

AGENDA

KANKAKEE RIVER METROPOLITAN AGENCY MEETING

Thursday, February 23, 2022

9:00 AM in KRMA Board Room

1600 Brookmont Blvd., Kankakee, IL 60901

I. Roll Call

II. Public Comment

III. Approval of Board Minutes

A. January 26, 2023 – Regular Board Meeting

IV. Reports

A. Operations & Maintenance Report

1. Monthly Report (MOR)

B. Executive Director Report

1. Water, Gas & Electric Use/Cost

2. Hauled in Waste Summary

3. Operations Report

C. Financial Report

1. Reports

2. Hauled in Waste Report

3. Flows Graphs

D. Communications

1. IEPA CMOM Extension Request Letter

V. Old Business

A. CSL Update

B. Bradley Property Update

C. ICP Machine

D. Republic Contract

E. Security Updates

F. Strand/SKDO, P.C will present Update on the KRMA's Plant Capacity Evaluation/Expansion Project and Financial Positions it will have on each Municipal

VI. New Business

A. New Era Contract Extension for Sludge Disposal Service

B. Personnel Update

a. Approval of Collective Bargaining Agreement with Local #399 effective for December 2022 – November 2026

b. Administrative Annual Increases

C. Approval of ACH payments by Hauled in Waste Customers, and the approval to provide customers with KRMA's banking information

VII. Executive Session

A. Personnel, Collective Bargaining Agreement, & Probable or Imminent Litigation

VIII. Next Meeting

Thursday, March 23, 2023 (9:00 AM in KRMA Boardroom)

KANKAKEE RIVER METROPOLITAN AGENCY
MINUTES
January 26, 2023 – 9:00 A.M
1600 W Brookmont Blvd.
Kankakee, IL 60901

In attendance:

Board of Directors:

Mayor Christopher Curtis, City of Kankakee
Mayor Paul Schore, Village of Bourbonnais
Financial Director Robert, Romo, Village of Bradley
Alderman Danita Swanson, City of Kankakee
Alderman Larry Osenga, City of Kankakee
Steven Hunter, Representative, City of Kankakee

Administration:

Dave Tyson, KRMA Executive Director
Karen Benson, Koelling, Dykstra & Ohm, P.C

Attorney:

Neal Smith, Robbins Schwartz

KRMA Staff:

Art Strother, Superintendent
Melanie Gossett, Asst. Superintendent of Technical Services
Dustin Scheppler, Asst. Superintendent of O & M

Other:

Ryan McGinnis, City of Kankakee
Dan Small, Strand Associates
Scott Stearns, Strand Associates
Tara Latz, Alternate for Village of Bourbonnais
Terry Memenga, Village of Bourbonnais
Bruce Page, Village of Bradley

Chairman, Mayor Curtis called the meeting to order

- I. **Roll Call**
Roll Call was taken. All Board members were present except for Director Brian Stump, Director Danita Swanson, and Director Robert Romo.
- II. **Public Comment**
None
- III. **Approval of Board Minutes December 15, 2022 - Regular Board Meeting**
Motion to approve the December 15, 2022, Regular Board Meeting minutes was made by: Dir Osenga and seconded by Dir Hunter. All board members present voted in favor of and Dir Brian Stump and Dir Robert Romo absent. Motion Carried.

Director Swanson joined the meeting.

IV. Reports

A. Operations & Maintenance Report

1. Monthly Report

Art asked the board members to review Attachment A of the MOR, stressing emphasis on the loadings of TSS, BOD, and NH3 gauges, stating the plant is being overloaded. Art also references the Highlights of the MOR, stating the Government is preparing to set new limits on PFAS (Per and polyfluoroalkyl substances), a class of chemicals commonly found in many consumer products and is difficult to remove with conventional treatment technologies from water. Therefore, we will be relying heavily on Strand Engineers, regarding what technologies we will need to treat PFAS. The Government will be investing billions across the country for upgrading U.S. infrastructure. The U.S infrastructure was graded at C-. There were questions and discussion as to who to contact, how the money will be issued, and if KRMA will be eligible for any. Dan with Strand Associates emphasized that rules have changed regarding the guidelines to qualify for certain loans. Dan also stated that there are other funding resources available other than the State.

Director Romo joined the meeting

Exec Dir Tyson informed the board that we applied for IEPA grant.

B. Executive Director Report

1. Water, Gas & Electric Use/Cost

Exec. Dir. Dave Tyson presented the yearly utility usage. Exec Dir Tyson stated the utilities are steady

2. Hauled In Waste Summary

Exec. Dir. Tyson stated hauled in waste is down compared to past months. Newton County hauled in waste is back down.

2. Operations Report

Exec Dir Dave Tyson stated CMOM has to be put together by February 28, 2023, and resubmitted to IEPA. Exec Dir Tyson stated he has heard nothing from Aroma Park and Chebanse. Exec Dir Tyson informed the board that Johnson Control is on property working on some HVAC work.

C. Financial Report

1. Reports

Karen Benson presented the monthly financial reports. She referenced the statement of net position, stating net income is strong due to the hauled in waste revenue coming in. Statement of revenue/expense is over budget for the month due to double billing and generator repair, however, within budget for the YTD, and change in net position is below budget.

2. Hauled In Waste Report

Karen stated that hauled in waste is still over our budgeted amount.

3. Flows Graphs

Flow Graphs for your review.

D. Communications

None

V. Old Business

A. CSL Update

Exec Dir Tyson informed the board that CSL is up and running. CSL flows are up, and we have seen a reduction in BOD and NH3.

