

## FLOW AND STRENGTH PROJECTIONS

MONTH: May 2024

	<u>PROJECTED</u>	<u>ACTUAL</u>	<u>DIFFERENCE</u>	<u>PROJECTED INCOME FOR MONTH</u>	<u>ACTUAL INCOME FOR MONTH</u>	<u>SURPLUS OR DEFICIT</u>
FLOW (GALLONS)	216,156,000	230,433,000	14,277,000	\$ 154,983.85	\$ 165,220.46	\$ 10,236.61
B.O.D. (#s)	501,853	435,009	-66,844	\$ 88,326.13	\$ 76,561.58	\$ (11,764.54)
S. SOLIDS (#s)	430,068	479,663	49,595	\$ 104,506.52	\$ 116,558.11	\$ 12,051.59
PHOSPHORUS (#s)	8,528	8,051	-477	\$ 56,429.78	\$ 53,273.47	\$ (3,156.31)
AMMONIA-N (#s)	59,094	47,855	-11,239	\$ 65,121.59	\$ 52,736.21	\$ (12,385.38)
CHLORIDES (#s)	1,096,840	1,013,423	-83,417	\$ 2,193.68	\$ 2,026.85	\$ (166.83)
			<b>TOTAL:</b>	\$ 471,561.55	\$ 466,376.68	\$ (5,184.87)

(THRU MAY 2024)

PROJECTED FOR 2024

	<u>END OF YEAR PROJECTED</u>	<u>YEAR TO DATE SURPLUS/ DEFICIT</u>	<u>YEAR TO DATE SURPLUS/ DEFICIT \$\$</u>
FLOW (GALLONS)	2,301,369,933	12,246,334	\$ 8,780.62
B.O.D. (#s)	5,484,285	-143,938	\$ (25,333.08)
S. SOLIDS (#s)	4,877,973	271,741	\$ 66,033.01
PHOSPHORUS (#s)	94,940	-1,550	\$ (10,253.57)
AMMONIA-N (#s)	666,440	-21,067	\$ (23,215.83)
CHLORIDES (#s)	11,252,829	304,270	\$ 608.54
		<b>TOTAL:</b>	\$ 16,619.69

# Example 1

## FLOW AND STRENGTH PROJECTIONS

MONTH: May 2024

	<u>PROJECTED</u>	<u>ACTUAL</u>	<u>DIFFERENCE</u>	<u>PROJECTED INCOME FOR MONTH</u>	<u>ACTUAL INCOME FOR MONTH</u>	<u>SURPLUS OR DEFICIT</u>
FLOW (GALLONS)	243,427,000	230,433,000	-12,994,000	\$ 174,537.16	\$ 165,220.46	\$ (9,316.70)
B.O.D. (#s)	480,855	435,009	-45,846	\$ 84,630.43	\$ 76,561.58	\$ (8,068.84)
S. SOLIDS (#s)	494,080	479,663	-14,417	\$ 120,061.35	\$ 116,558.11	\$ (3,503.24)
PHOSPHORUS (#s)	8,829	8,051	-778	\$ 58,419.24	\$ 53,273.47	\$ (5,145.78)
AMMONIA-N (#s)	62,466	47,855	-14,611	\$ 68,837.42	\$ 52,736.21	\$ (16,101.21)
CHLORIDES (#s)	1,208,333	1,013,423	-194,910	\$ 2,416.67	\$ 2,026.85	\$ (389.82)
	2023 Actual Data		<b>TOTAL:</b>	\$ 508,902.27	\$ 466,376.68	\$ (42,525.59)

(THRU MAY 2024)

PROJECTED FOR 2024

	<u>END OF YEAR PROJECTED</u>	<u>YEAR TO DATE SURPLUS/ DEFICIT</u>	<u>YEAR TO DATE SURPLUS/ DEFICIT \$\$</u>
FLOW (GALLONS)	2,301,369,933	-234,646,000	\$ (168,241.18)
B.O.D. (#s)	5,484,285	-321,578	\$ (56,597.78)
S. SOLIDS (#s)	4,877,973	48,449	\$ 11,773.14
PHOSPHORUS (#s)	94,940	-4,723	\$ (31,253.68)
AMMONIA-N (#s)	666,440	-28,295	\$ (31,180.98)
CHLORIDES (#s)	11,252,829	-370,741	\$ (741.48)
		<b>TOTAL:</b>	\$ (276,241.96)

## Example 2

### FLOW AND STRENGTH PROJECTIONS

MONTH: May 2024

	<u>PROJECTED</u>	<u>ACTUAL</u>	<u>DIFFERENCE</u>	<u>PROJECTED INCOME FOR MONTH</u>	<u>ACTUAL INCOME FOR MONTH</u>	<u>SURPLUS OR DEFICIT</u>
FLOW (GALLONS)	216,156,000	230,433,000	14,277,000	\$ 154,983.85	\$ 165,220.46	\$ 10,236.61
B.O.D. (#s)	480,855	435,009	-45,846	\$ 84,630.43	\$ 76,561.58	\$ (8,068.84)
S. SOLIDS (#s)	494,080	479,663	-14,417	\$ 120,061.35	\$ 116,558.11	\$ (3,503.24)
PHOSPHORUS (#s)	8,829	8,051	-778	\$ 58,419.24	\$ 53,273.47	\$ (5,145.78)
AMMONIA-N (#s)	62,466	47,855	-14,611	\$ 68,837.42	\$ 52,736.21	\$ (16,101.21)
CHLORIDES (#s)	1,208,333	1,013,423	-194,910	\$ 2,416.67	\$ 2,026.85	\$ (389.82)
	3 yr avg flow		<b>TOTAL:</b>	\$ 489,348.96	\$ 466,376.68	\$ (22,972.28)
	2023 Actual pounds					

(THRU MAY 2024)

PROJECTED FOR 2024

	<u>END OF YEAR PROJECTED</u>	<u>YEAR TO DATE SURPLUS/ DEFICIT</u>	<u>YEAR TO DATE SURPLUS/ DEFICIT \$\$</u>
FLOW (GALLONS)	2,301,369,933	12,246,334	\$ 8,780.62
B.O.D. (#s)	5,484,285	-321,578	\$ (56,597.78)
S. SOLIDS (#s)	4,877,973	48,449	\$ 11,773.14
PHOSPHORUS (#s)	94,940	-4,723	\$ (31,253.68)
AMMONIA-N (#s)	666,440	-28,295	\$ (31,180.98)
CHLORIDES (#s)	11,252,829	-370,741	\$ (741.48)
		<b>TOTAL:</b>	\$ (99,220.16)

