness and planned actions are underway to implement components of the 2024 ESD as well.

Implementation of Institutional Controls and Other Measures

As detailed above, the 2024 ESD requires implementation of WDNR Continuing Obligations as ICs at the Site along with other ICs that limit exposure and risk from contaminated groundwater, soil, and air. It is expected that the additional ICs required by the 2024 ESD will be implemented by 12/31/2027 as seen in the Issues and Recommendations section below.

The ICs which are currently in place include: restrictions on water supply well installation and other uses of the area on the East Bank where the SVE system had historically operated and the prohibition

of residential well use or installation in the City. The EPA believes that these have been implemented effectively, but per the 2024 ESD, further action is necessary.

Remedial Action Performance

Since the beginning of remedial actions at the Site, VOC concentrations have been reduced significantly. Contaminant plumes are currently stable, and groundwater contamination is effectively contained by the current remedy. This Site is on track to achieve cleanup goals. However, the issue of the inadequate landfill cover brought up in the previous FYR remains an issue at the Site. The landfill cover is not included as a remedy component in the decision documents, nor is there an RAO for preventing infiltration of precipitation into the landfill. Remedy performance information and lack of maintenance since the previous FYR seems to suggest a remedy component addressing the landfill cover may need to be included in a decision document.

Systems Operations/O&M

O&M activities consist of operating and maintaining the City production wells, groundwater monitoring wells, and the annual inspection of the paved surfaces near the East Bank source area. This Site does not currently have a Site-wide O&M plan and the current groundwater monitoring plan should be updated. Therefore, PRPs should update the groundwater monitoring plan and include it in a Site-wide O&M plan. The City of Wausau's treatment plant with air strippers regularly operates as an integral part of the City's municipal groundwater system, and the groundwater treatment system must be regularly maintained. No operational shortcomings have been reported to or found by the EPA since the opening of the Wausau Water Works treatment plant in 2022. The Groundwater Monitoring Plan requires an AMR be provided to the EPA and WDNR that contains information on the activities that occurred the previous calendar year. The previous FYR indicated that a final decision about whether EW1 shutdown was to be allowed would come soon after its publication. The EPA approved the shutdown of EW1 on 11/19/2021. CW3 is a historic well which the City has stated requires frequent and expensive maintenance. While the EPA and WDNR deliberate on what the proper next steps for the future of CW3 are, the City should prepare for the possibility of fully replacing CW3.

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?

Question B Summary:

No, the exposure assumptions and toxicity data used at the time of the remedy selection are not still valid.

Vapor Intrusion

Vapor intrusion remains an issue at this Site, specifically on the West Bank. While VI data has been collected multiple times; additional sampling needs to occur to determine if there are unknown source areas which could be leading to the increased sub-slab detections which have been discovered at the Marathon Electric property.

While there has only been one sub-slab exceedance that was combined with an indoor air exceedance, this instance showed very high levels of VOCs in indoor air. This issue was swiftly addressed by the proper authorities and is discussed previously in this FYR. Soon after this exceedance an additional subslab and indoor air paired sample was taken, and indoor air levels were again at allowable levels. Once a VI investigation is fully completed then the EPA will be able to create a decision document to address the VI concerns present at the Site.

Changes in Exposure Pathways

PFAS are newly identified contaminants that potentially pose a risk to human health or the environment via Site groundwater to municipal drinking water wells. Additional sampling for PFAS is needed to determine if the PFAS present is site-related, and if so, whether the Site remedy remains protective of human health and the environment. The potential exposure pathway remains the same – ingestion of contaminated drinking water – but the EPA needs to now evaluate the impact of the newly identified PFAS.

If PFAS is determined to be site-related, the remedy selection may need to be updated to ensure that human health and the environment are protected from PFAS which has been found in the groundwater at the Site, untreated municipal drinking water city wells, and treated municipal drinking water. On April 10, 2024, EPA added six perfluoroalkyl substances (PFAS) to the National Primary Drinking Water Regulations and established MCLs. The MCLs can be found in Table 5 below. These contaminants are commonly found in numerous hazardous and non-hazardous wastes since the 1950's including chemical wastes and aqueous film forming foam (AFFF). There is PFOA and PFOS contamination at the Site in all municipal drinking water wells, which are remedy components. Chemical releases occurred at the Site and AFFF may have been used in fire suppression systems at the Site. Sampling for PFAS in both monitoring wells and in water being distributed by the Wausau Water Works using an EPA approved QAPP is required to determine if PFAS is site-related and whether the Site remedy remains protective of human health and the environment.

In 2021, the City modified its groundwater extraction and treatment system when it began construction of a new water treatment facility that includes ion exchange resin and GAC treatments to address PFAS. The new treatment facility was completed in 2022. GAC treatment to address PFAS in municipal water came into effect in November 2024. Sampling in December 2024 of treated water leaving the system has shown non-detects for all PFAS compounds that were tested for. Monitoring to determine the effectiveness of the new GAC system should be included as part of their comprehensive Site-wide O&M plan updates.

Final MCLG	Final MCL (enforceable levels)
Zero	4.0 parts per trillion (ppt) (also expressed as ng/L)
Zero	4.0 ppt
10 ppt	10 ppt
10 ppt	10 ppt
10 ppt	10 ppt
1 (unitless)	1 (unitless)
Hazard Index	Hazard Index
	Final MCLG Zero Zero 10 ppt 10 ppt 10 ppt 1 (unitless) Hazard Index

Table 5: PFAS MCLGs and MCLs

Expected Progress Towards Meeting RAOs

PFAS contamination at the Site impacts the expected progress towards meeting Site RAOs. Specifically, progress towards meeting the Site RAO for OU1, "protection from future increased levels of contamination to the West Well Field" is greatly affected by the presence of PFAS contamination. The remedy has been focused on addressing VOC contamination in drinking water. Due to the chemical and regulatory differences between VOCs and PFAS, maintaining compliance with PFAS MCLs may require significant or fundamental changes to the Site's remedy to ensure progress is made towards meeting Site RAOs.

The EPA has issued CERCLA 104(e) Information Requests to local companies regarding PFAS to determine the potential sources of PFAS contamination at the Site. The EPA is currently reviewing responses from the Information Requests.

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

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

VI. ISSUES/RECOMMENDATIONS

Issues/Recommendations

OU(s) without Issues/Recommendations Identified in the Five-Year Review:

None

Issues and Recommendations Identified in the Five-Year Review:

OU(s): 1 and 2	Issue Category: Operations and Maintenance			
	Issue: The O&M plan for the groundwater remedy at the site has not been updated since 1990 and requires modifications, and a Site-wide O&M plan that addresses all ongoing required monitoring (e.g., ICs) does not exist.			
	Recommendation: The PRPs must submit a Site-wide O&M plan for all ongoing required site monitoring, including current groundwater remedy O&M procedures, to EPA for approval.			
Affect Current Protectiveness	Affect Future Protectiveness	Party Responsible	Oversight Party	Milestone Date

No	Yes	PRP	EPA	12/31/2027
OU(s): 1 and 2	Issue Category: Remedy Performance			
	Issue: Sampling data/studies, risk assessment and soil cleanup levels are needed to determine what areas of the west bank are not UU/UE and need ICs.			
	Recommendation: Perform additional sampling/studies, risk assessment and establish soil cleanup levels to determine what areas of the west bank are not UU/UE and need ICs.			
Affect Current Protectiveness	Affect Future Protectiveness	Party Responsible	Oversight Party	Milestone Date
No	Yes	PRP	EPA/State	12/31/2027

OU(s): 1 and 2	Issue Category: Operations and Maintenance			
Issue: Damage to asphalt cap on Marathon Electric property has been n for multiple years and never addressed per the Pavement and Building E Maintenance Plan.				
	Recommendation: Repair damaged/destroyed asphalt areas on the Marathon Electric property.			
Affect Current Protectiveness	Affect Future Protectiveness	Party Responsible	Oversight Party	Milestone Date
No	Yes	PRP	EPA/State	12/31/2025

OU(s): 1 and 2	Issue Category: Monitoring
	Issue: PFAS has been detected in municipal water wells, and, sporadically, in finished drinking water. However, the sampling done so far has not been done under an EPA approved QAPP.

	Recommendation: Conduct Site-wide PFAS sampling in groundwater as well as other media, as appropriate, under an EPA approved QAPP.			
Affect Current Protectiveness	Affect Future ProtectivenessParty ResponsibleOversight PartyMilestone Date			
No	Yes	PRP	EPA	12/31/2027

OU(s): 1 and 2	Issue Category: Remedy Performance			
	Issue: Potential VI pathway exists in areas that are not expected based on groundwater VOC plume extent.			
	Recommendation: Complete a VI assessment including, but not limited to, source soil investigation, preferential pathway identification, and comprehensive indoor air and sub-slab sampling.			
Affect Current Protectiveness	Affect Future Protectiveness	Party Responsible	Oversight Party	Milestone Date
Yes	Yes	PRP	EPA/State	12/31/2027

OTHER FINDINGS

In addition, the following are recommendations that were identified during the FYR but do not affect current or future protectiveness:

- Currently CW3 has been operating effectively as intended but the city has identified that long term O&M costs could become burdensome. City should begin preparing for the chance that the well will need to be replaced.
- The UFP-QAPP should be updated to include PFAS sampling for monitoring wells, municipal wells, the Wausau Water Works, and in the Wisconsin River.

VII. PROTECTIVENESS STATEMENT

OU1, OU2, & Sitewide Protectiveness Statement				
Protectiveness Determination: Protectiveness Deferred	Planned Addendum Completion Date: 12/31/2028			
<i>Protectiveness Statement:</i> A protectiveness determination of the remedy at the Wausau Groundwater Superfund Site cannot be made at this time until further information is obtained. Further information will be obtained by taking the following actions: complete a VI				

assessment including, but not limited to, source soil investigation, preferential pathway identification, and comprehensive indoor air and sub-slab sampling. It is expected that these actions should take approximately three years to complete, at which time a protectiveness determination will be made.

VIII. NEXT REVIEW

The next FYR report for the Wausau Groundwater Superfund Site is required five years from the completion date of this review.

APPENDIX A – REFERENCE LIST

The Site's Administrative Record can be found at the following link: <u>https://cumulis.epa.gov/supercpad/SiteProfiles/index.cfm?fuseaction=second.ars&id=0505186&doc=Y</u> <u>&colid=4756®ion=05&type=AR</u>

References are listed by order of appearance within this FYR document and in the following format: Author listed in SEMS, **Document date in SEMS**; *Document Title in SEMS*; (Document ID# in SEMS)

Warzyn Inc, **7/1/1989**; *Remedial Investigation (RI) Report – Report, Tables & Figures – Vol 1*; (IDs 225515, 225516, 225517)

EPA, **12/23/1988**; *Record of Decision (ROD) (Signed) – Selected Interim Remedial Alternative*; (ID 225484)

EPA, 9/8/1989; Consent Decree (CD); (ID 155245)

EPA, **9/29/1989**; *Record of Decision (ROD) (Signed) – Wausau Groundwater Contamination*; (ID 209626)

CRA Inc, **3/1/1990**; *Final Remedial Action Plan (RAP) – Groundwater Extraction Treatment & Discharge System*; (ID 278315)

CRA Inc, **12/01/1990**; CRA INC - OPERATION & MAINTENANCE - GROUNDWATER EXTRACTION TREATMENT & DISCHARGE SYSTEM; (ID 278325)

EPA; 1/24/1991; Consent Decree (CD) (Signed); (ID 155306)

EPA, 3/18/1994; Preliminary Close-Out Report; (ID 321826)

CRA Inc, 7/6/1994; Soil Vapor Extraction System Construction Completion Report; (ID 278318)

CRA Inc, 2/1/1996; SVE System Performance Evaluation Report – Mid Point of Operations; (ID 278316)

CRA Inc, **6/29/2000**; *Groundwater Monitoring Plan*; (ID 321861)

CRA, **3/8/2002**; Letter Re: Soil Sampling Report for Permanent Closure; (ID 2005557)

CRA, **10/17/2006**; Pavement Cover and Building Barrier Maintenance Plan; (ID 995622)

WDNR, 04/18/2008; Deed Restriction 1507947; (ID 998803)

EPA, **03/4/2020**; USEPA Region 5 Vapor Intrusion Handbook

EPA, **04/09/2020**; Sixth Five Year Review Report – Wausau Groundwater Contamination – 2020; (ID 955611)

WDNR, **06/2021**; Guidance for Documenting the Investigation of Human-made Preferential Pathways Including Utility Corridors; (ID 2006777)

EPA, **8/2/2021**; Conditional Approval and Final Comments Regarding the Conceptual Plan Letter For Modifications to the Wausau Drinking Water Treatment Facility...; (ID 2005883)

EPA, **11/19/2021**; Approval of Request to Permanently Shut Down EW1...; (ID 2005882)

GHD, **12/8/2021**; Vapor Intrusion Evaluation Report; (ID 996162)

EPA, **1/19/2023**;US EPA Letter RE: Request for Additional Sampling and Comments on the Vapor Intrusion Pathway Evaluation...; (ID 998537)

EPA, **3/3/2023**; US EPA Letter RE: Partial Approval of the 2023 Addendum: Vapor Intrusion (VI) Work Plan Dated January 31 2023; (ID 998546)

EPA, **8/23/2023**; *RE: Vapor Intrusion Workplan Addendum 2 - Wausau Water Supply NPL Site*; (ID 992970)

EPA, **3/15/2024**; *Explanation of Significant Differences*; (ID 989420)

GHD, 3/18/2024; GHD - 2023 Annual Monitoring Report; (ID 2005876)

EPA, **4/24/2024**; *Memo: Evaluation of Historical Data From the Wausau Water Supply NPL Site*; (ID 996146)

GHD, 5/23/2024; Vapor Intrusion Summary Report; (ID 2006048)

APPENDIX B – Figures & Tables


FIGURE 1 REGIONAL LOCATION MAP



Source: USGS 7.5 Minute Quads - Wausau East; Wausau West



WAUSAU WATER SUPPLY NPL SITE WAUSAU, WISCONSIN 2019 ANNUAL MONITORING REPORT 003978-00 Jan 2, 2020

SITE LOCATION

GIS File: I:\GIS\Projects\6-chars\00----\0039--\003978\003978-REPORTS\003978-00(042)\003978-00(042)GIS-SP001.mxd

FIGURE 1.1





Figure 1.3 Aerial Photograph (Circa. 2015)























































East Bank Sub-slab Vapor, Soil Gas, and Indoor Air Results (2023 - 2024) Wausau Water Supply NPL Site Wausau, Wisconsin

East Bank	Date	Units	Tetrachloroethene	Trichloroethene	c-1,2-Dichloroethene	Vinyl chloride
Sub-Slab Locations	Small Com	nerical SLs	5,800	290		930
Bridge Comm. Clinic	3/1/2023	ug/m3	849	20.2	1.03 U	0.808 U
Wausau Music	3/1/2023	ug/m3	115	2.98	1.03 U	0.808 U
Indoor Air Locations	Small Commerical SLs		180	8.8		28
Bridge Comm. Clinic	3/1/2023	ug/m3	11.7	1.22 U	1.03 U	0.808 U
Wausau Music	3/1/2023	ug/m3	5.81 J	1.22 UJ	1.03 UJ	0.808 UJ
Soil Gas Probes Outdoor	Small Commerical SLs		5,800	880		930
Thrive Foodery	3/27/2024	ug/m3	109	1.07 J	1.03 U	0.808 U

Notes:

5,800 - Result exceeded applicable screening level

Note: All units µg/m3

Screening Levels and Action Levels are from Wisconsin DNR "WI Vapor Quick Look-Up Table, Indoor Air Vapor Action Levels and Vapor Risk Screening Levels. Based on May 2023 USEPA Regional Screening Levels.