B. Bradley Property

Dir Romo informed the board that Phase 1 of the information gathering is complete and they should be starting on Phase 2. Exec Dir Tyson stated that Kimley-Horn has been in communication with KRMA as well. Vice Chairman Schore asked is there an estimation on completion? Dir Romo replied there is a timeline to complete Phase 2 and 3. There were questions and discussion regarding the plans of the Bradley Property and if the discussion of the land and other things will be separate or looped together?

C. ICP Machine

Ryan stated the ICP Machine has been up and running for approximately two months and they're seeing good results, however, it is premature to make any determination off a couple months of data.

- D. **Republic Contract**
Exec Dir Tyson stated Republic Service is looking for a ten-year contract with KRMA. There were more questions, concerns, and discussion regarding the Republic Contract and the effects it will have on KRMA's Budget.
- E. **Security Updates**
Chairman Curtis stated cameras did come in and the City of Kankakee will be responsible for install.
- F. **Economic Alliance Donation**
It was decided that each municipality will donate individually.

VI. **New Business**

- A. **Strand presenting KRMA's Plant Capacity Evaluation/Expansion Project Update**
Dan Small presented his PowerPoint Presentation on KRMA's Plant Capacity Evaluation/Expansion Project with and without Newton County and with and without Bradley Property. There were questions, concerns, and discussion regarding the authorization of not pretreating, the lifespan of the project, how new technology would affect this project, and will this project coincide with the new regulation that may occur over the years with IEPA. There was confirmation given. The city and villages anticipated and projected growth within their communities will be only utilizing 60-70% of the capacity with this expansion. Dir Romo requested for some financial forecasting. Karen replied, yes, a financial forecasting can be done. She will also add in a timeline with the Debt Service loan and IEPA loan payments as well. Chairman Curtis asked, when is it a good time to start finding and applying for grants and will we have a financial planning cost about the expansion at that time to submit? Dan replied, Spring 2023. There was discussion concerning hiring a lobbyist to assist with finding grants to help fund this expansion. Chairman Curtis asked Dir Romo for an official request of changes the Village of Bradley would like to have happen. Art stated the purpose for the decision to charge by flows is for the constituents. He stated, "If you're willing to put that burden on the public, that's your choice. I don't feel that's the right way to go." Chairman Curtis gave dates of availability to meet with Village of Bradley regarding the issues of internal control decisions. Vice Chairman Schore gave a synopsis on the history of the beginning to the sewer plant.
- B. **Request for Proposal for the Audit FYE May 1, 2022, to April 30, 2023**
Karen informed the board members stating that our current auditors are raising the rates significantly, therefore, she will be sending out a Request for Proposal (RFP's). Vice Chairman Schore requested he would like to have a local firm, if it's not conflicting with that local auditor being an auditor for the four municipalities.
- C. **Legal Service Rate Increase for Robbins Schwartz (Attorney Neal Smith)**
Chairman Curtis read the formal letter requesting an increase in legal service. There were questions and discussions regarding the line item of fees and if there was a local office? Motion to accept Robbins Schwartz change from \$200 to \$215 per hour was made by; Dir Hunter and seconded by Dir Romo. All board members present voted in favor of and Dir Brian Stump absent. Motion Carried.
- D. **Rate Increase for Hauled in Waste**
Motion to approve Rate Increase for Hauled in Waste by 5% was made by; Dir Hunter and seconded by Dir Osenga. All board members present voted in favor of and Dir Brian Stump absent. Motion Carried.

VII. **Executive Session**

- A. **Personnel, Collective Bargaining Agreement, & Probable or Imminent Litigation**
Motion to go into Executive Session to discuss ILCS 122(c)(2) regarding Union Contract was made by Dir Hunter and seconded by Dir Swanson. Motion carried.

Roll call was taken and all board members were present, except Dir Brian Stump absent.

The Board went into Executive Session to discuss Collective Bargaining Negotiation.

Motion to exit Executive Session was made by Dir. Hunter and seconded by Dir Osenga. Motion carried.

Roll call was taken and all board members present except Dir Brian Stump absent.

Return to Open Session.

Roll call was taken and all board members present except Dir Brian Stump absent.

With the Board back in open session there was no action taken.

Agenda meeting changed for Wednesday, February 8, 2023, at 8am.

VIII. **Next Meeting**

Next Regular Board Meeting- **Thursday, February 23, 2023 (9:00 A.M. at KRMA Board Room)**

Motion to Adjourn was made by Dir Osenga and seconded by Dir Swanson. All board members present voted in favor of Dir Brian Stump absent. Motion Carried.



Kankakee River Metropolitan Agency

Providing Wastewater Treatment to the Kankakee River Valley



Monthly Operations Report

January 2023

KRMA'S JANUARY HIGHLIGHTS:

The KRMA management staff and Executive Director continue to work with EPA regional personnel to sort out issues as they pertain to the CMOM program. The issues are in regard to the responsibilities of KRMA and the responsibilities of the satellite communities.

EPA released final effluent guidelines plan 15 which announced study of PFAS in Public owned treatment works (POTW) influent. The final plan announces new rulemaking for PFAS discharges for industrial and landfill category.

The month of January, the agency had no violation of daily permit which was reported to IEPA. There were no other violations for the Illinois Environmental Protection Agency NPDES (National Pollutant Discharge Elimination System) permits.

1.0 WASTEWATER TREATMENT FACILITY OPERATION

Attachment A Details the monthly operational information for the facility.

2.0 INFLUENT FLOW

Table 2.1 Summarizes total flow and average daily flow to the facility from each municipality.

Attachment B for details of daily flow rates.

