

*** All present are expected to conduct themselves in accordance with our City's Core Values ***



OFFICIAL NOTICE AND AGENDA

of a meeting of a City Board, Commission, Department Committee, Agency, Corporation, Quasi-Municipal Corporation or Sub-unit thereof.

Notice is hereby given that the Park and Recreation Committee of the City of Wausau, Wisconsin will hold a regular or special meeting on the date, time and location shown below.

Meeting of the:	PARKS AND RECREATION COMMITTEE OF THE CITY OF WAUSAU
Date/Time:	<u>Monday, December 7, 2020 at 4:30pm</u>
Location:	City Hall (407 Grant Street, Wausau WI 54403) - Council Chambers
Members:	Tom Neal, Patrick Peckham, Tom Kilian, Lou Larson, Sarah Watson

AGENDA ITEMS FOR CONSIDERATION (All items listed may be acted upon)

- 1 Call the Meeting to Order
- 2 Public Comment or Suggestions
- 3 Approve Minutes - October 5, 2020
- 4 Discussion and Possible Action Regarding Riverside Park Soil Remediation
- 5 Discussion and Possible Action Regarding 2021 Work Plan
- 6 Discussion and Possible Action Considering Proposed Amendments to Chapter 9 of the Wausau Municipal Code
- 7 Educational Items
 - A. 2020 Year in Review
 - B. Dog Park Special Committee Update
 - C. Budget Update
 - D. Preliminary Pool Operation Plan
- 8 Future Agenda Items -
- 9 Next Meeting Date - Monday, January 4, 2021 at 4:30pm
- 10 Adjournment

Pat Peckham, Chair

Due to the COVID-19 pandemic, this meeting is being held in person and via teleconference. Members of the media and the public may attend in person, subject to the social distancing rules of maintaining at least 6 feet apart from other individuals, or by calling 1-408-418-9388. The Access Code is 146 008 7298. Password: ParkComm12072020 (7275266612072020 from phones).

Individuals appearing in person will either be seated in the Council Chambers or an overflow room, subject to the social distancing rules. Space available will be on a first come, first served basis. All public participants' phones will be muted during the meeting. Members of the public who do not wish to appear in person may view the meeting live on the City of Wausau's YouTube Channel <http://www.tinyurl.com/WAAMedia>, over the internet by <https://waam.viebit.com/?folder=ALL>, live by cable TV, Channel 981, and a video is available in its entirety and can be accessed at <https://tinyurl.com/WausauCityCouncil>. Any person wishing to offer public comment who does not appear in person to do so, may e-mail Jamie.polley@co.marathon.wi.us with "Parks Committee public comment" in the subject line prior to the meeting start. All public comment, either by email or in person, will be limited to items on the agenda at this time. The messages related to agenda items received prior to the start of the meeting will be provided to the Chair.

In accordance with the requirements of Title II of the Americans with Disabilities Act of 1990 (ADA), the City of Wausau will not discriminate against qualified individuals with disabilities on the basis of disability in its services, programs or activities. If you need assistance or reasonable accommodations in participating in this meeting or event due to a disability as defined under the ADA, please call the ADA Coordinator at (715) 261-6590 or ADAServices@ci.wausau.wi.us to discuss your accessibility needs. We ask your request be provided a minimum of 72 hours before the scheduled event or meeting. If a request is made less than 72 hours before the event the City of Wausau will make a good faith effort to accommodate your request.

This Notice was posted at City Hall and faxed to the Daily Herald newsroom on 12/2/2020 @ 2:30 p.m. Questions regarding this agenda may be directed to Jamie Polley, Park Office (715) 261-1550.

Distribution List: City Website, Media, WSD-Admin, Alderpersons, Mayor, Polley, Dept. Staff, Maryanne Groat, Brad Lenz, Eric Lindman, Lance Leonhard, Wisconsin Woodchucks, Wausau Events, Public Access, Wausau River District

AGENDA SUMMARY

4. Discussion and Possible Action Regarding Riverside Park Soil Remediation

In your packet you will find the full history of the results of all dioxin/furan testing at Riverside Park with the map of locations. In consulting with REI staff felt it would be best to include all data, current and historical, for inclusion into our findings and report for DNR. Below is a brief history and definition of how the TEQ's are used and also the NR720 standard which the WDNR will be using to evaluate these results.

- *Concerning the TEQ values, the U.S. Department of Health and Human Services' Agency for Toxic Substances and Disease Registry (ATSDR) developed a guidance in 1998 at the request of the EPA to evaluate the protectiveness of the EPA Superfund Policy for Dioxins in Residential Soils which established a 1 ppb (1,000 ppt) total dioxin equivalents (TEQ) as the starting point for making clean-up decisions at Superfund sites. ATSDR's 1998 guidance, for human exposure for direct ingestion of soils contaminated with dioxin and dioxin-like compounds in residential areas, established a screening level of 0.05 ppb (50 ppt). The guidance had also established an evaluation level (0.05-1 ppb), and an action level (>1ppb), but in 2006 removed the action level due to misinterpretation and inconsistent usage.*

Based on what I have read the screening level was intended to result in additional evaluation by health assessors. Based on the updated tables utilizing the 0.05 ppb (50ppt) value the samples with concentrations exceeding this threshold had a one-to-one correlation with samples which exceeded the WDNR NR720 Cumulative Cancer Risk (Non-Industrial).

Previously the 2,3,7,8-TCDD TEQ values for each sample were being compared to the NR720 Groundwater Pathway Protection (30 ppt), Industrial Direct Contact (21.8 ppt), and Non-Industrial Direct Contact (4.82 ppt) RCLs. However, based on the 62 sample points (historic and current), using this method resulted in 32 samples exceeding the 2, 3, 7, 8-TCDD RCLs for the calculated 2, 3, 7, 8-TCDD TEQ. When looking at only individual compounds, 19 samples identified concentrations exceeding the NR720 state soil standards for at least one (1) dioxin/furan. Of these 19 samples seven (7) also exceeded the NR720 Cumulative Cancer Risk with four (4) also exceeding the WDNR NR720 Cumulative Hazard Index.

The Committee will discuss these results and provide direction to staff on the next steps. REI will be present at the meeting to discuss these results further and answer any questions the Committee might have.

5. Discussion and Possible Action Regarding 2021 Work Plan

Staff will present the Committee with the 2021 work plan for the department. The Committee is asked to review the 2021 work plan and provide staff with input on priority tasks.

6. Discussion and Possible Action Considering Proposed Amendments to Chapter 9 of the Wausau Municipal Code.

The proposed amendments are a result to changes being made to Chapter 19 of the Marathon County Code of Ordinances. Chapter 19 governs county parks similar to Chapter 9 of the Municipal Code. In the governing of the parks the City and County park ordinances have been written to mirror each other in most areas. The proposed changes are based on recommendations by the Recreation Deputies to clarify and enhance a number of ordinances where questions have arisen in the field over the past year. These amendments will allow the ordinances to be more easily enforced by the Recreation Deputies, Police Officers and Assistance Facility Managers. At this time the Park Committee is asked to discuss these amendments in addition to providing staff with direction on the possible establishment of

AGENDA SUMMARY

an ordinance for usage of metal detectors and drones. Any changes to these amendments will be reviewed by the City Attorney prior to coming back to the Park Committee in January.

7. Educational Items

7A. 2020 Year in Review

Staff will provide the Committee with an overview of the work accomplished in 2020.

7B. Dog Park Special Committee Update

The Dog Park Special Committee has not met recently. They will convene following this Parks Committee meeting. The Committee will discuss additional fundraising activities and items left to be completed on the park. Signage has all been ordered and park benches will be installed in the spring. Keep your fingers crossed for good turf establishment.

7C. Budget Update

On November 24th the City Council adopted the 2021 budget. Within the City budget the Parks, Recreation & Forestry budget was approved for \$3,108,683.00 in expenditures and \$328,547.00 in revenue. The budget was a 1.12% increase over 2020 resulting mainly from full-time and part-time wage increases. The budget was mainly approved as submitted.

Our department also submitted three supplemental requests. The first supplemental request was funding to update the City's Comprehensive Outdoor Recreation Plan that currently goes through 2021. The second request was also funded to contribute funds to the City/County Westside Master Plan update. The third request was regarding the retirement of our Recreation Superintendent, which is a position that is funded 80% by the city and 20% by the county. The main duties are the pools, splash pad, and all of the summer recreation programs. This request will, with the retirement, revamp the Superintendent position and add another FTE specifically for aquatics. This request was not funded at this time.

CIP- CIP requests were submitted for a number of projects, some of which were also previous* requests. The requests highlighted in yellow were approved. The CIP requests included;

- \$95,000 for playground replacement*
- \$50,000 for tennis court replacement*
- \$135,000 for repairs to the Memorial Park seawall*
- \$23,700 to repair the decking of the Barker Stewart Island Bridge
- \$32,000 for new hoist at Park Operations (50/50 City/County)
- \$15,000 River Edge Trail
- \$20,000 Stewart Park masonry wall
- \$125,645 Sylvan Hill Parking Lot*
- Rolling Stock (50/50 City/County)

Staff will be submitting a request to utilize funds not spend in 2020 for playground/skate park equipment replacement.

Finally, another request to note that was not funded for 2021 is a supplemental request submitted by the Director of Public Works. The Preservation Coordinator would be a position that would work with Engineering and the City Forester on street, sidewalk and development projects to implement the new forestry specifications guidelines and work to preserve the tree canopy as much as possible. The position would specifically be focused on our infrastructure, tree canopy and landscaping. The initial request was to begin this position as a part time position.

AGENDA SUMMARY

7D. Preliminary Pool Operation Plan

Last summer staff put together a preliminary plan for operating the pool during a pandemic. The preliminary plan is attached. Staff has been watching and learning from other communities that had their pools open or partially open this past summer. The main themes in operating included limiting capacity, physical distancing markers, enhanced sanitation, mask requirements and building modifications were needed. Some facilities also revised their open swim times or implemented a registration system. Some of the challenges that were encountered were guest compliance, decreased revenue, reservation system problems, contact tracing, signage and staffing. Having enough staff to operate and the ability to conduct safe staff trainings while maintaining social distancing was the number one challenge for most. Pools require a minimum number of staff to operate safely and effectively. There is a big risk of losing staff to quarantine or worse, COVID-19.

Depending on where the county, state and nation are with the pandemic in May of 2021 will determine if the pools can open and how they will be managed. Staff feels the preliminary plan could be utilized if it were May currently. The plan includes reduced capacity, increased staffing to help with social distancing, rule enforcement and shift coverage, signage and increased sanitation. Staff will continue to monitor the CDC and WHO guidelines and work with fellow colleagues on best practices in pool operation during and post COVID-19.

DRAFT

CITY OF WAUSAU – PARK AND RECREATION COMMITTEE MEETING MINUTES

Date/Time: October 5, 2020 at 4:30 p.m. Location: Council Chambers, City Hall

Members Present: Tom Kilian, Lou Larson, Tom Neal, Pat Peckham (c), Sarah Watson

Others Present: Jamie Polley-Director, Greg Freix – Assistant Director of Operations, Mayor Katie Rosenberg, Matt Block - CWOCC representative, Anne Jacobson – City Attorney, other interested parties

1. In accordance with Chapter 19, Wisc. Statutes, notice of this meeting was posted and sent to the Daily Herald in the proper manner. A quorum was present and the meeting was called to order by Chairman Peckham at 4:30 p.m.

2. Public Comment – none brought forward

3. Approval of Minutes – September 8, 2020 – **Motion** by Neal, second by Kilian to approve the Park and Recreation Committee draft September 8, 2020 minutes. Motion **carried** by voice vote, vote reflected as 5-0.

6. Discussion and Possible Action Considering Improvements to Sylvan Hill Mountain Biking Trails – Polley said CWOCC has submitted a proposal to make improvements to Sylvan Hill Park mountain biking trails. Improvements include re-routing the climbing return trail to provide an easier route to climb back to the top, enhancing the skills area to allow adults the ability to improve their skills, add a compressed dirt jump zone, and add a flow tech trail utilizing the natural terrain and rock features to provide a new experience. CWOCC funded the construction of the current trails at Sylvan Hill Park in 2017 with the approval of the Parks and Recreation Committee and the City Council and is requesting the same process be utilized again. The estimated cost of improvements is \$51,000 for trail construction only in which CWOCC is proposing to fundraise for. CWOCC is requesting the City fund and build boardwalks needed for the proposed return trail. CWOCC is also requesting that the City plan for and fund a future shelter by the parking area of the mountain bike trails. The estimated cost of a shelter is \$45,500. CWOCC is proposing to complete all enhancements in 2021 however if needed will break the project into two phases to be completed by 2022. Staff has walked the site with CWOCC and supports the proposed enhancements.

Matt Block, CWOCC representative discussed each of the four portions of Phase Two in depth and said their organization would be seeking grant funding. Polley said at this time they need the support of the Park Committee and then will go and fundraise. After that they will figure out which projects will be done and go through the contract process. Neal felt it would be a great amenity and Larson said it was a good thing for the community. Peckham commented on the great partnership between the groups. Kilian wanted some assurance that the organization wouldn't come back for City funding as he felt there was a problem with equity for neighborhood parks. Discussion followed. Polley said CWOCC is just asking for support to allow them to fundraise. For right now they are not coming back to the City and asking for any funding but it might be a possibility in the future. Also, none of this is critical to complete, it's been a plan of CWOCC for some time. She believed there was time for CWOCC to try and raise all the funds. **Motion** by Watson, second by Larson to support the plan for the improvements at Sylvan Hill Bike Park. Motion **carried** by voice vote, vote reflected as 4-1 with Kilian as the dissenting vote.

4. Discussion and Possible Action Regarding the Parks, Recreation & Forestry Department 2021 Budget – Polley explained that staff met with the Finance Director today so a few changes will come to the full Council. In general the submitted budget was 3.14% over last years budget. That percentage will be lower because some funds for Riverlife Park water expense were moved to room tax and the chemical expenses for water treatment are still being determined. The majority of the budget increase is in personnel costs which include a 2.3% full time wage increase, 6.5% increase to health insurance premium rates and seasonal wage rate increases that were approved in February 2020. The majority of the seasonal wage rate increase was seen on the County side. Polley discussed some of the other increases in professional services, contracted services, and materials and supplies. She noted that an addition was put in for contracted services at City Hall Park which could be taken out and added in later. Another change as the result of today's meeting is that funding for landscaping and mowing at Riverlife Park could be removed as some funding is available from the Community Foundation for shore land enhancement which can be used for maintenance of that corridor. The one supplemental budget request is for the update to the 2017-2021 Comprehensive Outdoor Recreation Plan. Polley discussed the small project fund which addresses deferred maintenance and smaller projects. Discussion occurred on the landscaping at City Hall Park. Kilian questioned the process for public input for the outdoor recreation plan. Polley discussed the process and mentioned in the future she would like to get the County and City plans either merged or at least on the same timeframe. **Motion** by Neal, second by Watson to approve the budget as is. Motion **carried** by voice vote, vote reflected as 5-0.

5. Discussion and Possible Action Considering the Placement of an Angel Sculpture in a City Park – Polley said a project has been submitted to install an Angel of Hope Memorial Garden in either Stewart Park or Forest Park. The memorial garden is for those who have lost children. The proposal includes the statue, bench, plantings and paver bricks. At Stewart Park the location requested is near the existing stage and the location at Forest Park is on the corner of 8th Street and Parcher Street. Funding is not being requested from the City however if funding were available it would be welcome. The proposal requests that the Parks Department construct the garden and place the statue and then maintain the garden including snow removal. Volunteers may be available to assist with maintaining the plantings. The City has approved other statues within City Parks through a signed agreement however at this time none of the statutes include landscaping and are little to no maintenance. The City does have paver bricks in a few parks which require a higher degree of maintenance. At this time snow removal is not conducted at other City statues unless the statue is along a transportation or school route. At this time consideration and approval of a location is being requested and if approved a more detailed plan would be submitted and fundraising would start.