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

West Bank Building A Sub-slab Vapor and Indoor Air Results (2023 - 2024) Wausau Water Supply NPL Site Wausau, Wisconsin

Rexnord Building A	Date	Units	Trichloroethene	c-1,2-Dichloroethene	Vinyl chloride	Carbon tetrachloride	Chloroform
Sub-Slab Locations	SS Large Industrial SLs		880		2,800	2,000	530
SS-4 (southeast side Building A)	3/1/2023	ug/m3	424	1.03 U	0.808 U	1.54 U	1.16 U
	9/14/2023	ug/m3	140	0.793 U	0.511 U	1.26 U	1.62
SS-5 (southeast side Building A)	3/1/2023	ug/m3	6,640	1.03 U	0.808 U	0.674 J	20.1
	9/14/2023	ug/m3	3,170	0.805	0.511 U	1.26 U	38.3
	2/13/2024	ug/m3	2,010	1.03 U	0.808 U	0.527 J	4.63
SS-11 (northwest side Building A)	9/14/2023	ug/m3	9,540	2.5	0.511 U	0.542J	183
	2/13/2024	ug/m3	11,000	5.63	0.808 U	0.825 J	141
SS-12 (northeast side Building A)	9/14/2023	ug/m3	24.1	0.793 U	0.511 U	1.26 U	0.978
SS-13 (west central Building A)	2/13/2024	ug/m3	1,160	1.03 U	0.808 U	1.54 U	1.16 U
	0/40/0004			4.00.11	0.000.11	4.54.11	4.40.11
SS-14 (NE of Building A)	2/13/2024	ug/m3	28.6	1.03 U	U 808.0	1.54 U	1.16 U
CC 45 (wast control Duilding A)	2/20/2024	110/m2	2.040	1.02.11	0.000.11	4 5 4 1 1	1 1 0 11
SS-15 (west central Building A)	3/28/2024	ug/m3	2,640	1.03 U	U 808.0	1.54 U	1.16 U

West Bank Building A Sub-slab Vapor and Indoor Air Results (2023 - 2024) Wausau Water Supply NPL Site Wausau, Wisconsin

Rexnord Building A	Date	Units	Trichloroethene	c-1,2-Dichloroethene	Vinyl chloride	Carbon tetrachloride	Chloroform
Indoor Air Locations	Industrial IA SLs		8.8		28	20	5.3
Indoor Air - Building A	3/1/2023	ug/m3	1.62	1.03 U	0.808 U	1.54 U	1.16 U
**IA-05 (southeast side Building A)	9/14/2023	ug/m3	1.37	1.03 U	0.808 U	1.54 U	1.16 U
	2/12/2024	ug/m3	1.16 J	1.03 U	0.808 U	1.54 U	1.16 U
IA-11 (northwest side Building A)	9/14/2023	ug/m3	1.85	1.03 U	0.808 U	1.54 U	1.16 U
	2/12/2024	ug/m3	1.93	0.979 J	0.808 U	0.498 J	1.16 U
IA-13 (west central Building A)	2/12/2024	ug/m3	7.18	1.03 U	0.808 U	0.572 J	1.16 U
IA-15 (west central Building A)	3/27/2024	ug/m3	0.970 J	1.03 U	0.808 U	1.54 U	1.16 U

Notes:

880 - Result exceeded applicable screening level

Note: All units µg/m3

Screening Levels and Action Levels are from Wisconsin DNR "WI Vapor Quick Look-Up Table, Indoor Air Vapor Action Levels and Vapor Risk Screening Levels. Based on November 2022 U.S.EPA Regional Screening Levels.

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

** IA-05 was previously known as IA-02

Table 2.1

2023 Groundwater Monitoring Plan Wausau Water Supply NPL Site Wausau, Wisconsin

Monitoring	VOC Sampl	le Locations	Laboratory	Groundwater Elevations		
Event	East Bank	West Bank	Analysis	East Bank	West Bank	
Annual -	CW3*, E21, E22A**,	EW1, CW6, R2D**,	Volatile Organic	E21, E22A, E24AR,	C2S, C3S, C4S, C6S,	
Fall	E37A, E24AR,	R3D, R4D, C2S, C3S,	Compounds (VOC)	E26A, E28A, E37A,	C7S, GM2S, GM4D,	
	MW10B, WW4, WW6,	C4S, W52**, W53A,	Method 8260B	GM6D, W.HURD,	MW1A, MW3A,	
	WC3B**, WC5A	W54**, W55*, W56,		MW10B, WC3B,	MW4A, MW7, R1D,	
		WSWD, MW1A		WC4A, WC5A,	R2D, R3D, R4D, W52,	
				WC7A, WW4, WW6	W53A, W54, W55,	
					W56, W57, WSWD,	
					City Wells CW6, CW-	
					7, CW9, CW10, CW11	
					(if pumping)	

Site Specific VOC List

Acetone

Benzene

Carbon tetrachloride Chloroform

1,1-Dichloroethene

cis-1,2-Dichloroethene

Ethylbenzene

Methylene chloride

Tetrachloroethene

Toluene

1,1,2-Trichloroethane

Trichloroethene

Vinyl chloride

Xylenes

Notes:

* - Not sampled in 2023 due to being down for repairs

** - Well sampled for 1,4-Dioxane in 2021

West Bank Building B Sub-slab Vapor and Indoor Air Results (2023 - 2024) Wausau Water Supply NPL Site Wausau, Wisconsin

Rexnord Building B	Date	Units	Trichloroethene	c-1,2-Dichloroethene	Vinyl chloride	Carbon tetrachloride	Chloroform
Sub-Slab Locations	SS Large Inc	SS Large Industrial SLs			2,800	2,000	530
SS-1 (north side Building B)	3/1/2023	ug/m3	236	1.03 U	0.808 U	1.19 J	1.16 U
	9/14/2023	ug/m3	1,760	5.55	0.511 U	21.7	7.11
	2/13/2024	ug/m3	87.3	1.03 U	0.808 U	1.54 U	1.16 U
SS-2 (middle Building B)	3/1/2023	ug/m3	21,900	184	0.808 U	420	185
	9/14/2023	ug/m3	30,600	159	0.511 U	552	192
	2/13/2024	ug/m3	20,100	158	0.808 U	487	155
SS-3 (south side Building B)	3/1/2023	ug/m3	7.29/6.70	1.03 U/1.03U	0.808 U/0.808 U	0.661 J/0.591J	40.2/36.4
	9/14/2023	ug/m3	4.41	0.793 U	0.511 U	0.575J	28.1
SS-8 (northwest side Building B)	9/14/2023	ug/m3	105	0.793 U	0.511 U	280	28.2
SS-9 (southwest side Building B)	9/14/2023	ug/m3	75	0.793 U	0.511 U	28.3	26.1
Table 3

West Bank Building B Sub-slab Vapor and Indoor Air Results (2023 - 2024) Wausau Water Supply NPL Site Wausau, Wisconsin

Rexnord Building B	Date	Units	Trichloroethene	c-1,2-Dichloroethene	Vinyl chloride	Carbon tetrachloride	Chloroform
Soil Gas Probes Outdoor Locations	SS Large In	dustrial SLs	880		2,800	2,000	530
SG-1 (northwest side Building B)	9/13/2023	ug/m3	103	0.416 J	0.511 U	1.74	0.686J
SG-2 (southwest side Building B)	8/29/2023	ug/m3	21.4 U	15.9 U	10.2 U	25.2 U	19.5 U
Indoor Air Locations	Industria	al IA SLs	8.8		28	20	5.3
Indoor Air - Building B	3/1/2023	ug/m3	2.33 J	1.03 UJ	0.808 UJ	0.461 J	1.16 UJ
IA-01 (north side Building B)	9/14/2023	ug/m3	0.852J	1.03 U	0.808 U	1.54 U	
	2/12/2024	ug/m3	2.39	1.03 U	0.808 U	0.576 J	1.16 U
IA-02 (middle side Building B)	9/14/2023	ug/m3	2.74	1.03 U	0.808 U	1.54 U	1.16 U
	2/12/2024	ug/m3	214	1.03 U	0.808 U	0.794 J	1.16 U
	3/27/2024	ug/m3	3.74	1.03 U	0.808 U	1.54 U	1.16 U

Notes:

880 - Result exceeded applicable screening level

Note: All units µg/m3

Screening Levels and Action Levels are from Wisconsin DNR "WI Vapor Quick Look-Up Table, Indoor Air Vapor Action Levels and Vapor Risk Screening Levels. Based on November 2022 U.S.EPA Regional Screening Levels.

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

Annual Groundwater Monitoring Event VOC Analytical Results- August 29-30, 2023 Wausau Water Supply NPL Site Wausau, Wisconsin

		Sample Location: E21 Sample Name: W-230829-RA-08 W Sample Date: 8/29/2023 EB		E22A W-230829-RA-01 8/29/2023 EB	E24AR W-230830-RA-05 8/30/2023 EB	E37A W-230830-RA-04 8/30/2023 EB	MW10B W-230830-RA-03 8/30/2023 EB	WC3B W-230830-RA-10 8/30/2023 EB
	Units	WDNR ES						
Volatile Organic Compounds								
1,1,2-Trichloroethane	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acetone	ug/L	9000	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon tetrachloride	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	ug/L	6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,2-Dichloroethene	ug/L	70	1.0 U	1.0 U	5.8	15	1.0 U	1.0 U
Ethylbenzene	ug/L	700	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene chloride	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	ug/L	5	1.0 U	8.0	1.7	1.0 U	1.0 U	8.4
Toluene	ug/L	800	0.50 U	0.23 J	0.50 U	0.19 J	0.25 J	0.50 U
Trichloroethene	ug/L	5	0.50 U	0.50 U	2.0	0.50 U	0.50 U	0.50 U
Vinyl chloride	ug/L	0.2	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	2000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Annual Groundwater Monitoring Event VOC Analytical Results- August 29-30, 2023 Wausau Water Supply NPL Site Wausau, Wisconsin

		Sample Location: Sample Name: Sample Date:	WC5A W-230830-RA-07 8/30/2023 EB	WW4 W-230830-RA-02 8/30/2023 EB	WW6 W-230830-RA-09 8/30/2023 EB	C2S W-230830-RA-26 8/30/2023 WB	C3S W-230829-RA-16 8/29/2023 WB	C4S W-230830-RA-17 8/30/2023 WB
	Unite							
Volatile Organic Compounds	Units	WDINK LS						
1.1.2-Trichloroethane	ua/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acetone	ug/L	9000	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon tetrachloride	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	140	1.0 U
Chloroform (Trichloromethane)	ug/L	6	2.0 U	2.0 U	2.0 U	2.0 U	61	0.45 J
cis-1,2-Dichloroethene	ug/L	70	27	1.0 U	9.8	1.0 U	1.0 U	2.7
Ethylbenzene	ug/L	700	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene chloride	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	ug/L	5	2.9	1.0 U	1.0 U	1.0 U	0.70 J	1.0 U
Toluene	ug/L	800	0.50 U	0.19 J	0.50 U	0.50 U	0.50 U	0.50 U
Trichloroethene	ug/L	5	0.50 U	0.50 U	0.53	0.83	1.9	4.9
Vinyl chloride	ug/L	0.2	8.5	1.0 U				
Xylenes (total)	ug/L	2000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

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Annual Groundwater Monitoring Event VOC Analytical Results- August 29-30, 2023 Wausau Water Supply NPL Site Wausau, Wisconsin

		Sample Location: Sample Name: Sample Date:	CW6 W-230830-RA-18 8/30/2023 WB	EW1 W-230830-RA-23 8/30/2023 WB	MW1A W-230829-RA-11 8/29/2023 WB	MW1A W-230829-RA-12 8/29/2023 WB	R2D W-230830-RA-28 8/30/2023 WB	R3D W-230829-RA-15 8/29/2023 WB
	Unito					Duplicate		
Volatile Organic Compounds	Units	WDINK ES						
1 1 2-Trichloroethane	ua/l	5	10U	10U	10U	10U	10U	10U
1.1-Dichloroethene	ua/L	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acetone	ug/L	9000	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon tetrachloride	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	ug/L	6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,2-Dichloroethene	ug/L	70	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	ug/L	700	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene chloride	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	ug/L	800	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trichloroethene	ug/L	5	2.7	0.50 U	0.50 U	0.50 U	10	1.7
Vinyl chloride	ug/L	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	2000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Annual Groundwater Monitoring Event VOC Analytical Results- August 29-30, 2023 Wausau Water Supply NPL Site Wausau, Wisconsin

		Sample Location: Sample Name: Sample Date:	R4D W-230830-RA-24 8/30/2023 WB	R4D W-230830-RA-25 8/30/2023 WB	W52 W-230830-RA-21 8/30/2023 WB	W53A W-230830-RA-22 8/30/2023 WB	W54 W-230830-RA-20 8/30/2023 WB	W55 W-230829-RA-13 8/29/2023 WB	
				Duplicate					
	Units	WDNR ES							
Volatile Organic Compounds									
1,1,2-Trichloroethane	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
1,1-Dichloroethene	ug/L	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Acetone	ug/L	9000	10 U	10 U	10 U	10 U	10 U	10 U	
Benzene	ug/L	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
Carbon tetrachloride	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Chloroform (Trichloromethane)	ug/L	6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	
cis-1,2-Dichloroethene	ug/L	70	1.0 U	1.0 U	1.0 U	1.0 U	3.9	24	
Ethylbenzene	ug/L	700	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
Methylene chloride	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Tetrachloroethene	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Toluene	ug/L	800	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
Trichloroethene	ug/L	5	0.76	0.70	1.7	43	140	17	
Vinyl chloride	ug/L	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Xylenes (total)	ug/L	2000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	

Annual Groundwater Monitoring Event VOC Analytical Results- August 29-30, 2023 Wausau Water Supply NPL Site Wausau, Wisconsin

		Sample Location: Sample Name: Sample Date:	W56 W-230829-RA-14 8/29/2023 WB	WSWD W-230830-RA-27 8/30/2023 WB
	Units	WDNR ES		
Volatile Organic Compounds				
1,1,2-Trichloroethane	ug/L	5	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	7	1.0 U	1.0 U
Acetone	ug/L	9000	10 U	10 U
Benzene	ug/L	5	0.50 U	0.50 U
Carbon tetrachloride	ug/L	5	1.0 U	1.0 U
Chloroform (Trichloromethane)	ug/L	6	2.0 U	2.0 U
cis-1,2-Dichloroethene	ug/L	70	1.0 U	1.0 U
Ethylbenzene	ug/L	700	0.50 U	0.50 U
Methylene chloride	ug/L	5	5.0 U	5.0 U
Tetrachloroethene	ug/L	5	1.0 U	1.0 U
Toluene	ug/L	800	0.50 U	0.50 U
Trichloroethene	ug/L	5	0.50 U	32
Vinyl chloride	ug/L	0.2	1.0 U	1.0 U
Xylenes (total)	ug/L	2000	1.0 U	1.0 U

Notes:

EB - East Bank Well

WB - West Bank Well

U - Not detected at the associated reporting limit

J - Estimated concentration

-Detected

-Concentration exceeded

WDNR Enforcement Standard, Upaded 1/25/2023

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APPENDIX C – Site Chronology

Appendix C- Site Chronology

Table 6: Site Chronology

Event	Date
Initial discovery of problem or contamination	1982
Removal actions	1984
Pre-NPL responses- Treatment system installed by Wisconsin	1985
Proposed NPL listing	1985
Final NPL listing	1986
Remedial Investigation/Feasibility Study initiated	1987
Remedial Investigation/Feasibility Study completed	1989
Interim ROD signature	1988
Final ROD signature	1989
RD/RA CD for Interim ROD	1989
RD/RA CD for Final ROD	1991
Remedial design start	1990
RA Construction completion	1994
Remedy Construction completion date	1994
West Bank Side SVE system shut down	1996
First Five-Year Review	1996
EPA approves discontinuation of SVE (West Bank Side)	1996
EPA approves discontinuation of SVE (East Bank Side)	1997
Second Five-Year Review	2000
Third Five-Year Review	2005
Fourth Five-Year Review	2010
Pilot Study Begins	2013
Fifth Five-Year Review	2015
Vapor Intrusion Evaluation Work Began	2017
Wausau Chemical Property Purchased by City of Wausau	2019
EW-1 Shut Down Approval Granted	2021
New Wausau Water Works Constructed	2022
Explanation of Significant Differences Published	2024

APPENDIX D – PFAS



Northern Lake Service, Inc • 400 N Lake Ave • Crandon, WI 54520 800-278-1254 • www.nlslab.com

July 28, 2023

Scott Boers Wausau Waterworks 1801 Burek Ave Wausau, WI 54403

Project: Investigative PFAS Testing Project Number: 2023 WDNR Drinking Water Requirerments Work Order: CB08107 Received: 07/19/23 PWS ID: 73701023

Enclosed are the results of analyses for samples received by our laboratory on 7/19/2023. If you have any questions concerning this report, please feel free to contact a client service representative at clientservices@nlslab.com.