Table 2.1
Plant Flows

Municipality	Plant Influent	Kankakee	Bourbonnais	Bradley	Aroma Park
Total Flow (MGD)	390.26	250.05	96.867	42.295	1.043
Daily Average Flow (MGD)	12.59	8.07	3.125	1.364	0.034

3.0 EFFLUENT QUALITY

Table 3.1 Summarizes the effluent quality data.

Table 3.1
Effluent Quality

	IEPA Limits	Effluent Average
Biochemical Oxygen Demand (BOD) – Monthly Average	20 mg/l	4 mg/l
Total Suspended Solids (TSS) - Monthly Average	25 mg/l	15 mg/l
PH	6-9 SU	7.06 SU
Chlorine Residual	0.05 mg/l	N/A
Fecal Coliform	400/100 ml	N/A

ODOR ISSUES:

- There were no odor complaints registered at the KRMA facility in January.
- There were no odor complaints registered at the East Gate site in January.

4.0 PERSONNEL

The Agency would like to Congratulate Richard (RJ) Tyson, O&M Specialist, for 1 year as a KRMA employee. Thank you all for being such a valuable and loyal member of our team. Your knowledge, hard work and dedication is greatly appreciated.

The Agency would like to say “HAPPY BIRTHDAY” to all the employees’ born in January.

Employees continue to follow the COVID-19 Warning signs and Safety Tips. One of the best ways to help keep workers healthy is to stay home **except** for necessary outings, and when you do go out for the necessities, there are steps you can take to minimize the risk of spreading illness.

5.0 MAINTENANCE AND REPAIR

Number of Work Orders Closed for the Month:	1116
Hours of Scheduled Work Orders Performed:	749.96

6.0 SLUDGE HANDLING

Start Date: 01/01/2023
End Date: 01/31/2023

Gallons of sludge produced and sent to thickening:	3,058,416.00
Gallons of sludge put into storage after thickening:	880,200.00
Sludge removed from the plant for land application:	0.00
Sludge remaining in storage as of January 31 st :	2,425,000.00

