



999 Fourier Dr., Ste. 101
Madison, WI 53717

T 608.826.3600
TRCcompanies.com

July 15, 2024

Mr. Matt Thompson
Wisconsin Department of Natural Resources
1300 W. Clairemont Avenue
Eau Claire, WI 54701

Subject: 2024 Second Quarterly Report - Wauleco, Inc., Wausau, Wisconsin
BRRTS #02-37-000006

Dear Mr. Thompson:

On behalf of Wauleco, Inc., TRC is submitting a copy (enclosed) of the 2024 Second Quarterly Report for the Wauleco, Inc., site in Wausau, Wisconsin.

If you have any questions or comments regarding this information, please call me at (608) 347-8594.

Sincerely,

TRC

A handwritten signature in blue ink that reads "Steve Sellwood".

Steve Sellwood
Project Manager

Attachments: 2024 Second Quarterly Report

cc: Evan Schreiner – Wauleco, Inc. (2 copies)
David Crass – Michael Best & Friedrich, LLP (electronic copy only)
Tom Dushek – TRC Wauleco (1 copy)

**Wauleco, Inc. - Wausau, Wisconsin
Quarterly Report
Submitted July 2024**

Summary of 2024 Second Quarter Activities

Groundwater Extraction and Treatment System Operation

Tables 1a, b, and c summarize the extraction and treatment system performance data for this reporting period. The results of the water discharged to the municipal sewer during the second quarter of 2024 are summarized as follows:

- Pentachlorophenol (PCP) screening (on-site gas chromatograph) results for the system effluent samples, which represent the water discharged to the municipal sanitary sewer, averaged 2.83 µg/L in April, 2.45 µg/L in May, and 2.60 µg/L in June.
- Laboratory results for the sampling event conducted this quarter are included in Tables 1a, b, and c for each month. The laboratory results for PCP in the system effluent was <3.0 µg/L on April 11, <3.0 µg/L on May 15, and 1.6 µg/L on June 12, 2024.
- Both laboratory and on-site screening results indicate that the effluent PCP concentrations were below the monthly average permit level of 150 µg/L and the daily maximum concentration of 300 µg/L.
- Total treatment system efficiency (including carbon polishing units) removed more than 99 percent of the PCP between the influent and the effluent.

On-site screening PCP influent concentrations ranged from 3,220 µg/L to 7,200 µg/L during the quarter (Tables 1a, b, and c). PCP influent and effluent concentrations in the fluidized bed reactor (FBR) are presented graphically, both as individual data points and as moving averages, on Figure 1. FBR results included the following:

- As shown on Figure 1 and in Tables 1a, b, and c, PCP concentrations in the FBR influent fluctuated during the quarter, and generally remain within normal concentrations.
- The average PCP removal efficiency for the biological portion (*i.e.*, FBR influent to the fixed film reactor [FFR] effluent) of the system during this quarter is compared to the following:

Month	Average PCP Removal (%)	Previous 12 Month Average (%)	Average 1 Year Ago (%)
April 2024	58	71	59
May 2024	66	71	63
June 2024	50	69	72

- The dissolved oxygen concentration in the influent to the FBR averaged 3.0 mg/L in April, 2.8 mg/L in May, and 3.9 mg/L in June 2024.

Laboratory results for the mercury analysis of the system effluent samples are included in Tables 1a, b, and c. The mercury concentration in the system effluent sample (discharged to the sanitary sewer) was <0.020 µg/L on April 11, < 0.020 µg/L on May 15, and <0.020 µg/L on June 12, which are below the permit discharge limit of 1.6 µg/L. The mass loading for mercury

in April, May, and June was calculated using half the detection limit (0.01 µg/L). The mass loading for mercury for April was calculated at 0.00000254 lb/24 hours, for May was calculated at 0.00000254 lb/24 hours, and for June was calculated at 0.00000246 lb/24 hours, which are below the permit discharge limit of 0.00048 lb/24 hours.

The daily groundwater flow of the effluent to the Wausau Wastewater Treatment Plant averaged 21.14 gpm for April, 21.13 gpm for May, and 20.47 gpm for June 2024 (Tables 2a, b, and c). Since June 2012 the pumping rate has been operated at approximately 22 gpm.

Figure 2 shows the average groundwater flow extracted and the average daily flow discharged to the Wausau Wastewater Treatment Plant.

Groundwater Monitoring

A complete round of water table elevations for the month of April 2024 are summarized in Table 3.

The product thickness data for April 2024 are summarized in Table 4. Measurements show minimal product present in April.

Enclosures: Tables 1a, b, and c – Above Ground Treatment System Data
Tables 2a, b, and c – Treatment System Flows
Table 3 – Groundwater Elevation Data
Table 4 – Free Product Measurements
Figure 1 – FBR Influent and Effluent PCP Concentrations
Figure 2 – Average Groundwater Extraction Rates and Water Level Deviation Versus Time