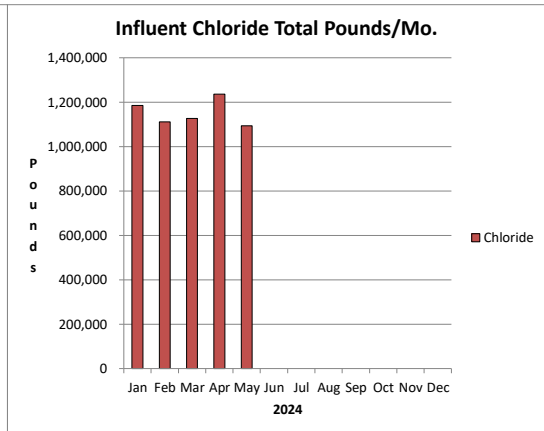
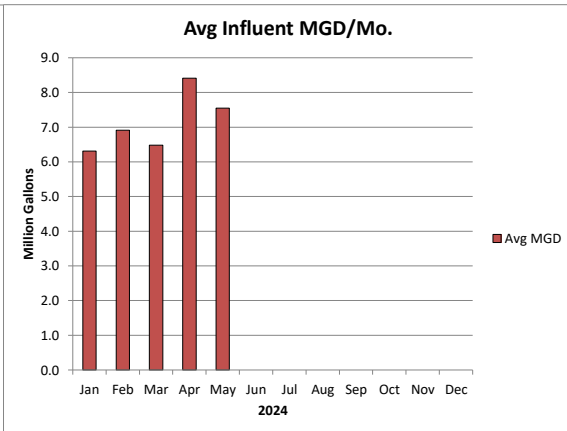
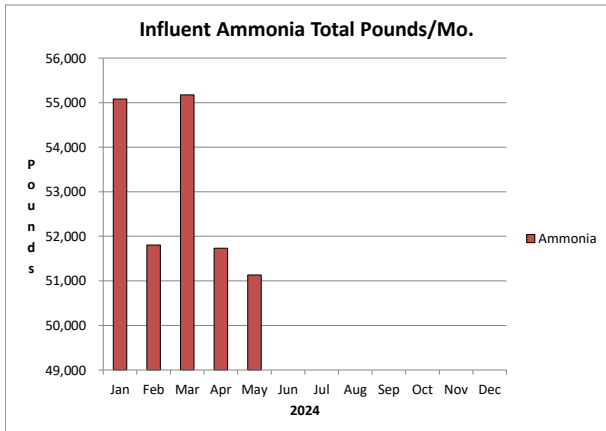
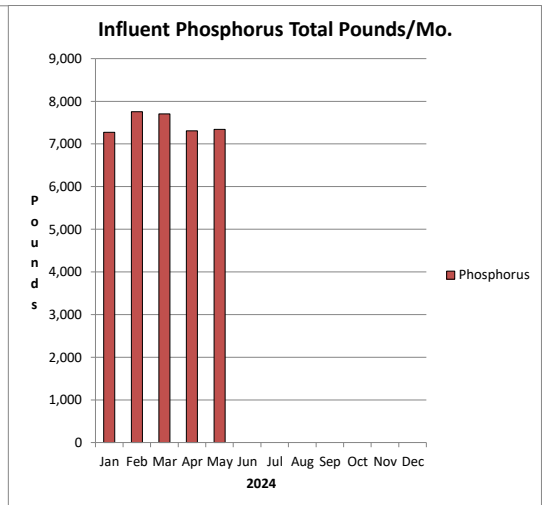
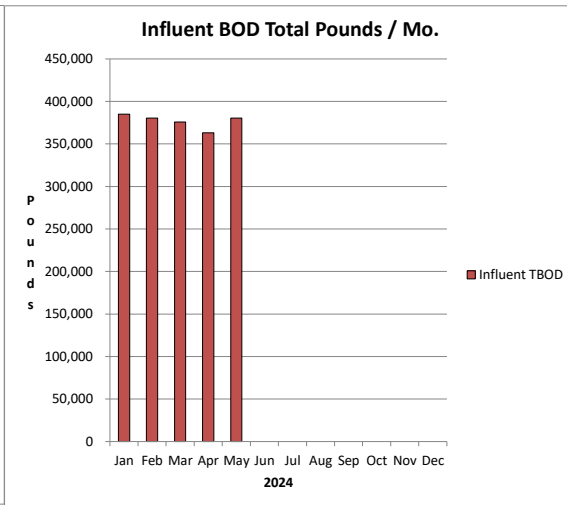
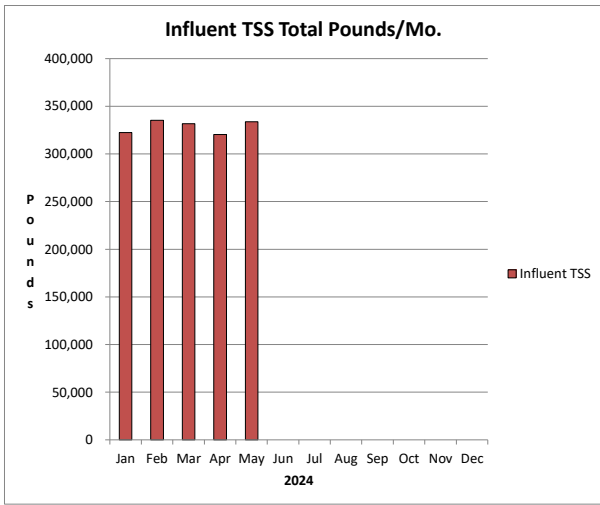
**RAW INFLUENT STRENGTH ( Heart of the Valley Metropolitan Sewerage Facility)**

**May 2024**

MONTH	FLOW		TSS			BOD			TOTAL PHOSPHORUS			AMMONIA			CHLORIDE		
	Million * Gallons	Avg MGD	Avg mg/L	Avg #/day	Total #/Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month
Jan	195.7	6.3	200	10,529	322,474	239	12,606	384,941	4.62	243	7,271	35.0	1841	55,081	735	38,714	1,185,582
Feb	200.5	6.9	203	11,712	335,199	231	13,306	380,481	4.81	277	7,753	31.5	1815	51,806	671	38,668	1,110,798
Mar	201.0	6.5	202	10,905	331,561	230	12,440	375,775	4.69	253	7,706	33.5	1811	55,173	683	36,936	1,126,901
Apr	252.4	8.4	164	11,479	320,482	185	12,958	363,130	3.68	258	7,309	26.0	1827	51,734	612	42,964	1,235,989
May	233.9	7.5	175	11,028	333,803	200	12,578	380,309	3.95	249	7,343	27.1	1708	51,132	598	37,655	1,093,982
Jun																	
Jul																	
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
<b>Average</b>	216.7	7.1	189	11,131	328,704	217	12,778	376,927	4.35	256	7,476	30.6	1,800	52,985	660	38,987	1,150,650
<b>Yearly Total</b>	1,083.4				1,643,519			1,884,634			37,382			264,927			5,753,252
*Includes Hauled Waste [Plant Design Capacity] =																	
		8.5		13,565			12,209			339			1,600				
(Hauled Waste Gallons): 196,060																	
		11.9		16,278			14,651			407			1,920				
		63%		68%			86%			61%			89%				
May Max Daily Flow		12.88															

**EFFLUENT QUALITY**

MONTH	FLOW		TSS			BOD			TOTAL PHOSPHORUS			AMMONIA			CHLORIDE																																
	Million Gallons	Avg MGD	Avg mg/L	Avg #/day	Total #/Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L																																
Jan	109.3	3.5	11.8	346	10,416	10.3	304	9,284	0.40	11.9	357	0.38	11.3	329	755																																
Feb	115.5	4.0	6.8	225	6,461	6.1	203	5,842	0.26	8.5	236	0.19	6.3	158	672																																
Mar	111.9	3.6	7.2	217	6,567	5.9	177	5,383	0.28	8.5	255	0.24	7.2	189	700																																
Apr	189.5	6.3	6.9	365	11,440	5.4	285	8,512	0.25	13.1	384	0.20	10.5	294	583																																
May	131.7	4.2	9.0	319	10,633	7.6	268	8,763	0.46	16.2	487	0.41	14.4	486	586																																
Jun																																															
Jul																																															
Aug																																															
Sep																																															
Oct																																															
Nov																																															
Dec																																															
<b>Average</b>	131.6	4.3	8.3	294	9,104	7.1	247.3	7,557	0.33	11.6	343.7	0.28	9.9	291.2	659																																
<b>Yearly Total</b>	657.9				45,518			37,784			1,719			1,456.2																																	
<table border="0" style="width:100%"> <tr> <td rowspan="2" style="vertical-align: top;">{PERMIT LIMITS (WDNR) -</td> <td>Monthly (Avg)</td><td>801#</td> <td>Monthly Avg</td><td>30 mg/L</td> <td>Monthly Avg</td><td>31.5#</td> <td rowspan="2" style="vertical-align: top;"> <table border="1" style="font-size: small;"> <tr><td>Monthly Avg Limit</td><td>10 mg/L</td></tr> <tr><td>Jan- Marc</td><td>10 mg/L</td></tr> <tr><td>April-May</td><td>11 mg/L</td></tr> <tr><td>June-Sept</td><td>4.4 mg/L</td></tr> <tr><td>Oct- Dec</td><td>18 mg/L</td></tr> </table> </td> </tr> <tr> <td>Weekly (Avg)</td><td>1345#</td> <td>Weekly Avg</td><td>45 mg/L</td> <td>6 mo Avg</td><td>10.5#</td> </tr> <tr> <td>Daily Max (mg/L)</td><td>30</td> <td>WLA May-Oct</td><td></td> <td>Daily Max mg/L</td><td>1.0</td> </tr> </table>																		{PERMIT LIMITS (WDNR) -	Monthly (Avg)	801#	Monthly Avg	30 mg/L	Monthly Avg	31.5#	<table border="1" style="font-size: small;"> <tr><td>Monthly Avg Limit</td><td>10 mg/L</td></tr> <tr><td>Jan- Marc</td><td>10 mg/L</td></tr> <tr><td>April-May</td><td>11 mg/L</td></tr> <tr><td>June-Sept</td><td>4.4 mg/L</td></tr> <tr><td>Oct- Dec</td><td>18 mg/L</td></tr> </table>	Monthly Avg Limit	10 mg/L	Jan- Marc	10 mg/L	April-May	11 mg/L	June-Sept	4.4 mg/L	Oct- Dec	18 mg/L	Weekly (Avg)	1345#	Weekly Avg	45 mg/L	6 mo Avg	10.5#	Daily Max (mg/L)	30	WLA May-Oct		Daily Max mg/L	1.0
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<table border="0" style="width:100%"> <tr> <td rowspan="5" style="vertical-align: top;">Effluent Gallons to Fox Energy (May)</td> <td>May</td><td>Avg #/s</td><td>6 mo. Avg #/s</td><td>15.89</td><td>May-Oct</td> </tr> <tr><td>WEEK 1</td><td>238</td><td></td><td></td><td></td></tr> <tr><td>WEEK 2</td><td>209</td><td></td><td></td><td></td></tr> <tr><td>WEEK 3</td><td>264</td><td></td><td></td><td></td></tr> <tr><td>WEEK 4</td><td>500</td><td></td><td></td><td></td></tr> </table>																		Effluent Gallons to Fox Energy (May)	May	Avg #/s	6 mo. Avg #/s	15.89	May-Oct	WEEK 1	238				WEEK 2	209				WEEK 3	264				WEEK 4	500							
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# RAIN GAUGES