Neal did not believe that near the stage at Stewart Park should be considered and thought neighborhood engagement was needed if Forest Park was considered. He also had concerns about the religious aspect of the statue being in a public park and thought it was more appropriate at a hospital or church. Jacobson mentioned that State statues require that the placing of statues has to go through Plan Commission before it goes to Council. Kilian felt angels were benevolent celestial bodies that didn't pertain to any particular religion but to many and wondered if the questions would be the same if there wasn't an association with any particular ideology. Jacobson said what the statue looks like is just one fact. She didn't know that there was anything illegal about approving it, it's just the closer they get to it appearing to be tied to religion, the larger the risk is that they are exposing themselves to getting sued or challenged on its placement there. Polley will relay the concerns to the applicant and will research Planning's criteria for statue placement if the applicant wants to pursue it further. Peckham thought there was an area in Pine Grove Cemetery that was for something similar to this and wondered why the applicant preferred a park. Larson did not think it was appropriate in a City park and regardless if they considered it non-religious or not they would still be opening themselves up to people who think it is. **Motion** by Larson, second by Watson to table the item until further information is received. Motion **carried** by voice vote, vote reflected as 5-0.

7. Educational Items

A. Dog Park Special Committee Update – The Dog Park Special Committee met on September 14. The parking lot is complete, water lines are plumbed for the meter within the box and the water fountain has been installed. Fencing is scheduled for the week of October 6th. The committee discussed possible events, fundraising ideas and the grand opening of the park. There is still turf that needs to be better established and therefore the committee is planning for a spring grand opening. There is a potential that a winter event could be held at the park if there is enough snow cover.

B. Project Update – Athletic Park: Phase IV/First Base Line Renovation project is underway. Staff continues to work with the individual contractors to provide information and support services as requested. Forest Park: New playground installation has started. Pathway from the street to the playground is marked and ready for construction. Meter base is installed for power and lighting. Oak Island Park: Path/trail reconstruction is underway. Existing asphalt will be removed; new base material will be added and path will be repaved. Barker Stewart Island: Invasive species removal and site remediation work is still in progress. (Temporary hold for equipment). City Pools: Pools have all been run for maintenance checks and will be winterized by end of next week. Tennis Courts: Staff is pressure washing courts for bi-annual maintenance. Water Systems: Winterization of various systems and facilities will be started next week. Routine Operations/Programs: Mowing Operations-all three mowing crews are in routine mode; Urban forestry program-tree trimming, removals, stump grinding, fall planting coming up; building and structure maintenance; shelter reservations and special events; equipment maintenance and repair; restroom maintenance.

C. Riverside Park Testing Update and Next Steps – Additional testing has been completed. The City is now waiting for the results and remediation recommendations.

8. Future Agenda Items – Riverside Park Soil Remediation

9. Next Meeting Date – Monday, November 2, 2020 at 4:30pm

10. Adjourn - **Motion** by Watson, second by Neal to adjourn at 5:45 p.m. Motion **carried** by voice vote, vote reflected as 5-0.

Table 1
Soil Analytical Results - NR720 Soil Standards
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785

Collected By-->						CWE, Inc.										
Date-->						6/13/2006	6/13/2006	6/13/2006	12/8/2008	12/8/2008	12/8/2008	12/8/2008	12/8/2008	12/8/2008	12/8/2008	12/8/2008
Sample-->						Culv. In.	Culv. Out	122E	1003 Emt	130 Riv	141 Riv	120 Riv	117 Riv 1	Fern	117 Riv 2	Oak
Sample Depth--(Inches)-->									8-10	4-6	6-8	4-6	4-6	4-6	4-6	4-6
Percent Moisture (%)-->																
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL											
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0				<1	<1.8	<1	<1	<1	<1	<1	<1
1,2,3,7,8-PeCDD	36088-22-9	ng/kg	4.93	22.3	--				<5	<5	<5	<5	5.1	<5	5.6	<5
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--				<5	<5	<5	<5	12	<5	15	<5
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--				15	6.0	<5	<5	41	5.6	44	<5
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--				6.8	5.5	<5	<5	25	<5	27	<5
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--				260	95	87	120	1,100	170	1,100	30
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--				3,000	700	630	830	7,600	1,200	8,200	270
Total TCDD	--	ng/kg	--	--	--				7.9	<1.8	3.3	5.7	15	3.5	22	<1
Total PeCDD	--	ng/kg	--	--	--				<5	<5	<5	<5	40	<5	48	<5
Total HxCDD	--	ng/kg	--	--	--				85	58	25	34	310	34	360	<5
Total HpCDD	--	ng/kg	--	--	--				500	190	170	230	2,000	300	2,000	58
Furan Congeners																
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--				2.0	<3.9	<1	<1	3.5	1.4	3.7	<1
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--				<5	<5	<5	<5	<5	<5	<5	<5
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--				76	<5	<5	<5	16	<5	16	<5
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--				24	<5	<5	<5	37	<5	12	<5
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--				26	<5	<5	<5	19	5.9	17	<5
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--				100	<5	<5	<5	29	<5	23	<5
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--				6.4	<5	<5	<5	<5	<5	5.0	<5
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--				160	43	27	42	350	83	350	19
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--				13	<5	<5	<5	20	<5	20	<5
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--				170	49	36	53	520	170	550	34
Total TCDF	--	ng/kg	--	--	--				140	4.8	18	24	110	16	110	12
Total PeCDF	--	ng/kg	--	--	--				880	49	28	33	260	12	250	45
Total HxCDF	--	ng/kg	--	--	--				1,600	64	40	52	580	60	560	27
Total HpCDF	--	ng/kg	--	--	--				540	87	51	78	870	190	850	38
Individual Exceedances (DC)			1	1	--				2	0	0	0	2	0	2	0
Cumulative Hazard Index (DC)			1.0	1.0	--				0.8558	0.0366	0.0105	0.0151	0.6551	0.0519	0.6298	0.0059
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--				9.4E-06	5.6E-07	2.8E-07	3.9E-07	8.9E-06	8.7E-07	8.7E-06	1.2E-07
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	30.0	106	88	12	46	2.8	1.3	1.9	44	4.2	42	0.58

Notes:

NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet

This site is assessed as Non-Industrial

Cumulative RCL Calculated on: 7/7/2020

RCL = Residual Contaminant Level

DC = Direct Contact

ng/kg = Parts Per Trillion (ppt)

< = Concentration Below Laboratory Detection Limit

- = Not Sampled/Collected

-- = No Standard/Not Applicable

TEQ = Toxicity Equivalent Calculations

¹ = TEQ values calculated using the U.S. EPA 2007 values.

TCDD: Tetrachlorodibenzo-p-dioxin

PeCDD: Pentachlorodibenzo-p-dioxin

HxCDD: Hexachlorodibenzo-p-dioxin

HPcDD: Heptachlorodibenzo-p-dioxin

OCDD: Octachlorodibenzo-p-dioxin

TCDF: Tetrachlorodibenzofuran

PeCDF: Pentachlorodibenzofuran

HxCDF: Hexachlorodibenzofuran

HPcDF: Heptachlorodibenzofuran

OCDF: Octachlorodibenzofuran

Italic	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
Underlined	= Exceeds NR720 Industrial Not-To-Exceed DC RCL

Table 2
Soil Analytical Results - NR720 Soil Standards
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785

Collected By-->						TRC				Sand Creek Consulting		REI	SCC	REI
Date-->						8/14/2019	8/14/2019	8/14/2019	8/14/2019	11/5/2019	11/5/2019	9/14/2020	11/5/2019	9/14/2020
Sample-->						N4-1	N4-2	N4-3	N7-1	RP-101	RP-102	RP-102	RP-103	RP-103
Sample Depth--(Inches)-->						0-6	0-6	0-6	0-6	10	8	10-12	10	12-14
Percent Moisture (%)-->						8.7	12.0	8.9	8.2	26.7	24.6	9.9	22.6	17.7
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL									
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0	0.80 ^J	0.85 ^J	1.0	0.26 ^J	<2.1 ^D	<0.27	<0.28	<2.5	<0.36
1,2,3,7,8-PeCDD	36088-22-9	ng/kg	4.93	22.3	--	2.5 ^J	5.2	5.9	0.91 ^J	<1.5 ^D	1.9 ^J	0.44 ^{I,J} EMPC	<0.55	<0.59
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--	6.3	7.8 ^{J,DN2}	9.0 ^{J,DN2}	2.2 ^J	<2.9 ^D	4.8 ^J	1.1 ^{I,J} EMPC	1.4 ^J	<1.2
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--	24	39 ^{DN2}	44 ^{DN2}	6.1	6.0 ^{J,D}	21	5.8	4.7	<1.4
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--	12	15 ^{J,DN2}	15 ^{J,DN2}	3.4 ^J	3.4 ^{J,D}	8.9	3.0 ^J	2.0 ^{I,J} EMPC	<1.1
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--	530	820 ^{DN2}	930 ^{DN2}	150	95 ^D	380	110	77	9.4
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--	5,100	7,300 ^{DN2}	9,200 ^{DN2}	1,300	610 ^{I,J,D}	3,000	900	520	63
Total TCDD	--	ng/kg	--	--	--	11	18	12	21	<2.1 ^D	2.0	1.1	4.7	0.40 ^J
Total PeCDD	--	ng/kg	--	--	--	22	25	33	50	<1.5 ^D	9.6	2.2 ^J	7.2	<0.59
Total HxCDD	--	ng/kg	--	--	--	170	260 ^{DN2}	310 ^{DN2}	7.6	45 ^D	120	40	35	<1.1
Total HpCDD	--	ng/kg	--	--	--	1,000	1,600 ^{DN2}	1,900 ^{DN2}	330	180 ^D	710	210	140	9.4
Furan Congeners														
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--	2.1 ^V	4.4 ^C	2.4 ^V	0.55 ^{I,J} EMPC	<2.4 ^D	1.4 ^C	<0.61	1.9 ^V	<0.44
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--	2.1 ^J	270 ^{P,EMPC}	3.4 ^J	0.69 ^J	<1.5 ^D	1.8 ^J	<0.46	<0.29	<0.73
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--	11	14	61	4.1 ^J	<1.7 ^D	14	5.3 ^{I,J} EMPC	12	<0.44
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--	8.2	16 ^{J,DN2}	75 ^{P,DN2} EMPC	3.6 ^{P,J} EMPC	4.8 ^{J,D}	6.3	<0.73	2.1 ^J	<1.3
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--	8.0	20 ^{J,DN2}	28 ^{P,DN2} EMPC	2.7 ^J	3.8 ^{J,D}	14 ^P EMPC	11 ^P EMPC	6.2 ^P EMPC	<1.2
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--	6.5	16 ^{J,DN2}	30 ^{DN2}	2.4 ^J	3.9 ^{J,D}	6.2	7.7	5.2	<1.3
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--	3.0 ^J	6.7 ^{J,DN2}	6.1 ^{J,DN2}	0.8 ^J	2.0 ^{J,D} EMPC	2.9 ^J	<1.1	1.5 ^{I,J} EMPC	<1.2
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--	150	250 ^{DN2}	380 ^{DN2}	46	37 ^D	99	40	45	3.2 ^J
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--	9.4	14 ^{J,DN2}	20 ^{J,DN2}	2.3 ^J	2.3 ^{I,J,D} EMPC	6.3	2.4 ^{I,J} EMPC	2.4 ^J	<1.7
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--	320	490 ^{DN2}	620 ^{DN2}	71	49 ^{I,J,D} EMPC	170	56	68	6.2 ^J
Total TCDF	--	ng/kg	--	--	--	58	99	140 ^E	21	<2.4 ^D	41	14	35	<0.44
Total PeCDF	--	ng/kg	--	--	--	180	480	760	50	130 ^D	260	120	190	2.6 ^J
Total HxCDF	--	ng/kg	--	--	--	200	430 ^{DN2}	1,200 ^{DN2}	87	110 ^D	280	120	210	<1.2
Total HpCDF	--	ng/kg	--	--	--	380	610 ^{DN2}	1,100 ^{DN2}	100	91 ^D	250	90	110	3.2 ^J
Individual Exceedances (DC)			1	1	--	1	3	4	0	0	0	0	0	0
Cumulative Hazard Index (DC)			1.0	1.0	--	0.3379	0.713	1.0547	0.1096	0.0596	0.2933	0.1112	0.1333	0.0012
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--	4.5E-06	9.0E-06	1.3E-05	1.4E-06	8.0E-07	3.8E-06	1.4E-06	1.5E-06	3.0E-08
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	30.0	22	44	62	7.0	3.9	19	6.7	7.5	0.15

Notes:

NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet
This site is assessed as Non-Industrial
Cumulative RCL Calculated on: 7/7/2020 & 11/17/2020
RCL = Residual Contaminant Level
DC = Direct Contact
ng/kg = Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
- = Not Sampled/Collected
- - = No Standard/Not Applicable
TEQ = Toxicity Equivalent Calculations
¹ = TEQ values calculated using the U.S. EPA 2007 values.

TCDD: Tetrachlorodibenzo-p-dioxin
PeCDD: Pentachlorodibenzo-p-dioxin
HxCDD: Hexachlorodibenzo-p-dioxin
HpCDD: Heptachlorodibenzo-p-dioxin
OCDD: Octachlorodibenzo-p-dioxin
TCDF: Tetrachlorodibenzofuran
PeCDF: Pentachlorodibenzofuran
HxCDF: Hexachlorodibenzofuran
HpCDF: Heptachlorodibenzofuran
OCDF: Octachlorodibenzofuran

Laboratory Qualifiers and Notes:

^J = Estimated Value
EMPC = Estimated Maximum Possible Concentration
^P = PCDE Interference
^I = Interference Present
^V = Results verified by confirmation analysis
^C = Results obtained from confirmation analysis
^D = Results obtained from analysis of diluted sample
^{DN2} = Results obtained from diluted sample
^E = Exceeds calibration Range
Results reported on a dry weight basis and are valid to no more than 2 significant figures

<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
<u>Underlined</u>	= Exceeds NR720 Industrial Not-To-Exceed DC RCL

Table 3
Soil Analytical Results - NR720 Soil Standards
City of Wausau - Riverside Railroad Corridor
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785