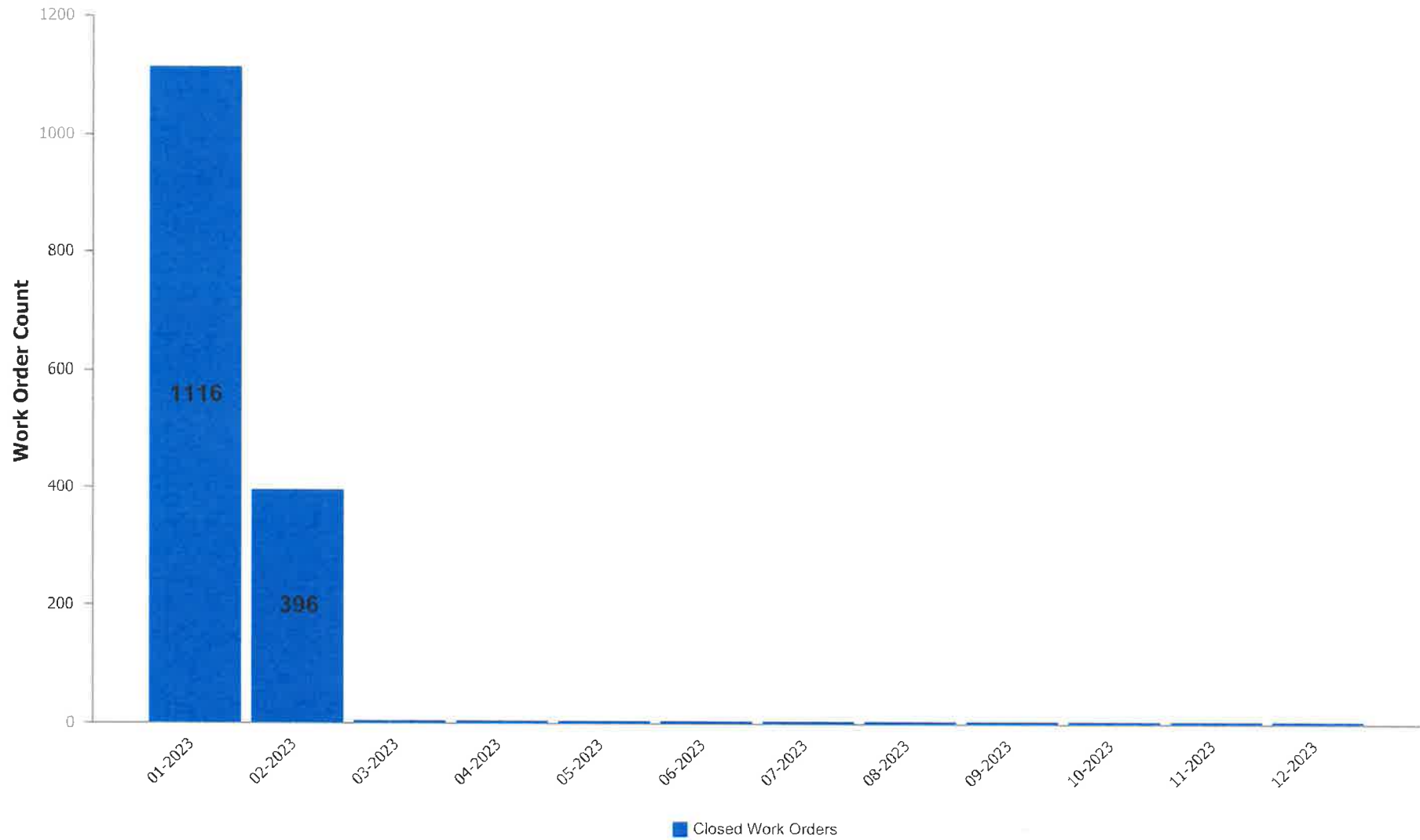
7.0 WATER USAGE

JANUARY 2023 (29 DAYS): 37,618 CU FT= 281,400 GALS. = \$2,333.52

NUMBER OF DAYS IN THE BILLING CYCLE: 29

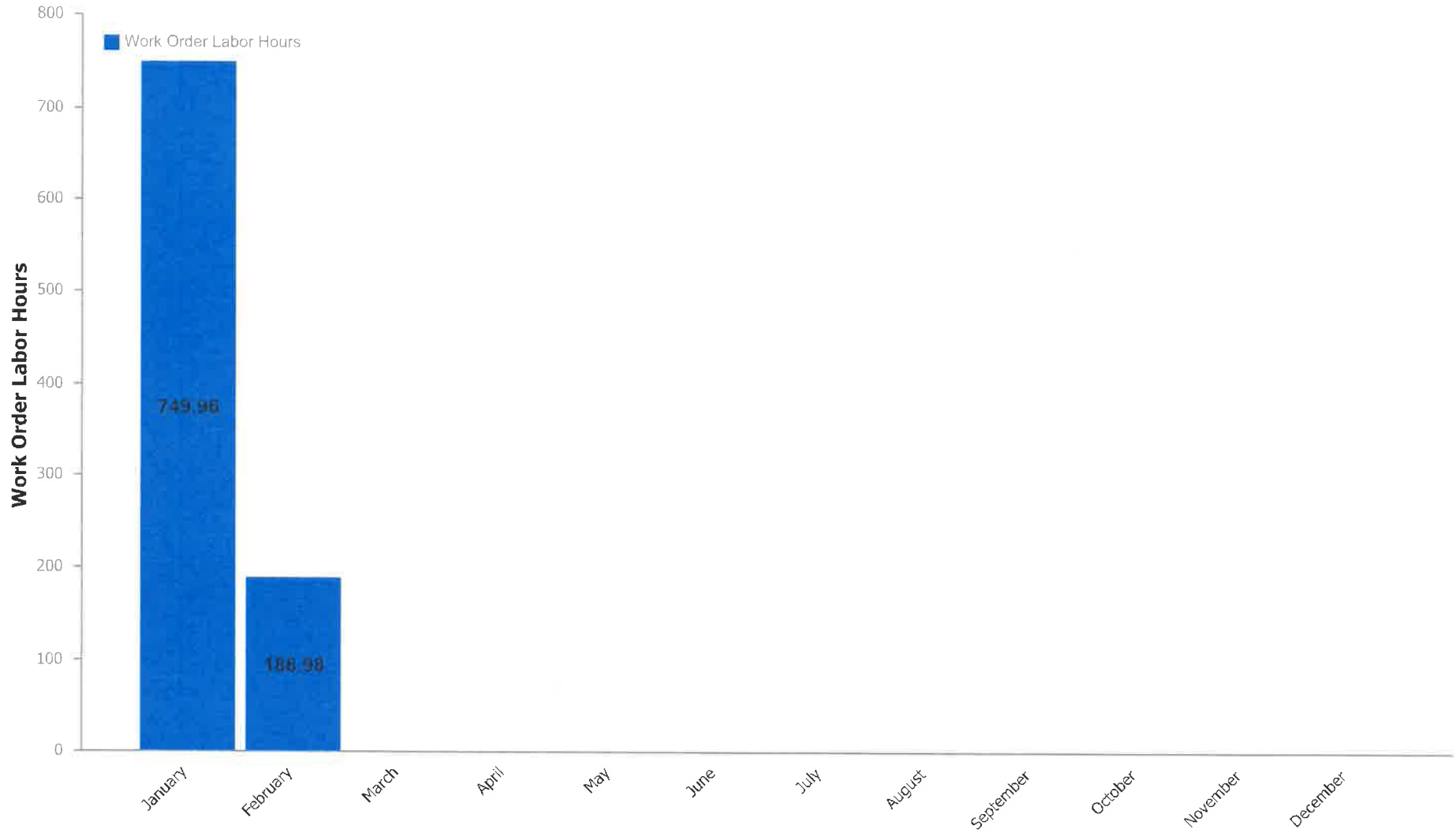
Work Orders Closed By Month

From January, 2023 to December, 2023



Work Order Labor Hours by Month

2023



ATTACHMENT

A

DMR Monthly Report

1/1/2023 to 1/31/2023

Var #	452	159	119	236	454	351	113	237	386
	EFF FLOW	001 Eff pH	FINAL EFF TSS	Weekly ave Eff TSS	EFF TSS	WeeklyAveEffTSS	EFF-C-BOD	Weekly Ave EffCBOD	EFF C-BOD
Date	MGD	STD UNIT	mg/L	MG/L	LBS/D	LBS/Day	mg/l	MG/L	lbs\day
1/1/2023	10.767		20		1,796		2		180
1/2/2023	10.304		18		1,547		4		344
1/3/2023	14.043	6.87	19		2,225		5		586
1/4/2023	14.242	6.82	16		1,900		5		594
1/5/2023	12.970	6.84	23		2,488		5		541
1/6/2023	12.493	6.98	22		2,292				
1/7/2023	12.266		21	20	2,148	2,057	7	5	716
1/8/2023	11.950		13		1,296		3		299
1/9/2023	11.675	7.25	13		1,266		4		389
1/10/2023	11.768	7.06	12		1,178		3		294
1/11/2023	11.437	7.19	12		1,145		3		286
1/12/2023	11.581	7.21	10		966		4		386
1/13/2023	11.178	7.22	18		1,678				
1/14/2023	10.915		16	13	1,456	1,283	5	4	455
1/15/2023	10.836		13		1,175		5		452
1/16/2023	11.275		11		1,034		4		376
1/17/2023	11.461	7.07	10		956		5		478
1/18/2023	11.677	7.26	19		1,850		6		584
1/19/2023	16.676	6.93	20		2,782		6		834
1/20/2023	16.921	6.73	9		1,270				
1/21/2023	14.639		16	14	1,953	1,574	4	5	488
1/22/2023	13.676		12		1,369		3		342
1/23/2023	13.233	7.15	12		1,324		4		441
1/24/2023	12.840	6.93	15		1,606		4		428
1/25/2023	13.271	7.27	16		1,771		4		443
1/26/2023	13.490	7.11	19		2,138		4		450
1/27/2023	13.127	7.04	12		1,314				
1/28/2023	12.757		13	14	1,383	1,558	3	4	319
1/29/2023	12.427		13		1,347		2		207
1/30/2023	12.237	7.28	15		1,531		3		306
1/31/2023	12.120	7.08	14		1,415		3		303