**TABLE 1a
APRIL 2024**

**Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin**

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>FFR Effluent</u>	<u>Bag Filter Effluent</u>	<u>Filters1+2 Effluent</u>	<u>System Effluent</u>	<u>System Eff Dup</u>
Biological Oxygen Demand	mg/L	4/11/2024	6.8	2.2				<	
Chemical Oxygen Demand	mg/L	4/11/2024	37	27				<	
Chloride	mg/L	4/11/2024	220	230				230	
Dissolved Oxygen	mg/L	4/3/2024	2.9	1.1	5.8				
	mg/L	4/11/2024	2.9	1.4	5.2				
	mg/L	4/17/2024	3	1.3	5.2				
	mg/L	4/25/2024	3.1	1.3	5.1				
Nitrogen, Ammonia	mg/L	4/3/2024	0.2	0.1	0.1				
	mg/L	4/11/2024	0.3	0.1	0.1				
	mg/L	4/17/2024	0.3	0.2	0.1				
	mg/L	4/25/2024	0.3	0.3	0.2				
Nitrogen, Nitrate	mg/L	4/3/2024	<	<	<				
	mg/L	4/11/2024	<	<	<				
	mg/L	4/17/2024	<	<	<				
	mg/L	4/25/2024	<	<	<				
Nitrogen, Total Kjeldahl	mg/L	4/11/2024	<	<				<	
Pentachlorophenol-Screen	µg/L	4/1/2024						2	
	µg/L	4/2/2024						2	
	µg/L	4/3/2024	4659	1808	2016			2	
	µg/L	4/4/2024						3	
	µg/L	4/5/2024						3	
	µg/L	4/6/2024						2	
	µg/L	4/7/2024						2	
	µg/L	4/8/2024						2	
	µg/L	4/9/2024						2	
	µg/L	4/10/2024						2	
	µg/L	4/11/2024	3664	1954	2209		75	2	
	µg/L	4/12/2024						3	
	µg/L	4/13/2024						3	
	µg/L	4/14/2024						3	
	µg/L	4/15/2024						3	
	µg/L	4/16/2024						3	
	µg/L	4/17/2024	5596	1987	1689			3	
	µg/L	4/18/2024						4	
	µg/L	4/19/2024						4	
	µg/L	4/20/2024						3	
	µg/L	4/21/2024						3	
	µg/L	4/22/2024						3	
	µg/L	4/23/2024						3	
	µg/L	4/24/2024						4	
	µg/L	4/25/2024	6368	2354	2211			4	
	µg/L	4/26/2024						3	
	µg/L	4/27/2024						3	
	µg/L	4/28/2024						3	
	µg/L	4/29/2024						3	
	µg/L	4/30/2024						3	

TABLE 1a
APRIL 2024

Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR</u> <u>Influent</u>	<u>FBR</u> <u>Effluent</u>	<u>FFR</u> <u>Effluent</u>	<u>Bag Filter</u> <u>Effluent</u>	<u>Filters1+2</u> <u>Effluent</u>	<u>System</u> <u>Effluent</u>	<u>System</u> <u>Eff Dup</u>
pH	S.U.	4/3/2024	6.65	6.7	6.7				
	S.U.	4/11/2024	6.55	6.5	6.55				
	S.U.	4/17/2024	6.6	6.6	6.65				
	S.U.	4/25/2024	6.65	6.65	6.7				
Phosphorus, Ortho	mg/L	4/11/2024	<	<				<	
Phosphorus, Phosphate	mg/L	4/3/2024	0.3	0.2	0.2				
	mg/L	4/11/2024	1.3	0.2	0.2				
	mg/L	4/17/2024	0.8	0.2	0.2				
	mg/L	4/25/2024	0.8	0.2	0.3				
Solids, Total Suspended	mg/L	4/11/2024	18	16				<	
Mercury	µg/L	4/11/2024	0.096					<	
Phenol									
2,3,4,6-Tetrachlorophenol	µg/L	4/11/2024	160		49		0.97	<	<
2,4,5-Trichlorophenol	µg/L	4/11/2024	<		<		<	<	<
2,4,6-Trichlorophenol	µg/L	4/11/2024	<		<		<	<	<
2,4-Dichlorophenol	µg/L	4/11/2024	<		<		<	<	<
2,4-Dimethylphenol	µg/L	4/11/2024	<		<		<	<	<
2,4-Dinitrophenol	µg/L	4/11/2024	<		<		<	<	<
2,6-Dichlorophenol	µg/L	4/11/2024	<		<		<	<	<
2-Chlorophenol	µg/L	4/11/2024	<		<		<	<	<
2-Methylphenol	µg/L	4/11/2024	<		<		<	<	<
2-Nitrophenol	µg/L	4/11/2024	<		<		<	<	<
3&4-Methylphenol	µg/L	4/11/2024	<		<		<	<	<
4,6-Dinitro-2-Methylphenol	µg/L	4/11/2024	<		<		<	<	<
4-Chloro-3-Methylphenol	µg/L	4/11/2024	<		<		<	<	<
4-Nitrophenol	µg/L	4/11/2024	<		<		<	<	<
Pentachlorophenol	µg/L	4/11/2024	1900		550		10	<	<
Phenol	µg/L	4/11/2024	<		<		<	<	<