Collected By-->						REI Engineering, Inc.										
Date-->						4/23/2020	9/14/2020	4/23/2020	9/14/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020
Sample-->						R1	R1	R2	R2	R3	R4	R5	R6	R7	R8	R9
Sample Depth--(Inches)-->						3-5	10-12	4-6	10-12	3-6	3-5	6-9	6-8	11-13	2-4	4-5
Percent Moisture (%)-->						28.6	12.9	22.4	15.4	16.7	18.8	13.3	8.6	8.1	11.3	3.9
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL											
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0	1.1 ^J	<0.67	0.55 ^J	<0.39	<0.24	<0.18	<0.34	<0.52	<0.20	<0.17	<0.15
1,2,3,7,8-PeCDD	36088-22-9	ng/kg	4.93	22.3	--	5.2 ^J	1.9 ^J	2.8 ^J	1.0 ^{I,J} EMPC	0.55 ^{I,J} EMPC	1.2 ^J	0.84 ^J	0.73 ^J	<0.10	<0.094	<0.097
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--	12	5.1 ^J	5.1 ^J	3.3 ^J	0.39 ^{I,J} EMPC	1.7 ^J	0.89 ^{I,J} EMPC	0.59 ^{I,J} EMPC	<0.25	<0.22	<0.19
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--	39	16	22	11	1.6 ^{I,J} EMPC	6.0	3.5 ^J	2.6 ^J	<0.25	<0.17	0.29 ^J
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--	24	8.5	10	5.2 ^{I,J} EMPC	1.2 ^{I,J} EMPC	3.6 ^J	1.9 ^J	1.2 ^J	<0.26	0.16 ^{I,J} EMPC	<0.17
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--	960	310	400	200	37	0.64 ^J	78	57	5.8	1.3 ^J	5.3
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--	7,400	2,600	3,000	1,400	270	850	660	510	44	49	35
Total TCDD	--	ng/kg	--	--	--	22	7.5	9.3	4.1	1.2	6.3	<0.34	<0.52	<0.20	<0.17	<0.15
Total PeCDD	--	ng/kg	--	--	--	58	20	29	5.9	2.4 ^J	11	<4.3	3.1 ^J	<0.10	<0.094	0.16 ^J
Total HxCDD	--	ng/kg	--	--	--	350	140	160	60	16	51	28	15.0	2.4 ^J	1.3 ^J	2.7 ^J
Total HpCDD	--	ng/kg	--	--	--	1,900	610	760	410	77	230	160	130	11	12	10
Furan Congeners																
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--	4.0 ^V	1.8 ^C	2.5 ^V	1.5 ^V	0.66 ^J	0.80 ^{I,J} EMPC	<0.34	<0.48	<0.17	<0.26	<0.18
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--	4.7 ^J	1.9 ^J	3.2 ^J	<1.0	0.49 ^J	0.94 ^J	0.57 ^J	<0.022	<0.14	<0.047	<0.16
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--	12	5.0 ^J	15	4.8 ^J	1.3 ^J	2.4 ^J	5.7	9.2	0.14 ^{I,J} EMPC	0.24 ^J	0.56 ^J
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--	19	9.8 ^P EMPC	24 ^P EMPC	4.1 ^J	1.2 ^J	2.8 ^J	1.2 ^J	1.7 ^J	<0.28	<0.28	0.20 ^J
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--	22	6.7	7.9	3.8 ^J	1.4 ^{I,J} EMPC	4.8 ^P EMPC	2.0 ^J	1.8 ^J	<0.18	0.85 ^J	0.90 ^{P,I} EMPC
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--	23	7.5	15	6.8	1.5 ^J	3.6 ^J	4.8	1.9 ^J	<0.27	0.28 ^J	0.43 ^J
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--	5.5 ^J	1.7 ^{I,J} EMPC	3.1 ^J	<0.90	<0.46	0.64 ^J	0.67 ^{I,J} EMPC	<0.17	<0.23	<0.20	<0.14
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--	340	120	140	65	14	40	28	17	2.2 ^J	1.8 ^J	1.9 ^J
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--	17	6.8	7.6	2.7 ^{I,J} EMPC	<0.50	2.0 ^J	1.3 ^J	1.2 ^J	<0.22	<0.15	<0.14
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--	450	170	180	110	16	56	39	32	3.0 ^J	2.5 ^{I,J} EMPC	2.4 ^J
Total TCDF	--	ng/kg	--	--	--	110	50	72	15	5.8	22	9.6	7.8	0.31 ^J	0.49 ^J	2.4
Total PeCDF	--	ng/kg	--	--	--	230	120	240	97	17	41	81	86	1.9 ^J	2.2 ^J	9.2
Total HxCDF	--	ng/kg	--	--	--	520	210	290	130	22	60	86	39	3.1 ^J	3.7 ^J	6.9
Total HpCDF	--	ng/kg	--	--	--	750	230	310	150	30	87	74	44	2.4 ^J	1.8 ^J	1.9 ^J
Individual Exceedances (DC)			1	1	--	2	0	0	0	0	0	0	0	0	0	0
Cumulative Hazard Index (DC)			1.0	1.0	--	0.6165	0.2248	0.3381	0.1425	0.0392	0.0986	0.0905	0.0951	0.0016	0.0046	0.0075
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--	8.3E-06	2.9E-06	4.3E-06	1.9E-06	4.8E-07	1.0E-06	1.1E-06	1.1E-06	2.8E-08	5.1E-08	8.9E-08
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	30.0	40	14	23	9.1	2.3	5.0	5.3	5.4	0.14	0.25	0.43

Notes:

NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet

This site is assessed as Non-Industrial

Cumulative RCL Calculated on: 5/15/2020 & 11/17/2020

RCL = Residual Contaminant Level

DC = Direct Contact

ng/kg = Parts Per Trillion (ppt)

< = Concentration Below Laboratory Detection Limit

-- = Not Sampled/Collected

-- = No Standard/Not Applicable

TEQ = Toxicity Equivalent Calculations

¹ = TEQ values calculated using the U.S. EPA 2007 values.

TCDD: Tetrachlorodibenzo-p-dioxin

PeCDD: Pentachlorodibenzo-p-dioxin

HxCDD: Hexachlorodibenzo-p-dioxin

HpCDD: Heptachlorodibenzo-p-dioxin

OCDD: Octachlorodibenzo-p-dioxin

TCDF: Tetrachlorodibenzofuran

PeCDF: Pentachlorodibenzofuran

HxCDF: Hexachlorodibenzofuran

HpCDF: Heptachlorodibenzofuran

OCDF: Octachlorodibenzofuran

Laboratory Qualifiers and Notes:

^J = Estimated Value

EMPC = Estimated Maximum Possible Concentration

^P = PCDE Interference

^I = Interference Present

^V = Results verified by confirmation analysis

^C = Results obtained from confirmation analysis

^D = Results obtained from analysis of diluted sample

^E = Exceeds calibration Range

Results reported on a dry weight basis and are valid to no more than 2 significant figures

<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
<u>Underlined</u>	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL

Table 4
Soil Analytical Results - NR720 Soil Standards
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRS# 02-37-584785

Collected By-->						REI Engineering, Inc.									
Date-->						4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020
Sample-->						P1	P1	P2	P2	P3	P3	P4	P4	P5	P5
Sample Depth--(Inches)-->						2-3	7-9	2-3	10-12	2-3	12-14	2-3	9-11	2-3	11-13
Percent Moisture (%)-->						45.0	24.7	20.7	19.5	19.0	12.0	17.8	12.9	19.9	16.8
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL										
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0	0.35 ^J	0.71 ^J	<0.30	<0.13	<0.24	<0.74	<0.96	<0.54	<0.76	<0.91
1,2,3,7,8-PeCDD	36088-22-9	ng/kg	4.93	22.3	--	3.0 ^{I,J} EMPC	6.1	0.43 ^J	<0.15	0.25 ^J	0.42 ^{I,J} EMPC	<0.56	<0.53	0.74 ^{I,J} EMPC	<0.79
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--	6.0 ^J	14	0.58 ^{I,J} EMPC	<0.21	0.61 ^J	0.77 ^{I,J} EMPC	1.8 ^{I,J} EMPC	0.57 ^{I,J} EMPC	1.8 ^J	<0.39
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--	23	57	2.6 ^J	0.4 ^J	1.4 ^J	1.4 ^J	3.9 ^J	1.9 ^J	4.4 ^J	0.64 ^J
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--	13	30	1.6 ^{I,J} EMPC	0.35 ^{I,J} EMPC	0.67 ^{I,J} EMPC	0.76 ^J	3.0 ^J	0.82 ^{I,J} EMPC	2.6 ^{I,J} EMPC	<0.64
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--	520	1,200	55	4.8 ^J	27	28	110	39	110	17
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--	4,000	9,600	370	67	170	220	890	310	840	130
Total TCDD	--	ng/kg	--	--	--	4.0	9.6	1.7	0.82 ^J	<0.24	<0.74	<0.96	<0.54	2.3	1.1
Total PeCDD	--	ng/kg	--	--	--	18	53	5.3 ^J	<0.15	1.8 ^J	0.82	3.6 ^J	<0.43	6.6	<0.79
Total HxCDD	--	ng/kg	--	--	--	200	430	22	4.8 ^J	9.1	7.2	37	12	43	5.9
Total HpCDD	--	ng/kg	--	--	--	1,100	2,500	110	19	52	54	200	73	200	31
Furan Congeners															
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--	1.6 ^J	2.6 ^V	0.47 ^J	<0.21	0.26 ^{I,J} EMPC	<0.64	<0.74	<0.77	<0.96	<0.66
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--	3.1 ^J	6.1	0.40 ^{I,J} EMPC	<0.26	<0.48	<0.61	<1.2	<0.59	<1.1	<1.1
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--	26	34	1.1 ^J	<0.22	0.61 ^J	2.2 ^J	2.3 ^{I,J} EMPC	0.89 ^J	1.8 ^{I,J} EMPC	0.55 ^{I,J} EMPC
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--	9.3	15	1.4 ^J	<0.30	0.83 ^J	0.73 ^J	2.3 ^{I,J} EMPC	1.6 ^{P,I} EMPC	2.4 ^{I,J} EMPC	<0.41
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--	10	21	2.1 ^{P,I} EMPC	0.55 ^J	1.3 ^{I,J} EMPC	0.81 ^{I,J} EMPC	2.4 ^J	0.86 ^J	1.7 ^J	<0.45
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--	25	39	1.7 ^J	0.22 ^{I,J} EMPC	0.67 ^{I,J} EMPC	1.6 ^{I,J} EMPC	3.0 ^J	0.65 ^J	2.7 ^J	<0.45
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--	4.5 ^J	6.9	<0.56	<0.24	<0.33	<0.33	<0.16	<0.14	<0.40	<0.43
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--	140	340	16	3.9 ^J	11	8.1	41	16	54 ^P EMPC	9.5 ^P EMPC
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--	9.7	21	0.78 ^{I,J} EMPC	<0.60	<0.87	<0.51	1.4 ^J	<0.27	<0.72	<0.98
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--	240	540	26	4.1 ^{I,J} EMPC	12	13	55	20	59	12
Total TCDF	--	ng/kg	--	--	--	81	110	6.2	0.48	2.6	1.8	13	1.6	8.9	<0.66
Total PeCDF	--	ng/kg	--	--	--	440	610	17	2.9	9.7	25	31	12	26	3.6 ^J
Total HxCDF	--	ng/kg	--	--	--	440	830	25	5.7	15	24	40	17	45	3.0 ^J
Total HpCDF	--	ng/kg	--	--	--	380	840	35	7.8	20	18	83	31	46	8.3
Individual Exceedances (DC)			1	1	--	2	4	0	0	0	0	0	0	0	0
Cumulative Hazard Index (DC)			1.0	1.0	--	0.4623	0.8467	0.0489	0.0042	0.0233	0.0364	0.061	0.0234	0.0709	0.0074
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--	5.8E-06	1.1E-05	6.1E-07	5.3E-08	2.9E-07	4.3E-07	8.5E-07	3.2E-07	9.5E-07	1.1E-07
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	30.0	28	54	2.7	0.26	1.4	2.1	4.1	1.6	4.7	0.54

Notes:

NR 720 Standards Obtained From WDNR RR Program's Soil RCL Spreadsheet

This site is assessed as Non-Industrial

Cumulative RCL Calculated on: 11/17/2020

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TEQ = Toxicity Equivalent Calculations

¹ = TEQ values calculated using the U.S. EPA 2007 values.

TCDD: Tetrachlorodibenzo-p-dioxin

PeCDD: Pentachlorodibenzo-p-dioxin

HxCDD: Hexachlorodibenzo-p-dioxin

HPcDD: Heptachlorodibenzo-p-dioxin

OCDD: Octachlorodibenzo-p-dioxin

TCDF: Tetrachlorodibenzofuran

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Laboratory Qualifiers and Notes:

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Results reported on a dry weight basis and are valid to no more than 2 significant figures

Italic	= Exceeds NR720 Groundwater Pathway Protection
Bold	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL
Underlined	= Exceeds NR720 Non-Industrial Not-To-Exceed DC RCL

Table 5
Soil Analytical Results - NR720 Soil Standards
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785

Collected By-->						REI Engineering, Inc.									
Date-->						9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020
Sample-->						P6	P6	P7	P7	P8	P8	P9	P9	P10	P10
Sample Depth--(Inches)-->						2-3	10-12	2-3	10-12	2-3	10-12	2-3	10-12	2-3	10-12
Percent Moisture (%)-->						17.2	6.4	15.9	9.5	11.9	17.3	17.4	9.7	15.9	14.1
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL										
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0	0.32 ^{I, J} _{EMPC}	<0.27	0.97 ^J	<0.27	0.69 ^J	0.61 ^J	<0.26	0.27 ^J	0.41 ^J	<0.38
1,2,3,7,8-PeCDD	36088-22-9	ng/kg	4.93	22.3	--	3.2 ^J	0.33 ^J	3.8 ^J	0.62 ^J	6.4	6.6	3.3 ^J	0.68 ^J	5.9	2.7 ^J
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--	7.9	<0.96	9.4	1.5 ^J	17	16	6.7	2.1 ^J	12	5.1 ^J
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--	24	2.0 ^J	35	5.7	69	51	28	6.5	48	15
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--	13	1.4 ^J	19	3.2 ^J	29	25	12	3.8 ^J	22	8.5
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--	530	36	1,200	190	1,200	1,000	550	150	900	290
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--	4,600	290	11,000 ^E	1,700	10,000 ^E	8,100	4,400	1,100	7,600	2,300
Total TCDD	--	ng/kg	--	--	--	8.1	0.61 ^J	20	5.2	18	9.5	16	3.5	10	3.6
Total PeCDD	--	ng/kg	--	--	--	24	0.33 ^J	45	8.9	49	50	44	6.6	44	22
Total HxCDD	--	ng/kg	--	--	--	180	1.6	330	52	480	390	250	5.7	350	130
Total HpCDD	--	ng/kg	--	--	--	1,000	66	2,400	360	2,300	1,900	1,100	280	1,800	560
Furan Congeners															
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--	1.9 ^V	<0.44	3.7 ^C	0.86 ^{I, J} _{EMPC}	4.1 ^C	5.7 ^C	3.3 ^V	0.76 ^J	4.3 ^C	2.1 ^C
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--	0.32 ^{I, J} _{EMPC}	<0.72	3.3 ^J	<1.1	4.7 ^J	5.9	3.4 ^J	0.88 ^J	4.5 ^J	2.7 ^J
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--	17	1.9 ^J	8.9	2.0 ^J	32	66	8.5	2.3 ^{I, J} _{EMPC}	53	54
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--	11	<0.86	11	2.3 ^{I, J} _{EMPC}	20	17	13	3.5 ^J	15	12
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--	13	1.6 ^{P, J} _{EMPC}	8.7	2.5 ^{I, J} _{EMPC}	24	36	12	4.0 ^{P, J} _{EMPC}	24	37
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--	10	<1.4	9.0	3.1 ^J	20	23	9.5	3.5 ^J	31	31
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--	4.6 ^J	<0.69	3.7 ^J	0.67 ^J	8.3 ^I _{EMPC}	10	4.0 ^J	0.67 ^{I, J} _{EMPC}	8.4	6.8
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--	180	16	230	42	310	330	230	59	300	140
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--	12	<1.1	12	2.8 ^J	20	20	12	2.4 ^J	17	8.3
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--	400	26	640	100	550	530	390	95	460	170
Total TCDF	--	ng/kg	--	--	--	56	4.5	77	16	82	150	86	18	140	110
Total PeCDF	--	ng/kg	--	--	--	250	32	150	30	500	990	150	47	810	930
Total HxCDF	--	ng/kg	--	--	--	450	36	300	52	830	1,300	350	78	1,000	950
Total HpCDF	--	ng/kg	--	--	--	560	40	570	96	790	840	480	120	730	360
Individual Exceedances (DC)			1	1	--	2	0	1	0	4	4	1	0	3	1
Cumulative Hazard Index (DC)			1.0	1.0	--	0.4105	0.0329	0.4747	0.0847	0.8475	1.0253	0.3827	0.1023	0.882	0.6476
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--	5.3E-06	4.1E-07	7.2E-06	1.2E-06	1.1E-05	1.3E-05	5.0E-06	1.4E-06	1.1E-05	7.3E-06
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	30.0	26	2.01	35	6.1	54	62	24	6.6	53	36