Minimum	10.304	6.73	9	13	956	1,283	2	4	180
Maximum	16.921	7.28	23	20	2,782	2,057	7	5	834
Average	12.589	7.06	15	15	1,600	1,618	4	5	427
Sum	390.252	141.29	472	61	49,600	6,472	110	17	11,524

Limit		Range 6-9	25	45	5213	9383	20	40	4,170
--------------	--	------------------	-----------	-----------	-------------	-------------	-----------	-----------	--------------

DMR Monthly Report

1/1/2023 to 1/31/2023

Var #	352	187	191	401	101	450	115	451	455
	WeeklyAverageEffCBOD	001 EFF CL2	FECAL COLI 001	TOTAL INF FLOW	INFLUENT BOD	INF BOD LOAD	INFLUENT TSS	INF TSS	BOD REMOVAL
Date	LBS/Day	mg/L	#/100ml	MGD	mg/L	LBS/D	mg/L	LBS/D	%
1/1/2023				10.77	46	4,131	188	16,882	96
1/2/2023				10.30	215	18,476	164	14,093	98
1/3/2023				14.04	271	31,739	348	40,757	98
1/4/2023				14.24	247	29,338	110	13,066	98
1/5/2023				12.97	417	45,107	240	25,961	99
1/6/2023				12.49			108	11,253	
1/7/2023	493			12.27	160	16,368	178	18,209	96
1/8/2023				11.95	178	17,740	174	17,341	98
1/9/2023				11.68	250	24,342	160	15,579	98
1/10/2023				11.77	323	31,701	210	20,610	99
1/11/2023				11.44	214	20,412	190	18,123	99
1/12/2023				11.58	389	37,572	254	24,533	99
1/13/2023				11.18			240	22,374	
1/14/2023	352			10.92	239	21,756	258	23,486	98
1/15/2023				10.84	151	13,646	214	19,340	97
1/16/2023				11.28	336	31,595	198	18,619	99
1/17/2023				11.46	399	38,138	142	13,573	99
1/18/2023				11.68	363	35,351	306	29,800	98
1/19/2023				16.68	249	34,630	180	25,034	98
1/20/2023				16.92			130	18,346	
1/21/2023	536			14.64	105	12,819	238	29,057	96
1/22/2023				13.68	63	7,186	242	27,602	95
1/23/2023				13.23	281	31,012	210	23,176	99
1/24/2023				12.84	346	37,052	334	35,767	99
1/25/2023				13.27	303	33,536	276	30,548	99
1/26/2023				13.49	451	50,740	460	51,753	99
1/27/2023				13.13			184	20,144	
1/28/2023	404			12.76	149	15,853	226	24,045	98
1/29/2023				12.43	166	17,204	176	18,241	99
1/30/2023				12.24	256	26,126	104	10,614	99
1/31/2023				12.12	227	22,945	68	6,873	99

Minimum	352			10.30	46	4,131	68	6,873	95
Maximum	536			16.92	451	50,740	460	51,753	99
Average	446			12.59	252	26,167	210	22,090	98
Sum	1,785			390.25	6,794	706,518	6,510	684,799	2,647

Limit	8,340	0.05	400						
--------------	--------------	-------------	------------	--	--	--	--	--	--