**TABLE 1b
MAY 2024**

**Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin**

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>FFR Effluent</u>	<u>Bag Filter Effluent</u>	<u>Filters1+2 Effluent</u>	<u>System Effluent</u>	<u>System Eff Dup</u>
Biological Oxygen Demand	mg/L	5/15/2024	6.9	2.2				<	
Chemical Oxygen Demand	mg/L	5/15/2024	46	44				32	
Chloride	mg/L	5/15/2024	330	320				320	
Dissolved Oxygen	mg/L	5/2/2024	3.2	1.2	5				
	mg/L	5/7/2024	3.2	1.2	5				
	mg/L	5/15/2024	2.4	1	5.4				
	mg/L	5/24/2024	2.6	0.9	4.8				
	mg/L	5/31/2024	2.6	0.9	4.8				
Nitrogen, Ammonia	mg/L	5/2/2024	0.4	0.3	0.3				
	mg/L	5/7/2024	0.5	0.3	0.3				
	mg/L	5/15/2024	0.6	0.2	0.3				
	mg/L	5/24/2024	0.6	0.4	0.4				
	mg/L	5/31/2024	0.5	0.4	0.3				
Nitrogen, Nitrate	mg/L	5/2/2024	<	<	<				
	mg/L	5/7/2024	<	<	<				
	mg/L	5/15/2024	<	<	<				
	mg/L	5/24/2024	<	<	<				
	mg/L	5/31/2024	<	<	<				
Nitrogen, Total Kjeldahl	mg/L	5/15/2024	<	<				<	
Pentachlorophenol-Screen	µg/L	5/1/2024						2	
	µg/L	5/2/2024	5192	2241	1870			2	
	µg/L	5/3/2024						3	
	µg/L	5/4/2024						4	
	µg/L	5/5/2024						4	
	µg/L	5/6/2024						4	
	µg/L	5/7/2024	7200	2067	2149			3	
	µg/L	5/8/2024						3	
	µg/L	5/9/2024						3	
	µg/L	5/10/2024						3	
	µg/L	5/11/2024						3	
	µg/L	5/12/2024						3	
	µg/L	5/13/2024						3	
	µg/L	5/14/2024						3	
	µg/L	5/15/2024	4635	1593	1440		239	2	
	µg/L	5/16/2024						3	
	µg/L	5/17/2024						3	
	µg/L	5/18/2024						2	
	µg/L	5/19/2024						2	
	µg/L	5/20/2024						2	
	µg/L	5/21/2024						2	
	µg/L	5/22/2024						1	
	µg/L	5/23/2024						1	
	µg/L	5/24/2024	3885	1689	1302			1	

**TABLE 1b
MAY 2024**

**Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin**

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>FFR Effluent</u>	<u>Bag Filter Effluent</u>	<u>Filters1+2 Effluent</u>	<u>System Effluent</u>	<u>System Eff Dup</u>
Pentachlorophenol-Screen	µg/L	5/25/2024						2	
	µg/L	5/26/2024						2	
	µg/L	5/27/2024						2	
	µg/L	5/28/2024						2	
	µg/L	5/29/2024						2	
	µg/L	5/30/2024						2	
	µg/L	5/31/2024	3487	1163	1336			2	
pH	S.U.	5/2/2024	6.6	6.65	6.7				
	S.U.	5/7/2024	6.55	6.6	6.65				
	S.U.	5/15/2024	6.55	6.7	6.7				
	S.U.	5/24/2024	6.65	6.7	6.7				
	S.U.	5/31/2024	6.7	6.75	6.7				
Phosphorus, Ortho	mg/L	5/15/2024	<	<				<	
Phosphorus, Phosphate	mg/L	5/2/2024	0.9	0.2	0.2				
	mg/L	5/7/2024	0.9	0.2	0.2				
	mg/L	5/15/2024	0.6	0.3	0.4				
	mg/L	5/24/2024	0.8	0.3	0.3				
	mg/L	5/31/2024	0.9	0.4	0.3				
Solids, Total Suspended	mg/L	5/15/2024	27	23				3.6	
Mercury	µg/L	5/15/2024						<	
Phenol									
2,3,4,6-Tetrachlorophenol	µg/L	5/15/2024	130	41	41			<	<
2,4,5-Trichlorophenol	µg/L	5/15/2024	<	<	<			<	<
2,4,6-Trichlorophenol	µg/L	5/15/2024	<	<	<			<	<
2,4-Dichlorophenol	µg/L	5/15/2024	<	<	<			<	<
2,4-Dimethylphenol	µg/L	5/15/2024	<	<	<			<	<
2,4-Dinitrophenol	µg/L	5/15/2024	<	<	<			<	<
2,6-Dichlorophenol	µg/L	5/15/2024	<	<	<			<	<
2-Chlorophenol	µg/L	5/15/2024	<	<	<			<	<
2-Methylphenol	µg/L	5/15/2024	<	<	<			<	<
2-Nitrophenol	µg/L	5/15/2024	<	<	<			<	<
3&4-Methylphenol	µg/L	5/15/2024	<	<	<			<	<
4,6-Dinitro-2-Methylphenol	µg/L	5/15/2024	<	<	<			<	<
4-Chloro-3-Methylphenol	µg/L	5/15/2024	<	<	<			<	<
4-Nitrophenol	µg/L	5/15/2024	<	<	<			<	<
Pentachlorophenol	µg/L	5/15/2024	1500	450	440			<	<
Phenol	µg/L	5/15/2024	<	<	<			<	<