Notes:

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<i>Italic</i>	= Exceeds NR720 Groundwater Pathway Protection
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Table 6
Soil Analytical Results - NR720 Soil Standards
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Wausau, WI 54401
BRRTS# 02-37-584785

Collected By-->						REI Engineering, Inc.											
Date-->						9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020
Sample-->						P11	P11	P12	P12	P13	P13	P14	P14	P15	P15	P16	P16
Sample Depth--(Inches)-->						2-3	10-12	2-3	10-12	2-3	10-12	2-3	10-12	2-3	10-12	2-3	10-12
Percent Moisture (%)-->						18.7	17.7	20.5	14.3	20.7	13.8	16.8	3.7	12.1	6.9	15.3	6.6
Saturated (S) vs Unsaturated (U)-->						U	U	U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	Non-Industrial Not-to-Exceed DC RCL	Industrial Not-to-Exceed DC RCL	Groundwater Pathway Protection RCL												
2,3,7,8-TCDD	1746-01-6	ng/kg	4.82	21.8	30.0	1.5	0.79 ^{I, J} _{EMPC}	<0.51	<0.39	<0.56	<0.44	<0.70	<0.27	<0.39	<0.36	<0.77	<0.50
1,2,3,7,8-PeCDD	36088-22-9	ng/kg	4.93	22.3	--	11	7.1	1.9 ^J	1.1 ^J	1.5 ^J	0.97 ^J	1.5 ^J	<0.30	1.7 ^J	2.5 ^J	2.7 ^J	<0.93
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	49.3	223	--	24	15	3.5 ^J	1.9 ^{I, J} _{EMPC}	3.3 ^{I, J} _{EMPC}	2.1 ^{I, J} _{EMPC}	2.9 ^J	0.75 ^J	5.7	4.0 ^{I, J} _{EMPC}	5.0 ^J	<1.7
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	49.3	223	--	100	52	13	7.4	22	13	13	3.7 ^J	16	18	16	<2.0
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	49.3	223	--	45	25	6.7	4.8 ^J	10	6.9	5.9	1.6 ^J	9.7	9.4	10	<1.6
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	484	2.19E+03	--	1,900	880	220	120	830	370	220	72	350	370	300	40
OCDD	3268-87-9	ng/kg	1.64E+04	7.44E+04	--	18,000 ^E	7,500	1,700	920	3,900	2,100	1,800	530	2,500	3,100	2,400	310
Total TCDD	--	ng/kg	--	--	--	21	19	8.0	4.2	5.3	4.5	6.9	1.7	1.4	4.8	4.4	<0.50
Total PeCDD	--	ng/kg	--	--	--	86	60	29	170	12	12	19	4.9	14	14	15	<0.93
Total HxCDD	--	ng/kg	--	--	--	700	380	120	64	220	120	100	30	140	140	130	8.1
Total HpCDD	--	ng/kg	--	--	--	3,700	1,700	410	240	1,400	660	420	130	690	760	570	74
Furan Congeners																	
2,3,7,8-TCDF	51207-31-9	ng/kg	48.2	219	--	9.1 ^C	8.7 ^C	2.2 ^C	1.2 ^C	0.91 ^{I, J} _{EMPC}	1.3 ^V	1.7 ^C	<0.30	2.2 ^C	1.9 ^V	1.1 ^{I, J} _{EMPC}	<0.69
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	164	744	--	11	7.4	2.0 ^{I, J} _{EMPC}	<1.8	<1.6	<1.4	<1.3	<1.3	2.1 ^J	1.9 ^{I, J} _{EMPC}	<0.74	<1.1
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	16.4	74.4	--	110	130	14	10	10	8.1	4.1 ^J	1.7 ^J	5.4	6.0	2.5 ^{I, J} _{EMPC}	1.0 ^J
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	48.5	220	--	22	17	6.6	2.6 ^{I, J} _{EMPC}	4.9 ^J	3.7 ^J	4.9 ^J	2.1 ^J	9.0	9.2	8.3	1.2 ^{I, J} _{EMPC}
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	48.5	220	--	46	32	20 ^P _{EMPC}	13 ^P _{EMPC}	5.7 ^J	5.8	7.7 ^P _{EMPC}	2.3 ^J	9.3	6.9 ^I _{EMPC}	7.9	<1.2
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	49.3	223	--	56	58	7.6	4.1 ^J	7.7	5.9	6.7	0.96 ^{I, J} _{EMPC}	5.5	7.3	5.3 ^J	1.8 ^J
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	49.3	223	--	18	16	2.5 ^J	<1.2	<1.5	0.97 ^{I, J} _{EMPC}	<1.4	<0.36	2.2 ^J	2.4 ^J	2.3 ^{I, J} _{EMPC}	<1.3
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	490	2.22E+03	--	540	340	95	50	110	89	100	30	120	140	110	15
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	490	2.22E+03	--	38	22	5.5 ^J	2.2 ^{I, J} _{EMPC}	5.5 ^{I, J} _{EMPC}	5.5 ^J	5.5 ^J	0.79 ^{I, J} _{EMPC}	6.5	8.4	5.7	<2.8
OCDF	39001-02-0	ng/kg	1.64E+04	7.44E+04	--	840	530	130	65	210	140	170	49	230	210	170	23
Total TCDF	--	ng/kg	--	--	--	280	290	72	39	34	38	32	7.7	26	27	25	1.9
Total PeCDF	--	ng/kg	--	--	--	1,400	1,500	230	160	150	150	87	28	100	92	74	5.0 ^J
Total HxCDF	--	ng/kg	--	--	--	2,100	2,000	260	170	230	200	130	42	220	210	180	22
Total HpCDF	--	ng/kg	--	--	--	1,300	890	200	100	280	210	220	66	300	310	230	31
Individual Exceedances (DC)			1	1	--	7	5	0	0	1	0	0	0	0	0	0	0
Cumulative Hazard Index (DC)			1.0	1.0	--	1.7746	1.4579	0.2754	0.1665	0.253	0.181	0.196	0.0428	0.2285	0.2552	0.2148	0.0172
Cumulative Cancer Risk (DC)			1.0E-05	1.0E-05	--	2.2E-05	1.7E-05	3.3E-06	2.0E-06	4.2E-06	2.6E-06	2.5E-06	5.8E-07	3.1E-06	3.4E-06	2.3E-06	2.6E-07
Total 2,3,7,8-TCDD Equivalence ¹	--	ng/kg	4.82	21.8	30.0	108	84	16	9.6	21	13	11	2.9	15	16	14	1.2

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Table 7
Soil Analytical Results - EPA Toxicity Equivalent Calculations
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785

Collected By-->				CWE, Inc.											
Date-->				6/13/2006	6/13/2006	6/13/2006	12/8/2008	12/8/2008	12/8/2008	12/8/2008	12/8/2008	12/8/2008	12/8/2008	12/8/2008	12/8/2008
Sample-->				Culv. In.	Culv. Out	122E	1003 Emt	130 Riv	141 Riv	120 Riv	117 Riv 1	Fern	117 Riv 2	Oak	Weston
Sample Depth--(Inches)-->							8-10	4-6	6-8	4-6	4-6	4-6	4-6	4-6	4-6
Percent Moisture (%)-->															
Saturated (S) vs Unsaturated (U)-->				U	U	U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	EPA TEF 2,3,7,9-TCDD												
2,3,7,8-TCDD	1746-01-6	ng/kg	1	--	--	--	<1	<1.8	<1	<1	<1	<1	<1	<1	<1
1,2,3,7,8-PeCDD	36088-22-9	ng/kg	1	--	--	--	<5	<5	<5	<5	5.10	<5	5.60	<5	<5
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	0.1	--	--	--	<5	<5	<5	<5	1.20	<5	1.50	<5	<5
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	0.1	--	--	--	1.50	0.60	<5	<5	4.10	0.56	4.40	<5	<5
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	0.1	--	--	--	0.68	0.55	<5	<5	2.50	<5	2.70	<5	<5
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	0.01	--	--	--	2.60	0.95	0.87	1.20	11.00	1.70	11.00	0.30	<5
OCDD	3268-87-9	ng/kg	0.0003	--	--	--	0.90	0.21	0.19	0.25	2.28	0.36	2.46	0.08	0.01
Total TCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PeCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HxCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HpCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Furan Congeners															
2,3,7,8-TCDF	51207-31-9	ng/kg	0.1	--	--	--	0.20	<3.9	<1	<1	0.35	0.14	0.37	<1	<1
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	0.03	--	--	--	<5	<5	<5	<5	<5	<5	<5	<5	<5
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	0.3	--	--	--	22.80	<5	<5	<5	4.80	<5	4.80	<5	<5
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	0.1	--	--	--	2.40	<5	<5	<5	3.70	<5	1.20	<5	<5
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	0.1	--	--	--	2.60	<5	<5	<5	1.90	0.59	1.70	<5	<5
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	0.1	--	--	--	10.00	<5	<5	<5	2.90	<5	2.30	<5	<5
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	0.1	--	--	--	0.64	<5	<5	<5	<5	<5	0.50	<5	<5
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	0.01	--	--	--	1.60	0.43	0.27	0.42	3.50	0.83	3.50	0.19	<5
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	0.01	--	--	--	0.13	<5	<5	<5	0.20	<5	0.20	<5	<5
OCDF	39001-02-0	ng/kg	0.0003	--	--	--	0.05	0.01	0.01	0.02	0.16	0.05	0.17	0.01	<5
Total TCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PeCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HxCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HpCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Department of Health Agency for Toxic Substances and Diseease Registry (ATSDR)															
	CAS Number	Units	Residential Soil Screening Level ²												
2,3,7,8-TCDD TEQ ¹	--	ng/kg	50	106	88	12	46	2.8	1.3	1.9	44	4.2	42	0.58	0.0072

Notes:

ng/kg = Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
- = Not Sampled/Collected
- - = No Standard/Not Applicable
TEQ = Toxicity Equivalent Calculations
¹ = TEQ values calculated using the U.S. EPA 2007 values.
² = Based on ATSDR-228.

106 = Exceeds ATSDR Residential Soil Screening Level

TCDD: Tetrachlorodibenzo-p-dioxin
PeCDD: Pentachlorodibenzo-p-dioxin
HxCDD: Hexachlorodibenzo-p-dioxin
HpCDD: Heptachlorodibenzo-p-dioxin
OCDD: Octachlorodibenzo-p-dioxin
TCDF: Tetrachlorodibenzofuran
PeCDF: Pentachlorodibenzofuran
HxCDF: Hexachlorodibenzofuran
HpCDF: Heptachlorodibenzofuran
OCDF: Octachlorodibenzofuran

Table 8
Soil Analytical Results - EPA Toxicity Equivalent Calculations
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785

Collected By-->				TRC				Sand Creek Consulting				
Date-->				8/14/2019	8/14/2019	8/14/2019	8/14/2019	11/5/2019	11/5/2019	9/14/2020	11/5/2019	9/14/2020
Sample-->				N4-1	N4-2	N4-3	N7-1	RP-101	RP-102	RP-102	RP-103	RP-103
Sample Depth--(Inches)-->				0-6	0-6	0-6	0-6	10	8	10-12	10	12-14
Percent Moisture (%)-->												
Saturated (S) vs Unsaturated (U)-->				U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	EPA TEF 2,3,7,9-TCDD									
2,3,7,8-TCDD	1746-01-6	ng/kg	1	0.80 ^J	0.85 ^J	1.00	0.26 ^J	<2.1 ^D	<0.27	<0.28	<2.5	<0.36
1,2,3,7,8-PeCDD	36088-22-9	ng/kg	1	2.50 ^J	5.20	5.90	0.91 ^J	<1.5 ^D	1.90 ^J	0.44 ^{I,J,EMPC}	<0.55	<0.59
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	0.1	0.63	0.78 ^{J,DN2}	0.90 ^{J,DN2}	0.22 ^J	<2.9 ^D	0.48 ^J	0.11 ^{I,J,EMPC}	0.14 ^J	<1.2
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	0.1	2.40	3.90 ^{DN2}	4.40 ^{DN2}	0.61	0.60 ^{J,D}	2.10	0.58	0.47	<1.4
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	0.1	1.20	1.50 ^{J,DN2}	1.50 ^{J,DN2}	0.34 ^J	0.34 ^{J,D}	0.89	0.30 ^J	0.20 ^{I,J,EMPC}	<1.1
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	0.01	5.30	8.20 ^{DN2}	9.30 ^{DN2}	1.50	0.95 ^D	3.80	1.10	0.77	0.09
OCDD	3268-87-9	ng/kg	0.0003	1.53	2.19 ^{DN2}	2.76 ^{DN2}	0.39	0.18 ^{I,J,D}	0.90	0.27	0.16	0.02
Total TCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--
Total PeCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--
Total HxCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--
Total HpCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--
Furan Congeners												
2,3,7,8-TCDF	51207-31-9	ng/kg	0.1	0.21 ^V	0.44 ^C	0.24 ^V	0.06 ^{I,J,EMPC}	<2.4 ^D	0.14 ^C	<0.61	0.19 ^V	<0.44
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	0.03	0.06 ^J	8.10 ^{P,EMPC}	0.10 ^J	0.02 ^J	<1.5 ^D	0.05 ^J	<0.46	<0.29	<0.73
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	0.3	3.30	4.20	18.30	1.23 ^J	<1.7 ^D	4.20	1.59 ^{I,J,EMPC}	3.60	<0.44
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	0.1	0.82	1.60 ^{J,DN2}	7.50 ^{P,DN2,EMPC}	0.36 ^{P,J,EMPC}	0.48 ^{J,D}	0.63	<0.73	0.21 ^J	<1.3
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	0.1	0.80	2.00 ^{J,DN2}	2.80 ^{P,DN2,EMPC}	0.27 ^J	0.38 ^{J,D}	1.40 ^{P,EMPC}	1.10 ^{P,EMPC}	0.62 ^{P,EMPC}	<1.2
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	0.1	0.65	1.60 ^{J,DN2}	3.00 ^{DN2}	0.24 ^J	0.39 ^{J,D}	0.62	0.77	0.52	<1.3
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	0.1	0.30 ^J	0.67 ^{J,DN2}	0.61 ^{J,DN2}	0.08 ^J	0.20 ^{J,D,EMPC}	0.29 ^J	<1.1	0.15 ^{I,J,EMPC}	<1.2
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	0.01	1.50	2.50 ^{DN2}	3.80 ^{DN2}	0.46	0.37 ^D	0.99	0.40	0.45	0.03 ^J
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	0.01	0.09	0.14 ^{J,DN2}	0.20 ^{J,DN2}	0.02 ^J	0.02 ^{I,J,D,EMPC}	0.06	0.02 ^{I,J,EMPC}	0.02 ^J	<1.7
OCDF	39001-02-0	ng/kg	0.0003	0.10	0.15 ^{DN2}	0.19 ^{DN2}	0.02	0.01 ^{I,J,D,EMPC}	0.05	0.02	0.02	0.00 ^J
Total TCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--
Total PeCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--
Total HxCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--
Total HpCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--
U.S. Department of Health Agency for Toxic Substances and Disease Registry (ATSDR)												
	CAS Number	Units	Residential Soil Screening Level									
2,3,7,8-TCDD TEQ ¹	--	ng/kg	50	22	44	62	7.0	3.9	19	6.7	7.5	0.15

Notes:

ng/kg = Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
- = Not Sampled/Collected
-- = No Standard/Not Applicable
TEQ = Toxicity Equivalent Calculations
¹ = TEQ values calculated using the U.S. EPA 2007 values.