Sincerely,

Ronald T. Krueger For Client Services Northern Lake Service, Inc.



800-278-1254 • www.nlslab.com

Wausau Waterworks	Project: Investigative PFAS Testing		
1801 Burek Ave	Project Number: 2023 WDNR Drinking Water Requirerments	Reported:	Work Order:
Wausau, WI 54403	Project Manager: Scott Boers	7/28/23 7:08	CB08107

Sample Summary

Descriptions of all qualifiers listed throughout this report can be found on the Qualifiers and Definitions Page.

Lab ID	Sample	Matrix	Sample Type	Qualifiers	Date Sampled	Date Received
CB08107-01	Water Plant EP500	DW			7/18/23 11:26	7/19/23 9:00
CB08107-02	EP500 Field Blank	DW			7/18/23 11:26	7/19/23 9:00



Wausau Waterworks	F	Project: Investig	ative PFAS Te	sting							
1801 Burek Ave	Project N	umber: 2023 W	DNR Drinking	Water Requ	uirerments		F	Reported:	Work Order:		
Wausau, WI 54403	Project Ma	anager: Scott Bo	oers				7/:	28/23 7:08	CB08107		
			Sa	nple Re	sults						
Sample: Water Plant EP500											
CB08107-01 (DW) Sampled: (07/18/23 11:26										
Analyte	Result	Qualifier	LOD	LOQ	MCL	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles		-		-							
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.30	0.98		ng/L	7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		0.33	1.1		ng/L	7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.36	1.2		ng/L	7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.40	1.4		ng/L	7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	8.4		0.46	1.6		ng/L	7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.39	1.3		ng/L	7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	0.56	J	0.29	0.98		ng/L	7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		0.32	1.1		ng/L	7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		0.23	0.75		ng/L	7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	4.6		0.43	1.5		ng/L	7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	4.6		0.46	1.6		ng/L	7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	0.54	J	0.33	1.1		ng/L	7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	0.67	J	0.45	1.5		ng/L	7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	12		0.48	1.6		ng/L	7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	2.3		0.30	0.98		ng/L	7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		0.33	1.1		ng/L	7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTrDA)	ND		0.42	1.4		ng/L	7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		0.29	0.98		ng/L	7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA			Limits:	70-130%			7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	88%		Limits:	70-130%			7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	96%		Limits:	70-130%			7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NEtFOSAA	93%		Limits:	70-130%			7/21/23 9:16	7/23/23 12:15	RAW	EPA 537.1, Rev 2.0	2



Wausau Waterworks	Р	roject: Investiga	ative PFAS Te	sting							
1801 Burek Ave	Project Nu	umber: 2023 WD	ONR Drinking	Water Req	uirerments		R	Reported:		Work Order:	
Wausau, WI 54403	Project Ma	nager: Scott Bo	ers				7/2	28/23 7:08		CB08107	
Sample: EP500 Field Blank											
CB08107-02 (DW) Sampled:	07/18/23 11:26										
Analyte	Result	Qualifier	LOD	LOQ	MCL	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles											
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.31	1.0		ng/L	7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.34	1.1		ng/L	7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.37	1.2		ng/L	7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.41	1.4		ng/L	7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.47	1.6		ng/L	7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.40	1.3		ng/L	7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	ND		0.30	1.0		ng/L	7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		0.33	1.1		ng/L	7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		0.23	0.77		ng/L	7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	ND		0.44	1.5		ng/L	7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	ND		0.47	1.6		ng/L	7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	ND		0.34	1.1		ng/L	7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND		0.46	1.5		ng/L	7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	ND		0.49	1.6		ng/L	7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	ND		0.31	1.0		ng/L	7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		0.34	1.1		ng/L	7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTrDA)	ND		0.43	1.4		ng/L	7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		0.30	1.0		ng/L	7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA	77%		Limits:	70-130%			7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	85%		Limits:	70-130%			7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	93%		Limits:	70-130%			7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NEtFOSAA	94%		Limits:	70-130%			7/26/23 5:17	7/26/23 21:47	RAW	EPA 537.1, Rev 2.0	2



NLS (Crandon) WDNR Laboratory ID No.

8/31/23

Code Description	Number	Expires										
	List of Certifications											
Wausau, WI 54403	Project Manager: Scott Boers	7/28/23 7:08	CB08107									
1801 Burek Ave	Project Number: 2023 WDNR Drinking Water Requirerments	Reported:	Work Order:									
Wausau Waterworks	Project: Investigative PFAS Testing											

721026460

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Nausau Waterworks	Project: Investigative PFAS Testing		
1801 Burek Ave	Project Number: 2023 WDNR Drinking Water Requirerments	Reported:	Work Order:
Wausau, WI 54403	Project Manager: Scott Boers	7/28/23 7:08	CB08107

Qualifiers and Definitions

Item	Definition
J	Result is between LOD and LOQ and considered to be within a region of less-certain quantitation.
ND	Analyte NOT DETECTED at or above the LOD or MRL.
LOD	Limit of Detection.
LOQ	Limit of Quantitation.
NA	Not Applicable.
Dry	Dry Weight Basis.
Wet	Wet Weight Basis.
% Dry	Equal to: (mg/kg dry) / 10000.
1000 ug/L	Equal to: 1 mg/L.
MCL	Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.
RPD	Relative Percent Difference.
%REC	Percent Recovery.
Source	Sample that was matrix spiked or duplicated.

All LOD/LOQs adjusted to reflect preparation volumes, dilutions, and/or solids content.

JENT Wausan roject Description / N NR FID # ONTACT SCOTT BO URCHASE ORDER NO.	Water Works Wrek Ave UN STATE WT ZIPS 10. QUOTAT DNR LICENSE # 255 PHONE 71526 FAX	5440) ION NO.	MATR SW = GW = DW = TIS = AIR = SOIL - SED =	IX: IX: waste water groundwater drinking water issue air = soil r sediment	Condition of Annuals	Ct and	Indica N	te G or C if	WW Sample	is Grab or C	omposite	A 	H	Z
	- 1-S - SA		PROD SL = s OTHE	= product ludge R	ALYZEPE	the state	1/1	TT ,			/	1	/	NO.
NLS LAB. NO.	SAMPLE ID	COLLEC	TION TIME	MATRIX (See above)	AM	F9	10	1 /	/				COLLECT (i.e. [TION REMARKS ONR Well ID #)
1.	VanErt D16	7-18-23	10:38	DW	1	G			i. 14	111	- 204			
2.						and the								
3.	Elmst, D.7	7-18-23	10:56	DW	1	G					10			
2	0.1 0.0 1 = 0 = 1	7 10-73	11.5.77	Dul							-			
5.	Water PlantEP500	(-18-25	11:26	VW			G							
7.	eq.													
B.	0`		1				-	2						
9.					1	and the								
10.														
OLLECTED BY (signatu	re)		CUSTODY SEAL N	IO. (IF ANY)				DATE/	TIME	REPOF	TTO			
ELINOUISHED BY (sign)	ature)	RECEIVED B	Y (signature)	11 De				DATE	TIME	_				
RECEIVED BY (signature) RECEIVED B			ST (signature) DATE/TIME											
ISPATCHED BY (signatu	ire)	METHOD O	FTRANSPORT					DATE/	TIME					
RECEIVED AT NLS BY (sig	inature) MS	DATECTIME		a	CONDITION	<u> </u>		TEM	P. C	INVOI	CETO			
COOLER #		REMARKS & O	THER INFORMATIC	DN				1	#12	1				
PRESERVATIVE: N NP = no preservative Z	= nitric acid OH = sodium hydroxide = zinc acetate HΛ = hydrochloric & ascorbic ac	WDNR FACILI	TY NUMBER	E-MAIL AD	DRESS									

Dept. of Natural Resources Bureau of Drinking Water P.O. Box 7921 Madison WI 53707

PFAS ANALYSIS (ENCLOSE FORM WHEN SENDING SAMPLE TO LAB)

Public Water Supply Form Number: 5744 Revision: 20230517 Generated: 6/13/2023

System Name:		1	PWS ID:	
DNR Contact:	Region:	System Type: DMC	ONN OO	C OTN
System Address:	City:	Co	ounty:	
Entry Point ID: EP500WI Unique Well No:	Note:			1.1
Sampler Contact Info: (Notify DNR Contact of Corre	ctions) Sampler: (I Provide info change a bil Fax Numb	Leave Blank If You Don't U ormation to have results fax ling address, if your lab off er:	se These Service ed or emailed or ers these service	es) to s
	Email:			
	Billing Ad	dress:		
Sample Source: (Location) Sample Type: (Check W - Well Source D - Complia E - Entry Point C - Confirm D - Distribution System X I - Investiga W - Raw Wate W - Raw Wate	Only One) ance Sample ation Sample tion Sample ater Sample		la e	
Special Instructions:				
Collect Sample between: and			*****	and a second
Section II: Sample Information (to be completed by	SAMPLER ALL ITE	MS REQUIRED)		1. Sec
Sample Collection Date: $7/18/23$ (mm Address where sample was collected: way say	/dd/yyyy) Time: // Water Works,	: 26 Øa.m. Op 1801 BurekAu	o.m. C. į Wau:	sau, w
Monitoring Site ID: <u>L1300</u> Sample Tap Loca	ation (e.g. kitchen sink):	Labiap		1
First Initial and Last Name of Sampler: 0	ensen	Sampler Phone:	715 26	17265
Section III: To be completed by LAB. Report result: Check here if some or all of the parameters w NOTE: A separate form must be completed b Laboratory ID:	s on back for PWS and e ere analyzed by a subo y each lab with data fo Laboratory Name:	electronically to DNR wit contracted lab. or only the parameters	hin 10 days per which that lab	r NR 809.80 analyzed.
Date Sample Received: / / Time	e: : La	b Sample ID:		
Signature of Receiving Lab Official:		Date Reported to	PWS: /	1
Condition of Sample Upon Receipt:			HALLET PROVIDENTIAL AND AN AND AND	Manual Constantion of Constant
· · ·			*****	

Notice: This form must be submitted with laboratory samples analyzed to determine compliance with ch. NR 809, Wis. Adm. Code, Safe Drinking Water. Completion of this form or a similar form approved by the Department is mandatory. Failure to submit a completed form to the Department is a violation punishable by a forfeiture of no less than \$10 nor more than \$5000, or by a fine of not less than \$10 nor more than \$100 or imprisonment of not less than 30 days, or both. Each day of continued violation is a separate offense (ss. 144.99, Wis. Stats.). Authorization for these requirement is under s. 280.13(d), Wis. Stats. and ch. NR 809.80. Personally identifiable information on this form will be used for no other purpose. Reference Requirement #96738670.

PFAS ANALYSIS System Name: To be completed by the laboratory performing analysis. PWS ID: Lab Sample ID: Storet **SDWA** Code Parameter Method MDL Results MCL Units * 99597 PFOA 70 NG/L * 99598 PFOS 70 NG/L 97433 11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID NG/L 97434 4,8-DIOXA-3H-PERFLUORONONANOIC ACID NG/L 97415 4:2 FLUOROTELOMER SULFONIC ACID NG/L 97414 6:2 FLUOROTELOMER SULFONIC ACID NG/L 97413 8:2 FLUOROTELOMER SULFONIC ACID NG/L 97432 9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID NG/L 97435 HEXAFLUOROPROPYLENE OXIDE DIMER ACID NG/L 97436 N-ETHYL PERFLUOROOCTANESULFONAMIDO-ACETIC ACID NG/L 97437 N-METHYL PERFLUOROOCTANESULFONAMIDO-ACETIC ACID NG/L 99987 PERFLUORO-N-BUTANESULFONIC ACID NG/L 99991 PERFLUORO-N-BUTANOIC ACID NG/L 99996 PERFLUORO-N-DECANOIC ACID NG/L 99998 PERFLUORO-N-DODECANOIC ACID NG/L 99989 PERFLUORO-N-HEPTANESULFONIC ACID NG/L PERFLUORO-N-HEPTANOIC ACID 99994 NG/L PERFLUORO-N-HEXANESULFONIC ACID NG/L 99988 99993 PERFLUORO-N-HEXANOIC ACID NG/L 99995 PERFLUORO-N-NONANOIC ACID NG/L PERFLUORO-N-PENTANOIC ACID NG/L 99992 99924 NG/L PERFLUORO-N-TETRADECANOIC ACID PERFLUORO-N-TRIDECANOIC ACID NG/L 99923 99997 PERFLUORO-N-UNDECANOIC ACID NG/L NG/L 97425 PERFLUOROPENTANESULFONIC ACID 95507 NONAFLUORO-3,6-DIOXAPHEPTANOIC ACID NG/L NG/L 95504 PERFLUORO(2-ETHOXYETHANE)SULFONIC ACID 95501 PERFLUORO-4-METHOXYBUTANOIC ACID NG/L NG/L 95498 PERFLUORO-3-METHOXYPROPANOIC ACID

*The full suite of PFAS contaminants listed under EPA Method 537.1 or EPA Method 533 must be analyzed as part of the perfluoro-n-octanoic acid (PFOA) and perfluoro-n-octanesulfonic acid (PFOS) analysis. Any detection of any other PFAS contaminant identified as part of the analysis must also be reported to the DNR as specified under NR 809.207(2), Safe Drinking Water, Wis. Adm. Code.