**TABLE 1c
JUNE 2024**

**Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin**

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>FFR Effluent</u>	<u>Bag Filter Effluent</u>	<u>Filters1+2 Effluent</u>	<u>System Effluent</u>	<u>System Eff Dup</u>
Biological Oxygen Demand	mg/L	6/12/2024	7.0	4.6				<	
Chemical Oxygen Demand	mg/L	6/12/2024	39	41				24	
Chloride	mg/L	6/12/2024	300	300				310	
Dissolved Oxygen	mg/L	6/5/2024	2.8	1	4.7				
	mg/L	6/12/2024	2.8	1	4.6				
	mg/L	6/19/2024	5.1	4	5.2				
	mg/L	6/26/2024	5	4	5.4				
Nitrogen, Ammonia	mg/L	6/5/2024	0.6	0.5	0.3				
	mg/L	6/12/2024	0.5	0.2	0.3				
	mg/L	6/19/2024	0.5	0.5	0.4				
	mg/L	6/26/2024	0.5	0.4	0.4				
Nitrogen, Nitrate	mg/L	6/5/2024	<	<	<				
	mg/L	6/12/2024	<	<	<				
	mg/L	6/19/2024	<	<	<				
	mg/L	6/26/2024	<	<	<				
Nitrogen, Total Kjeldahl	mg/L	6/12/2024	<	<				<	
Pentachlorophenol-Screen	µg/L	6/1/2024						2	
	µg/L	6/2/2024						2	
	µg/L	6/3/2024						2	
	µg/L	6/4/2024						3	
	µg/L	6/5/2024	3220	1116	1145			1	
	µg/L	6/6/2024						2	
	µg/L	6/7/2024						2	
	µg/L	6/8/2024						2	
	µg/L	6/9/2024						2	
	µg/L	6/10/2024						2	
	µg/L	6/11/2024						2	
	µg/L	6/12/2024	3324	1275	1320		397	2	
	µg/L	6/13/2024						2	
	µg/L	6/14/2024						2	
	µg/L	6/15/2024						2	
	µg/L	6/16/2024						2	
	µg/L	6/17/2024						2	
	µg/L	6/18/2024						2	
	µg/L	6/19/2024	4492	1823	2101			2	
	µg/L	6/20/2024						3	
	µg/L	6/21/2024						3	
	µg/L	6/22/2024						5	
	µg/L	6/23/2024						5	
	µg/L	6/24/2024						5	
	µg/L	6/25/2024						5	
	µg/L	6/26/2024	4478	3779	3434			4	
	µg/L	6/27/2024						3	
	µg/L	6/28/2024						3	

**TABLE 1c
JUNE 2024**

**Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin**

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>FFR Effluent</u>	<u>Bag Filter Effluent</u>	<u>Filters1+2 Effluent</u>	<u>System Effluent</u>	<u>System Eff Dup</u>
Pentachlorophenol-Screen	µg/L	6/29/2024						2	
	µg/L	6/30/2024						2	
pH	S.U.	6/5/2024	6.55	6.65	6.65				
	S.U.	6/12/2024	6.55	6.55	6.65				
	S.U.	6/19/2024	6.55	6.6	6.6				
	S.U.	6/26/2024	6.65	6.7	6.7				
Phosphorus, Ortho	mg/L	6/12/2024	<	<				<	
Phosphorus, Phosphate	mg/L	6/5/2024	1	0.4	0.4				
	mg/L	6/12/2024	1.1	0.7	0.8				
	mg/L	6/19/2024	0.9	0.8	0.8				
	mg/L	6/26/2024	0.8	0.6	0.6				
Solids, Total Suspended	mg/L	6/12/2024	17	25				12	
Mercury	µg/L	6/12/2024						<	
Phenol									
2,3,4,6-Tetrachlorophenol	µg/L	6/12/2024	140		45			<	<
2,4,5-Trichlorophenol	µg/L	6/12/2024	<		<			<	<
2,4,6-Trichlorophenol	µg/L	6/12/2024	<		<			<	<
2,4-Dichlorophenol	µg/L	6/12/2024	<		<			<	<
2,4-Dimethylphenol	µg/L	6/12/2024	<		<			<	<
2,4-Dinitrophenol	µg/L	6/12/2024	<		<			<	<
2,6-Dichlorophenol	µg/L	6/12/2024	<		<			<	<
2-Chlorophenol	µg/L	6/12/2024	<		<			<	<
2-Methylphenol	µg/L	6/12/2024	<		<			<	<
2-Nitrophenol	µg/L	6/12/2024	<		<			<	<
3&4-Methylphenol	µg/L	6/12/2024	<		<			<	<
4,6-Dinitro-2-Methylphenol	µg/L	6/12/2024	<		<			<	<
4-Chloro-3-Methylphenol	µg/L	6/12/2024	<		<			<	<
4-Nitrophenol	µg/L	6/12/2024	<		<			<	<
Pentachlorophenol	µg/L	6/12/2024	1500		480			1.6	1.6
Phenol	µg/L	6/12/2024	<		<			<	<

TABLE 2a
APRIL 2024

Treatment System Flows
Wauleco, Inc.
Wausau, Wisconsin

<u>Date</u>	<u>Influent Groundwater Flow Rate ⁽¹⁾⁽³⁾ (gpm)</u>	<u>POTW Discharge Flow Rate ⁽¹⁾⁽⁴⁾ (gpm)</u>	<u>POTW Totalized Discharge ⁽³⁾ (gal)</u>
4/1/2024	19.52	21.20	131102207
4/2/2024	19.28	21.34	131143142
4/3/2024	19.61	22.23	131175157
4/4/2024	19.58	20.99	131205388
4/5/2024	19.77	20.84	131235393
4/6/2024	19.71	20.89	131265475
4/7/2024	20.10	20.73	131295331
4/8/2024	20.07	20.73	131325182
4/9/2024	19.86	20.85	131355206
4/10/2024	19.98	20.61	131384886
4/11/2024	20.03	20.63	131414594
4/12/2024	20.31	20.68	131444378
4/13/2024	19.96	20.59	131474030
4/14/2024	20.14	20.76	131503929
4/15/2024	20.08	20.65	131533667
4/16/2024	20.27	20.72	131563510
4/17/2024	20.28	20.75	131593392
4/18/2024	20.16	20.79	131623324
4/19/2024	20.16	20.77	131653229
4/20/2024	19.81	20.86	131683262
4/21/2024	20.16	20.80	131713212
4/22/2024	15.46	20.86	131743253
4/23/2024	17.56	22.11	131775098
4/24/2024	18.14	21.86	131806571
4/25/2024	17.84	21.69	131837800
4/26/2024	17.89	21.84	131869254
4/27/2024	18.37	21.80	131900648
4/28/2024	18.85	21.82	131932063
4/29/2024	19.53	21.77	131963410
4/30/2024	19.48	21.89	131994929
Average For The Month	19.40	21.14	
Total ⁽²⁾ :			913,040