Exceeds ATSDR Residential Soil Screening Level

TCDD: Tetrachlorodibenzo-p-dioxin
PeCDD: Pentachlorodibenzo-p-dioxin
HxCDD: Hexachlorodibenzo-p-dioxin
HpCDD: Heptachlorodibenzo-p-dioxin
OCDD: Octachlorodibenzo-p-dioxin
TCDF: Tetrachlorodibenzofuran
PeCDF: Pentachlorodibenzofuran
HxCDF: Hexachlorodibenzofuran
HpCDF: Heptachlorodibenzofuran
OCDF: Octachlorodibenzofuran

Laboratory Qualifiers and Notes:

^J = Estimated Value
EMPC = Estimated Maximum Possible Concentration
^P = PCDE Interference
^I = Interference Present
^V = Results verified by confirmation analysis
^C = Results obtained from confirmation analysis
^D = Results obtained from analysis of diluted sample
^{DN2} = Results obtained from diluted sample
^E = Exceeds calibration Range
Results reported on a dry weight basis and are valid to no more than 2 significant figures

Table 9
Soil Analytical Results - EPA Toxicity Equivalent Calculations
City of Wausau - Thomas Street Railroad Corridor
132 River Street
Wausau, WI 54401
BRRS# 02-37-584785

Collected By-->				REI Engineering, Inc.											
Date-->				4/23/2020	9/14/2020	4/23/2020	9/14/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020
Sample-->				R1	R1	R2	R2	R3	R4	R5	R6	R7	R8	R9	R10
Sample Depth--(Inches)-->				3-5	10-12	4-6	10-12	3-6	3-5	6-9	6-8	11-13	2-4	4-5	5-6
Percent Moisture (%)-->				28.6	12.9	22.4	15.4	16.7	18.8	13.3	8.6	8.1	11.3	3.9	8.3
Saturated (S) vs Unsaturated (U)-->				U	U	U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	EPA TEF 2,3,7,9-TCDD												
2,3,7,8-TCDD	1746-01-6	ng/kg	1	1.10 ^J	<0.67	0.55 ^J	<0.39	<0.24	<0.18	<0.34	<0.52	<0.20	<0.17	<0.15	<0.22
1,2,3,7,8-PeCDD	36088-22-9	ng/kg	1	5.20 ^J	1.90 ^J	2.80 ^J	1.00 ^{I,J,EMPC}	0.55 ^{I,J,EMPC}	1.20 ^J	0.84 ^J	0.73 ^J	<0.10	<0.094	<0.097	0.24 ^{I,J,EMPC}
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	0.1	1.20	0.51 ^J	0.51 ^J	0.33 ^J	0.04 ^{I,J,EMPC}	0.17 ^J	0.09 ^{I,J,EMPC}	0.06 ^{I,J,EMPC}	<0.25	<0.22	<0.19	0.06 ^J
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	0.1	3.90	1.60	2.20	1.10	0.16 ^{I,J,EMPC}	0.60	0.35 ^J	0.26 ^J	<0.25	<0.17	0.03 ^J	0.15 ^J
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	0.1	2.40	0.85	1.00	0.52 ^{I,J,EMPC}	0.12 ^{I,J,EMPC}	0.36 ^J	0.19 ^J	0.12 ^J	<0.26	0.02 ^{I,J,EMPC}	<0.17	0.12 ^J
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	0.01	9.60	3.10	4.00	2.00	0.37	0.01 ^J	0.78	0.57	0.06	0.01 ^J	0.05	0.33
OCDD	3268-87-9	ng/kg	0.0003	2.22	0.78	0.90	0.42	0.08	0.26	0.20	0.15	0.01	0.01	0.01	0.08
Total TCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PeCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HxCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HpCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Furan Congeners															
2,3,7,8-TCDF	51207-31-9	ng/kg	0.1	0.40 ^V	0.18 ^C	0.25 ^V	0.15 ^V	0.07 ^J	0.08 ^{I,J,EMPC}	<0.34	<0.48	<0.17	<0.26	<0.18	0.02 ^{I,J,EMPC}
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	0.03	0.14 ^J	0.06 ^J	0.10 ^J	<1.0	0.01 ^J	0.03 ^J	0.02 ^J	<0.022	<0.14	<0.047	<0.16	0.01 ^{I,J,EMPC}
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	0.3	3.60	1.50 ^J	4.50	1.44 ^J	0.39 ^J	0.72 ^J	1.71	2.76	0.04 ^{I,J,EMPC}	0.07 ^J	0.17 ^J	0.24 ^J
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	0.1	1.90	0.98 ^{P,EMPC}	2.40 ^{P,EMPC}	0.41 ^J	0.12 ^J	0.28 ^J	0.12 ^J	0.17 ^J	<0.28	<0.28	0.02 ^J	0.05 ^J
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	0.1	2.20	0.67	0.79	0.38 ^J	0.14 ^{I,J,EMPC}	0.48 ^{P,EMPC}	0.20 ^J	0.18 ^J	<0.18	0.09 ^J	0.09 ^{P,I,J,EMPC}	0.12 ^{P,I,J,EMPC}
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	0.1	2.30	0.75	1.50	0.68	0.15 ^J	0.36 ^J	0.48	0.19 ^J	<0.27	0.03 ^J	0.04 ^J	0.09 ^J
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	0.1	0.55 ^J	0.17 ^{I,J,EMPC}	0.31 ^J	<0.90	<0.46	0.06 ^J	0.07 ^{I,J,EMPC}	<0.17	<0.23	<0.20	<0.14	0.02 ^{I,J,EMPC}
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	0.01	3.40	1.20	1.40	0.65	0.14	0.40	0.28	0.17	0.02 ^J	0.02 ^J	0.02 ^J	0.09
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	0.01	0.17	0.07	0.08	0.03 ^{I,J,EMPC}	<0.50	0.02 ^J	0.01 ^J	0.01 ^J	<0.22	<0.15	<0.14	0.00 ^J
OCDF	39001-02-0	ng/kg	0.0003	0.14	0.05	0.05	0.03	0.00	0.02	0.01	0.01	0.00 ^J	0.00 ^{I,J,EMPC}	0.00 ^J	0.01
Total TCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PeCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HxCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HpCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Department of Health Agency for Toxic Substances and Disease Registry (ATSDR)															
	CAS Number	Units	Residential Soil Screening Level												
2,3,7,8-TCDD TEQ ¹	--	ng/kg	50	40	14	23	9.1	2.3	5.0	5.3	5.4	0.14	0.25	0.43	1.6

Notes:

ng/kg = Parts Per Trillion (ppt)

< = Concentration Below Laboratory Detection Limit

- = Not Sampled/Collected

- - = No Standard/Not Applicable

TEQ = Toxicity Equivalent Calculations

¹ = TEQ values calculated using the U.S. EPA 2007 values.

Bold = Exceeds ATSDR Residential Soil Screening Level

TCDD: Tetrachlorodibenzo-p-dioxin

PeCDD: Pentachlorodibenzo-p-dioxin

HxCDD: Hexachlorodibenzo-p-dioxin

HPCDD: Heptachlorodibenzo-p-dioxin

OCDD: Octachlorodibenzo-p-dioxin

TCDF: Tetrachlorodibenzofuran

PeCDF: Pentachlorodibenzofuran

HxCDF: Hexachlorodibenzofuran

HPCDF: Heptachlorodibenzofuran

OCDF: Octachlorodibenzofuran

Laboratory Qualifiers and Notes

$$^j = \text{Estimated Value}$$

EMPC = Estimated Maximum Possible Concentration

^P = PCDE Interference

¹ = Interference Present

^V = Results verified by confirmation analysis

^C = Results obtained from confirmation analysis

^D = Results obtained from analysis of diluted sample

DN2 = Results obtained from diluted sample

^E = Exceeds calibration Range

Results reported on a dry weight basis and are valid to no more than 2 significant figures

Table 10
Soil Analytical Results - EPA Toxicity Equivalent Calculations
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRTS# 02-37-584785

Collected By-->				REI Engineering, Inc.									
Date-->				4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020	4/23/2020
Sample-->				P1	P1	P2	P2	P3	P3	P4	P4	P5	P5
Sample Depth--(Inches)-->				2-3	7-9	2-3	10-12	2-3	12-14	2-3	9-11	2-3	11-13
Percent Moisture (%)-->				45.0	24.7	20.7	19.5	19.0	12.0	17.8	12.9	19.9	16.8
Saturated (S) vs Unsaturated (U)-->				U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	EPA TEE										
2,3,7,8-TCDD	1746-01-6	ng/kg	1	0.35 ^{I, J} _{EMPC}	0.71	<0.30 ^J	<0.13	<0.24 ^J	<0.74 ^J	<0.96	<0.54 ^J	<0.76 ^J	<0.91
1,2,3,7,8-PeCDD	36088-22-9	ng/kg	1	3.00 ^J	6.10 ^J	0.43 ^J	<0.15 ^J	0.25	0.42	<0.56 ^J	<0.53 ^J	0.74	<0.79 ^J
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	0.1	0.60	1.40	0.06	<0.21 ^J	0.06	0.08	0.18	0.06 ^J	0.18	<0.39 ^J
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	0.1	2.30	5.70 ^J	0.26	0.04	0.14	0.14	0.39	0.19	0.44	0.06
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	0.1	1.30	3.00 ^J	0.16	0.04 ^J	0.07	0.08	0.30	0.08 ^J	0.26	<0.64
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	0.01	5.20	12.00	0.55	0.05	0.27	0.28	1.10	0.39	1.10	0.17
OCDD	3268-87-9	ng/kg	0.0003	1.20	2.88	0.11 ^E	0.02	0.05 ^E	0.07	0.27	0.09	0.25	0.04
Total TCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--
Total PeCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--
Total HxCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--
Total HpCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--
Furan Congeners													
2,3,7,8-TCDF	51207-31-9	ng/kg	0.1	0.16 ^V	0.26	0.05 ^C	<0.21 ^{I, J} _{EMPC}	0.03 ^C	<0.64 ^C	<0.74 ^V	<0.77 ^J	<0.96 ^C	<0.66 ^C
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	0.03	0.09 ^{I, J} _{EMPC}	0.18	0.01 ^J	<0.26	<0.48 ^J	<0.61	<1.2 ^J	<0.59 ^J	<1.1 ^J	<1.1 ^J
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	0.3	7.80	10.20 ^J	0.33	<0.22 ^J	0.18	0.66	0.69	0.27 ^{I, J} _{EMPC}	0.54	0.17
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	0.1	0.93	1.50	0.14	<0.30 ^{I, J} _{EMPC}	0.08	0.07	0.23	0.16 ^J	0.24	<0.41
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	0.1	1.00	2.10 ^{P, J} _{EMPC}	0.21	0.06 ^{I, J} _{EMPC}	0.13	0.08	0.24	0.09 ^{P, J} _{EMPC}	0.17	<0.45
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	0.1	2.50	3.90	0.17	0.02 ^J	0.07	0.16	0.30	0.07 ^J	0.27	<0.45
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	0.1	0.45 ^J	0.69	<0.56 ^J	<0.24 ^J	<0.33 ^I _{EMPC}	<0.33	<0.16 ^J	<0.14 ^{I, J} _{EMPC}	<0.40	<0.43
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	0.01	1.40	3.40	0.16	0.04	0.11	0.08	0.41	0.16	0.54	0.10
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	0.01	0.10	0.21	0.01	<0.60 ^J	<0.87	<0.51	0.01	<0.27 ^J	<0.72	<0.98
OCDF	39001-02-0	ng/kg	0.0003	0.07	0.16	0.01	0.00	0.00	0.00	0.02	0.01	0.02	0.00
Total TCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--
Total PeCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--
Total HxCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--
Total HpCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--
U.S. Department of Health Agency for Toxic Substances and Disease Registry (ATSDR)													
	CAS Number	Units	Residential Soil Screening Level										
2,3,7,8-TCDD TEQ ¹	--	ng/kg	50	28	54	2.7	0.26	1.4	2.1	4.1	1.6	4.7	0.54

Notes:
ng/kg = Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
- = Not Sampled/Collected
-- = No Standard/Not Applicable
TEQ = Toxicity Equivalent Calculations
¹ = TEQ values calculated using the U.S. EPA 2007 values.

= Exceeds ATSDR Residential Soil Screening Level

TCDD: Tetrachlorodibenzo-p-dioxin
PeCDD: Pentachlorodibenzo-p-dioxin
HxCDD: Hexachlorodibenzo-p-dioxin
HPCDD: Heptachlorodibenzo-p-dioxin
OCDD: Octachlorodibenzo-p-dioxin
TCDF: Tetrachlorodibenzofuran
PeCDF: Pentachlorodibenzofuran
HxCDF: Hexachlorodibenzofuran
HPCDF: Heptachlorodibenzofuran
OCDF: Octachlorodibenzofuran

Laboratory Qualifiers and Notes:
^J = Estimated Value
EMPC = Estimated Maximum Possible Concentration
^P = PCDE Interference
^I = Interference Present
^V = Results verified by confirmation analysis
^C = Results obtained from confirmation analysis
^D = Results obtained from analysis of diluted sample
DN2 = Results obtained from diluted sample
^E = Exceeds calibration Range
Results reported on a dry weight basis and are valid to no more than 2 significant figures

Table 11
Soil Analytical Results - EPA Toxicity Equivalent Calculations
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785

Collected By-->				REI Engineering, Inc.									
Date-->				9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020
Sample-->				P6	P6	P7	P7	P8	P8	P9	P9	P10	P10
Sample Depth--(Inches)-->				2-3	10-12	2-3	10-12	2-3	10-12	2-3	10-12	2-3	10-12
Percent Moisture (%)-->				17.2	6.4	15.9	9.5	11.9	17.3	17.4	9.7	15.9	14.1
Saturated (S) vs Unsaturated (U)-->				U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	EPA TEF 2,3,7,9-TCDD										
2,3,7,8-TCDD	1746-01-6	ng/kg	1	0.32 ^{I,J,EMPC}	<0.27	0.97 ^J	<0.27	0.69 ^J	0.61 ^J	<0.26	0.27 ^J	0.41 ^J	<0.38
1,2,3,7,8-PeCDD	36088-22-9	ng/kg	1	3.20 ^J	0.33 ^J	3.80 ^J	0.62 ^J	6.40	6.60	3.30 ^J	0.68 ^J	5.90	2.70 ^J
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	0.1	0.79	<0.96	0.94	0.15 ^J	1.70	1.60	0.67	0.21 ^J	1.20	0.51 ^J
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	0.1	2.40	0.20 ^J	3.50	0.57	6.90	5.10	2.80	0.65	4.80	1.50
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	0.1	1.30	0.14 ^J	1.90	0.32 ^J	2.90	2.50	1.20	0.38 ^J	2.20	0.85
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	0.01	5.30	0.36	12.00	1.90	12.00	10.00	5.50	1.50	9.00	2.90
OCDD	3268-87-9	ng/kg	0.0003	1.38	0.09	3.30 ^E	0.51	3.00 ^E	2.43	1.32	0.33	2.28	0.69
Total TCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--
Total PeCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--
Total HxCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--
Total HpCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--
Furan Congeners													
2,3,7,8-TCDF	51207-31-9	ng/kg	0.1	0.19 ^V	<0.44	0.37 ^C	0.09 ^{I,J,EMPC}	0.41 ^C	0.57 ^C	0.33 ^V	0.08 ^J	0.43 ^C	0.21 ^C
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	0.03	0.01 ^{I,J,EMPC}	<0.72	0.10 ^J	<1.1	0.14 ^J	0.18	0.10 ^J	0.03 ^J	0.14 ^J	0.08 ^J
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	0.3	5.10	0.57 ^J	2.67	0.60 ^J	9.60	19.80	2.55	0.69 ^{I,J,EMPC}	15.90	16.20
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	0.1	1.10	<0.86	1.10	0.23 ^{I,J,EMPC}	2.00	1.70	1.30	0.35 ^J	1.50	1.20
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	0.1	1.30	0.16 ^{P,J,EMPC}	0.87	0.25 ^{I,J,EMPC}	2.40	3.60	1.20	0.40 ^{P,J,EMPC}	2.40	3.70
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	0.1	1.00	<1.4	0.90	0.31 ^J	2.00	2.30	0.95	0.35 ^J	3.10	3.10
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	0.1	0.46 ^J	<0.69	0.37 ^J	0.07 ^J	0.83 ^{I,EMPC}	1.00	0.40 ^J	0.07 ^{I,J,EMPC}	0.84	0.68
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	0.01	1.80	0.16	2.30	0.42	3.10	3.30	2.30	0.59	3.00	1.40
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	0.01	0.12	<1.1	0.12	0.03 ^J	0.20	0.20	0.12	0.02 ^J	0.17	0.08
OCDF	39001-02-0	ng/kg	0.0003	0.12	0.01	0.19	0.03	0.17	0.16	0.12	0.03	0.14	0.05
Total TCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--
Total PeCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--
Total HxCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--
Total HpCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--
U.S. Department of Health Agency for Toxic Substances and Disease Registry (ATSDR)													
	CAS Number	Units	Residential Soil Screening Level										
2,3,7,8-TCDD TEQ ¹	--	ng/kg	50	26	2.0	35	6.1	54	62	24	6.6	53	36

Notes:
ng/kg = Parts Per Trillion (ppt)
< = Concentration Below Laboratory Detection Limit
- = Not Sampled/Collected
-- = No Standard/Not Applicable
TEQ = Toxicity Equivalent Calculations
¹ = TEQ values calculated using the U.S. EPA 2007 values.