DMR Monthly Report

1/1/2023 to 1/31/2023

Var #	456	1040	1041	1042	1043	255	297	953	1023
	TSS REMOVAL	North Effluent DO - SCADA	South Effluent DO - SCADA	Daily Average Effluent DO	Effluent DO weekly average	FINAL EFF NH3N	Eff Nitrogen #	Eff_Total Phosphoru s- TP(TNT)	Effluent Total Nitrogen
Date	%	mg/l	mg/l	mg/l	mg/l	mg/L	#/day	mg/l	mg/l
1/1/2023	89	9.16	8.97	9.07					
1/2/2023	89	9.24	9.10	9.17		0.05	4.30	0.25	
1/3/2023	95	8.76	8.56	8.66		0.05	5.86	0.20	
1/4/2023	85	8.78	8.51	8.65		0.05	5.94	0.20	14.78
1/5/2023	90	8.55	8.58	8.57		1.48	160.09	0.20	
1/6/2023	80	8.27	8.64	8.46					
1/7/2023	88	8.09	8.55	8.32	8.70				
1/8/2023	93	8.59	8.95	8.77		0.33	32.49	0.30	
1/9/2023	92	8.95	9.13	9.04		0.53	51.22	0.25	
1/10/2023	94	8.33	8.78	8.56		0.36	35.04	0.31	16.82
1/11/2023	94	8.48	8.69	8.59		0.17	16.12	0.25	
1/12/2023	96	8.61	8.84	8.73		0.23	22.41	0.27	
1/13/2023	93	8.60	8.97	8.79					
1/14/2023	94	7.64	8.79	8.22	8.67				
1/15/2023	94	8.87	9.15	9.01					
1/16/2023	94	8.60	8.95	8.78		1.01	94.97	0.28	11.04
1/17/2023	93	7.58	8.68	8.13		1.18	112.79	0.32	
1/18/2023	94	7.84	8.74	8.29		1.10	107.12	0.92	
1/19/2023	89	7.63	8.49	8.06		1.34	186.36	0.38	
1/20/2023	93	7.88	8.66	8.27					
1/21/2023	93	8.12	8.75	8.44	8.42				
1/22/2023	95	8.96	9.12	9.04		0.12	13.23	0.12	
1/23/2023	94	9.02	9.22	9.12		0.15	16.33	0.13	
1/24/2023	96	8.65	8.93	8.79		0.05	5.35	0.57	
1/25/2023	94	8.35	8.72	8.54		0.05	5.53	0.70	10.22
1/26/2023	96	8.49	8.90	8.70		1.10	123.76	0.32	
1/27/2023	93	8.55	8.97	8.76					
1/28/2023	94	9.26	9.27	9.27	8.89				
1/29/2023	93	9.41	9.44	9.43		0.12	11.92	0.30	
1/30/2023	86	9.46	9.50	9.48		0.43	44.09	0.31	
1/31/2023	79	9.02	9.30	9.16		0.29	29.31	0.38	11.22

Minimum	79	7.58	8.49	8.06	8.42	0.05	4.30	0.12	10.22
Maximum	96	9.46	9.50	9.48	8.89	1.48	186.36	0.92	16.82
Average		8.57	8.90	8.74	8.67	0.49	51.63	0.33	12.82
Sum	2,842	265.74	275.85	270.80	34.68	10.17	1,084.24	6.91	64.08