Approved By:	QA Officer:	Da	te:
	Laboratory Manager:	Da	te:
	Comments:		



Northern Lake Service, Inc • 400 N Lake Ave • Crandon, WI 54520 800-278-1254 • www.nlslab.com

August 24, 2023

Scott Boers Wausau Waterworks 1801 Burek Ave Wausau, WI 54401

Project: Investigative PFAS Testing Project Number: 2023 WDNR Drinking Water Requirerments Work Order: CB09517 Received: 08/11/23 PWS ID: 73701023

Enclosed are the results of analyses for samples received by our laboratory on 8/11/2023. If you have any questions concerning this report, please feel free to contact a client service representative at clientservices@nlslab.com.

Sincerely,

Tom Priebe For Client Services Northern Lake Service, Inc.



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Wausau Waterworks	Project: Investigative PFAS Testing			
1801 Burek Ave	Project Number: 2023 WDNR Drinking Water Requirerments	Reported:	Work Order:	
Wausau, WI 54401	Project Manager: Scott Boers	8/24/23 8:41	CB09517	

Sample Summary

Descriptions of all qualifiers listed throughout this report can be found on the Qualifiers and Definitions Page.

Lab ID	Sample	Matrix	Sample Type	Qualifiers	Date Sampled	Date Received
CB09517-01	Lab	DW			8/10/23 11:42	8/11/23 8:00



Wausau Waterworks	F	Project: Investig	ative PFAS Te	sting							
1801 Burek Ave	Project N	umber: 2023 W	DNR Drinking	Water Requ	uirerments		F	Reported:		Work Order:	
Wausau, WI 54401	Project Ma	anager: Scott Bo	bers				8/2	24/23 8:41		CB09517	
			Sar	nple Re	sults						
Sample: Lab											
CB09517-01 (DW) Sampled: (08/10/23 11:42										
Analyte	Result	Qualifier	LOD	LOQ	MCL	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles							•	,	,		
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.31	1.0		ng/L	8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		0.34	1.1		ng/L	8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.37	1.2		ng/L	8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.41	1.4		ng/L	8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.7		0.47	1.6		ng/L	8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.40	1.3		ng/L	8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	0.36	J	0.30	1.0		ng/L	8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		0.33	1.1		ng/L	8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		0.23	0.77		ng/L	8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	2.3		0.44	1.5		ng/L	8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	2.5		0.47	1.6		ng/L	8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	ND		0.34	1.1		ng/L	8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND		0.46	1.5		ng/L	8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	6.1		0.49	1.6		ng/L	8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	1.1		0.31	1.0		ng/L	8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		0.34	1.1		ng/L	8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTrDA)	ND		0.43	1.4		ng/L	8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		0.30	1.0		ng/L	8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA	95%		Limits:	70-130%			8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-HFPODA	90%		Limits:	70-130%			8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFDA	98%		Limits:	70-130%			8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) d5-NEtFOSAA	93%		Limits:	70-130%			8/16/23 5:27	8/17/23 16:22	RAW	EPA 537.1, Rev 2.0	2



NLS (Crandon) WDNR Laboratory ID No.

8/31/23

Code	Description	Number	Expires			
	List of Certifications					
Wausau, W	I 54401	Project Manager: Scott Boers	8/24/23 8:41	CB09517		
1801 Burek	Ave	Project Number: 2023 WDNR Drinking Water Requirerments	Reported:	Work Order:		
Wausau Wa	aterworks	Project: Investigative PFAS Testing				

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Wausau Waterworks	Project: Investigative PFAS Testing		
1801 Burek Ave	Project Number: 2023 WDNR Drinking Water Requirerments	Reported:	Work Order:
Wausau, WI 54401	Project Manager: Scott Boers	8/24/23 8:41	CB09517

Qualifiers and Definitions

Item	Definition
J	Result is between LOD and LOQ and considered to be within a region of less-certain quantitation.
ND	Analyte NOT DETECTED at or above the LOD or MRL.
LOD	Limit of Detection.
LOQ	Limit of Quantitation.
NA	Not Applicable.
Dry	Dry Weight Basis.
Wet	Wet Weight Basis.
% Dry	Equal to: (mg/kg dry) / 10000.
1000 ug/L	Equal to: 1 mg/L.
MCL	Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.
RPD	Relative Percent Difference.
%REC	Percent Recovery.
Source	Sample that was matrix spiked or duplicated.

All LOD/LOQs adjusted to reflect preparation volumes, dilutions, and/or solids content.

ADDRESS 1801 BUREK AVE				Wisconsin Lab Cert. No. 721026460 WI DATCP 105-000330												
IY Wat OJECT DESCRI NR FID # DNTACT JRCHASE ORD	ER NO.		ZIP 5'4' QUOTATI NR LICENSE # PHONE FAX	201 NO.	MATRI SW = su GW = g DW = d TIS = ti: AIR = a SOIL = SED = c PROD =	K: urface water vaste water roundwater rinking water ssue soil soil sediment = product	PER ORDER OF ANALYS	run Fee	as	Indicate G o	CifWW	r or N if G Sample is	W Sample Grab or C	is field filt omposite.	ered.	72
EM N IO. LAB.	LS NO.	SAMPLE	D	COLLECT	SL = slu OTHER TION TIME	MATRIX (See above)	Revelling	and mo		//						COLLECTION REMARKS (i.e. DNR Well ID #)
I. PEI	AS	Lab		8-10-23	1142 An	PW	X									1.18
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ISPATCHED B	Y (signature)			METHODO	FRANSPORT				-	D	ATE/TIME		12			
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OOLER # RESERVATIV	E: $N = nitric$ ative $Z = zinc a$	acid OH = so cetate HA = hy	dium hydroxide drochloric & ascorbic ac	WDNR FACILI	TY NUMBER	E-MAIL ADI	DRESS	-			2					

Katie Rosenberg - Mayor City of Wausau



Eric Lindman, P.E. Director of Public Works and Utilities

August 29, 2023 – PRESS RELEASE

Drinking Water PFAS Rules – Recent WDNR Evaluation Changes

Wausau Water Works has been and continues to manage and monitor PFAS levels in our drinking water. The City established a goal of keeping the PFAS levels in drinking water less than 20 ppt combined of PFOA/PFOS suggested by WI Department of Health Services (WDHS) in 2022 and our interim treatment process continues to meet this goal.

Recently the WI Department of Natural Resources (WDNR) notified the City they are now monitoring additional PFAS compounds as suggested by WDHS. These additional PFAS compounds (FOSA, NEtFOSA, NEtFOSAA, NEtFOSE) are now being added to the overall goal of staying below 20 ppt.

Now that the WDNR is requesting reporting on the additional four PFAS compounds, a recent City sample test was slightly above the WDHS suggested limit of 20 ppt -- at 22.7 ppt. The City has retested and our most recent result is a total of 11.9 ppt including the additional compounds now being monitored, well under the 20ppt.

These new additions to be included in the overall total number will continue to be monitored moving forward and we continue to monitor our test results against the proposed USEPA rule, which is different than what WDNR is monitoring. Any required formal notice by the WDNR will be forthcoming as required but it is important the public understands these changing rules, our testing results, and our unwavering commitment of reducing PFAS in drinking water to non-detectable levels.

Wausau Water Works continues to test more frequently than required and will be monitoring these new additions of PFAS compounds. Our interim strategy of managing PFAS continues to work well and lower PFAS levels in our drinking water. Our long-term strategy for PFAS removal using Granule Activated Carbon is still on schedule for completion in late 2024.

Once the USEPA finalizes their proposed PFAS drinking water standard the WDNR will use the USEPA PFAS standard and not use WDHS suggested rules which are significantly different. We know this may be confusing and we are continuing to move forward and keep track of all the different rule makings and requirements from various agencies.

Sample Date	Measured Amount						
NETFOSAA							
1/17/2023	6.1						
1/17/2023	6.2						
4/12/2023	3.9						
4/12/2023	4.5						
7/18/2023	8.4						
11/28/2023	0.52						
11/29/2023	0.54						
3/7/2024	2.1						
3/7/2024	2.1						
4/16/2024	2.6						
4/16/2024	2.8						
9/25/2024	3.9						
9/26/2024	4.9						
	PFBS						
1/17/2023	0.34						
4/12/2023	0						
4/12/2023	0.31						
7/18/2023	0.56						
11/28/2023	0						
11/29/2023	0						
3/7/2024	0						
3/7/2024	0						
4/16/2024	0						
4/16/2024	0						
9/25/2024	0						
9/26/2024	0						
	PFHxS						
1/17/2023	0.35						
4/12/2023	0						
4/12/2023	0						
7/18/2023	0.54						
11/28/2023	0						
11/29/2023	0						
3/7/2024	0						
3/7/2024	0						
4/16/2024	0						
4/16/2024	0						
9/25/2024	0						
9/26/2024	0						

Sample Date	Measured Amount							
PFNA								
4/12/2023	0							
4/12/2023	0							
7/18/2023	0.67							
11/28/2023	0							
11/29/2023	0							
3/7/2024	0							
3/7/2024	0							
4/16/2024	0							
4/16/2024	0							
9/25/2024	0							
9/26/2024	0							
	PFOA							
1/17/2023	7.4							
1/17/2023	8							
4/12/2023	5							
4/12/2023	6.1							
7/18/2023	12							
11/28/2023	1							
11/29/2023	1.1							
3/7/2024	3.9							
3/7/2024	3.9							
4/16/2024	4.3							
4/16/2024	4.6							
9/25/2024	5.2							
9/26/2024	6.4							
	PFOS							
1/17/2023	1.5							
1/17/2023	1.9							
4/12/2023	0.66							
4/12/2023	0.68							
7/18/2023	2.3							
11/28/2023	0							
11/29/2023	0							
3/7/2024	0							
3/7/2024	0							
4/16/2024	0							
4/16/2024	0							
9/25/2024	0.7							
9/26/2024	0.86							

NETFOSAA



PFBS



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APPENDIX E – SITE INSPECTION CHECKLIST

I. SITE INFORMATION							
Site name: Wausau Groundwater Contamination Site	Date of inspection: 8/12/2024						
Location and Region: Wausau, WI; Region 5	EPA ID: WID980993521						
Agency, office, or company leading the FYR: USEPA	Weather/temperature: Sunny 70						
Remedy Includes: (Check all that apply)							
⊠ Landfill cover/containment	□ Monitored natural attenuation						
\boxtimes Access controls	Groundwater containment						
⊠ Institutional controls	□ Vertical barrier walls						
\boxtimes Groundwater pump and treatment	Other: Treatment via Air Strippers						
Surface water collection and treatment							
Attach	Attachments:						
□ Inspection team roster attached	□ Site map attached						

Site Inspection Checklist

	II. I	NTERVIEWS	S (Check all the	at apply)	
1.	O&M Site Manager Oj	Daniel (OJ) inaga ,	Projec	et Manager,	8/12/2024
	Interviewed: \square at site \square	at office \Box	by phone Ph	one Number: 520)-603-1923
	Problems, suggestions:			Report attached	
	Standard fall annual groundy intrusion work has started, a working to ensure employees are minimized. He is also seel	water monitor nd step-out sa are protected king to abando	ing has been o mpling has be and to ensure on some existi	conducted every een completed at e that indoor air ng monitoring w	year. Vapor the site. He is exposures to VOCs rells as well as CW3.
2.	O&M Staff	Ryan Aamot,	Projec	t Geologist,	8/12/2024
	Interviewed: \square at site \square	at office \Box	by phone Ph	one Number: 612	2
	Problems, suggestions:			Report attached	
	GHD does annual groundwat wells, and maintenance of we accessible for sampling etc. In needed. No work has been do decision documents.	er sampling, y lls as necessar nspection of va ne to maintain	vearly inspecti ry. GHD also e apor pins for o n the landfill c	ons of groundwa ensures that mon damage and repa cap as it is not re	ater monitoring hitoring wells are airs is occurring as quired by any
3.	Local regulatory authorities a response office, police departm recorder of deeds, or other city	and response a nent, office of p and county off	agencies (i.e., Soublic health or fices, etc.) Fill	State and Tribal o environmental h in all that apply.	offices, emergency ealth, zoning office,
	Agency: Wisconsin Departm	ent of Natural	Resources (WI	ONR)	
	Contact: Jane Gray, Project Ma	nager, 8/27/202	24, P: (414) 4	35-8021	
	Problems, suggestions:		\boxtimes	Report attached	
	See Attached				
	Agency: City of Wausau				
	Contact: Kevin Fabel, Environr	nental Enngine	er, 8/12/2024,	P: 715-261-674	3
	Problems, suggestions:			Report attached	
	The city has hopes to redevelop consider if CW3 could be deco and only remains in use due to	the East bank mminssioned. the requiremer	of the Site. Th CW3 is costly nt listed in prev	e city also would for the city to ope vious decision doc	like the EPA to erate and maintain, cuments.
	Agency: Click or tap here to	enter text.			
	Contact: Name , Title ,	Click or tap to	enter a date.,	P: Phone Numb	er
	Problems, suggestions:			Report attached	
	Click or tap here to enter text.				
	Agency: Click or tap here to	enter text.			