## DAILY RAINFALL TOTALS

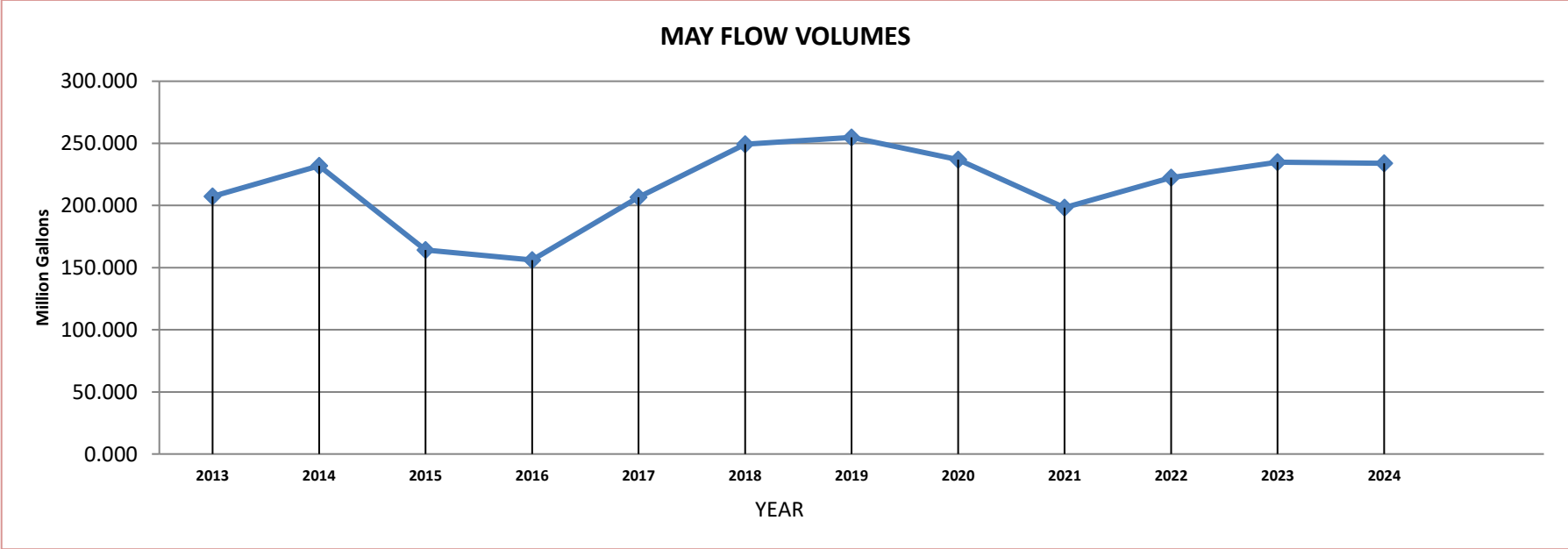
MONTH: MAY

YEAR: 2024

<u>DATE</u>	<u>PLANT INCHES</u>	<u>KAUKAUNA INCHES</u>	<u>LITTLE CHUTE INCHES</u>	<u>KIMBERLY INCHES</u>	<u>DARBOY INCHES</u>
1	0.04	0.05	0.07	0.07	0.08
2	0.14	0.16	0.18	0.15	0.20
3	0.02	0.01	0.02	0.02	0.02
4	0.00	0.01	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00
7	0.46	0.43	0.55	0.47	0.57
8	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00
10	0.14	0.15	0.15	0.16	0.20
11	0.00	0.00	0.00	0.00	0.00
12	0.01	0.00	0.01	0.00	0.02
13	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00
15	0.01	0.05	0.01	0.03	0.04
16	0.20	0.21	0.23	0.22	0.20
17	0.01	0.01	0.01	0.00	0.00
18	0.29	0.30	0.25	0.25	0.15
19	0.01	0.00	0.00	0.00	0.00
20	0.23	0.24	0.25	0.27	0.31
21	0.47	0.52	0.62	0.57	0.63
22	0.00	0.00	0.01	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00
24	0.18	0.19	0.20	0.19	0.10
25	0.00	0.00	0.01	0.01	0.04
26	0.90	0.98	1.18	0.73	0.95
27	0.22	0.31	0.32	0.54	0.28
28	0.58	0.43	0.20	0.25	0.20
29	0.01	0.01	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00
<b>TOTAL:</b>	3.92	4.06	4.27	3.93	3.99

# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

<u>Year</u>	<u>May Flow Million Gallons</u>	<u>Precipitation Inches</u>
2013	207.246	2.76
2014	231.951	3.03
2015	164.246	3.44
2016	156.148	2.52
2017	206.521	2.88
2018	249.379	3.71
2019	254.810	4.55
2020	236.946	4.82
2021	198.367	2.71
2022	222.500	2.40
2023	234.764	0.83
2024	233.924	4.03