Limit				min >4.0	>4.5	7.5	1564		
				avg >6.0					

Influent BOD loading Lbs - Monthly AVG

26,167 Lbs./Day

01/01/2023 - 01/31/2023



0 to 21150 - Target Loading

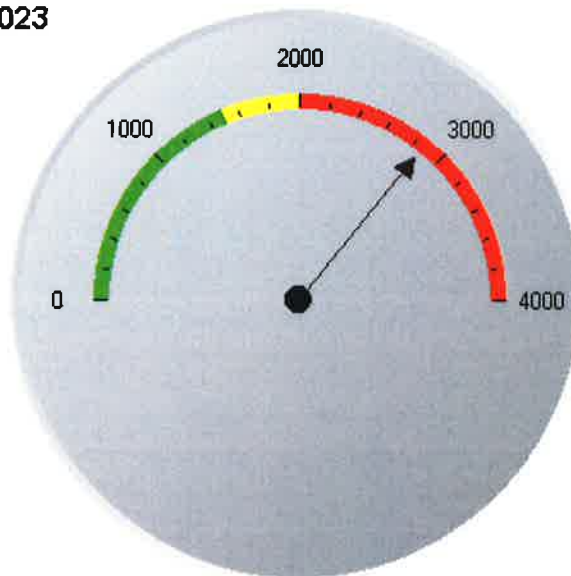
21150 to 28200 - Above 75% Threshold

Above 28200

Influent NH3 loading Lbs - Monthly AVG

2,871 Lbs./Day

01/01/2023 - 01/31/2023



0 to 1500 - Target Loading

1500 to 2000 - Above 75% Threshold

Above 2000

Influent TSS loading Lbs - Monthly AVG
01/01/2023 - 01/31/2023

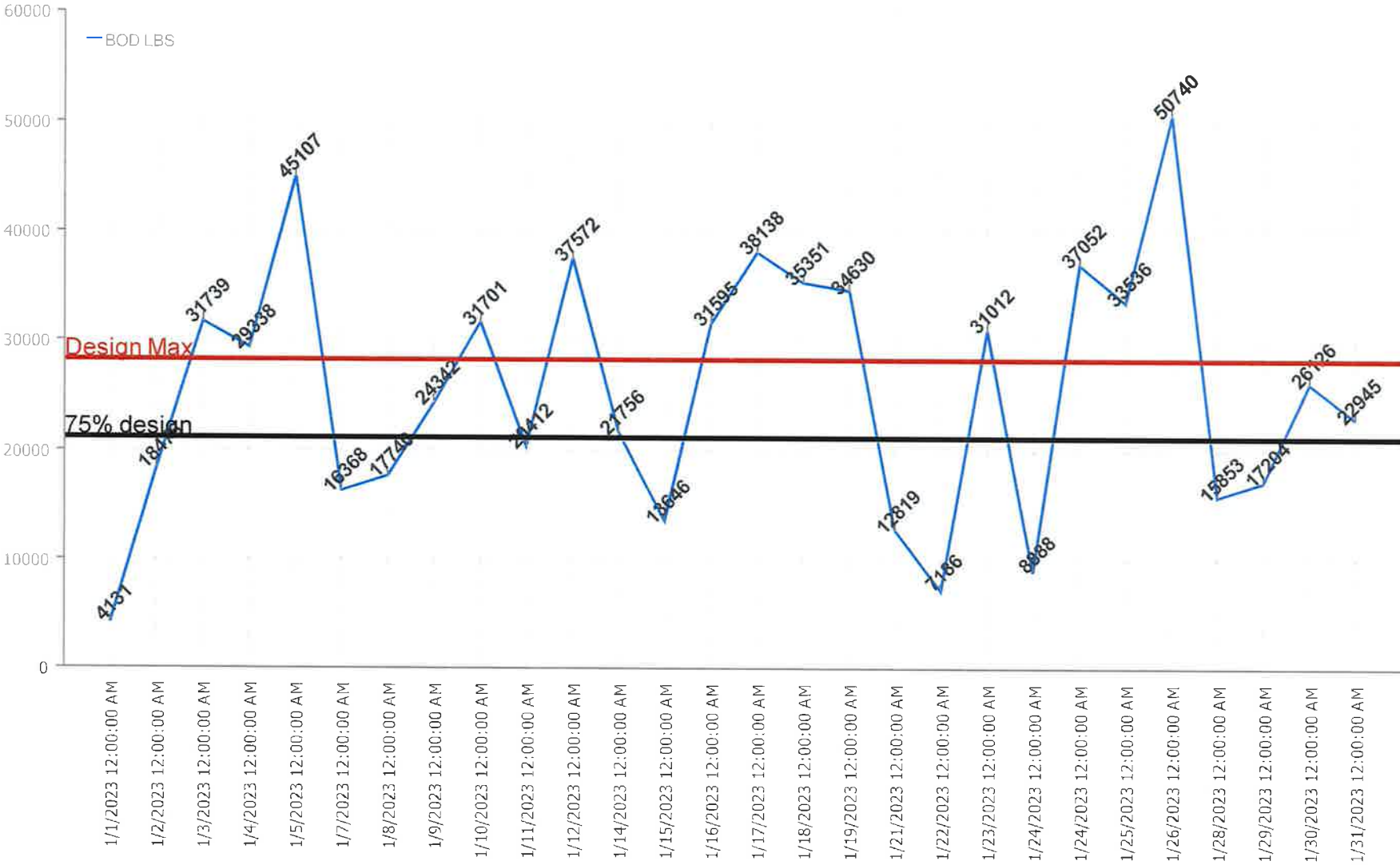
22,090 Lbs./Day



0 to 18900 - Target Loading
18900 to 25200 - Above 75% Threshold
Above 25200

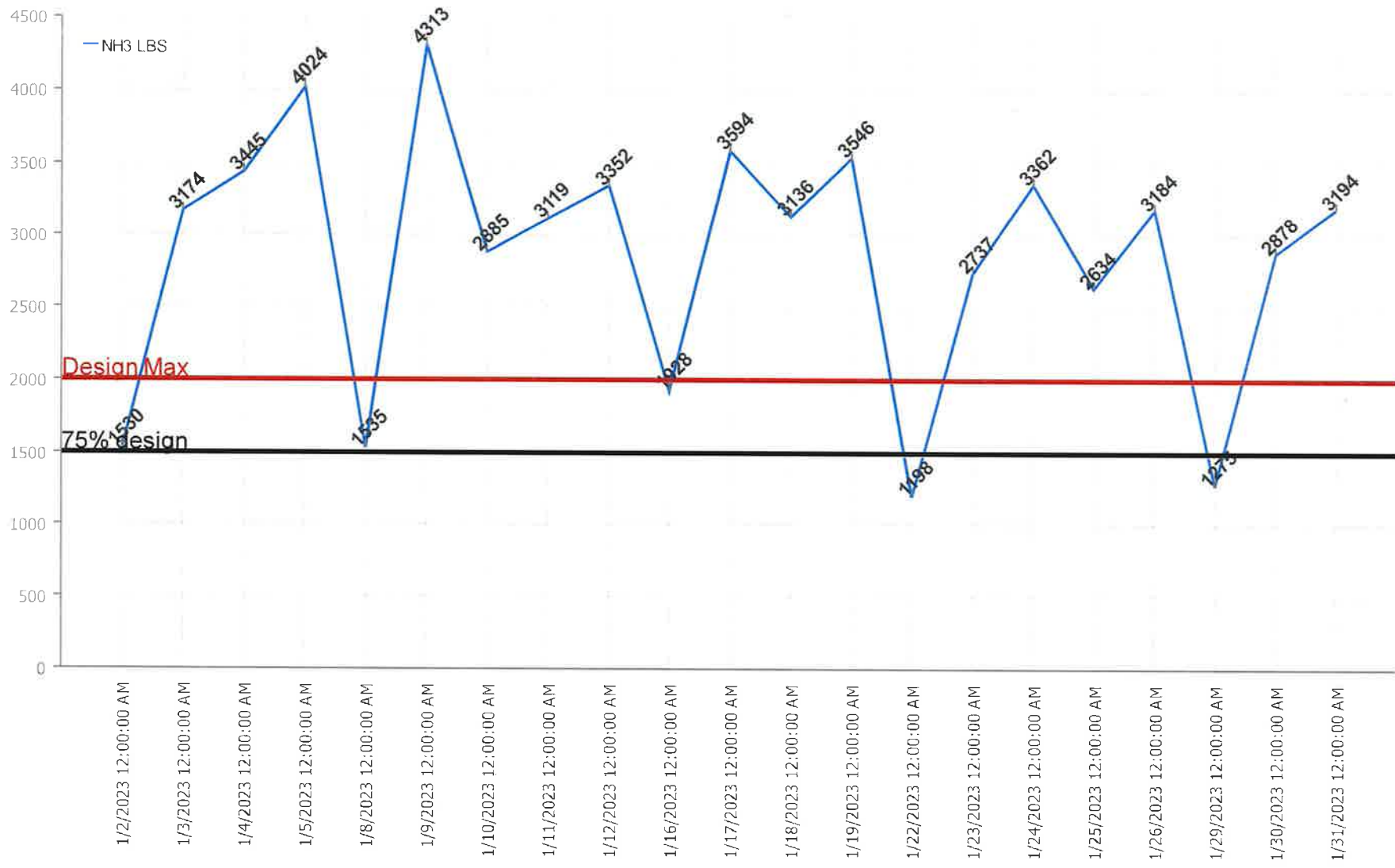
KRMA influent BOD pounds

Average Lbs. BOD: 25,550.11



KRMA influent NH3 pounds

Average Lbs. NH3: 2,859.19



ATTACHMENT

B

Flows
KRMA Treatment Facility
January, 2023

Date	PRECIPITA INCHES	PLANT MGD	Kankakee MGD	BOURB. MGD	BradleyFlow MGD	AromaPark MGD
1/1/2023	0.00	10.77	7.11	2.603	1.020	0.034
1/2/2023	0.43	10.30	6.28	2.812	1.178	0.034
1/3/2023	0.04	14.04	8.30	3.930	1.778	0.032
1/4/2023	0.00	14.24	9.07	3.485	1.652	0.034
1/5/2023	0.10	12.97	8.23	3.227	1.479	0.032
1/6/2023	0.00	12.49	8.04	3.063	1.354	0.035
1/7/2023	0.00	12.27	7.96	2.914	1.357	0.035
1/8/2023	0.00	11.95	7.62	2.897	1.397	0.035
1/9/2023	0.00	11.68	7.49	2.983	1.163	0.034
1/10/2023	0.00	11.77	7.74	2.885	1.108	0.032
1/11/2023	0.00	11.44	7.57	2.752	1.088	0.030
1/12/2023	0.00	11.58	7.79	2.698	1.060	0.029
1/13/2023	0.00	11.18	7.52	2.593	1.030	0.031
1/14/2023	0.00	10.92	7.13	2.602	1.154	0.031
1/15/2023	0.00	10.84	7.11	2.576	1.123	0.031
1/16/2023	0.13	11.28	7.20	2.864	1.182	0.031
1/17/2023	0.00	11.46	7.68	2.710	1.038	0.030
1/18/2023	0.65	11.68	7.12	2.960	1.565	0.034
1/19/2023	0.13	16.68	9.19	5.287	2.163	0.039
1/20/2023	0.00	16.92	10.92	4.023	1.939	0.039
1/21/2023	0.00	14.64	9.12	3.618	1.864	0.039
1/22/2023	0.03	13.68	8.39	3.431	1.818	0.039
1/23/2023	0.00	13.23	8.31	3.235	1.651	0.035
1/24/2023	0.13	12.84	8.29	3.165	1.343	0.039
1/25/2023	0.15	13.27	8.53	3.282	1.432	0.026
1/26/2023	0.00	13.49	9.05	3.164	1.240	0.032
1/27/2023	0.00	13.13	8.81	3.097	1.179	0.036
1/28/2023	0.00	12.76	8.29	3.079	1.347	0.036