Site Inspection Checklist

	Contact: Name , Title	, Click or tap to enter a date.,	P: Phone Number					
	Problems, suggestions:							
	Click or tap here to enter text.							
4.	Other Interviews (optional):		Report attached					
	Marathon Electric: Jacob Holty, jacob.hotly@regalrexnord.com, 715-675-8104							
	Marathon Electric continues indoor air sampling, Marath by employees to VOCs. Mara	to monitor the condition of on says they are taking mea othon continues to communi	the landfill cap and sures to prevent post sures to prevent post cate with WDNR an	has conducted sible exposure d EPA.				
	III. ON-SITE DOCUM	IENTS & RECORDS VER	IFIED (Check all that	t apply)				
1.	O&M Documents							
	⊠ O&M manual	\boxtimes Readily available	\boxtimes Up to date	\Box N/A				
	□ As-built drawings	\Box Readily available	\Box Up to date	\Box N/A				
	Maintenance logs	\boxtimes Readily available	\boxtimes Up to date	\Box N/A				
	Remarks: Click or tap here to e	enter text.						
2.	Site-Specific Health and Safe	🛛 Readily availa	able					
	⊠ Contingency Plan/Emergen	🛛 Readily availa	⊠ Readily available					
	Remarks: Click or tap here to e							
3.	O&M and OSHA Training F	Records						
		\Box Readily available	\Box Up to date	\boxtimes N/A				
	Remarks: Click or tap here to e	enter text.						
4.	Permits and Service Agreem	ents						
	🛛 Air discharge permit	\boxtimes Readily available	\boxtimes Up to date	\Box N/A				
	□ Effluent discharge	□ Readily available	\Box Up to date	🖾 N/A				
	□ Waste disposal, POTW	□ Readily available	\Box Up to date	🖾 N/A				
	\Box Other permits: Click or tap							
	Remarks: Click or tap here to e							
5.	Gas Generation Records							
		□ Readily available	\Box Up to date	🖾 N/A				
	Remarks: Click or tap here to e	enter text.						
6.	Settlement Monument Recor	ds						
		□ Readily available	\Box Up to date	🖾 N/A				
-----	-----------------------------------	-------------------------------	--------------------------	-----------------				
	Remarks: Click or tap here to ent	er text.						
7.	Groundwater Monitoring Reco	rds						
		\boxtimes Readily available	\Box Up to date	\Box N/A				
	Remarks: Click or tap here to ent	er text.						
8.	Leachate Extraction Records							
		\Box Readily available	\Box Up to date	🖾 N/A				
	Remarks: Click or tap here to ent	er text.						
9.	Discharge Compliance Records							
	□Air	\Box Readily available	\Box Up to date	\Box N/A				
	⊠Water (effluent)	\boxtimes Readily available	\Box Up to date	\Box N/A				
	Remarks: Click or tap here to ent	er text.						
10.	Daily Access/Security Logs							
		□ Readily available	\Box Up to date	\boxtimes N/A				
	Remarks: Click or tap here to ent	er text.						
		IV. O&M CO	OSTS					
1.	O&M Organization							
	□ State in-house		Contractor for State					
	□ PRP in-house	\boxtimes	Contractor for PRP					
	□ Federal Facility in-house		Contractor for Federal I	Facility				
	Remarks: Click or tap here to ent	er text.						
2	O&M Cost Records							

⊠Readily available	\boxtimes Up to date	\Box Funding mechan	nism/agreement in place
Original O&M cost estin	nate Click or tap here	to enter text.	□ Breakdown attached
Tota	annual cost by year f	for review period if availab	le
From Click or tap to enter a date.	To Click or tap to enter a date.	Total cost Click or tap here to enter text.	□ Breakdown attached
From Click or tap to enter a date.	To Click or tap to enter a date.	Total cost Click or tap here to enter text.	□ Breakdown attached
From Click or tap to enter a date.	To Click or tap to enter a date.	Total cost Click or tap here to enter text.	□ Breakdown attached
From Click or tap to enter a date.	To Click or tap to enter a date.	Total cost Click or tap here to enter text.	□ Breakdown attached
From Click or tap to enter a date.	To Click or tap to enter a date.	Total cost Click or tap here to enter text.	□ Breakdown attached

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

Describe costs and reasons:

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VI work at Site has increased costs for PRPs. CW3 has been quite expensive for the city to keep ooperational. Annual O&M for CW3 is ~\$45,000. A complete redevelopment of CW3 would have costs in the millions of dollars to bring it up to current code according to the PRP.

	V. ACC	ESS AND INSTITUTIONAL CO	NTROLS		
	⊠ Applicable		\Box N/A		
1.	Fencing Damaged	\Box Location shown on site map	□ Gates	secured	🖾 N/A
	Remarks: Click or tap here to ent	ter text.			
2.	Other Access Restrictions	\Box Location shown on site map	□ Gates	secured	
	Remarks: Click or tap here to ent	ter text.			
3.	Institutional Controls (ICs)				
	A. Implementation and Enforc	ement			
	Site conditions imply ICs not	properly implemented	\Box Yes	🛛 No	\Box N/A
	Site conditions imply ICs not	being fully enforced	\boxtimes Yes	🗆 No	□ N/A
	Type of monitoring (e.g., self-	reporting, drive by)	Click or tap h	ere to ente	er text.
	Frequency		Click or tap h	ere to ente	er text.

		Responsible party/agency		Click or t	ap here to ent	er text.
		Contact: Name , Title	, Click or tap to enter a date., P: P	hone Numbe	er	
		Reporting is up-to-date		□ Yes	\Box No	□ N/A
		Reports are verified by the le	ead agency	\Box Yes	\Box No	\Box N/A
		Specific requirements in dee met	d or decision documents have been	□ Yes	□ No	□ N/A
		Violations have been reported	ed	\Box Yes	🗆 No	\Box N/A
		Other problems or suggestio	ns:			
		ICIAP needs to be completed	d			
	B.	Adequacy ICs are	adequate \boxtimes ICs are inad	equate	\Box N/A	
		Remarks: Multiple ICs nee	d to be implemented on site			
4.	Ge	eneral				
	A.	Vandalism/Trespassing	\Box Location shown on site map	🛛 No va	ndalism evide	ent
		Remarks: Click or tap here t	to enter text.			
	B.	Land use changes on site	🖾 N/A			
		Remarks: Click or tap here t	to enter text.			
	C.	Land use changes off site	🖾 N/A			
		Remarks: Click or tap here t	to enter text.			
			VI. GENERAL SITE CONDITION	NS		
1.	Ro	oads	□ Applicable	🖾 N/A		
	A.	Roads damaged	location shown on site map	□ Roads	s adequate	\Box N/A
		Remarks: Click or tap here t	to enter text.			
	B.	Other Site Conditions				
		Remarks: Click or tap here t	to enter text.			
			VII. LANDFILL COVERS			
1.	L	andfill Surface	⊠ Applicable	□ N/A		
	A.	Settlement (Low Spots)	\boxtimes Location Shown on Site Map	□ Settl	ement Not Ev	rident
		Areal Extent: Click or tap he	ere to enter text. Dept	h: Click or t	ap here to ente	er text.
		Remarks: Click or tap here t	to enter text.			
	B.	Cracks	\boxtimes Location Shown on Site Map		king Not Evic	lent

	Lengths: Click or ta to enter text.	widths: Click or tap here to o	enter text.	Depths: Click or tap here to enter text.
	Remarks: Click or t	ap here to enter text.		
C	. Erosion	\Box Location Shown on Site M	ſap	\boxtimes Erosion Not Evident
	Areal Extent: Click	or tap here to enter text.	Depth:	Click or tap here to enter text.
	Remarks: Click or t	ap here to enter text.		
D). Holes	□ Location Shown on Site M	ſap	I Holes Not Evident
	Areal Extent: Click	or tap here to enter text.	Depth:	Click or tap here to enter text.
	Remarks: Click or t	ap here to enter text.		
E	. Vegetative Cover	\boxtimes Grass		Cover Properly Established
	□ Tress/Shrubs (ind	dicate size and locations on a diagram		□ No Signs of Stress
	Remarks: Landfill d	cover/cap is in poor shape.		
F	. Alternative Cover	(armored rock, concrete, etc.)		□ N/A
	Remarks: Click or t	ap here to enter text.		
G	. Bulges	□ Location Shown on Site N	ſap	⊠ Bulges Not Evident
	Areal Extent: Click	or tap here to enter text.	Height	Click or tap here to enter text.
	Remarks: Click or t	ap here to enter text.	C	Å
Н	I. Wet Areas/Water	Damage	s/Water Da	amage Not Evident
	□ Wet Areas	\Box Location Shown on Site Map	Areal Extent: Click or tap here to enter text.	
	\boxtimes Ponding	\boxtimes Location Shown on Site Map	Areal E text.	Extent: Click or tap here to enter
	□ Seeps	□ Location Shown on Site Map	Areal E text.	Extent: Click or tap here to enter
	□ Soft Subgrade	□ Location Shown on Site Map	Areal E text.	Extent: Click or tap here to enter
	Remarks: Click or t	ap here to enter text.		
I.	Slope Instability	□ Location Shown on Site Map	🛛 Slop	pe Instability Not Evident
		□ Slides	Areal E text.	Extent: Click or tap here to enter
	Remarks: Click or t	ap here to enter text.		
2. B	enches	□ Applicable		🖾 N/A
(F	Horizontally construct	ed mounds of earth placed across a ste	ep 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	□ Location Shown on Site Map	🗆 N/A	or Okay
		Remarks: Click or tap	here to enter text.		
	B.	Bench Breached	\Box Location Shown on Site Map	□ N/A	or Okay
		Remarks: Click or tap	here to enter text.		
	C.	Bench Overtopped	\Box Location Shown on Site Map	\Box N/A	or Okay
		Remarks: Click or tap	here to enter text.		
3.	Le	tdown Channels	□ Applicable		⊠ N/A
	(Cl slo wit	nannel lined with erosic pe of the cover and wil hout creating erosion g	on control mats, riprap, grout bags, l allow the runoff water collected l gullies.)	or gabions or y the bench	that descend down the steep side es to move off of the landfill cover
	A.	Settlement	□ Location Shown on Site Map	□ Settl	ement 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 Degradatio	n \Box Location Shown on Site	Map	Degradation Not Evident
		Material Type: Click	or tap here to enter text.	Areal E text.	xtent: Click or tap here to enter
		Remarks: Click or tap	here to enter text.		
	C.	Erosion	\Box Location Shown on Site	Map	□ 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.	Undercutting	\Box Location Shown on Site	Map	□ Undercutting Not Evident
		Areal Extent: Click of	tap here to enter text.	Depth:	Click or tap here to enter text.
		Remarks: Click or tap	here to enter text.		
	E.	Obstructions	\Box Location Shown on Site	Map	□ Undercutting Not Evident
		Type: Click or tap her	re to enter text.		
		Areal Extent: Click or	tap here to enter text.	Size: Cl	lick or tap here to enter text.
		Remarks: Click or tap	here to enter text.		
	F.	Excessive Vegetative	Growth 🛛 Location Shown or	Site Map	□ Excessive Growth Not Evident
		Areal Extent: Click or	tap here to enter text.	□ Vegetation flow	on in channels does not obstruct

Cover Penetrations	\boxtimes Applica	ble	\Box N/A
A. Gas Vents	□ Active		□ Passive
□ Properly secured/locked		\Box Functioning	□ Routinely sampled
\Box Good condition		□ Evidence of lea	kage at penetration
□ Needs Maintenance		🖾 N/A	
Remarks: Click or tap here to ente	er text.		
B. Gas Monitoring Probes			
□ Properly secured/locked		□ Functioning	□ Routinely sampled
\Box Good condition		\Box Evidence of leaf	kage at penetration
□ Needs Maintenance		🖾 N/A	
Remarks: Click or tap here to ente	er text.		
C. Monitoring Wells			
\boxtimes Properly secured/locked		\boxtimes Functioning	\boxtimes Routinely sampled
\boxtimes Good condition		\Box Evidence of leaf	kage at penetration
□ Needs Maintenance		\Box N/A	
Remarks: Click or tap here to ente	er text.		
D. Leachate Extraction Wells			
□ Properly secured/locked		\Box Functioning	\Box Routinely sampled
\Box Good condition		\Box Evidence of leaf	kage at penetration
□ Needs Maintenance		🖾 N/A	
Remarks: Click or tap here to ente	er text.		
E. Settlement Monuments	Located	\Box Routinely Surve	eyed 🛛 N/A
Remarks: Click or tap here to ente	er text.		
Gas Collection and Treatment	□ Applical	ble	⊠ N/A
A. Gas Treatment Facilities			
□ Flaring	□ Therma	l Destruction	\Box Collection for Reuse
\Box Good condition	\Box Needs N	laintenance	

		Good condition	□ Needs Maintenance	\Box N/A
	C	Cas Monitoring Facilities (e.g.	ter text.	or huildings)
	C.	\Box Good condition	\square Needs Maintenance	$\square N/A$
		Remarks: Click or tap here to en	ter text	
6.	Co	ver Drainage Laver	□ Applicable	⊠ N/A
	A.	Outlet Pipes Inspected		□ N/A
		Remarks: Click or tap here to en	ter text.	
	B.	Outlet Rock Inspected	□ Functioning	□ N/A
		Remarks: Click or tap here to en	ter text.	
7.	Det	tention/Sediment Ponds		X/A
	A.	Siltation	□ Siltation Not Evident	\Box 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 ent	ter text.	
	B.	Erosion	□ Erosion Not Evident	
		Areal Extent: Click or tap here to	Depth: Click	or tap here to enter text.
		Remarks: Click or tap here to ent	ter text.	
	C.	Outlet Works	□ Functioning	\Box N/A
		Remarks: Click or tap here to ent	ter text.	
	D.	Dam	□ Functioning	\Box N/A
		Remarks: Click or tap here to ent	ter text.	
8.	Ret	taining Walls	□ Applicable	⊠ N/A
	A.	Deformations	\Box Location Shown on Site Map	Deformation Not Evident
		Horizontal Displacement: Click of	or tap here to enter text.	
		Vertical Displacement: Click or t	ap here to enter text.	
		Rotational Displacement: Click of	or tap here to enter text.	
		Remarks: Click or tap here to en	ter text.	
	B.	Degradation	\Box Location Shown on Site Map	Deformation Not Evident
		Remarks: Click or tap here to ent	ter text.	1
9.	Per	rimeter Ditches/Off-Site Dischar	rge 🛛 Applicable	⊠ N/A

	A.	Siltation	□ Location Sł	nown on Site Map	□ Siltation Not Evident
		Areal Extent: Click or tap here to	o enter text.	Depth: Click	or tap here to enter text.
		Remarks: Click or tap here to en	ter text.		
	B.	Vegetative Growth	\Box Location Sł	hown on Site Map	\Box N/A
		□ Vegetation Does Not Impede	Flow		
		Areal Extent: Click or tap here to	o enter text.	Type: Click	or tap here to enter text.
		Remarks: Click or tap here to en	ter text.		
	C.	Erosion	□ Location Sł	nown on Site Map	□ Erosion Not Evident
		Areal Extent: Click or tap here to	o enter text.	Depth: Click	or tap here to enter text.
		Remarks: Click or tap here to en	ter text.		
	D.	Discharge Structure	□ Functioning	5	\Box N/A
		Remarks: Click or tap here to en	ter text.		
	VIII. VERTICAL BARRIER WALLS				
					⊠ N/A
1.	Set	ttlement 🗆 L	location Shown	on Site Map	□ Settlement Not Evident
	Are	eal Extent: Click or tap here to en	ter text.	Depth: C	lick or tap here to enter text.
	Re	marks: Click or tap here to enter t	ext.		
2.	Pe	rformance Monitoring Typ	e of Monitoring	: Click or tap here to	enter text.
		Performance Not Monitored		□ Evidence of Brea	iching
	Fre	equency: Click or tap here to enter	text.	Head Differential:	Click or tap here to enter text.
	Re	marks: Click or tap here to enter t	ext.		
		IX. GROUND	WATER/SUR	FACE WATER RE	MEDIES
		⊠ Applicable			\Box N/A
1.	Gr	oundwater Extraction Wells, Pu	umps, and Pipe	lines 🛛 🖾 A	pplicable
	A.	Pumps, Wellhead Plumbing, a	nd Electrical		\Box N/A
		\boxtimes Good Condition	All Required	Wells Properly Opera	ting 🛛 Needs Maintenance
		Remarks: CW3 requires frequent	t maintenance.		
	B.	Extraction System Pipelines, V	alves, Valve Bo	oxes, and Other App	ourtenances
		\boxtimes Good Condition			□ Needs Maintenance
		Remarks: Click or tap here to en	ter text.		