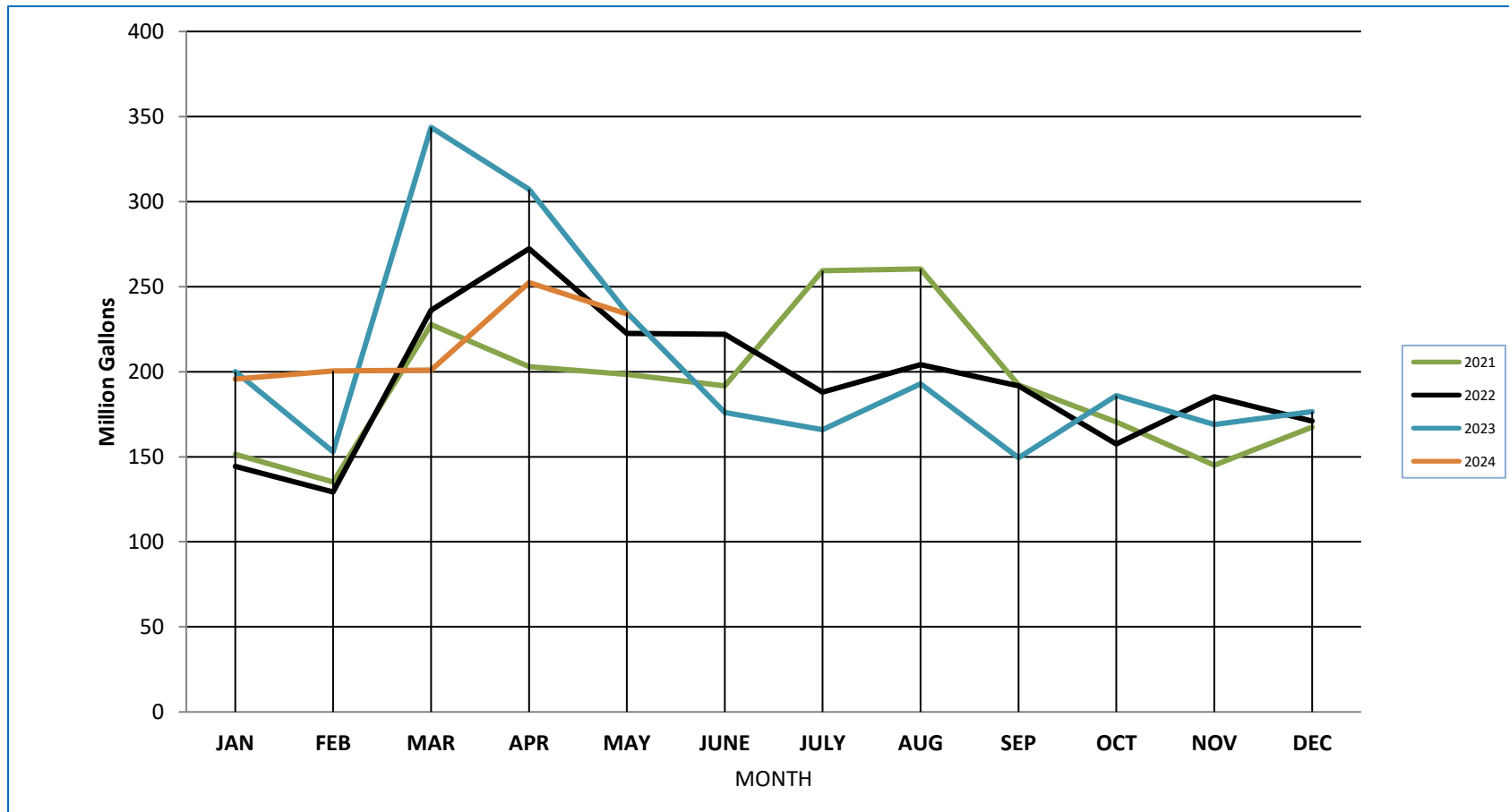


# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUNE</u>	<u>JULY</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>
<b>2021</b>	151.398	135.210	227.688	202.920	198.367	191.728	259.337	260.418	192.127	170.491	145.014	167.477
<b>2022</b>	144.333	129.312	236.184	272.294	222.500	222.064	187.964	204.237	191.682	157.552	185.294	171.044
<b>2023</b>	200.088	152.933	343.638	307.249	234.764	176.104	165.991	192.923	149.417	186.008	168.941	176.546
<b>2024</b>	195.683	200.450	200.988	252.403	233.924							

\*\*\* FLOW VOLUMES REPORTED IN MILLION GALLONS \*\*\*

## PLANT MONTHLY FLOW VOLUMES





# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

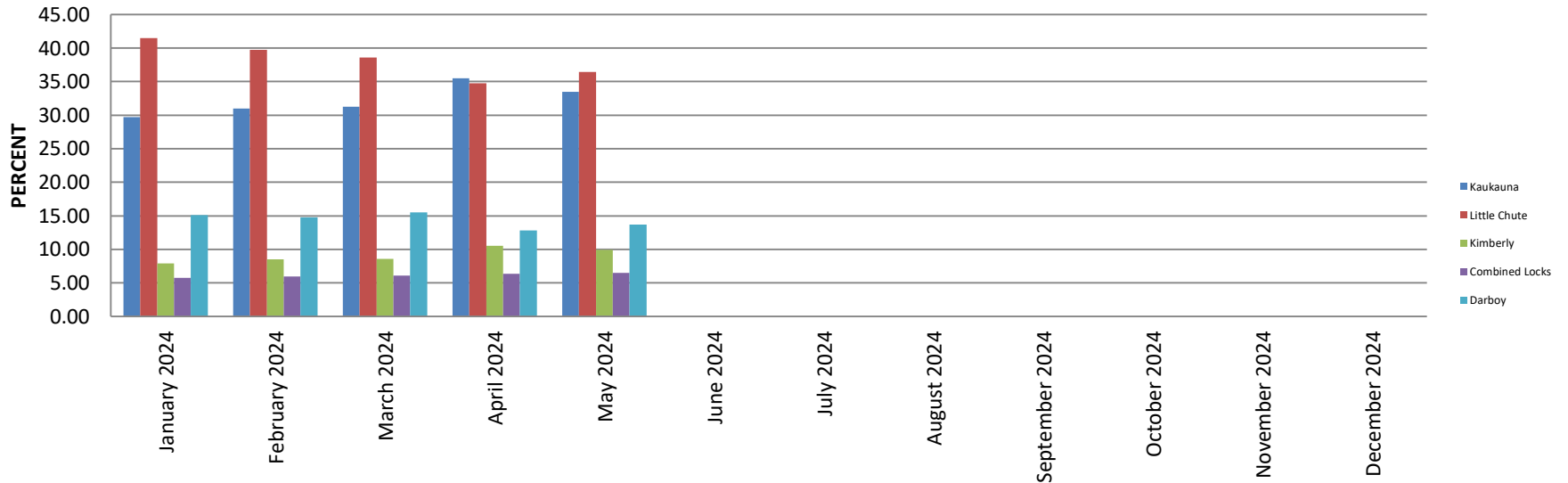
## % CONTRIBUTION BY COMMUNITY - FLOW GALLONS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>	<u>Rainfall - Inches</u>
January 2024	29.74	41.48	7.91	5.75	15.12	0.33
February 2024	30.97	39.76	8.51	5.97	14.79	0.00
March 2024	31.29	38.56	8.58	6.06	15.51	1.52
April 2024	35.52	34.77	10.52	6.35	12.84	1.96
May 2024	33.50	36.42	9.92	6.48	13.68	4.03
June 2024						
July 2024						
August 2024						
September 2024						
October 2024						
November 2024						
December 2024						

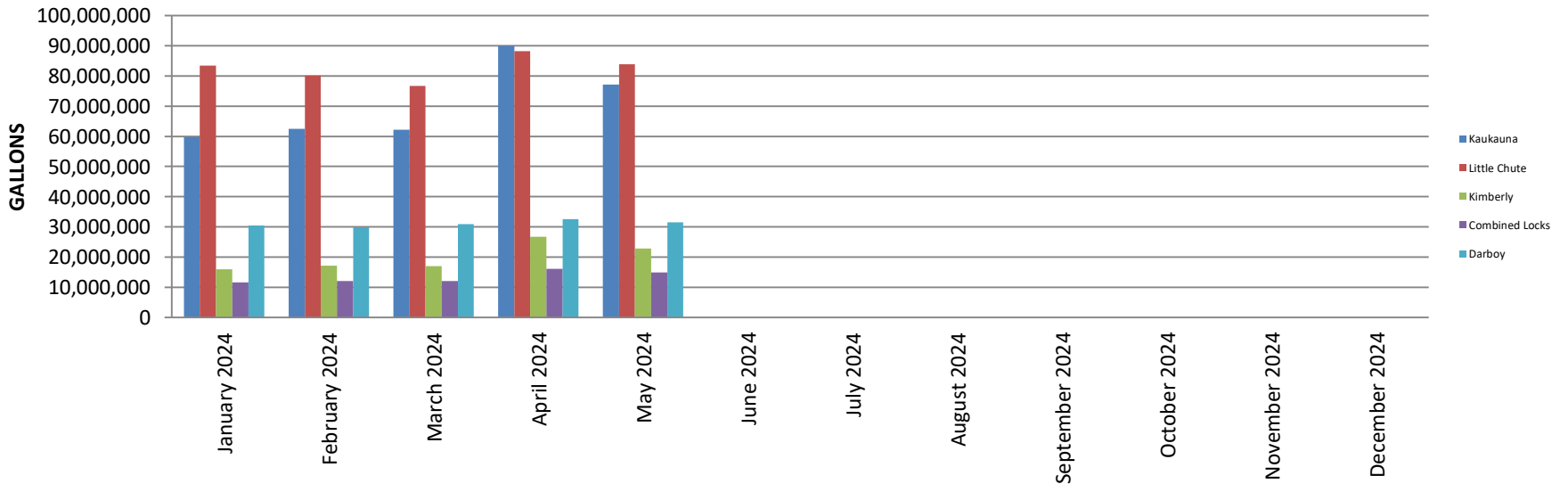
## GALLONS CONTRIBUTION BY COMMUNITY - FLOW GALLONS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2024	59,813,000	83,430,000	15,903,000	11,559,000	30,420,000
February 2024	62,480,000	80,209,000	17,170,000	12,044,000	29,837,000
March 2024	62,249,000	76,725,000	17,070,000	12,059,000	30,853,000
April 2024	90,073,000	88,164,000	26,675,000	16,108,000	32,548,000
May 2024	77,197,000	83,918,000	22,869,000	14,921,000	31,528,000
June 2024					
July 2024					
August 2024					
September 2024					
October 2024					
November 2024					
December 2024					