Footnotes:

- (1) Influent and POTW discharge flow rates are daily averages. These may not be equal due to balancing in the treatment system and calibration of individual flowmeters. The influent groundwater flow rate is calculated by adding the instantaneous flow rate from each pumping well (i.e., 16 meters). The POTW discharge flow rate is recorded directly from the effluent meter.
- (2) Total is the cumulative gallons discharged to the POTW during the reporting period. This number is calculated by subtracting the total of the previous month's last day from the total of the current month's last day, see previous month's report for the number used. The total from the first day of the current month is not used in the calculation.
- (3) Totalizers were reset to 0 on August 23, 2012 during the system shutdown for maintenance.
- (4) A new effluent meter was installed in April, 2017 during the system shutdown for maintenance.

TABLE 2b
MAY 2024

Treatment System Flows
Wauleco, Inc.
Wausau, Wisconsin

Date	Influent Groundwater Flow Rate ^{(1) (3)} (gpm)	POTW Discharge Flow Rate ^{(1) (4)} (gpm)	POTW Totalized Discharge ⁽³⁾ (gal)
5/1/2024	19.38	21.72	132026205
5/2/2024	19.43	21.62	132057344
5/3/2024	19.09	21.82	132088758
5/4/2024	19.15	21.64	132119919
5/5/2024	19.01	21.55	132150952
5/6/2024	19.11	21.58	132182020
5/7/2024	19.26	21.60	132213117
5/8/2024	19.51	21.69	132244356
5/9/2024	19.68	21.76	132275695
5/10/2024	19.47	21.69	132306931
5/11/2024	19.70	21.25	132337524
5/12/2024	19.73	21.23	132368094
5/13/2024	18.96	21.27	132398722
5/14/2024	19.33	20.96	132428899
5/15/2024	19.74	20.87	132458955
5/16/2024	19.71	20.95	132489126
5/17/2024	19.78	21.05	132519442
5/18/2024	19.82	20.65	132549174
5/19/2024	19.90	20.73	132579019
5/20/2024	19.71	20.79	132608961
5/21/2024	20.44	20.21	132638057
5/22/2024	19.92	20.62	132667753
5/23/2024	19.45	20.45	132697201
5/24/2024	18.61	20.65	132726937
5/25/2024	19.27	20.72	132756767
5/26/2024	19.65	20.95	132786930
5/27/2024	19.46	21.05	132817247
5/28/2024	19.35	20.96	132847427
5/29/2024	19.83	20.90	132877519
5/30/2024	19.78	21.19	132908033
5/31/2024	19.78	20.90	132938128
Average For The Month	19.52	21.13	
Total ⁽²⁾ :			943,199

Footnotes:

- (1) Influent and POTW discharge flow rates are daily averages. These may not be equal due to balancing in the treatment system and calibration of individual flowmeters. The influent groundwater flow rate is calculated by adding the instantaneous flow rate from each pumping well (i.e., 16 meters). The POTW discharge flow rate is recorded directly from the effluent meter.
- (2) Total is the cumulative gallons discharged to the POTW during the reporting period. This number is calculated by subtracting the total of the previous month's last day from the total of the current month's last day, see previous month's report for the number used. The total from the first day of the current month is not used in the calculation.
- (3) Totalizers were reset to 0 on August 23, 2012 during the system shutdown for maintenance.
- (4) A new effluent meter was installed in April, 2017 during the system shutdown for maintenance.

**TABLE 2c
JUNE 2024**

**Treatment System Flows
Wauleco, Inc.
Wausau, Wisconsin**

<u>Date</u>	<u>Influent Groundwater Flow Rate ⁽¹⁾⁽³⁾ (gpm)</u>	<u>POTW Discharge Flow Rate ⁽¹⁾⁽⁴⁾⁽⁵⁾ (gpm)</u>	<u>POTW Totalized Discharge ⁽³⁾ (gal)</u>
6/1/2024	19.75	20.62	132967823
6/2/2024	19.97	20.89	132997898
6/3/2024	19.74	20.84	133027910
6/4/2024	19.69	20.43	133057332
6/5/2024	19.66	20.73	133087186
6/6/2024	19.80	20.42	133116586
6/7/2024	19.62	20.56	133146187
6/8/2024	19.00	19.79	133174678
6/9/2024	18.22	19.82	133203217
6/10/2024	18.28	19.98	133231982
6/11/2024	19.91	20.81	133261953
6/12/2024	20.24	20.78	133291870
6/13/2024	20.35	20.64	133321593
6/14/2024	16.13	16.41	133345219
6/15/2024	21.23	21.80	133376608
6/16/2024	21.48	22.89	133409572
6/17/2024	21.50	22.40	133441826
6/18/2024	18.10	17.52	133467055
6/19/2024	20.69	21.67	133498253
6/20/2024	21.09	21.62	133529382
6/21/2024	21.57	21.89	133560902
6/22/2024	21.37	21.36	133591655
6/23/2024	21.47	21.38	133622438
6/24/2024	21.38	21.20	133652973
6/25/2024	21.31	20.48	133682465
6/26/2024	20.87	20.18	133711520
6/27/2024	20.45	19.62	133739772
6/28/2024	19.97	19.02	133767163
6/29/2024	19.93	18.94	133794435
6/30/2024	20.15	19.39	133822362
Average For The Month	20.10	20.47	
Total ⁽²⁾ :			884,234