	C.	Spare Parts and Equipment		□ Needs to be Provided
		⊠ Readily Available	\boxtimes Good Condition	□ Requires Upgrade
		Remarks: Click or tap here to	enter text.	
2.	Su	rface Water Collection Struc	tures, Pumps, and Pipelines	\Box Applicable \boxtimes N/A
	A.	Collection Structures, Pump	os, and Electrical	
		\Box Good Condition	□ Needs Maintenance	
		Remarks: Click or tap here to	enter text.	
	B.	Surface Water Collection Sy	ystem Pipelines, Valves, Valve B	oxes, and Other Appurtenances
		\Box Good Condition	□ Needs Maintenance	
		Remarks: Click or tap here to	enter text.	
	C.	Spare Parts and Equipment		\Box Needs to be Provided
		□ Readily Available	□ Good Condition	□ Requires Upgrade
		Remarks: Click or tap here to	enter text.	
3.	Tr	eatment System	⊠ Applicable	\Box N/A
	A.	Treatment Train (Check co	mponents that apply)	
		\boxtimes Metals removal	□ Oil/Water Separation	□ Bioremediation
		⊠ Air Stripping	Carbon Absorbers	
		\boxtimes Filters Click or tap here to	enter text.	
		\boxtimes Additive (e.g. chelation age	ent, flocculent) Click or tap here t	o enter text.
		\Box Others Click or tap here to	enter text.	
		\boxtimes Good Condition		□ Needs Maintenance
		\boxtimes Sampling ports properly m	arked and functional	
		\boxtimes Sampling/maintenance log	displayed and up to date	
		\boxtimes Equipment properly identif	fied	
		\boxtimes Quantity of groundwater tr	eated annually : about1.5 billion g	gallons
		\Box Quantity of surface water t	reated annually Click or tap here t	to enter text.
	wi	Remarks: Municipal/ City wa Il be added to the system in 202	ter treatment plant used for treatm 24.	ent was built in 2022. GAC for PFAS
	B.	Electrical Enclosures and Pa	anels (properly rated and functi	onal)
		⊠ 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 Appurtenan	ices	
	⊠ N/A	□ Good Condition	□ Needs Maintenance
	Remarks: Click or tap here to enter text	•	
	E. Treatment Building(s)		
	\Box N/A	\boxtimes Good condition	n (esp. roof and doorways)
	Needs repair	\boxtimes Chemicals and	equipment properly stored
	Remarks Click or tap here to enter text	•	
	F. Monitoring Wells (Pump and Treatm	ent Remedy)	\Box N/A
	\boxtimes Properly secured/locked	\boxtimes Functioning	
	\boxtimes Routinely sampled	\boxtimes All required w	ells located
	\Box Good condition	\boxtimes Needs Mainter	nance
	Remarks CW3 requires frequent maint	enance	
4.	Monitoring Data		
	A. Monitoring Data:		
	\boxtimes Is Routinely Submitted on Time	\boxtimes Is of Acce	ptable Quality
	B. Monitoring Data Suggests:		
	Groundwater plume is effectively contain	ned 🛛 Contamin	ant concentrations are declining
5.	Monitored Natural Attenuation		
	A. Monitoring Wells (natural attenuatio	n remedy)	\Box N/A
	\boxtimes Properly secured/locked \boxtimes Function	oning	\boxtimes Routinely sampled
	\Box All required wells located \Box Needs	Maintenance	\boxtimes Good condition
	Remarks: Wells are located during the mo	onitoeinng events and do	ocumented.
	X. (OTHER REMEDIES	
	If there are remedies applied at the site which describing the physical nature and condition would be soil vapor extraction.	ch are not covered above n of any facility associat	e, attach an inspection sheet ed with the remedy. An example

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.).

Landill cap/cover is in poor condition. Previous FYR noted this as an issue since the cap would not prevent infiltration.

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.

O&M is satisfactory, barring the improperly maintained landfill cap.

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.

Repair costs for CW3 are quite high according to the city of Wausau. CW3 is required to remain in operation per the ROD and CD.

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.

VII. Landfill Covers



Figure: Map provided by the PRP to show areas of landfill cap with ponding, cracks, and settlement.



Image 1: Flocculation tank at Wausau Water Works which was recently constructed in 2022



Image 2: Area on West Bank with improperly maintained cap/asphalt barrier



Image 3: Area inside facility where the old foundry was located and potential VI sampling may occur



Image 4: Photo of landfill cap taken facing south



Image 5: Wausau Chemical building and MW WC5A (overgrown) on the East Bank facing south



Image 6: Interior of the Wausau Chemical building showing that it is clean and maintained



Image 7: Air strippers used at Wausau Water Works to remove VOCs from water



Image 8: Area north of old foundry area where drums had historically been stored



Image 9: View inside of pump house for City Well 3 (CW3)

APPENDIX F – PUBLIC NOTICE AND INTERVIEW



PO Box 659 Wausau WI 54402-0659 Plaintiff,

vs. KEVIN J. HUSNICK 533 S. Hudson Str Antigo, WI 54409 Defendant.

SUMMONS FOR PUBLICATION THE STATE OF WISCONSIN TO: KEVIN J. HUSNICK KEVIN J. HUSNICK You are hereby notified that the Plaintiff named above has filed a lawsuit or other legal action against you. Within forty (40) days after September 6, 2024, you must respond with a written demand for a copy of the Complaint. The demand must be sent or delivered to: Marchten Gourber Clevet of Circuit Court

Marathon County Clerk of Circuit Court, Marathon County Courthouse 500 Forest Street Wausau, WI 54403-5568 and to Plaintiff's attorney, whose address

Weld Riley, S.C. 500 Third Street, Suite 800 P.O. Box 479

Wausau, Wisconsin 54402-0479 You may have an attorney help or repre-

sent you. If you do not demand a copy of the Complaint within forty (40) days, the

Court may grant judgment against you for the award of money or other legal action requested in the Complaint, and you may lose your right to object to anything that is or may be incorrect in the Complaint. A judgment may be enforced as provided by law. A judgment awarding money may become a lien against any real estate you own now or in the future, and may also be enforced by garnishment or seizure

be enforced by garnishment or seizure of property. WELD RILEY, S.C. Attorneys for Plaintiff JOHN A. CRAVENS State Bar #1001261 PLEASE DIRECT ALL CORRESPON-DENCE. INQUIRIES AND PLEADINGS TO: Amy L. Unert! Weld Riley, S.C. 500 Third Street, Suite 800 P. O. Box 479 Waasau, WI 54402-0479 (715) 845-8234 WNAXLP September 6, 13, 20 2024 September 6, 13, 20 2024 LWIX0151951





EPA Issues Explanation of Significant Differences for Wausau Groundwater Contamination Superfund Site Wausau, Wisconsin

Wausau, Wisconsin In March 2024, the U.S. Environmental Protection Agency (EPA) formalized a change to the existing cleanup plan at the Wausau Groundwater Contamination Superfund site in Wausau, WI. The EPA is implementing additional legal restrictions in contaminated areas of the site in order to protect human health and the environment. This modification to the site remedy is documented in the Explanation of Significant Differences (ESD) report. The EPA prepares an ESD when changes to the original selected remedy are significant, but do not fundamentally alter the original remedy's scope, performance, or cost.

scope performance or cost. New legal restrictions include a local municipal ordinance that restricts installation of wells and access to the groundwater plumes, a deed restriction on the former Wausau Chemical facility, and restrictions on groundwater use and potential soil exposure. The ESD document and more information

are available online at <u>www.epa.gov/superfund/wausau-</u> <u>groundwater</u> and at the Marathon County Public Library, 300 N. First St., Wausau.

EPA Begins 7th Review of Wausau Groundwater Contamination Superfund Site

The U.S. Environmental Protection Agency is conducting its 7th five-year review of the Wausau Groundwater Contamination 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 review is expected to be completed in April 2025.

April 2025. The site consists of two contaminant source areas separated by the Wisconsin River. The eastern portion of the site is

Minutes

CITY OF SCHOFIELD

CITY OF SCHOFIELD Regular Council Proceedings August 13, 2024 The City Council of the City of Schofield met in Regular Meeting on the above date at 6:00 PM with Mayor Kregg Hoehn

presiding. ROLL CALL ROLL CALL Members Present:Ward 1 Mike Steele, Ward 1 Kevin Fabel, Ward 2 Jeffrey Pansch, Ward 2 Joan Joss, Ward 3 Scott Dunst, Ward 4 Kari Carroll, Ward 4 Fern

Alvarez Alvarez Also Present:Kregg Hoehn Mayor, Nick Aldrich Sergeant -Everest Metro, Mark Thuot Public Works Admin, Vincent Bonino Assisstant City Attorney, Paula Rummond Clork

Brummond Clerk Member Excused:Ward 3 Tony Sherfinski AUDIENCE REMARKS (Public Comment

ADDITATE A COMMENTATION (Provide Comment There was no public comment. MAYORAL COMMENTS:Discussed taking pictures of 2 of the alder person before the next September Council meeting

meeting. Discussed having an open house in

Discussed having an open house in October. CONSENT AGENDA: RESULT: CARRIED [UNANIMOUS] MOVER: Scott Dunst, Ward 3 SECOND-ER: Joan Joss, Ward 2 AYES: Steele, Fabel, Pansch, Joss, Dunst, Carroll, Alvarez EXCUSED: Tony Sherfinski Approval of Minutes 1. City Council - Regular Meeting - Jun 11, 2024 6:00 PM Approval of Licenses and Permit Applica-tions

Fence Permit - 1822 Grand Avenue Approval of Vouchers and Checks ITEMS MOVED FROM CONSENT AGENDA

AGENDA BUSINESS AGENDA: A. Disbursement Request No. 2 -\$275,970 for Purchase of Street Sweeper RESULT: CARRIED [UNANIMOUS] MOVER: Kari Carroll, Ward 4 SECOND-ER: Fern Alvarez, Ward 4 AYES: Steele, Fabel, Pansch, Joss, Dunst, Carroll, Alvarez EXCUSED: Tony Sherfinski B. Written Municipal Advisor Client Disclo-sure W/The City of Schofield('Client') for 2024 Financial Management Plan Update Update

Update With change to the financial manage-ment plan from 2024-2029 to 2025-2030 RESULT: CARRIED [UNANIMOUS] MOVER: Kari Carroll, Ward 4 SECOND-ER: Joan Joss, Ward 2 AYES: Steele, Fabel, Pansch, Joss, Dunst, Carroll, Alvarez EXCUSED: Tony Sherfinski C. 2025 Schofield Budget Timeline Spoke about the 2025 budget time line. RESULT: NO ACTION D. MSA Professional Service Arreement.

D. MSA Professional Service Agreement D. MSA Professional Service Agreement-Business 51 Trail and Bridge RESULT: CARRIED [UNANIMOUS] MOVER: Scott Dunst, Ward 3 SECONDER: Fern Alvarez, Ward 4 AYES: Steele, Fabel, Pansch, Joss, Dunst, Carroll, Alvarez EXCUSED: Tony Sherfinski E. St. Thereare Discretification Later

Pansch, Joss, Dunst, Carroll, Alvarez EXCUSED: Tony Sherfinski E. St. Therese Discontinuation Letter Request RESULT: NO ACTION F. Resolution No. 2024-16 Discontinu-ance of Paved Alley Ways in Block 2 of C.A. Barwig's First Addition RESULT: CARRIED [UNANIMOUS] MOVER: Kevin Fabel, Ward 1 SECONDER: Kari Carroll, Ward 4 AYES: Steele, Fabel, Pansch, Joss, Dunst, Carroll, Alvarez EXCUSED: Tony Sherfinski G. City of Schofield/Discontinuance of Breenheck Drive, F/K/A Industrial Drive RESULT: CARRIED [UNANIMOUS] MOVER: Scott Dunst, Ward 3 SECOND-ER: Mike Steele, Ward 1 AYES: Steele, Fabel, Pansch, Joss, Dunst, Carroll, Alvarez EXCUSED: Tony Sherfinski H. Certified Survey Map(CSM) -122 Summer Street-Correction RESULT: CARRIED [UNANIMOUS] MOVER: Kari Carroll, Ward 4 SECOND-ER: Jons Joss, Ward 2 AYES: Steele, Fabel, Pansch, Joss, Dunst, Carroll, Alvarez EXCUSED: Tony Sherfinski UNANIMOUS] MOVER: Scott Dunst, Vard 3 SECONDER: Mike Steele, Ward 1 AYES: Steele, Fabel, Pansch, Joss, Dunst, Carroll, Alvarez EXCUSED: Tony Sherfinski J. AT&T, Final Document Approval for Water Tower Agnetic Aprice Aprice Convol

Junst, Carroll, Alvarez EXCUSED: Iony Sherfinski J. AT&T Final Document Approval for Water Tower and Building Space ease Agreement RESULT: CARRIED UNANIMOUS] MOVER: Kari Carroll, Ward 4 SECONDER: Kevin Fabel, Ward I AYES: Steele, Fabel, Pansch, Joss, Dunst, Carroll, Alvarez EXCUSED: Tony Sherfinski

Central States Teamcare Participation A Central States learncare Participation gareaments for Bargaining and Non-Bargaining Units RESULT: CARRIED UNANIMOUS] MOVER: Joan Joss, Nard 2 SECONDER: Mike Steele, Ward AYES: Steele, Fabel, Pansch, Joss, Junst, Carroll, Alvarez EXCUSED: Tony

nerfinski Appointment of Riverside Fire District .. Appointment of Riverside Fire District commission-Abby Klein RESULT: CARRIED [UNANIMOUS] MOVER: Scott Dunst, Ward 3 SECONDER: Joan Joss, Ward 2 AYES: Steele, Fabel, Pansch, Joss, Dunst, Carroll, Alvarez EXCUSED: Tony Sherfinski STAFF REPORTS July 2024 Report

- STAFF REPORTS July 2024 Report Mountain Bay Metro Police Department July 2024 Report 1. Mountain Bay Metro Police Depart-ment July Report July 2024 Report RESULT: NO ACTION Etro Chief
- Fire Chief
- July 2024 Report 1. Riverside Fire Department Reports City Clerk

July 2024 Report ulv Operator's Licenses RESULT: NO **Public Notices**

NOTICE FOR ANNUAL DISTRICT MEETING Section 120.08(1)

Pursuant to Section 120.08(1) notice is hereby given to qualified electors of the Wausau School District, that the annual meeting for the transaction of business, will be held in the Nicholson Board Room, Longfellow Administration Center, 415 Seymour Street, on the 23rd day of September, 2024, at 6 p.m. A budget hearing will be conducted as part of the annual meeting. of September hearing will be conuce annual meeting. Jennifer Paoli, Clerk School Distric

Wausau School District Run: Sep 13 & 19, 2024 WNAXLP

STATE OF WISCONSIN

CIRCUIT COURT MARATHON COUNTY IN THE MATTER OF THE ESTATE OF MARK R. LENAKER NOTICE TO CREDITORS

(Informal Administration) Case No. 24-IN-95 PLEASE TAKE NOTICE: 1. An application for in 1. An application administration was filed. informal The decedent, with a date of birth

The decedent, with a date of birth 07/30/1971 and date of death 09/06/2023, was domiciled in Dakota County, State of Minnesota, with a mailing address of 11018 Rich Valley Blvd., Inver Grove Heights, MN 55077.
 All interseted persons waived notice.
 The deadline for filing a claim against the decedent's estate is December 5, 2024.

A claim may be filed at the Marathon ounty Courthouse, Wausau, Wisconsin,

Room Probate. BY THE COURT: DATE SIGNED: August 29, 2024 Electronically signed by Kim Utte Register in Probate, Probate Registrar Michael B. Winter , Uttech.