## % CONTRIBUTION BY COMMUNITY - FLOW GALLONS



## GALLONS CONTRIBUTION BY COMMUNITY - FLOW GALLONS



# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

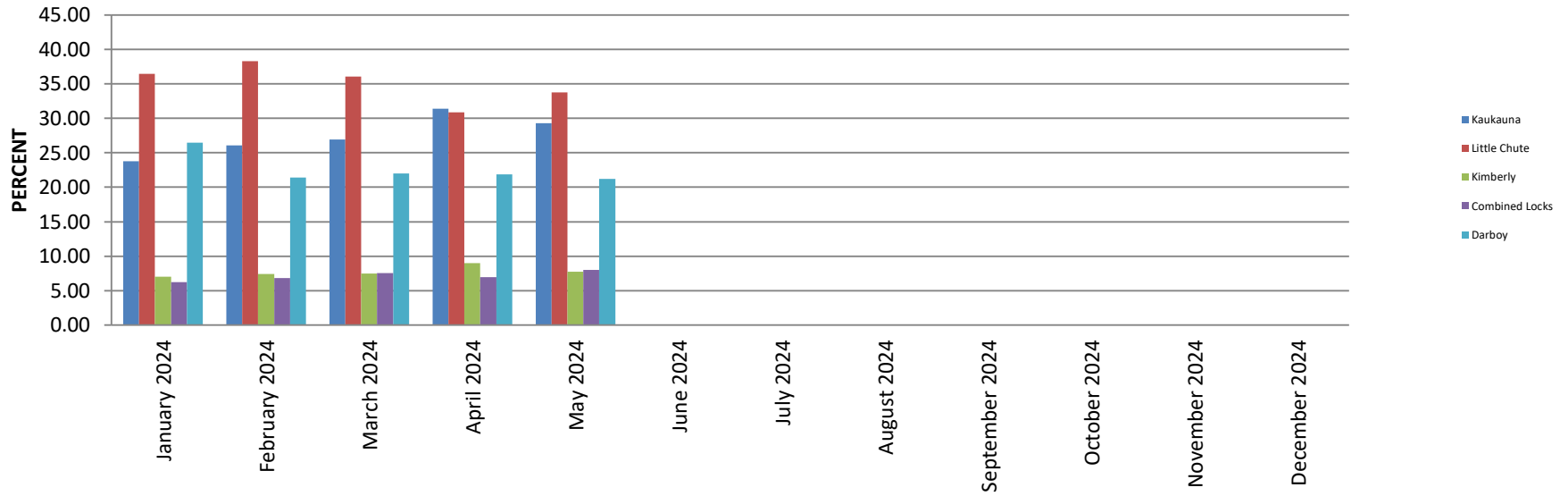
## % CONTRIBUTION BY COMMUNITY - B.O.D. POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2024	23.76	36.48	7.04	6.25	26.46
February 2024	26.06	38.29	7.39	6.83	21.43
March 2024	26.92	36.06	7.47	7.53	22.02
April 2024	31.37	30.86	8.98	6.94	21.84
May 2024	29.27	33.80	7.74	7.97	21.22
June 2024					
July 2024					
August 2024					
September 2024					
October 2024					
November 2024					
December 2024					

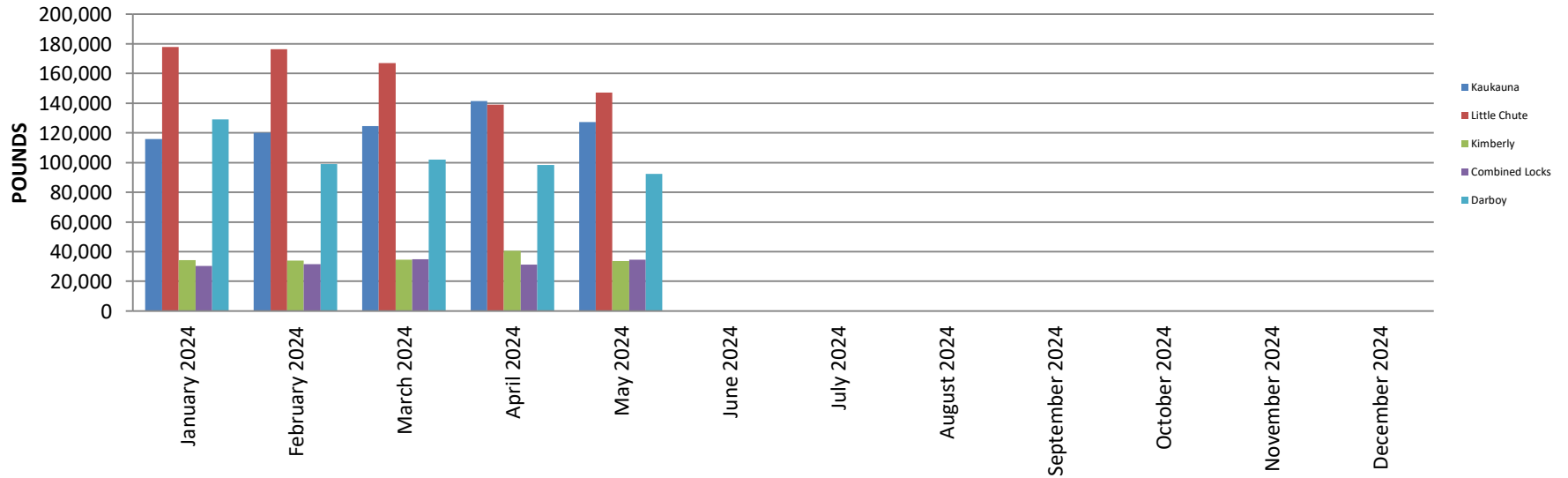
## POUNDS CONTRIBUTION BY COMMUNITY - B.O.D. POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2024	115,891	177,911	34,328	30,479	129,046
February 2024	119,969	176,269	33,996	31,432	98,956
March 2024	124,658	166,986	34,573	34,879	101,944
April 2024	141,415	139,090	40,495	31,302	98,456
May 2024	127,316	147,045	33,679	34,670	92,299
June 2024					
July 2024					
August 2024					
September 2024					
October 2024					
November 2024					
December 2024					

### % CONTRIBUTION BY COMMUNITY - B.O.D. POUNDS



### POUNDS CONTRIBUTION BY COMMUNITY - B.O.D. POUNDS



# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

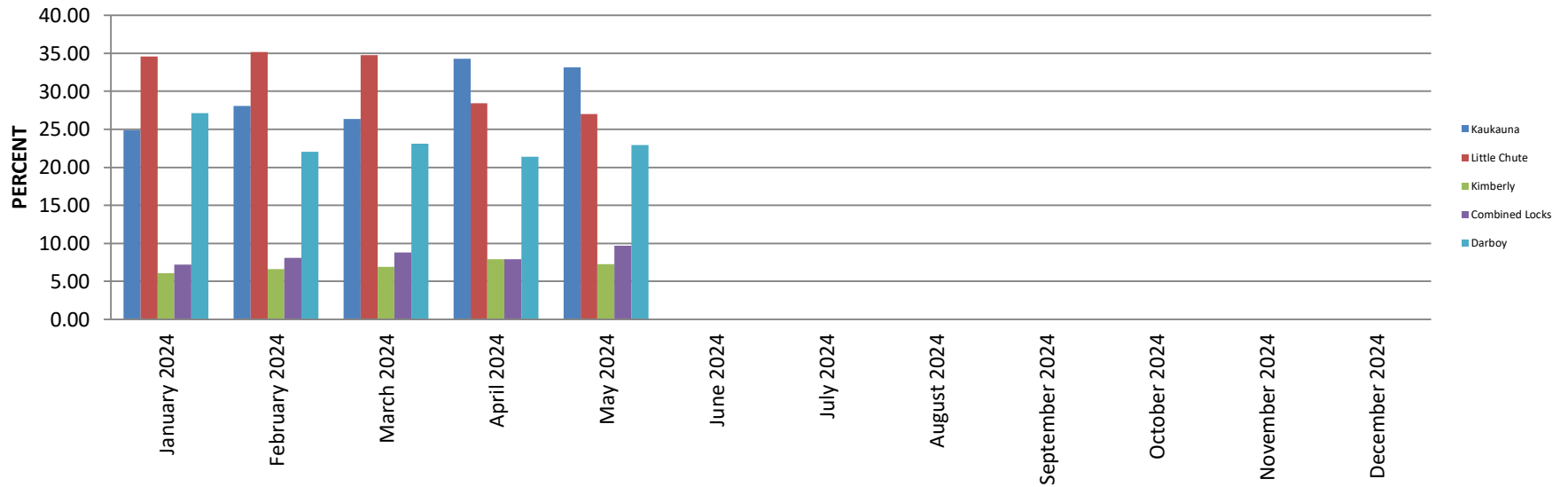
## % CONTRIBUTION BY COMMUNITY -TOTAL SUSPENDED SOLIDS POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2024	24.91	34.61	6.10	7.22	27.16
February 2024	28.10	35.17	6.61	8.09	22.04
March 2024	26.37	34.78	6.94	8.79	23.13
April 2024	34.30	28.44	7.92	7.91	21.42
May 2024	33.14	27.00	7.25	9.68	22.93
June 2024					
July 2024					
August 2024					
September 2024					
October 2024					
November 2024					
December 2024					