Footnotes:

- (1) Influent and POTW discharge flow rates are daily averages. These may not be equal due to balancing in the treatment system and calibration of individual flowmeters. The influent groundwater flow rate is calculated by adding the instantaneous flow rate from each pumping well (i.e., 16 meters). The POTW discharge flow rate is recorded directly from the effluent meter.
- (2) Total is the cumulative gallons discharged to the POTW during the reporting period. This number is calculated by subtracting the total of the previous month's last day from the total of the current month's last day, see previous month's report for the number used. The total from the first day of the current month is not used in the calculation.
- (3) Totalizers were reset to 0 on August 23, 2012 during the system shutdown for maintenance.
- (4) A new effluent meter was installed in April, 2017 during the system shutdown for maintenance.
- (5) The reed switch was replaced in early December, 2021.

TABLE 3

**Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin**

Well	April 09, 2024 (ft msl)	May, 2024	June, 2024
PW01	1162.48	----	----
PW02	Abandoned	----	----
PW03	1162.31	----	----
PW3S	1161.85	----	----
PW04	1161.77	----	----
PW05	1161.79	----	----
PW06	1162.08	----	----
PW07	1161.91	----	----
PW08	1162.67	----	----
PW09I	----	----	----
PW09O	1161.87	----	----
PW10	1161.9	----	----
PW11	1160.77	----	----
PW12	1162.61	----	----
PW13	1161.79	----	----
PW14	1161.68	----	----
PW15	1161.7	----	----
PW16	1159.10	----	----
PW17	1156.5	----	----
PW18	1161.79	----	----
PW19	1160.39	----	----
PW20	1159.38	----	----
PW21	1161.86	----	----
PW22	1161.82	----	----
PW23	1161.74	----	----
PW24	1158.746	----	----
PW25	1160.81	----	----
PW26	1158.53	----	----
PW27	1156.18	----	----
PW28	1162.45	----	----
PW29	1162.52	----	----
P01	1161.75	----	----
OW01	1163.69	----	----
W01A	Abandoned	----	----
W01B	Abandoned	----	----
W02	1162.16	----	----
W03A	1161.42	----	----
W03B	1161.68	----	----
W04A	1162.17	----	----
W04B	1162.07	----	----
W05	1161.78	----	----
W06R	1162.69	----	----
W07	1162.50	----	----
W08	1170.42	----	----
W09	1162.03	----	----
W10A	1161.14	----	----
W10B	1161.14	----	----
W11	1161.02	----	----
W12	1160.67	----	----
W13	1161.72	----	----
W14	1160.84	----	----
W16	1161.87	----	----
W17	1161.72	----	----
W18	1161.12	----	----
W19	Abandoned	----	----

**Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin**

<u>Well</u>	<u>April 09, 2024 (ft msl)</u>	<u>May, 2024</u>	<u>June, 2024</u>
W21	1160.9	----	----
W22	1161.26	----	----
W23	1160.97	----	----
W24A	1160.94	----	----
W25	1162.88	----	----
W26/W26R	1161.19	----	----
W27	1161.55	----	----
W28	1161.09	----	----
W29/W29R	1161.03	----	----
W30	1161.74	----	----
W31	1160.94	----	----
W32	1160.95	----	----
W33	1161.92	----	----
W34	1161.83	----	----
W35	1161.89	----	----
W36	1162.25	----	----
W39	Abandoned	----	----
W40/W40R	1161.376	----	----
W41	1161.99	----	----
W42	1162.34	----	----
W44	1161.75	----	----
W45	1162.08	----	----
W46	1160.51	----	----
W47	1160.9	----	----
W48	1161.24	----	----
W49	1161.79	----	----
W66	1162.65	----	----
W67	1162.62	----	----
W68A	1162.58	----	----
W68B	1162.58	----	----
W69	1161.95	----	----
W70B	Abandoned	----	----
River	----	----	----
IW01	1161.76	----	----
IW01A	1161.76	----	----
FP01	1160.14	----	----
FP02	1160.43	----	----
FP03	1158.81	----	----
FP04	1160.532	----	----
3M Basin	Water in both Basins	----	----
DFOWM 5	----	----	----
DFOWM 9	Abandoned	----	----
DFOWM 10A	Abandoned	----	----
DFOWM 11	----	----	----
DFOWM 12	----	----	----
W71	1164.24	----	----
W72	1162.96	----	----
W73	1162.34	----	----
W74	1162.12	----	----

Notes:

1. ft msl = feet mean sea level
2. PW09O denotes the outer well and PW09I denotes the inner well
3. ---- = Well not measured
4. Groundwater elevations have been adjusted for product thickness.
5. Top of casing elevations were resurveyed for the on-site wells on December 4, 2009 . Use of the new data began in January 2010.