= Exceeds ATSDR Residential Soil Screening Level

TCDD: Tetrachlorodibenzo-p-dioxin
PeCDD: Pentachlorodibenzo-p-dioxin
HxCDD: Hexachlorodibenzo-p-dioxin
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Laboratory Qualifiers and Notes:
^J = Estimated Value
EMPC = Estimated Maximum Possible Concentration
^P = PCDE Interference
^I = Interference Present
^V = Results verified by confirmation analysis
^C = Results obtained from confirmation analysis
^D = Results obtained from analysis of diluted sample
DN² = Results obtained from diluted sample
^E = Exceeds calibration Range
Results reported on a dry weight basis and are valid to no more than 2 significant figures

Table 12
Soil Analytical Results - EPA Toxicity Equivalent Calculations
City of Wausau - Riverside Park
132 River Street
Wausau, WI 54401
BRRTS# 02-37-584785

Collected By-->				REI Engineering, Inc.											
Date-->				9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020
Sample-->				P11	P11	P12	P12	P13	P13	P14	P14	P15	P15	P16	P16
Sample Depth--(Inches)-->				2-3	10-12	2-3	10-12	2-3	10-12	2-3	10-12	2-3	10-12	2-3	10-12
Percent Moisture (%)-->				18.7	17.7	20.5	14.3	20.7	13.8	16.8	3.7	12.1	6.9	15.3	6.6
Saturated (S) vs Unsaturated (U)-->				U	U	U	U	U	U	U	U	U	U	U	U
Dioxin Congeners	CAS Number	Units	EPA TEF 2,3,7,9-TCDD												
2,3,7,8-TCDD	1746-01-6	ng/kg	1	1.50	0.79 ^{I,J} _{EMPC}	<0.51	<0.39	<0.56	<0.44	<0.70	<0.27	<0.39	<0.36	<0.77	<0.50
1,2,3,7,8-PeCDD	36088-22-9	ng/kg	1	11.00	7.10	1.90 ^J	1.10 ^J	1.50 ^J	0.97 ^J	1.50 ^J	<0.30	1.70 ^J	2.50 ^J	2.70 ^J	<0.93
1,2,3,4,7,8-HxCDD	39227-28-6	ng/kg	0.1	2.40	1.50	0.35 ^J	0.19 ^{I,J} _{EMPC}	0.33 ^{I,J} _{EMPC}	0.21 ^{I,J} _{EMPC}	0.29 ^J	0.08 ^J	0.57	0.40 ^{I,J} _{EMPC}	0.50 ^J	<1.7
1,2,3,6,7,8-HxCDD	57653-85-7	ng/kg	0.1	10.00	5.20	1.30	0.74	2.20	1.30	1.30	0.37 ^J	1.60	1.80	1.60	<2.0
1,2,3,7,8,9-HxCDD	19408-74-3	ng/kg	0.1	4.50	2.50	0.67	0.48 ^J	1.00	0.69	0.59	0.16 ^J	0.97	0.94	1.00	<1.6
1,2,3,4,6,7,8-HpCDD	35822-46-9	ng/kg	0.01	19.00	8.80	2.20	1.20	8.30	3.70	2.20	0.72	3.50	3.70	3.00	0.40
OCDD	3268-87-9	ng/kg	0.0003	5.40 ^E	2.25	0.51	0.28	1.17	0.63	0.54	0.16	0.75	0.93	0.72	0.09
Total TCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PeCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HxCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HpCDD	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Furan Congeners															
2,3,7,8-TCDF	51207-31-9	ng/kg	0.1	0.91 ^C	0.87 ^C	0.22 ^C	0.12 ^C	0.09 ^{I,J} _{EMPC}	0.13 ^V	0.17 ^C	<0.30	0.22 ^C	0.19 ^V	0.11 ^{I,J} _{EMPC}	<0.69
1,2,3,7,8-PeCDF	57117-41-6	ng/kg	0.03	0.33	0.22	0.06 ^{I,J} _{EMPC}	<1.8	<1.6	<1.4	<1.3	<1.3	0.06 ^J	0.06 ^{I,J} _{EMPC}	<0.74	<1.1
2,3,4,7,8-PeCDF	57117-31-4	ng/kg	0.3	33.00	39.00	4.20	3.00	3.00	2.43	1.23 ^J	0.51 ^J	1.62	1.80	0.75 ^{I,J} _{EMPC}	0.30 ^J
1,2,3,4,7,8-HxCDF	70648-26-9	ng/kg	0.1	2.20	1.70	0.66	0.26 ^{I,J} _{EMPC}	0.49 ^J	0.37 ^J	0.49 ^J	0.21 ^J	0.90	0.92	0.83	0.12 ^{I,J} _{EMPC}
1,2,3,6,7,8-HxCDF	57117-44-9	ng/kg	0.1	4.60	3.20	2.00 ^{P,EMPC}	1.30 ^{P,EMPC}	0.57 ^J	0.58	0.77 ^{P,EMPC}	0.23 ^J	0.93	0.69 ^{I,EMPC}	0.79	<1.2
2,3,4,6,7,8-HxCDF	60851-34-5	ng/kg	0.1	5.60	5.80	0.76	0.41 ^J	0.77	0.59	0.67	0.10 ^{I,J} _{EMPC}	0.55	0.73	0.53 ^J	0.18 ^J
1,2,3,7,8,9-HxCDF	72918-21-9	ng/kg	0.1	1.80	1.60	0.25 ^J	<1.2	<1.5	0.10 ^{I,J} _{EMPC}	<1.4	<0.36	0.22 ^J	0.24 ^J	0.23 ^{I,J} _{EMPC}	<1.3
1,2,3,4,6,7,8-HpCDF	67562-39-4	ng/kg	0.01	5.40	3.40	0.95	0.50	1.10	0.89	1.00	0.30	1.20	1.40	1.10	0.15
1,2,3,4,7,8,9-HpCDF	55673-89-7	ng/kg	0.01	0.38	0.22	0.06 ^J	0.02 ^{I,J} _{EMPC}	0.06 ^{I,J} _{EMPC}	0.06 ^J	0.06 ^J	0.01 ^{I,J} _{EMPC}	0.07	0.08	0.06	<2.8
OCDF	39001-02-0	ng/kg	0.0003	0.25	0.16	0.04	0.02	0.06	0.04	0.05	0.01	0.07	0.06	0.05	0.01
Total TCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PeCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HxCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total HpCDF	--	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Department of Health Agency for Toxic Substances and Disease Registry (ATSDR)															
	CAS Number	Units	Residential Soil Screening Level												
2,3,7,8-TCDD TEQ ¹	--	ng/kg	50	108	84	16	9.6	21	13	11	2.9	15	16	14	1.2

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 < = Concentration Below Laboratory Detection Limit
 - = Not Sampled/Collected
 - - = No Standard/Not Applicable
 TEQ = Toxicity Equivalent Calculations
¹ = TEQ values calculated using the U.S. EPA 2007 values.

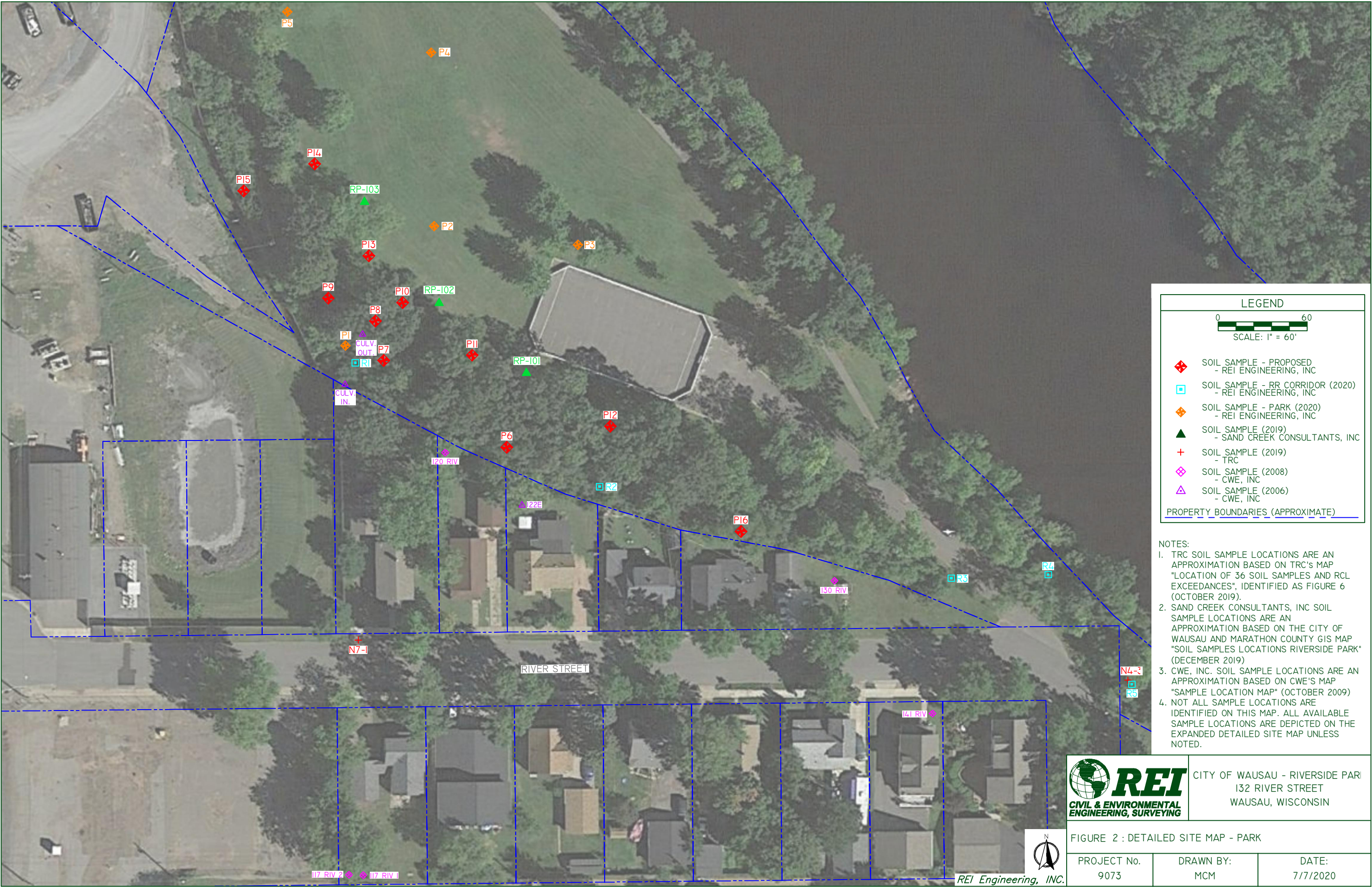
Bold = Exceeds ATSDR Residential Soil Screening Level

TCDD: Tetrachlorodibenzo-p-dioxin
PeCDD: Pentachlorodibenzo-p-dioxin
HxCDD: Hexachlorodibenzo-p-dioxin
HPCDD: Heptachlorodibenzo-p-dioxin
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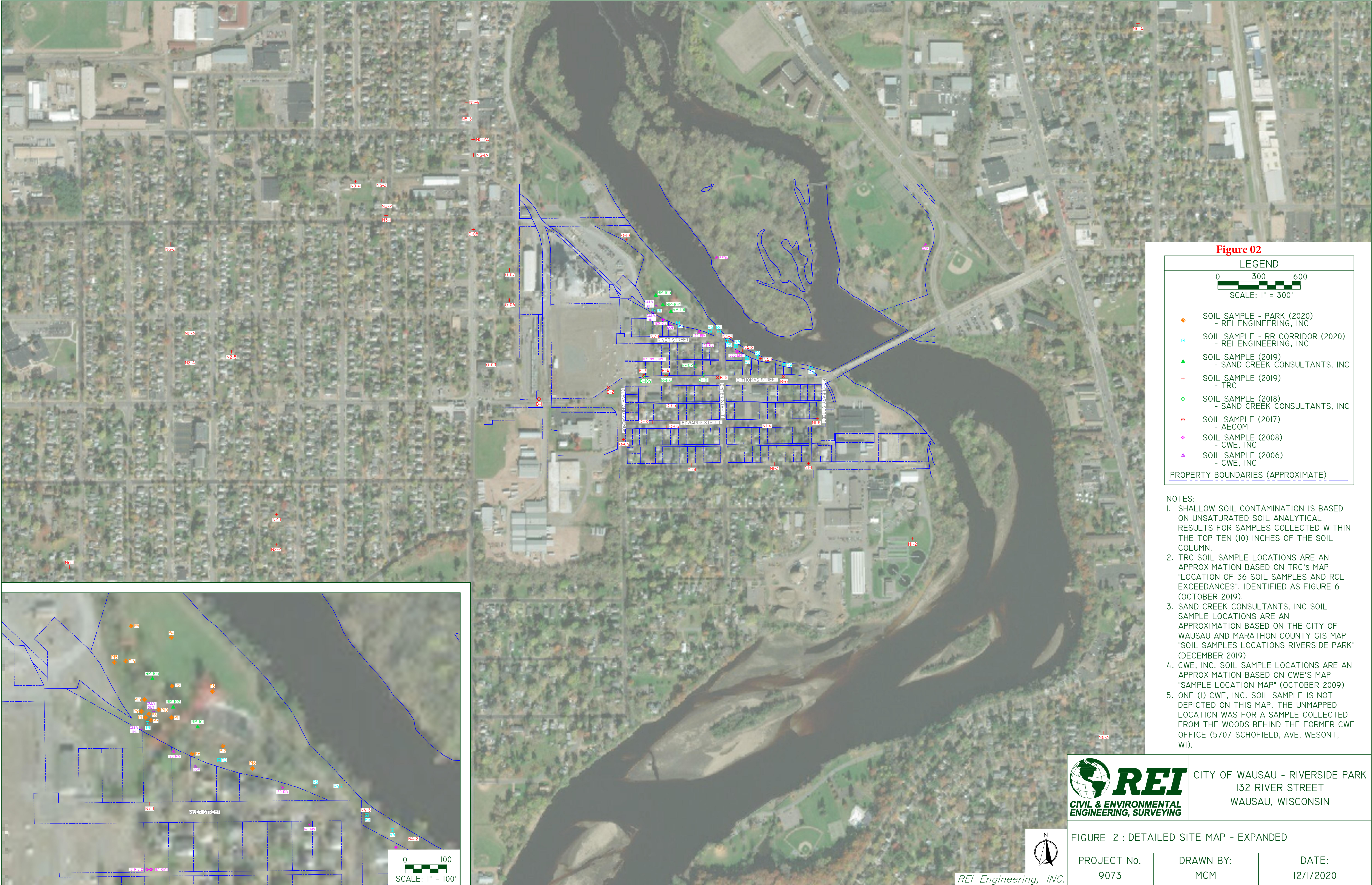
Laboratory Qualifiers and Notes:

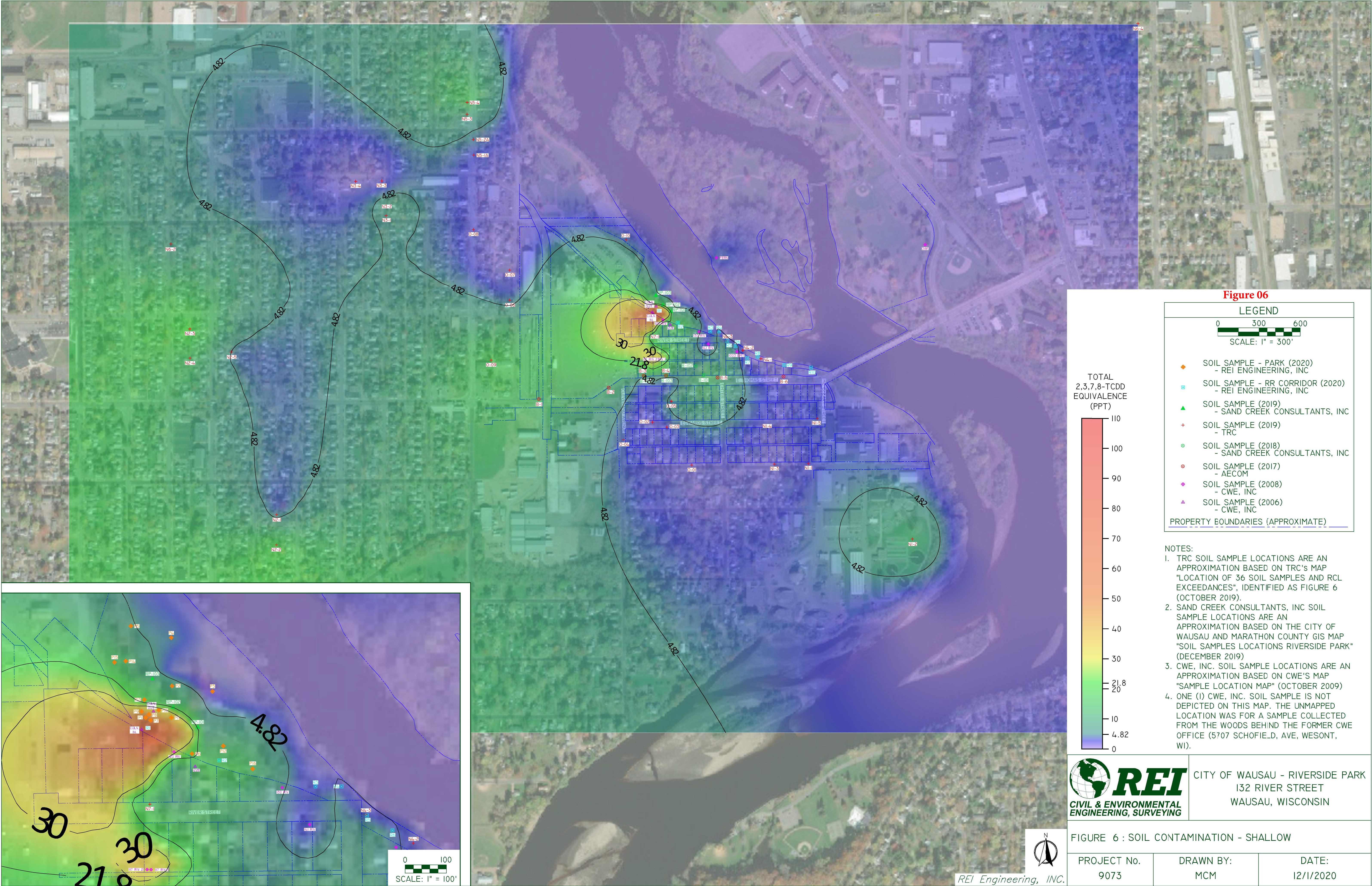
J = Estimated Value
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 Results reported on a dry weight basis and are valid to no more than 2 significant figures

DRAWING FILE: P:\9000-9099\9073 - CITY OF WAUSAU RIVERSIDE RR CORRIDOR\dwgs\9073-DETAILED SITE.DWG LAYOUT: PARK CLOSEUP PLOTTED: JUL 10, 2020 - 4:20PM PLOTTED BY: MATTM

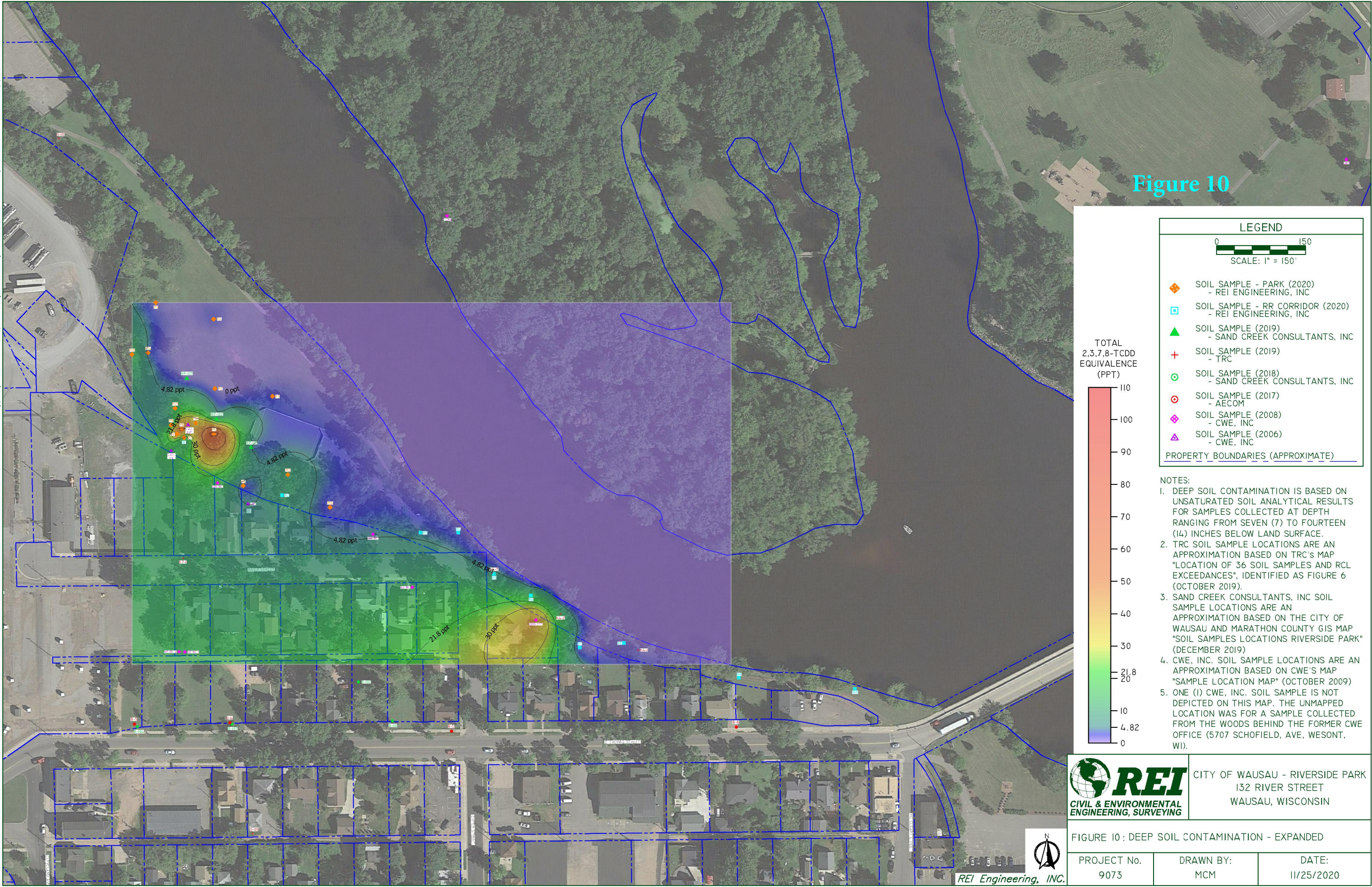


DRAWING FILE: P:\9000-9099\9073 - CITY OF WAUSAU RIVERSIDE RR CORRIDOR\DWGS\9073-DETAILED SITE.DWG LAYOUT: SITE (24X36) PLOTTED: DEC 01, 2020 - 1:53PM PLOTTED BY: MATTM





DRAWING FILE: P:\9000-9099\9073 - CITY OF WAUSAU RIVERSIDE RR CORRIDOR\DWGS\9073-Soil Contamination-DEEP (TEO).DWG LAYOUT: SITE (EXPANDED) PLOTTED: DEC 01, 2020 - 1:47PM PLOTTED BY: MATTM





WMCPRF 2021 Work Plan

Plans to Complete



- Update City Comprehensive Outdoor Recreation Plan
- Westside Master Plan
- Sustainability Plan
- Rib Falls Park Master Plan
- Participate in Rib Mountain State Park Master Plan
- Bike Ped Plan for Parks & City Hwys



Playground
Replacements

Scholfield

Big Eau Pleine

3M Park

Dells of Eau Claire

Treat and
Remove Ash
Trees



Plant 400+
trees



Staff Recruitment

Recreation Superintendent
Administrative Manager
Maintenance Technician

Forestry Work Plan Including:

- Est. & advertise 625+ acres of timber for sale & Admin 30+ sales.
- Acquire Land & Land, wildlife & recreation management



Develop short term
and long term CIP

Implement

Rec Software

Upgrade
Electrical, road
& horse barn at
BEP



City Small Projects

Plan for safe opening of pool
Stewart Park wall and step repairs
Self-watering flower baskets
Renovate Brockmeyer Park west soccer field
Scholfield Park parking Lot



Finish Dog Park

Sponsorship &
Naming Rights
Policy

County Small Projects

DEC high bridge decking & shelter masonry
Utility mapping Marathon Park
Rubber flooring in Ice Arena
Restroom & drinking fountain replacements

Enhance social
media presence

Proposed amendment to Wausau Municipal Code 9.20; Park Regulations & 9.22; Swimming and Wading

~~Strikeout text is deleted.~~

Shaded text is added.

Chapter 9.20 - PARK REGULATIONS ⁽⁵⁾

Footnotes:

--- (5) ---

State Law reference— For statutory provisions granting a City Park Board certain Board regulatory powers, see Wis. Stats. § 27.08.

9.20.010 - Vehicle regulation.

- (a) No person shall operate any vehicle at a speed in excess of 15 miles per hour or contrary to official traffic signs in any park **or City trail**.
- (b) No person shall operate or park any motor vehicle, except as provided in this subchapter, upon any hiking trail, beach area, playground, picnic area or any other area other than established roads, parking areas, boat ramps and service areas or contrary to posted notice or within any park seasonally closed to vehicular traffic.
- (c) No person shall operate a snowmobile as defined in Wis. Stats. § 340.01(58a) in any park, except on snowmobile trails approved by or for events authorized by the Park and Recreation Committee.
- (d) No person shall park, stop or leave standing, whether attended or unattended, any vehicle, obstruction or watercraft:
 - (1) In any manner as to block, obstruct or limit the use of any road, trail, sidewalk, parking lot, boat landing, waterway or winter sport facility; or
 - (2) Outside of any area provided for such purposes when it is practical to use such areas; or
 - (3) Contrary to posted notice.
- (e) Vehicles may be operated or parked in parks contrary to this subchapter subject to having obtained proper City permits.

(f). Any vehicle or watercraft in violation of subsection 9.20(d) may be towed off the property and stored at the owner's expense.

(Ord. 61-5483 (1 (part), 2011, File No. 02-0511; Ord. 61-5178 (1, 2002, File No. 02-0511; Ord. 61-5036 (1, 2000; prior code (11.05(1).)

9.20.020 - Regulation of persons.

Persons using the public parks shall comply with the following:

- (a) No fires shall be permitted in any park other than The 400 Block, except for cooking purposes at designated places. **No fires shall be permitted under or within a park shelter.** No grilling shall be permitted on The 400 Block, with the exception of those special events for which waivers are granted upon the recommendation of Public Health and Safety Committee and approval of the

Common Council. Open fires utilizing liquid or gas fuels may be permitted on The 400 Block with the written consent of the City of Wausau;

- (b) No person shall enter or be in any park between 11:00 p.m. and 6:00 a.m. Persons in attendance of an activity involving rental of a shelter or participation in a sanctioned special event shall be allowed to remain within the park until midnight or as allowed by the event agreement. Persons traveling on the River Edge Trail or on walkways traversing The 400 Block and persons transporting watercraft to and from designated boat landings are permitted at any hour;
- (c) No person shall distribute or post bills or advertisements in any park without written consent of the City of Wausau;
- (d) [This subsection is intentionally left blank]
- (e) No person shall sell or offer for sale any goods, wares or merchandise in any park, except as authorized by the City of Wausau and when holding proper licenses;
- (f) No person shall play or practice golf in any park;
- (g) No person shall carry into, possess, or throw any cup, glass, flask, bottle or other container made of glass or other shatterable material designed or used for holding a beverage **within a City park including** ~~or on the amphitheater at Marathon Park~~, the stadium and bleachers at Thom Field and the grandstand and bleachers in Athletic Park;
- (h) No owner or person having immediate custody, care or control of any animal, shall permit said animal to enter and/or remain in any designated public park building, bathing beach, the Marathon County Sports Complex, the Marathon Park Amphitheater, or playground safety surface area within any City park, except for a dog specially trained to lead blind or deaf persons or to provide support for mobility-impaired persons. This restriction is in addition to the provisions contained in chapter 8.08 of the Wausau Municipal Code;
- (i) No person shall use any facility, shelter, land or other area, for which a fee or charge has been established by the City of Wausau, without payment of such fee or charge prior to the use.
- (j) No person shall enter in any way any building, facility or area that may be under construction or locked or closed to public use, enter or be upon any building, facility or area after the posted closing time or before the posted opening time or contrary to posted notice in any park;
- (k) No person shall use docks or piers adjacent to any boat landing in any manner as to obstruct or hinder the launching, landing, loading or unloading of watercraft;
- (l) No person shall play or practice hockey, broomball or any other games or sports that may interfere with casual ice skaters, when casual skaters are present on outdoor ice skating rinks established by the Park and Recreation Committee, except hockey and broomball may be played on designated hockey rinks;
- (m) No person shall knowingly obstruct any law enforcement officer while the law enforcement officer is doing any act in an official capacity and with lawful authority. Obstruct includes without limitation knowingly giving false information with intent to mislead the law enforcement officer in the performance of duty including the issuance of any citation;
- (n) No person shall take, catch, kill, hunt, trap, pursue, feed or otherwise disturb any wild animals or birds in any park, except that nuisance animals may be trapped upon written consent of the Park and Recreation Committee or its authorized agent and in accordance with applicable state statutes and applicable provisions of the Wisconsin Administrative Code setting forth regulations of the Department of Natural Resources;
- (o) Rules and regulations may be made governing the use and enjoyment of all lands, structures and property owned, leased or administered by the City and under the management, supervision and control of the Park and Recreation Committee. No person shall disregard posted rules and regulations or engage in any activity contrary to posted notice. Any person who shall violate such rules and regulations or who refuses to subject himself thereto may be

excluded from the use of such facility. The decision of the Director of the Parks Department to exclude individuals from the use of park facilities shall be final and the City elects not to be bound by the provisions of Wis. Stats. ch. 68, with respect to administrative procedure in this regard;