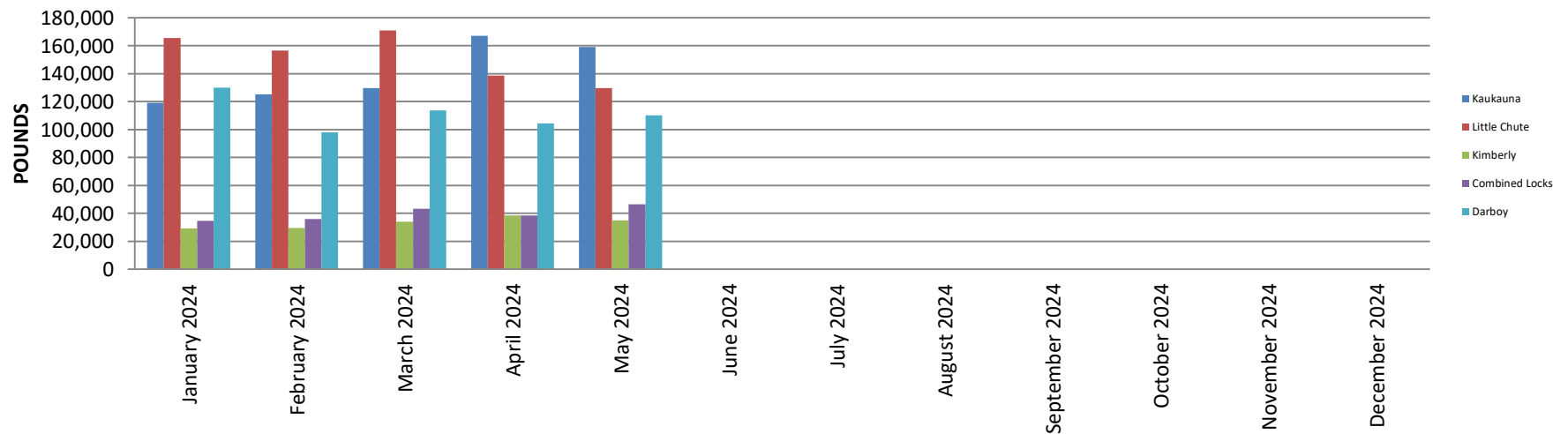
## POUNDS CONTRIBUTION BY COMMUNITY - TOTAL SUSPENDED SOLIDS POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2024	119,098	165,485	29,174	34,528	129,868
February 2024	125,113	156,619	29,429	36,012	98,126
March 2024	129,532	170,834	34,081	43,191	113,610
April 2024	167,079	138,521	38,591	38,539	104,328
May 2024	158,970	129,496	34,773	46,413	110,010
June 2024					
July 2024					
August 2024					
September 2024					
October 2024					
November 2024					
December 2024					

## % CONTRIBUTION BY COMMUNITY - TOTAL SUSPENDED SOLIDS POUNDS



## POUNDS CONTRIBUTION BY COMMUNITY - TOTAL SUSPENDED SOLIDS POUNDS



# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

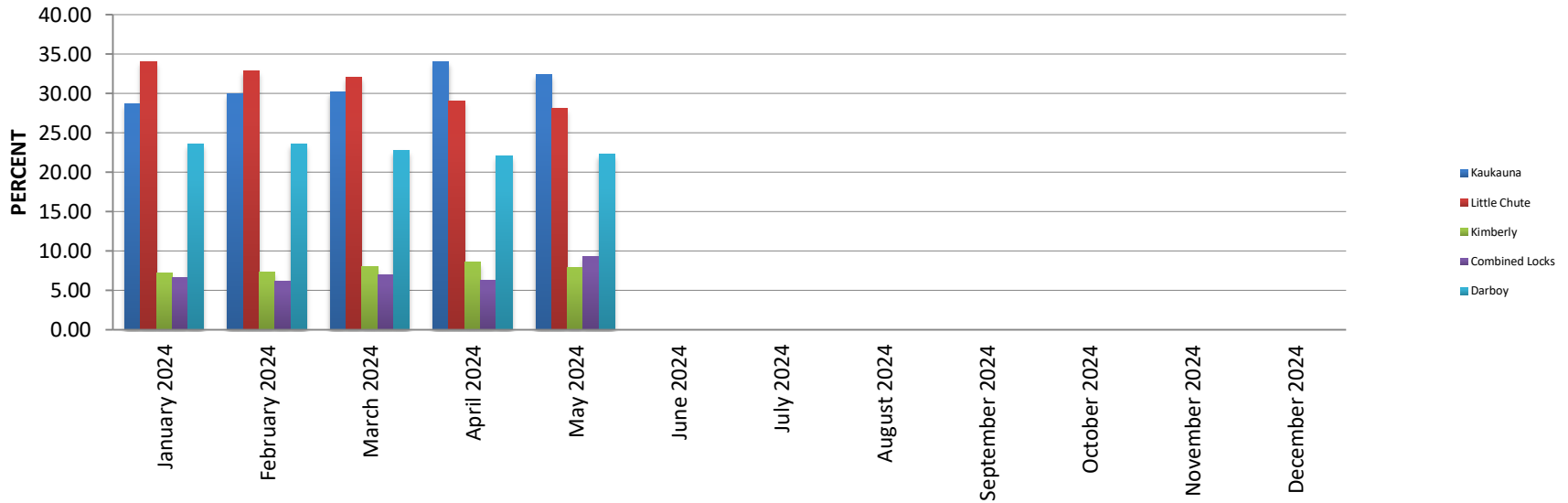
## % CONTRIBUTION BY COMMUNITY - PHOSPHORUS POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2024	28.68	33.99	7.16	6.63	23.53
February 2024	29.98	32.88	7.36	6.19	23.58
March 2024	30.19	32.08	7.96	7.01	22.75
April 2024	34.06	29.07	8.55	6.27	22.05
May 2024	32.45	28.08	7.92	9.31	22.24
June 2024					
July 2024					
August 2024					
September 2024					
October 2024					
November 2024					
December 2024					

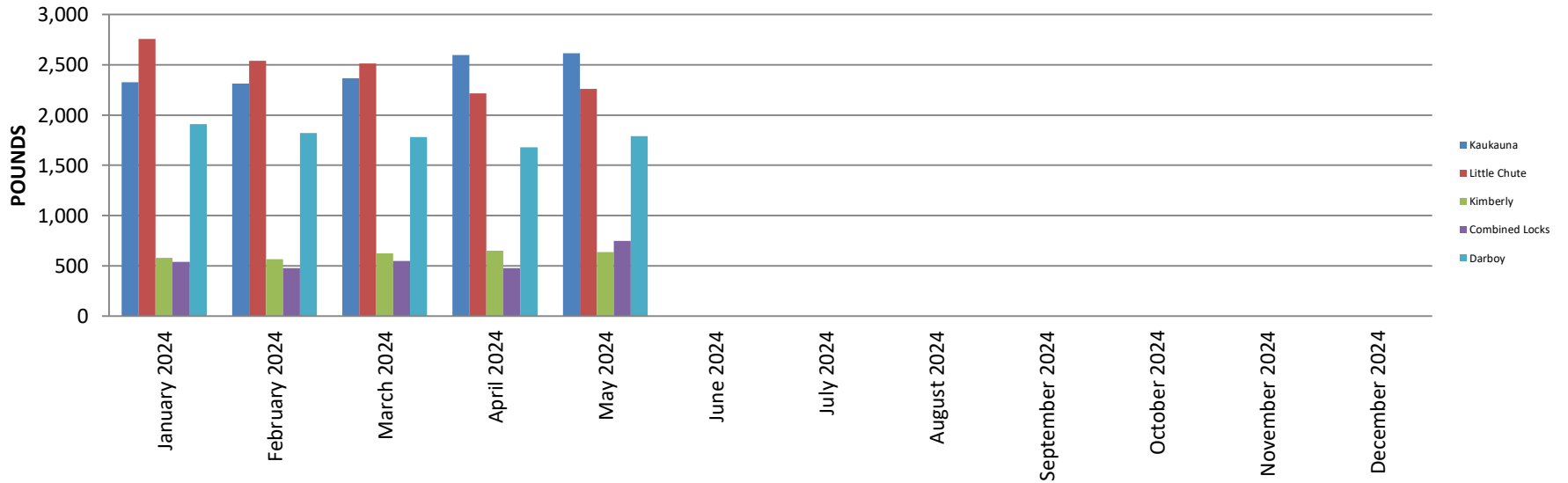
## POUNDS CONTRIBUTION BY COMMUNITY - PHOSPHORUS POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2024	2,326	2,757	581	538	1,909
February 2024	2,312	2,537	568	478	1,819
March 2024	2,365	2,513	624	549	1,782
April 2024	2,596	2,216	651	478	1,681
May 2024	2,613	2,260	638	749	1,791
June 2024					
July 2024					
August 2024					
September 2024					
October 2024					
November 2024					
December 2024					