Michael B. Winter 835 Fifth Avenue Antigo, WI 54409 (715) 623-2905 Bar Number 1025676

Run: September 06, 13, 20, 2024 WNAXLP

WNAALP STATE OF WISCONSIN CIRCUIT COURT MARATHON COUNTY IN THE MATTER OF THE NAME CHANGE OF: NATASHA MARIE WRIGHT BY NATASHA MARIE WRIGHT Notice and Order for Name Change Hearing Case No. 24CV514 NOTICE IS GIVEN: A petition was filed asking to change the name of the person listed above: From: Natasha Marie Dunphy Birth Certificate: Natasha Marie Dunphy IT IS ORDERED: This petition will be heard in the Circuit IT IS ORDERED: This petition will be heard in the Circuit Court of Marathon County, State of Wisconsin: Judge's Name: Honorable Rick Cveykus Place: Br 2 500 Forest Street Wausau, WI 54403 Date: September 19, 2024 Time: 11:00 AM IT IS FURTHER ORDERED: Notice of this begins heal be ging by IT IS FURTHER ORDERED: Notice of this hearing shall be given by publication as a Class 3 notice for three (3) weeks in a row prior to the date of the hearing in the Wausau Daily Herald a newspaper published in Marathon County County, State of Wisconsin. BY THE COURT: DATE SICONER BY, August 9, 2024 DATE SIGNED BY: August 8, 2024 Electronically signed by Rick Cveykus Circuit Court Judge WNAXLP August 30,September 6,13 2024 LWIX0151470 STATE OF WISCONSIN CIRCUIT COURT MARATHON COUNTY COUNTY IN THE MATTER OF THE NAME CHANGE OF: DEMERI GOVEA TAX BY BELEN TAX-SANDOVAL Notice and Order for Name Change Hearing Notice and Order for Name Change Hearing Case No. 24CV543 NOTICE IS GIVEN: A petition was filed asking to change the name of the person listed above: From: Demeri Govea-Tax To: Demeri Govea-Tax To: Demeri Gavea-Tax Birth Certificate: Demeri Tax IT IS ORDERED: This petition will be heard in the Circuit Court of Marathon County County, State of Wisconsin: Judne's Name: Grenory J Strasser of Wisconsin: Judge's Name: Gregory J Strasser Place: Room 4 500 Forest Street Wausau, WI 54403 Date: October 1, 2024 Time: 9:15am IT IS FURTHER ORDERED:

IT IS FURTHER ORDERED: Notice of this hearing shall be given by publication as a Class 3 notice for three (3) weeks in a row prior to the date of the hearing in the Wausau Daily Herald a newspaper published in Marathon County County, State of Wisconsin. BY THE COURT: DATE SIGNED BY: September 3, 2024 Electronically signed by Gregory, Stas. Electronically signed by Gregory Stras-ser, Circuit Court Judge WNAXLP

eptember 6.13.20 2024 LWIX0153689

You are being sued by the person(s) named above as Plaintiff(s). A copy of the claim has been sent to you at your address as stated in the caption above. The lawsuit will be heard in the following small claims court: MARATHON County Courthouse

If you do not attend the hearing, the court may enter a judgment against you in favor of the person(s) suing you. A copyr address as stated in the caption above. A judgment may be enforced as provided by law. A judgment awarding money may become a lien against any real estate (property) you own now or in the future, and may also be enforced by garnish-ment or seizure of property. You may have the option to Answer without appearing in court on the court date by filing a written Answer with the clerk of court before the court date. You must send a copy of your Answer to the Plaintiff(s) named above at their address. You may contact the clerk of court at the telephone number above to determine if there are other methods to answer a Small Claims complaint in that county.

Your Source Public Notices (



Dated: 09-06-2024 **Your Source** Public Notices



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NOTICE OF BUDGET HEARING Section 65.90(4)

for the latest...

Notice is hereby given to the qualified electors of the Wausau School District that the budget hearing on the proposed 2024-25 budget for the Wausau School District will be held in the Nicholson Board Room, Longfellow Administration Center, 415 Seymour Street, on Monday, September 23, 2024 at 6 p.m. in conjunction with the Annual School Meeting. The summary of the budget is printed below. Detailed copies of the proposed budget are available for inspection in the District's Business Office located at 415 Seymour Street between the hours of 8:00 a.m. and 3:00 p.m.

	AUDITED 2022-2023	UNAUDITED 2023-2024	BUDGET 2024-2025
FUND 10 - GENERAL FUND Beginning Fund Balance	33,263,864	32,280,272	30,250,202
Ending Fund Balance REVENUES & OTHER FINANCING SQURCES	32,280,272	30,250,202	28,762,771
General(Source 100) Local Sources (Source 200)	0 29.185.515	0 25.515.111	0 21.418.089
Interdistrict Payments (Source 300 + 400)	2,196,786	2,210,758	2,214,407
State Sources (Source 600)	73,560,135	79,756,593	86,217,175
All Other Sources (Source 700) All Other Sources (Source 800 + 900)	8,640,979 1,154,503	7,857,601 858,111	5,746,919
TOTAL REVENUES & OTHER FINANCING SOURCES - FUND 10 EXPENDITURES & OTHER FINANCING USES	114,842,386	116,200,071	117,141,590
Instruction (Function 100 000) Support Services (Function 200 000)	53,915,100 43,767,188	54,998,332 43,512,457	55,202,117 43,673,684
Non-Program Transactions (Function 400 000) Operating Transfer Out	7,178,693 10,964,997	8,226,657 11,492,676	8,257,139 11,496,081
TOTAL EXPENDITURES & OTHER FINANCING USES - FUND 10	115,825,978	118,230,122	118,629,02
Beginning Fund Balance	0	0	(
REVENUES & OTHER FINANCING SOURCES	8,412,321	8,639,835	8,272,876
EXPENDITURES & OTHER FINANCING USES	19,295,453	20,047,371	19,680,412
OTHER FUND 20 - SPECIAL PROJECTS FUND Beginning Fund Balance	1,558,054	1,625,962	1,635,274
Ending Fund Balance REVENUES & OTHER FINANCING SOURCES	1,625,962 2,378,763	1,635,274 2,354,261	1,635,274
EXPENDITURES & OTHER FINANCING USES FUND 30 - DEBT SERVICE FUND	2,310,855	2,344,949	2,300,000
Beginning Fund Balance	11,792,418 14 560 765	14,560,765 8 554 640	8,554,640 8 102 024
REVENUES & OTHER FINANCING SOURCES	23,022,941	24,964,889	24,285,220
EXPENDITURES & OTHER FINANCING USES	20,336,459	85,140 31,056,154	24,826,38
FUND 40 - Capital Projects Beginning Fund Balance	0	83,388,710	65,256,925
Ending Fund Balance REVENUES & OTHER FINANCING SOURCES	83,388,710 102,153,562	65,256,925 23,504,940	1,500,000
EXPENDITURES & OTHER FINANCING USES	18,764,852	41,636,725	66,756,925
Beginning Fund Balance Ending Fund Balance	2,083,282 2 250 517	2,250,517	2,371,747
REVENUES & OTHER FINANCING SOURCES	167,235	121,230	5,000
FUND 50 - FOOD-SERVICE FUND	0	0	
Beginning Fund Balance Ending Fund Balance	2,133,761 2,484,131	2,484,131 2,486,162	2,486,162 2,419,325
REVENUES & OTHER FINANCING SOURCES	5,136,263 4 785 893	5,106,632 5,104,601	5,139,500
FUND 73 - EMPLOYEE BENEFIT TRUST FUND	2,092,656	4 212 100	4 700 704
Ending Fund Balance	4,313,190	4,313,190	4,723,791
EVENUES & OTHER FINANCING SOURCES EXPENDITURES & OTHER FINANCING USES	3,287,422 2,956,888	2,619,719 2,209,118	2,269,997 2,269,997
FUND 80 - COMMUNITY SERVICE FUND Beainning Fund Balance	542.602	538.874	487.619
	538,874	487,619	792 200
EXPENDITURES & OTHER FINANCING USES	665,928	713,455	1,279,819
TOTAL EXPENDITURES AND OTHER FIN	184 942 306	221 342 495	240 948 892
Interfund Transfers (Source 100) - ALL FUNDS	-10,964,997	-11,492,676	-11,496,081
NET TOTAL EXPENDITURES - ALL FUNDS	173,977,309	209,849,819	229,452,811
EXPENDITURES FROM PRIOR YEAR	29.79%	20.62%	9.34%
Fund 10 - General Fund	_EVY 28,545,714	24,550,622	20,597,589
Fund 30 - Referendum Debt Service Fund Fund 30 - Non-Referendum Debt Service Fund	16,924,407 2,102,619	22,275,000 2,104,070	22,275,000
Fund 80 - Community Service	662,200	662,200	792,200
PERCENT CHANGE FROM PRIOR YEAR	48,234,940	49,591,892 2.81%	45,763,554
EQUALIZED PROPERTY VALUE** EQUALIZED TAX RATE PER THOUSAND	5,160,532,708 9.36	5,617,078,411 8.83	<u>6,177,521,343</u> 7.41
**Assumes 9.08% Change In Equalized Valuation for the 2023-24 Budget	_		
ENERGY EFFICIENCY EXEMPTION - Phase 2 § 121.91 (4) (o) Revenue Limit Exemption for Energy Efficiencies - Evaluation	ation of the Energ	y Performance	Indicators
Name of Qualified Contractor Performance Contract Length (years)		Nexus Solutions	1(
Total Project Cost (including financing)			\$11,512,434
Years of Debt Payments			10
Remaining Useful Life of the Facility Prior Year Planned Expense Amount	Fiscal Year	2024	40 \$1,040,675
Prior Year Related Expense Amount or CY debt levy applied in	Fiscal Year Fiscal Year	2024 2024	\$984,494 \$56,181
reported	Savin	as Reported for	\$58,428
	Project Cost	Litility Cost	Non - Utility
Specific Energy Efficiency Measure or Products	Financing	Savings	
Controls Improvements - Elementary Schools	\$731.567	\$7,344	\$26,949
HVAC and Controls Improvements - Elementary Schools		©20 8521	\$423,022
Controls improvements - norace Main No	\$5,415,376 \$538,577	\$3,848	\$59,145
HVAC and Controls Improvements - John Muir MS Controls Improvements - Maintenance Building	\$5,415,376 \$538,577 \$164,565 \$73,306	\$3,848 \$4,415 \$392	\$59,145 \$36,201 \$17,175
VAC and Controls Improvements - John Muir MS Controls Improvements - John Muir MS Controls Improvements - Maintenance Building HVAC and Controls Improvements - West High School	\$5,415,376 \$538,577 \$164,565 \$73,306 \$1,254,323	\$20,832 \$3,848 \$4,415 \$392 \$9,645	\$59,145 \$36,207 \$17,175 \$125,456
VAC and Controls Improvements - John Muir MS Controls Improvements - John Muir MS Controls Improvements - Maintenance Building HVAC and Controls Improvements - West High School Electrical Infastructure Improvements Entrire Energy Efficiency Totals	\$5,415,376 \$538,577 \$164,565 \$73,306 \$1,254,323 \$3,279,666 \$11,512,434	\$20,022 \$3,848 \$4,415 \$392 \$9,645 \$4,857 \$58,428	\$59,145 \$36,20 \$17,175 \$125,456 \$546,546 \$1,376,448
Controls Improvements - Holade Maint MS Controls Improvements - John Muir MS Controls Improvements - Maintenance Building HVAC and Controls Improvements - West High School Electrical Infastructure Improvements Entire Energy Efficiency Totals ENERGY EFFICIENCY EXEMPTION - Phase 3	\$5,415,376 \$538,577 \$164,565 \$73,306 \$1,254,323 \$3,279,666 \$11,512,434	\$20,832 \$3,848 \$4,415 \$392 \$9,645 \$4,857 \$58,428	\$59,145 \$36,20 \$17,175 \$125,456 \$546,546 \$1,376,448
HVAC and Controls Improvements - John Muir MS Controls Improvements - John Muir MS Controls Improvements - John Muir MS Electrical Infastructure Improvements Entire Energy Efficiency Totals ENERGY EFFICIENCY EXEMPTION - Phase 3 § 121.91 (4) (o) Revenue Limit Exemption for Energy Efficiencies - Evalua Name of Qualified Contractor	\$5,415,376 \$538,577 \$164,565 \$73,306 \$1,254,323 \$3,279,666 \$11,512,434	\$20,832 \$3,848 \$4,415 \$392 \$9,645 \$4,857 \$58,428 / Performance I Nexus Solutions	\$59,14 \$36,20 \$17,17 \$125,456 \$546,546 \$1,376,448 ndicators
VAC and Controls Improvements - John Muir MS Controls Improvements - John Muir MS Controls Improvements - John Muir MS Electrical Infastructure Improvements Entire Energy Efficiency Totals ENERGY EFFICIENCY EXEMPTION - Phase 3 § 121.91 (4) (o) Revenue Limit Exemption for Energy Efficiencies - Evalua Name of Qualified Contractor Performance Contract Length (years) Total Project Cost (including financing)	\$5,415,376 \$538,577 \$164,565 \$73,306 \$1,254,323 \$3,279,666 \$11,512,434	\$20,832 \$3,848 \$4,415 \$392 \$9,645 \$4,857 \$58,428 / Performance I Nexus Solutions	\$59,14 \$36,201 \$17,175 \$125,456 \$546,546 \$1,376,448 ndicators 10 \$11,677,838
Valca and Controls Improvements - John Muir MS Controls Improvements - John Muir MS Controls Improvements - West High School Electrical Infastructure Improvements Entire Energy Efficiency Totals ENERGY EFFICIENCY EXEMPTION - Phase 3 § 121.91 (4) (0) Revenue Limit Exemption for Energy Efficiencies - Evalua Name of Qualified Contractor Performance Contract Length (years) Total Project Cost (including financing) Total Project Payback Period Years of Debt Payments	\$5,415,376 \$538,577 \$164,565 \$73,306 \$1,254,323 \$3,279,666 \$11,512,434	\$20,832 \$3,848 \$4,415 \$392 \$9,645 \$4,857 \$58,428 / Performance I Nexus Solutions	\$59,14: \$36,20: \$17,17: \$125,456 \$546,546 \$1,376,448 ndicators 10 \$11,677,838 12,107,838 11,677,839 12,107,107,107,107,107,107,107,107,107,107
VacC and Controls Improvements - John Muir MS Controls Improvements - John Muir MS Controls Improvements - West High School Electrical Infastructure Improvements Entire Energy Efficiency Totals ENERGY EFFICIENCY EXEMPTION - Phase 3 § 121.91 (4) (o) Revenue Limit Exemption for Energy Efficiencies - Evalua Name of Qualified Contractor Performance Contract Length (years) Total Project Cost (including financing) Total Project Cost (including financing) Total Project Cost (including financing) Years of Debt Payments Remaining Useful Life of the Facility	\$5,415,376 \$538,577 \$164,565 \$73,306 \$1,254,323 \$3,279,666 \$11,512,434	\$20,832 \$3,848 \$4,415 \$392 \$9,645 \$4,857 \$58,428 / Performance I Nexus Solutions	\$59,14 \$36,20 \$17,17? \$125,456 \$546,546 \$1,376,448 ndicators 11 \$11,677,838 12,07 10 \$11,677,838 12,07 10 \$11,677,838 12,07 10 \$11,677,838 12,07 10 \$11,677,838 12,07 10 \$11,677,838 12,07 10 \$11,677,838 12,07 10 \$11,677,838 12,07 10 \$11,677,838 12,07 10 \$11,677,838 12,07 10 \$11,677,838 12,07 10 \$11,077 12,07 10 \$11,077 12,075 10 \$11,077 10 \$10,077 10 \$10,077 10 \$10,077 10 \$10,077 10 \$10,077 10 \$10,077 10 \$10,077 10 \$10,077 10 \$10,077 10 \$10,077 10 \$10,077 10 \$10,077 10 \$10,077 10 \$11,077 10 \$10,077 10 10 10 10 10 10 10 10 10 10 10 10 10
VAC and Controls Improvements - John Muir MS Controls Improvements - John Muir MS Controls Improvements - John Muir MS Controls Improvements - West High School Electrical Infastructure Improvements Entire Energy Efficiency Totals ENERGY EFFICIENCY EXEMPTION - Phase 3 § 121.91 (4) (o) Revenue Limit Exemption for Energy Efficiencies - Evalua Name of Qualified Contractor Performance Contract Length (years) Total Project Cost (including financing) Total Project Cost (including financing) Total Project Payback Period Years of Debt Payments Remaining Useful Life of the Facility Prior Year Planned Expense Amount Prior Year Related Expense Amount or CY debt levy	\$5,415,376 \$538,577 \$164,565 \$73,306 \$1,254,323 \$3,279,666 \$11,512,434 tion of the Energy Fiscal Year Fiscal Year	\$20,832 \$3,848 \$4,415 \$392 \$9,645 \$4,857 \$58,428 / Performance I Nexus Solutions 2024 2024	\$59,14 \$36,20 \$17,17 \$125,45(\$1,376,44(1,376,44(1,1,677,83(12.0 11,677,83(12.0 11,677,83(12.0 11,11,677,83(12.0 11,11,677,83(11,11,11,11,11,11,11,11,11,11,11,11,11,
Viticity Structures Vitic	\$5,415,376 \$538,577 \$164,565 \$73,306 \$1,254,323 \$3,279,666 \$11,512,434 tion of the Energy Fiscal Year Fiscal Year Fiscal Year	\$20,832 \$3,848 \$4,415 \$392 \$9,645 \$4,857 \$58,428 / Performance I Nexus Solutions 2024 2024 2024	\$59,14 \$36,20 \$17,17 \$125,454 \$546,544 \$1,376,44 \$1,376,44 \$11,677,83 \$11,677,83 \$12,0 \$11,677,83 \$1,146,93 \$1,146,93 \$1,117,97 \$28,966 \$30,118
Vision and Controls Improvements - John Muir MS Controls Improvements - John Muir MS Controls Improvements - West High School Electrical Infastructure Improvements Entire Energy Efficiency Totals ENERGY EFFICIENCY EXEMPTION - Phase 3 § 121.91 (4) (o) Revenue Limit Exemption for Energy Efficiencies - Evalua Name of Qualified Contractor Performance Contract Length (years) Total Project Cost (including financing) Total Project Cost (including financing) Total Project Payback Period Years of Debt Payments Remaining Useful Life of the Facility Prior Year Related Expense Amount Prior Year Related Expense Amount or CY debt levy Utility Savings applied in Prior Year to Debt Sum of reported Utility Savings to be applied to Debt	\$5,415,376 \$538,577 \$164,565 \$73,306 \$1,254,323 \$3,279,666 \$11,512,434 Fiscal Year Fiscal Year Fiscal Year Fiscal Year Fiscal Year Fiscal Year	\$20,832 \$3,848 \$4,415 \$392 \$9,645 \$4,857 \$58,428 / Performance I Nexus Solutions 2024 2024 2024 2024 2024	\$59,14 \$36,20 \$17,17? \$125,456 \$546,546 \$1,376,448 ndicators 11 \$11,677,838 12.0 \$11,167,935 \$12,20 \$1,117,975 \$28,960 \$30,118 : 2024
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Number of clerk of court: Telephone Nu 715-261-1000 Courtroom/Room Number: Address: 500 Forest Street Address: Address: City: Wausau, WI 54403 on the following date and time: Date: 10/9/2024 Time: 10:00 AM