- (p) No person shall allow a dog or other animal to intimidate any other person from the use or enjoyment of any park. Evidence that a dog or other animal intimidates persons includes, but is not limited to, such animal not being amenable to control or threatening to attack persons or other animals. Any law enforcement officer or park ranger may order the animal be removed from the park;
- (q) No person shall disturb, molest, deface, remove or destroy any trees, shrubs, plants or other natural growth; disturb or remove shoreline rip-rap; carve on any rocks, archaeological or geological features, signs, walls or structures; drive nails in trees or move, deface or vandalize in any manner any structures including buildings, signs, fences, tables or other park property. Edible fruits, nuts, wild mushrooms and wild asparagus may be picked or gathered without a permit.
- (r) No person shall **hike, walk or run or** allow a dog or any other animal on cross-country ski trails, during that period of the year when such trails are open for cross-country skiing in any City park **unless in the case of an emergency or injury.**
- (s) No person shall possess or consume intoxicating liquor or fermented malt beverages in or upon The 400 Block except between the hours of 4:00 p.m. and 11:00 p.m.; during a Class I, II, or III Special Event upon request of the event organizer and as approved under the City's Special Events Policy and Procedures for a period beginning two hours before the time for the Class I, II, or III Special and ending one hour after the event if the event closes prior to 4:00 p.m., or such hours beginning before and ending after the event as may otherwise be approved by the Public Health and Safety Committee; or, as otherwise approved by the Public Health and Safety Committee and Common Council as provided in section 9.04.025(d).

(Ord. 61-5803 (1, 2019, File No. 02-0511; Ord. 61-5749 (2, 2017; Ord. 61-5745 (1, 2017, File No. 80-0828; Ord. 61-5714 (2, 2016; Ord. 61-5710 (1, 2016, File No. 80-0828; Ord. 61-5663 (1, 2015, File No. 02-0511; Ord. 61-5640 (1, 2014; Ord. 61-5586 (1, 2013, File No. 02-0511; Ord. 61-5567 (1, 2013, File No. 02-0511; Ord. 61-5483 (2, 2011, File No. 02-0511; Ord. 61-339 (3, 2007, File No. 07-0718; Ord. 61-5267 (1, 2005, File No. 02-0511; Ord. 61-5178 (2, 2002, File No. 02-0511; Ord. 61-5036 (2, 2000; Ord. 61-4986 (2, 1997; Ord. 61-4959 (1, 1996; Ord. 61-4934 (1, 1996; Ord. 61-4909 (1, 1995; Ord. 61-4779 (1, 1992; Ord. 61-4476 (1, 1981; Ord. 61-4343 (1, 1977; prior code (11.05(2).)

9.20.030 - Pickup and drop area.

There is designated a water ski (pickup and drop area) in the Wisconsin River on the easterly side of D.C. Everest County Park for the water ski club authorized by the Park Commission to conduct water ski practices and performances.

(Ord. 61-5404 (1, 2009, File No. 87-0532, Ord. 61-5176 (1, 2002, File No. 87-532; Ord. 61-4616 (1, 1987.))

Chapter 9.21 - BOATING REGULATIONS

9.21.010 - Intent.

This chapter is enacted for the purpose of promoting and protecting the public health, safety and welfare in accordance with the legislative intent set forth in Wis. Stats. § 30.77 (3)(a). The intent of this chapter is to provide safe and healthful conditions for the enjoyment of aquatic recreation consistent with public rights and interest and the capability of the water resource.

(Ord. 61-4643 (1(part), 1988.)

9.21.020 - Applicability and enforcement.

The provisions of this chapter shall apply to the waters of Lake Wausau, the Big Rib River and the Little Rib River within the jurisdiction of the City. The provisions of this chapter shall be enforceable by the officers of the City and by anyone else designated by the Chief of Police and by, where it is permissible, deputies of the Marathon County sheriff's Department and by wardens employed by the Wisconsin Department of Natural Resources.

(Ord. 61-4816 (1(part), 1993; Ord. 61-4643 (1(part), 1988.)

9.21.030 - State boating and safety laws adopted.

All terms, provisions and conditions of Wis. Stats. §§ 30.50 to 30.71 inclusive are incorporated in this chapter in their entirety by specific reference as if set forth in full. Any subsequent amendments to such sections are likewise incorporated in this chapter in their entirety by specific reference as if set forth in full inasmuch as it is the intent of this chapter to be in conformity with the above cited state statutes.

(Ord. 61-4643 (1(part), 1988.)

9.21.040 - Definitions.

Definitions in this chapter:

Slow-no-wake means that speed at which a boat moves as slowly as possible while still maintaining steerage control.

(Ord. 61-4643 (1(part), 1988.)

9.21.050 - Controlled areas.

The following areas are (slow-no-wake(areas:

- (a) On the Big Rib River beginning at the upstream (west) edge of the U.S. Highway 51 southbound bridge and proceeding downstream (east) to a line 600 feet downstream (east) of the U.S. Highway 51 northbound bridge;
- (b) On the Big Rib River beginning at a point 2,400 feet upstream of the confluence of the Little Rib River (also described as the common corner of Sections 32 and 33, T29N, R7E and Section 4 and 5, T28N, R7E) and proceeding upstream (westerly) 3,100 feet;
- (c) Under County Highway N Bridge commonly known as Snake Bridge;
- (d) The Bluegill Bay County Park lagoon;
- (e) Within 100 feet of the boat launches at D.C. Everest County Park in the City, except there is designated a water ski (pickup and drop area(in the Wisconsin River on the easterly side of D.C. Everest County Park for the Wausauqua Water Ski Shows, Inc., during times of practice and performance and for the general public at all other times;

- (f) Within 100 feet of the boat launch at Oak Island Park in the City;
- (g) Within 150 feet of the boat launch and/or dock at Memorial Park in the City;
- (h) Within 200 feet of the boat launch on Kort Street in the village of Rothschild commonly known as St. Therese's;
- (i) Within 150 feet of the shoreline beginning at the boat launch pier and proceeding southeast approximately 250 feet to the lagoon inlet at Bluegill Bay County Park in the town of Rib Mountain;
- (j) From the dam on the Eau Claire River proceeding west to a line 75 feet west of the Grand Avenue Bridge.

(Ord. 61-4816 (1(part), 1993; Ord. 61-4643 (1(part), 1988.)

9.21.060 - Penalty.

Insofar as they relate to monetary forfeitures, the penalty provisions of Wis. Stats. § 30.80, and any subsequent amendments thereto, are incorporated herein in their entirety by specific reference as if set forth in full. It is the intent of this penalty provision to be in conformity with state statutes as those statutes relate to monetary forfeitures.

(Ord. 61-4816 (1(part), 1993; Ord. 61-4643 (1(part), 1988.)

Chapter 9.22 - SWIMMING AND WADING

9.22.010 - Prohibited swimming and wading in certain areas.

No person shall swim or wade within 50 feet of boat ramps at the following locations except for the express purpose of launching or landing a boat: D.C. Everest County Park, Wausau; Gilbert Park, Wausau; Memorial Park, Wausau; Oak Island Park, Wausau; and Scholfield Park, Wausau.

(Ord. 61-5110 (1, 2001, File No. 01-0415; Ord. 61-4644 (1, 1988.)

9.22.020 - Jumping and diving from bridges prohibited.

No person shall jump, dive, or otherwise launch themselves from any bridge, ~~or~~ approach, rope or other devise similar to a rope swing thereto into any body of water within the City limits.

(Ord. 61-4780 (1, 1992.)

Chapter 9.23 - FIREWOOD

9.23.010 - Definitions.

For the purpose of this chapter the words set out in this section shall have the following meanings:

Cord of wood means a unit of wood cut for fuel equal to a stack four by four by eight feet or 128 cubic feet.

Outside storage of firewood means any firewood which is not enclosed by four walls and a roof.

Processing of firewood means the cutting or splitting of firewood.

(Ord. 61-4747 (1(part), 1991.)

9.23.020 - Outside storage of firewood.

No person shall permit the outside storage firewood in the front yard and required corner side yard on residentially zoned property, except that firewood may be temporarily stored in the front yard and the required corner side yard for a period not to exceed 15 days, from the date of its delivery. Firewood should be neatly stacked and may not be stacked closer than one foot to any lot line and not higher than four feet from grade. All brush, debris, and refuse from processing of firewood shall be promptly and properly disposed of and shall not be allowed to remain on the premises.

(Ord. 61-4747 (1(part), 1991.)

9.23.030 - Amount of firewood.

No more than ten cords of wood shall be stored at any time upon one residential zoning lot.

(Ord. 61-4747 (1(part), 1991.)

9.23.040 - Processing of firewood.

No person shall process firewood between the hours of 7:00 p.m. and 7:00 a.m., and no person shall process firewood no more than four hours in total during the permitted time.

(Ord. 61-4747 (1(part), 1991.)

9.23.050 - Time to comply.

Those individuals not in compliance with section 9.23.030 at the time of the adoption of the ordinance codified in this chapter shall have one calendar year from the adoption of the ordinance codified in this chapter to get into compliance with this chapter. After this one-year period, those not in compliance will be subject to prosecution.

(Ord. 61-4747 (1(part), 1991.)

9.23.060 - Penalty.

- (a) Every person convicted of a violation of any of the provisions of this chapter shall for each offense be punished by a forfeiture not to exceed \$200.00 together with the cost of prosecution, and in lieu of payment and costs assessed shall be imprisoned in the county jail for a term not to exceed 15 days.
- (b) Every person in violation of this chapter is guilty of a separate offense for each and every day during any portion of which any violation of any of the provisions of this chapter is committed, continued or permitted by such person.

(Ord. 61-4747 (1(part), 1991.)

WMC Parks, Recreation & Forestry



2020 Year in Review

In 2020 our parks saw a significant increase in usage compared to other years. During the COVID-19 pandemic our citizens turned to our 3,401 acres of parkland and 29,848 acres of County Forest to recreate. According to a Google Community Mobility Report usage of parks in Marathon County was up 136% in July and August.

-308.5 ACRES AND 81,920 FT OF TRAILS MOWED = 7,676 HOURS OF MOWING

-PLANTED 402 TREES, REMOVED 377 NON-ASH TREES, TREATED 1600 ASH & EAB FOUND

-DISTRIBUTED 195 FAMILY ACTIVITY KITS

-NEW PLAYGROUND EQUIPMENT IN 4 PARKS

-NEW DASHER BOARDS, SOUND SYSTEM AND CONTROLLER IN THE ICE ARENAS

-UPDATED SUNNYVALE SOFTBALL COMPLEX FIELDS, FENCES, CONCESSION, ETC.

-ACQUIRED 200 ACRES OF FOREST LAND

PASSES!! PASSES!!

Passes are available for boat launches, biking, disc golf.

4,417

passes were sold
(pool passes not included)



CAMPING

Camping had its busiest season in many years

35.6%

Increase in revenue over what was budgeted. Campers reserved 16,600 nights of camping this season

YOUTH ATHLETICS

Youth sports were delayed this year due to COVID and still played

298 Games

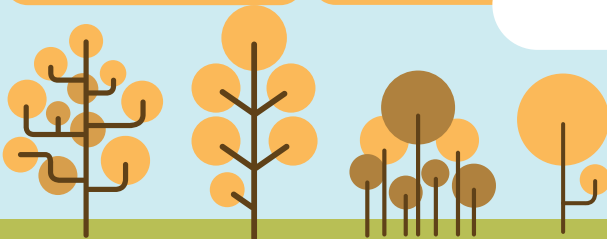
Adult Softball was cancelled
Woodchucks played 23 home games

SHELTER RESERVATIONS

Many events and shelter reservations were cancelled due to COVID-19

566

Still took place



Wausau & Marathon County
**Parks, Recreation
& Forestry**

**CELEBRATING
100
YEARS
1920-2020**

Wausau Pool Operations 2021

Preliminary Report



Operations

A. Staffing Plan:

For each pool...

Guards	8
Admissions	1
Social Distance	4
Clean/Disinfect	2

Hours of Operation

Mon - Fri	1 to 7 pm (30 min. set-up, 30 min take-down) 7 hrs per day
Sat & Sun	11 am to 7 pm (30 min. set-up, 30 min take-down) 8 hrs per day
Weekly total hours	51 hours of open swim operation per week per pool

B. Capacity (includes open water, slides, play structures, lily pads, deck, grass)

	Current	Covid
Kaiser	354	125
Memorial	305	100
Schulenburg	321	105

C. Admissions & Workplace Practice Controls

1. Social Distance markings any where that lines form (front gates, slides, etc.)
2. Signage – Symptom Recognition, Social Distancing, New Capacities, Disinfection Activities, New and existing rule compliance,
3. At point of sale-admissions: masks, no hand-to-hand collection of fees, hand sanitizer, regular hand washing, encourage cashless transactions.
4. Install plastic shields to reduce face to face breathing contact
5. Employees are masked at all times on the deck and when enforcing social distancing
6. Guards in chairs are allowed to remove their masks while in the chair.
7. Restrict patron access with marked buffer zones around guard chairs.
8. Safety equipment is disinfected any time it changes from one employee to the next.
9. Increase staff training to include new cleaning and disinfecting protocols, stagger breaks, schedule in teams, expand rescue training techniques to include reaching poles and throw rings.

D. Patron Amenity Controls

1. Reduce lounge chairs by 50%, remove tables.
2. Install touchless hand sanitizers at gates, near pool offices and near slide stairways.
3. Partition between shade structures to allow one open side facing water.
4. Mark space for patrons on the grass and deck using sports field paint and tape.
5. Restrict access to locker rooms for restroom use only. Come dressed to swim.
6. Reduce/block shower access
7. Remove door or secure door to changing space in each locker room.
8. Require patrons to bring their own lifejackets
9. Restrict carry-in toys or swim aids to goggles only.
10. Add signage instructing patrons not to share personal items such as towels, goggles.

E. Disinfection of Surfaces/Spaces/Ammenities

1. Clean and disinfect locker rooms/restrooms on a regular schedule while open
2. Conduct regular disinfection of hand rails, counter tops, door handles, ledges, loungers, upright supports for shade structures, etc throughout open swim period.

Additional Considerations

- Attendance will be first come, first serve within the new capacities, no change in fees.
- Patrons should expect to arrive dressed to swim and to leave in their suits
- Access to the locker rooms will be for restroom use only
- Access to bathroom stalls, sinks and showers will be reduced to meet social distancing
- Patrons will be encouraged to carry-in/carry out their own seating, snacks, water
- Agency/day care groups will not be allowed
- Consideration will be made for providing special swim times for parents with toddlers, seniors
- No free days or times of day for the shortened season/reduced capacities