**Free Product Measurements
Wauleco, Inc.
Wausau, Wisconsin**

<u>Well</u>	<u>April 09, 2024 (ft)</u>	<u>May, 2024</u>	<u>June, 2024</u>
PW01	0.00	----	----
PW02	Abandoned	----	----
PW03	0.00	----	----
PW3S	0.00	----	----
PW04	0.00	----	----
PW05	0.00	----	----
PW06	0.00	----	----
PW07	0.00	----	----
PW08	0.00	----	----
PW09I	----	----	----
PW09O	0.00	----	----
PW10	0.00	----	----
PW11	0.00	----	----
PW12	0.00	----	----
PW13	0.00	----	----
PW14	0.00	----	----
PW15	0.00	----	----
PW16	0.00	----	----
PW17	0.00	----	----
PW18	0.00	----	----
PW19	0.00	----	----
PW20	0.00	----	----
PW21	0.00	----	----
PW22	0.00	----	----
PW23	0.00	----	----
PW24	0.02	----	----
PW25	0.00	----	----
PW26	0.16	----	----
PW27	0.00	----	----
PW28	0.00	----	----
PW29	0.00	----	----
P01	0.00	----	----
OW01	0.00	----	----
W01A	Abandoned	----	----
W01B	Abandoned	----	----
W02	0.00	----	----
W03A	0.00	----	----
W03B	0.00	----	----
W04A	0.00	----	----
W04B	0.00	----	----
W05	0.00	----	----
W06R	0.00	----	----
W07	0.00	----	----
W08	0.00	----	----
W09	0.00	----	----
W10A	0.00	----	----
W10B	0.00	----	----
W11	0.00	----	----
W12	0.00	----	----
W13	0.00	----	----
W14	0.00	----	----
W16	0.00	----	----
W17	0.00	----	----

Free Product Measurements
 Wauleco, Inc.
 Wausau, Wisconsin

Well	April 09, 2024 (ft)	May, 2024	June, 2024
W18	0.00	----	----
W19	Abandoned	----	----
W21	0.00	----	----
W22	0.00	----	----
W23	0.00	----	----
W24A	0.00	----	----
W25	0.00	----	----
W26/W26R	0.00	----	----
W27	0.00	----	----
W28	0.00	----	----
W29/W29R	0.00	----	----
W30	0.00	----	----
W31	0.00	----	----
W32	0.00	----	----
W33	0.00	----	----
W34	0.00	----	----
W35	0.07	----	----
W36	0.00	----	----
W39	Abandoned	----	----
W40/W40R	0.02	----	----
W41	0.00	----	----
W42	0.00	----	----
W44	0.00	----	----
W45	0.00	----	----
W46	0.00	----	----
W47	0.00	----	----
W48	0.00	----	----
W49	0.00	----	----
W66	0.00	----	----
W67	0.00	----	----
W68A	0.00	----	----
W68B	0.00	----	----
W69	0.00	----	----
W70B	Abandoned	----	----
River	----	----	----
IW01	0.00	----	----
IW01A	0.00	----	----
FP01	0.00	----	----
FP02	0.00	----	----
FP03	0.00	----	----
FP04	0.14	----	----
3M Basin	0.00	----	----
DFOWM 5	0.00	----	----
DFOWM 9	Abandoned	----	----
DFOWM 10A	Abandoned	----	----
DFOWM 11	0.00	----	----
DFOWM 12	0.00	----	----
W71	0.00	----	----
W72	0.00	----	----
W73	0.00	----	----
W74	0.00	----	----

Notes:

1. PW09O denotes the outer well and PW09I denotes the inner well
2. ---- = Well not measured

FIGURE 1
FBR Influent and Effluent PCP Concentrations
Wauleco, Inc.
Wausau, WI

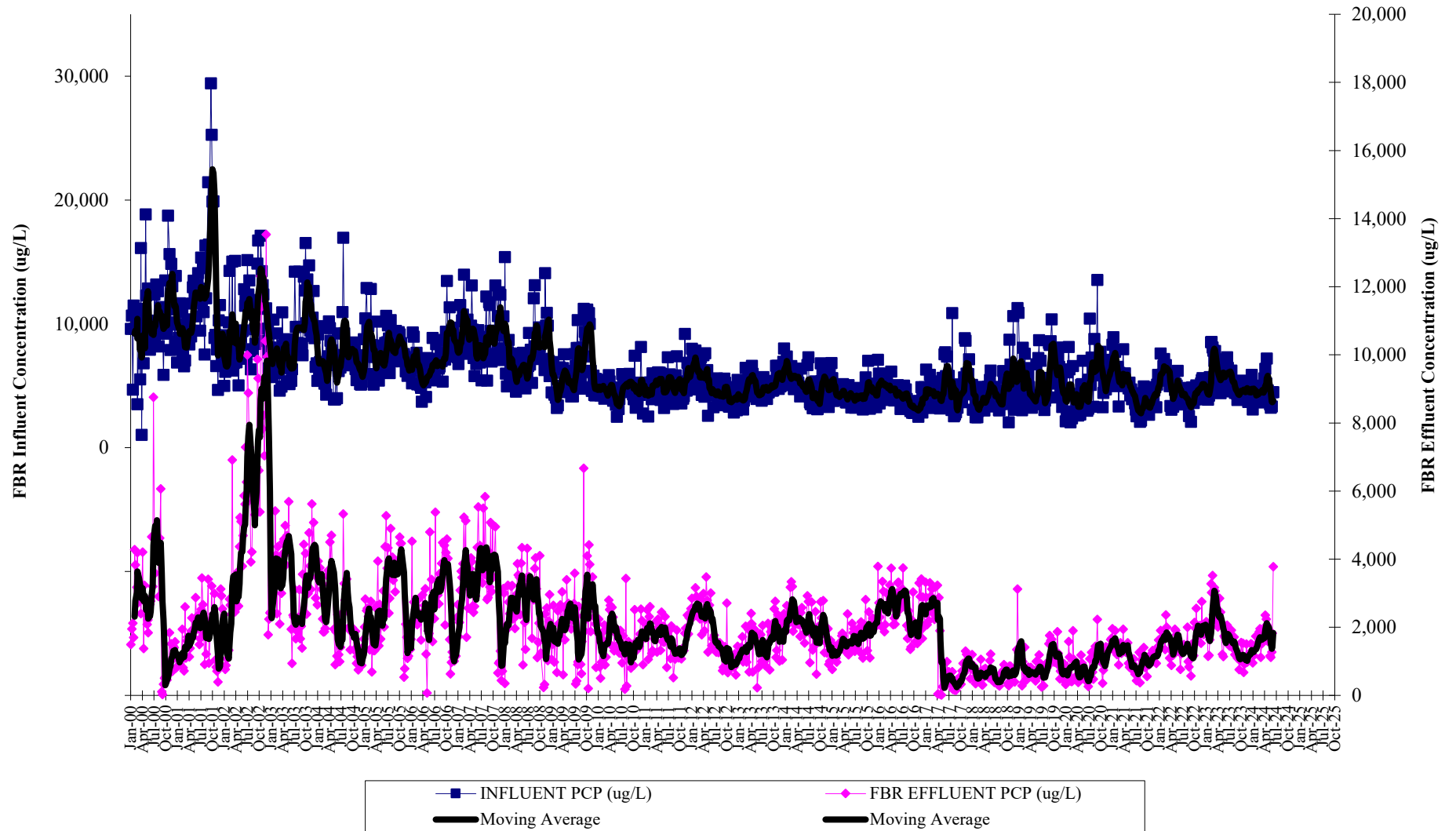
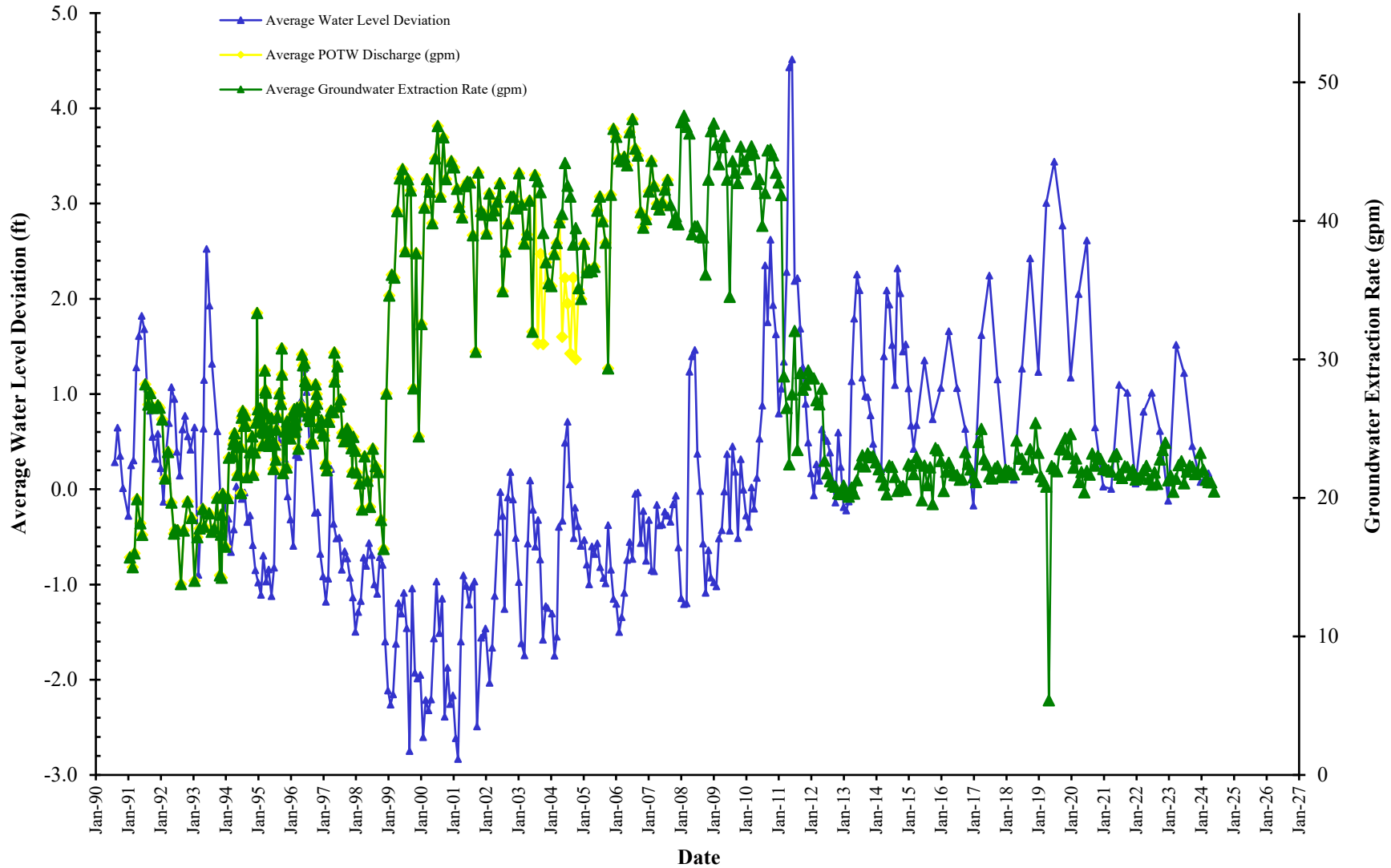


FIGURE 2

Average Groundwater Extraction Rates and Water Level Deviation Versus Time
Wauleco, Inc.
Wausau, WI



Note: The Average Groundwater Extraction Rate is a monthly average of the flow into the treatment system. The monthly average POTW discharge is less than the total extraction rate during the PPT pilot test due to the injection of treated water into IW01.