### % CONTRIBUTION BY COMMUNITY - PHOSPHORUS POUNDS



### POUNDS CONTRIBUTION BY COMMUNITY - PHOSPHORUS POUNDS





# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

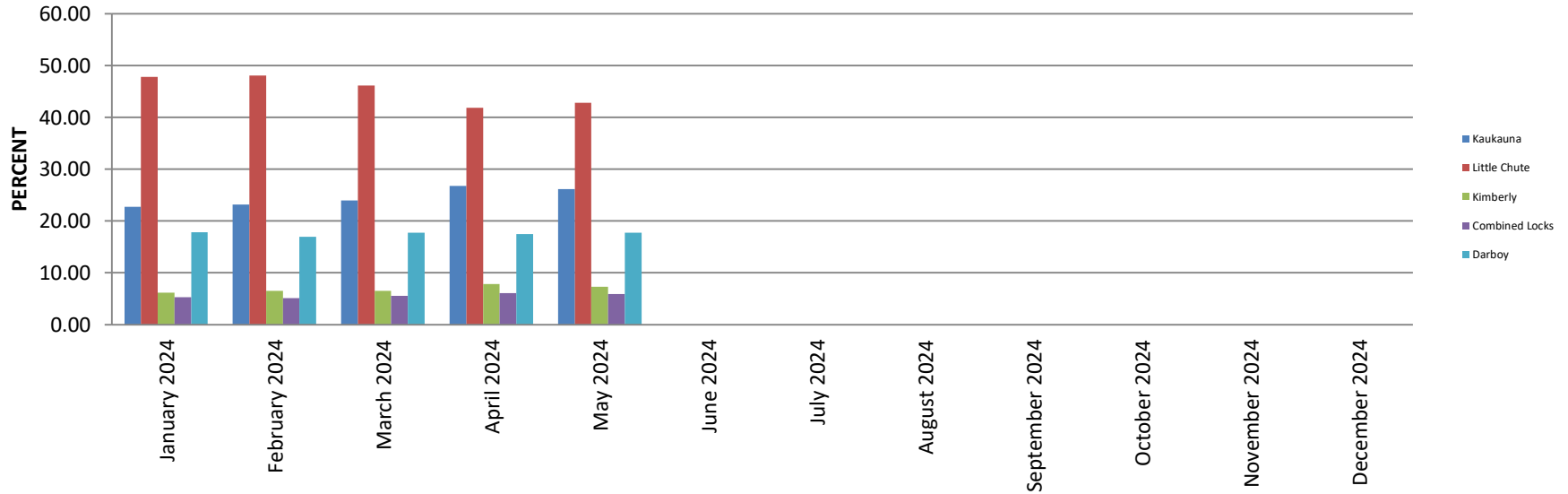
## % CONTRIBUTION BY COMMUNITY - AMMONIA POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2024	22.77	47.81	6.21	5.34	17.86
February 2024	23.23	48.08	6.54	5.16	16.99
March 2024	23.94	46.19	6.55	5.59	17.73
April 2024	26.80	41.82	7.82	6.07	17.48
May 2024	26.20	42.79	7.29	5.96	17.76
June 2024					
July 2024					
August 2024					
September 2024					
October 2024					
November 2024					
December 2024					

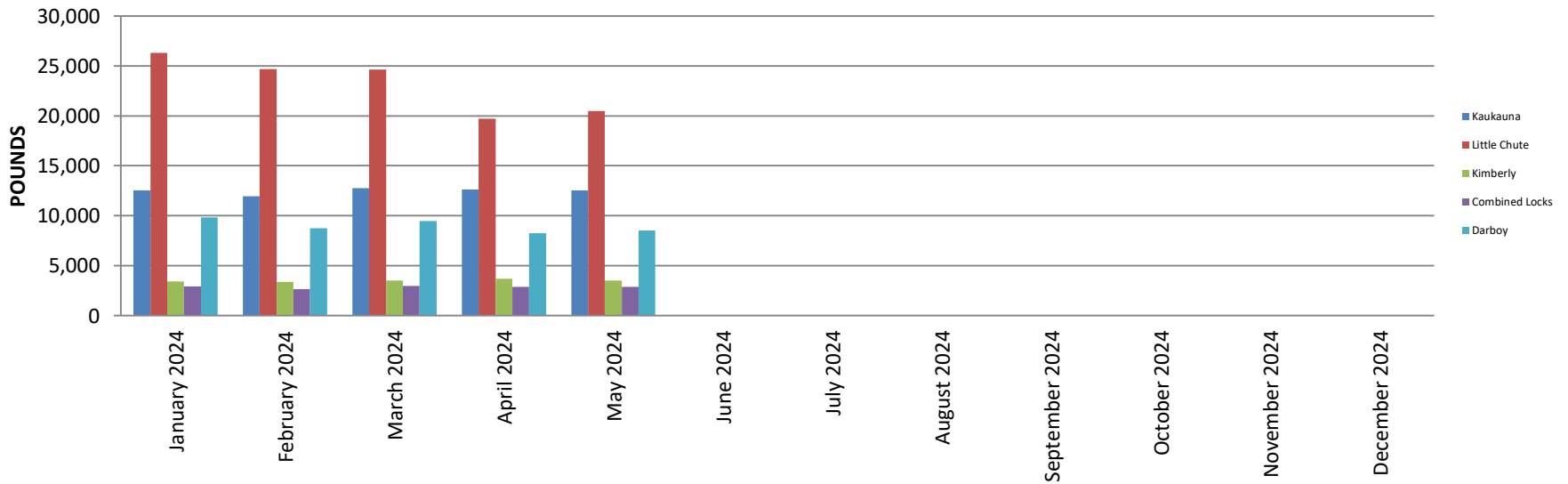
## POUNDS CONTRIBUTION BY COMMUNITY - AMMONIA POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2024	12,531	26,308	3,416	2,938	9,829
February 2024	11,934	24,700	3,359	2,651	8,729
March 2024	12,778	24,649	3,493	2,986	9,462
April 2024	12,649	19,739	3,688	2,867	8,251
May 2024	12,536	20,477	3,488	2,854	8,499
June 2024					
July 2024					
August 2024					
September 2024					
October 2024					
November 2024					
December 2024					

### % CONTRIBUTION BY COMMUNITY - AMMONIA POUNDS



### POUNDS CONTRIBUTION BY COMMUNITY - AMMONIA POUNDS



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## HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