If you do not attend the hearing, the court

225 S. Executive Dr. Suite 201 Brookfield, WI. 53005 262-641-3715 WNAXLP September 13 2024 LWIX0158176

Summons

State Bar # 1118647 9/11/2024

Dobberstein Law Firm, LLC

Public Sale

HAMS

Electronically Signed by JACOB L

CLASSIFIED!

く / Public Sale

NOTICE OF PUBLIC SALE:

Notice is hereby given that the undersigned intends to sell the personal property described below to enforce a lien imposed on said property under the Wisconsin Self Storage Facility Act Statues (325704.90 Sections 1-35). The undersigned will sell at a public sale by competitive bidding on October 1st, 2024, at 12:00 PM on www.lockerfox.com. Said property is at www.Lockerfox.com. Said property is at: Stor-In-Dor. 200 S 18th Ave. Wausau. WI 54401

The following

Name: D. Hoeye Unit: 115 Contents: Elizabeth Cappel 294 Full House

Purchases must be paid for at the time of purchase by cash only. All purchased items are sold as is, where is, and must be removed at the time of sale. Sale is subject to cancellation in the event of settlement between owner and obligated party

River. The eastern portion of the site is related to solvent spills from the former Wausau Chemical facility, and the western portion is related to the former City of Wausau landfill. EPA's cleanup of volatile organic compounds at the site consisted of several extraction wells and treatment systems, two soil vapor extraction systems, a landfill cover over the waste area land, and groundwaterusa

area, land and groundwater-use restrictions, and groundwater monitoring. In 2020 during the previous five-year review, the EPA deferred protectiveness of the remedy due to a lack of vapor intrusion data. The EPA expects to mase

In the remery due to a lack of vapor intrusion data. The EPA expects to make a protectiveness determination in 2028 after testing. In 2023 and 2024, the EPA oversaw vapor intrusion sampling at commercial buildings which were identified as potential vapor intrusion risks based on their proximity to source areas or elevated groundwater concentrations. Results did not show any health risks related to vapor intrusion, except for one indoor air exceedance. In March 2024, the EPA released a significant modification to the existing site remedy in order to protect human health and the environment. The change imposes additional municipal ordinances and land use restrictions, which are documented in an Explanation of Significant Differences. The five-year eview is an opportunity for

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

Karen Chen Community Involvement Coordinator 312-886-6009 chen.karen01@epa.gov Michael Holt Remedial Project Manager 312-353-6704 holt.michael@epa.gov You may also call EPA toll-free at 800-621-8431, 8:30 a.m. to 4:30 p.m., weekdays. Run: September 13, 2024 WNAXLP

Request for Proposals (RFP) - Rib Mountain Sign Design & Replacement Project The Village of Rib Mountain is seeking proposals from qualified firms for the replacement of entry and park signage at various locations within our commu-nity (11 total signs). Further information regarding the RFP can be found on the Village website at www.ribmountainwi. gov or by contacting the Municipal Center at 715-842-0983. WNAXLP September 13 2024

September 13 2024 LWIX0157978

TOWN OF TEXAS APPLICATION FOR A BOARD OF APPEALS HEARING

Daniel Preibe requested a hearing before the TOWN OF TEXAS BOARD OF APPEALS for the property located and described as: 242602 County Road J, Wausau WI located in Section 24 T30N R8E PTOF THE N ½ OF THE SE ¼ LOT 1 CSMVOL63 PG 96 (#14269) (DOC #1440445) 53.68 ACRES.

#1440445) 53.68 ACRES. The appeal is to build a structure within 10' of the abutting property line due to wetland limitations on the west side of the location. The Zoning Ordinance 17.49(5) (f) allows existing lots to request a vari-ance to less than allowed 25' in side yard of an existing parcel. All property owners that are within 300 feet of the parcel are being notified per ordinance. September 23, 2024 at 7:00 PM a Special Meeting of the Board of Appeal will hear this appeal. Town of Texas Clerk WNAXLP September 13, 17 2024

September 13, 17 2024 LWIX0158000

TIÔN City Treasurer July 2024 Report 1. July 2024 Budget to Actual RESULT: NO ACTION NO ACTION Public Works Director July 2024 Report COMMITTE/COMMISSION REPORTS County Board Report- Bill Conway July 2024 Report Public Works/Personnel Committee-Dunst & Joss MSA Agreement and Summer help leaving aving inance/Economic Redevelopment iomittee- Carroll & Steele-None udiciary/Health & Sanitation Committee-abel & Sherfinski-None Public Property/Parks & Recreation -vansch & Alvarez-None Riverside Fire District-Dunst liscussed information on the new Fire Department Ladder Truck purchase. Vater & Sewer Commission- Carroll-lone None CDA-Hoehn-None Area Transit Report-Joss-None SET FUTURE MEETING DATES September 10, 2024 DIOURNMENT ADJOURNMEN I The meeting was adjourned at 6:40 PM. RESULT: CARRIED [UNANIMOUS] MOVER: Kevin Fabel, Ward 1 SECOND-ER: Scott Dunst, Ward 3 AYES: Steele, Fabel, Pansch, Joss, Dunst, Carroll, Alvarez EXCUSED: Tony Sherfinski Winutes submitted by Paula Brummond-Clerk WNAXLP ber 13 2024 September 13 LWIX0158323 Notice To Creditors

CLAIMS DEADLINE NOTICE IN THE MATTER OF KJK FAMILY TRUST DATED APRIL 1, 2022 Pursuant to Section 701.0508, Wisconsin Statutes, Kenneth S. Kramer, as succes-sor trustee of KJK Family Trust dated April 1, 2022, with power to pay the debts of Jodi L. Kraft, D.O.D. November 24, 2021, hereby provides notice that the deadline for the filing claims for payment of debts of Jodi L. Kraft with Kenneth S. Kramer, as Trustee of the KJK Family Trust dated April 1, 2022, is January 6, 2025, being the date four (4) months after the date of the first insertion of the Notice.

Notice. By: /s/Kenneth S. Kramer 651 Hoganwood Circle Sobieski, WI 54171 WNAXI P September 6,13,20 2024 LWIX0152669

CLAIMS DEADLINE NOTICE IN THE MATTER OF BETTY L. FELLENZ REVOCABLE TRUST DATED JANUARY 20, 2006 Pursuant to Section 701.0508, Wisconsin Statutes, Jackie J. Pursuant to Section 701.0508, Wisconsin Statutes, Jackie L, Karau, as successor trustee of Betty L. Fellenz Revocable Trust dated January 20, 2006, with power to pay the debts of Betty L. Fellenz, D.O.D. April 13, 2024, hereby provides notice that the deadline for the filing claims for payment of debts of Betty L. Fellenz with Jackie L. Karau, as Trustee of the Betty L. Fellenz Revocable Trust dated January 20, 2006, is January 13, 2025, being the date four (4) months after the date of the first insertion of the Notice.

Notice. By: /s/Hougum Law Firm, LLC 305 S 18th Avenue, Suite 200 P.O. Box 1516 Wausau, WI 54402 WNAXLP September 13,20,27 2024 LWIX0156011

STATE OF WISCONSIN CIRCUIT COURT MARATHON COUNTY IN THE MATTER OF THE NAME CHANGE OF: DAVID CHRISTOPHER HASKIN BY DAVID CHRISTOPHER HASKIN Notice and Order for Name Change Hearing Hearing Case No. 24CV565 NOTICE IS GIVEN: A petition was filed asking to change the name of the person listed above: From: David Christopher Haskin To: David Christopher Budnik Birth Certificate: David Christopher Budnik Budnik IT IS ORDERED: This petition will be heard in the Circuit Court of Marathon County, State of Wisconsin: Wisconsin: Judge's Name: Michael Moran Place: Branch 5 500 Forest Street Wausau WI 54401 Date: October 8, 2024 Time: 3:45PM Time: 3:45PM IT IS FURTHER ORDERED: Notice of this hearing shall be given by publication as a Class 3 notice for three (3) weeks in a row prior to the date of the hearing in the Wausau Daily Herald a newspaper published in Marathon County, County, State of Wisconsin. BY THE COURT: DATE SIGNER BY: August 28, 2024 DATE SIGNED BY: August 28, 2024 Electronically signed by Michael Moran WNAXLP September 13,20,27 2024 LWIX0155896 STATE OF WISCONSIN CIRCUIT COURT

MARATHON COUNTY MARATHON COUNTY IN THE MATTER OF THE NAME CHANGE OF: ANDREW MICHAEL KRATWELL BY ANDREW MICHAEL KRATWELL Notice and Order for Name Change Notice and Order for Name Change Hearing Case No. 24CV585 NOTICE IS GIVEN: A petition was filed asking to change the name of the person listed above: From: Andrew Michael Kratwell To: Andrew Michael Kohl Birth Certificate: Andrew Michael Kratwell IT IS ORDERED: This petition will be heard in the Circuit Court of Marathon County, State of Wisconsin: Court of Marathon County, State of Wisconsin: Judge's Name: Marathon County Circuit Court Place: Branch 1 500 Forest Street Wausau WI 54403 Date: October 8, 2024 Time: 09:10AM IT IS FURTHER ORDERED: Notice of this hearing shall be given by publication as a Class 3 notice for three (3) weeks in a row prior to the date of the hearing in the Wausau Daily Herald a newspaper published in Marathon County, State of Wisconsin. BY THE COURT: a newspaper published in Marathon County, State of Wisconsin. BY THE COURT: DATE SIGNED BY: September 10, 2024 Electronically signed by Andrew Kratwell WNAXLP September 13,20,27 2024 LWIX0158017

く / Summons

STATE OF WISCONSIN, CIRC COURT, MARATHON COUNTY Case No. 2024SC001424 CIRCUIT

Plaintiff(s): Salander Enterprises, LLC 225 S. Executive Dr. Brookfield WI 53005

VC: Defendant(s): KEVIN RIEGEL 1401 ELM ST APT 113 WAUSAU WI 54401-4697

TO THE PERSON(S) NAMED ABOVE AS DEFENDANT(S):



SELL IT	BUY I
cars	pets
garage sales	instruments
tickets	jewelery
antiques	furniture
motorcycles	auctions
computers	collectibles
boats	jobs
sports	appliances

yard

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WDNR FYR Site Inspection Interview Response

"Generally, it appears that the site is adequately responding to EPA and DNR's feedback regarding assessing potential migration pathways and receptors to work to protect human health and the environment. Specifically, the DNR is supportive of the ongoing vapor assessment work within the Marathon Electric (west bank) buildings. The DNR has concerns about increasing contaminant trends in groundwater post decommissioning of extraction well (EW) 1. Additionally, the DNR understands that there have been security concerns around access to the stairwell adjacent to EW-1. The DNR understands that the City of Wausau is considering potential redevelopment of the east bank portion of the site and is supportive of redevelopment and will provide feedback as needed on maintaining protective conditions for any future redevelopment that may occur. The DNR looks forward to collaborating with the EPA to request PFAS evaluation and/or assessment at the site. The DNR has been kept informed and updated as necessary and participates in monthly site update calls between EPA, the responsibly parties and their applicable consultants. The DNR has not been contacted by the community with any concerns about the project."