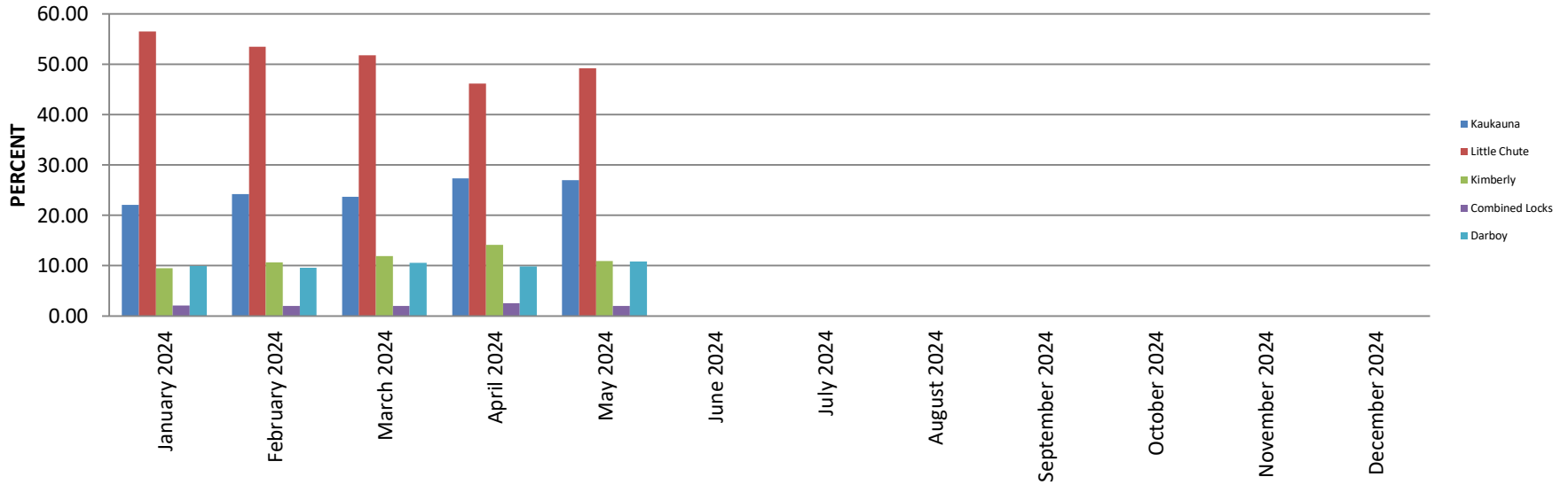
### % CONTRIBUTION BY COMMUNITY - CHLORIDE POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2024	22.06	56.47	9.49	2.08	9.91
February 2024	24.24	53.51	10.63	2.02	9.61
March 2024	23.70	51.77	11.92	2.00	10.61
April 2024	27.30	46.17	14.13	2.51	9.89
May 2024	26.98	49.21	10.94	2.02	10.84
June 2024					
July 2024					
August 2024					
September 2024					
October 2024					
November 2024					
December 2024					

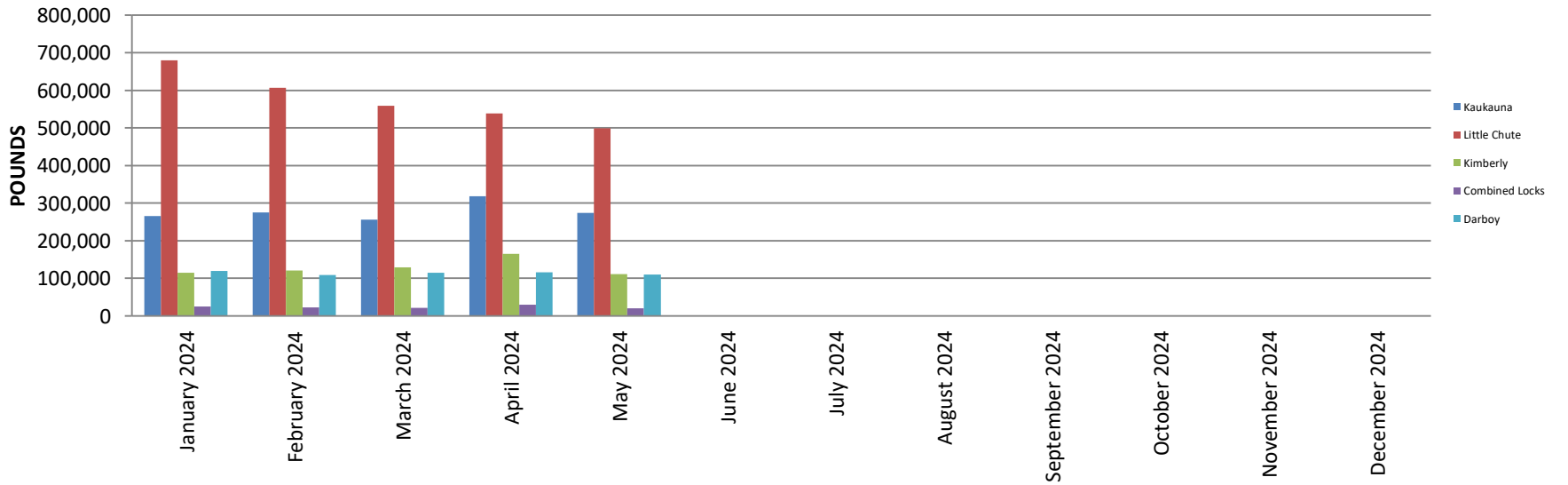
### POUNDS CONTRIBUTION BY COMMUNITY - CHLORIDE POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2024	265,727	680,128	114,277	25,047	119,326
February 2024	274,796	606,570	120,456	22,874	108,956
March 2024	255,842	558,721	128,644	21,635	114,489
April 2024	318,626	538,827	164,878	29,273	115,448
May 2024	273,445	498,736	110,857	20,480	109,905
June 2024					
July 2024					
August 2024					
September 2024					
October 2024					
November 2024					
December 2024					

### % CONTRIBUTION BY COMMUNITY - CHLORIDE POUNDS



### POUNDS CONTRIBUTION BY COMMUNITY - CHLORIDE POUNDS

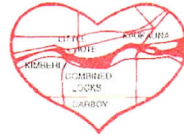


**DISTRICT DIRECTOR:**

Brian M. Helminger

**SERVING:**

Combined Locks  
 Kaukauna  
 Kimberly  
 Little Chute  
 Darboy S.D.

**COMMISSIONERS:**

David J. Casper, President  
 Bruce M. Siebers, Vice-President  
 Patrick E. Hennessey, Secretary  
 Kevin P. Coffey, Commissioner  
 John W. Sundelius, Commissioner

**Heart of the Valley****METROPOLITAN SEWERAGE DISTRICT**

801 THILMANY ROAD  
 KAUKAUNA, WISCONSIN 54130  
 (920) 766-5731 FAX (920) 766-5733  
 www.hvmsd.org

**Facility:** Wisconsin Public Service Corporation - Fox Energy Center  
 P.O. Box 5651  
 Bismarck, ND 58506

**Attn:** Account # N2310E**Month:** May**Year:** 2024

## Gallons of Final Effluent Purchased (Billing)

<u>Date</u>	<u>Gallons</u>	<u>Date</u>	<u>Gallons</u>
5/1/2024	3,281,000	5/21/2024	906,000
5/2/2024	3,544,000	5/22/2024	3,200,000
5/3/2024	3,621,000	5/23/2024	3,719,000
5/4/2024	3,682,000	5/24/2024	3,637,000
5/5/2024	3,622,000	5/25/2024	2,702,000
5/6/2024	3,326,000	5/26/2024	3,033,000
5/7/2024	3,095,000	5/27/2024	2,962,000
5/8/2024	3,358,000	5/28/2024	3,151,000
5/9/2024	3,528,000	5/29/2024	3,740,000
5/10/2024	3,212,000	5/30/2024	3,455,000
5/11/2024	2,607,000	5/31/2024	3,451,000
5/12/2024	3,429,000		
5/13/2024	3,551,000		
5/14/2024	3,544,000	<b>Total:</b>	<b>102,250,000</b>
5/15/2024	3,693,000		
5/16/2024	3,647,000		
5/17/2024	3,475,000		
5/18/2024	3,185,000		
5/19/2024	3,437,000		
5/20/2024	3,457,000		

**Facility:** Wisconsin Public Service Corporation - Fox Energy Center  
P.O. Box 5651  
Bismarck, ND 58506

**Attn:** Account # N2310E

## **MONTHLY BILLING**

**Month:** May

**Year:** 2024

**GALLONS PURCHASED:** 102,250,000

**BILLING RATE:** \$0.1832483 PER 1000 GALLONS

**TOTAL AMOUNT DUE: \$18,737.14**

**Heart of the Valley  
Metropolitan Sewerage District**

**Fox Energy Revenue  
From the Sale of Final Effluent**

**2024**

**Final Effluent Sent to Fox Energy Facility**

**Gallons:** 422,870,000

**Charge Per 1000 Gallons:** \$0.1832483 Per 1000 Gallons

**Sale of Final Effluent (Revenue Collected): \$77,490.21**