1/29/2023	0.03	12.43	8.01	2.998	1.378	0.036
1/30/2023	0.00	12.24	8.10	2.991	1.113	0.034
1/31/2023	0.00	12.12	8.05	2.943	1.101	0.029
Total	1.82	390.25	250.05	96.867	42.295	1.043
Average	0.06	12.59	8.07	3.125	1.364	0.034
Minimum	0.00	10.30	6.28	2.576	1.020	0.026
Maximum	0.65	16.92	10.92	5.287	2.163	0.039
# of data	31	31	31	31	31	31

ATTACHMENT

C



SAFETY MEETING
February 14, 2023
9:30am
Agenda

I. Safety Minutes

Review minutes from January 2023

II. Old Business

There were no lost time accidents for the month of January 2023.

III. New Business

A. Safety Training

1. Section 17 of CBA; *Voluntary Short-term/Long-term Disability*
HomeStar Insurance Services
2. Slips, Trips & Fall Prevention

B. Safety Concerns

C. Safety Team Leader Report

D. Open Discussion

**Next Meeting: Thursday, March 9, 2023
9:30am & 1:30pm**



SAFETY MEETING
January 12, 2023
9:30am
Minutes

In attendance:

9am session:

Melanie Gossett, Facilitator; Grant Heutel and Andrew Schneider (Buckingham Strategic Wealth Reps.)

Shaun Ownbey	Jack Renchen	Dan Combs	Shawn Malone
Nick Scheppler	Jim Churney	Ron Haney	Bryan Kennedy
Josh Peters	John Lund	Max Gossett	Mike Arseneau
Andy Summers	Nick Tucker	Alex Bowser	RJ Tyson

Absent:

Mike Gowler

I. Safety Minutes

Reviewed minutes from November 2022 (No December 2022 minutes due to cancellation) - Approved

II. Old Business

There were no lost time accidents for the month of November 2022 and December 2022.

III. New Business

A. Safety Training

Buckingham Strategic Wealth representatives completed their annual review of the 401(k) plan with all interested participants. The group presentation was followed by voluntary individual consultations.

B. Safety Concerns

1. Will KRMA pay for tetanus shots?

✓ Yes

2. No other concerns mentioned.

C. Safety Team Report

1. Safety team leadership responsibilities transferred from RJ Tyson to Alex Bowser.

ATTACHMENT

D

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: BRADLEY/ RIVER DRIVE

FLOW METER MODEL: Isco Signature

INFLUENT February 7th, 2023

PRIMARY DEVICE: PHARSHAL

FLOW: 0-21.36

MEASURING DEVICE: ULTRASONIC

CHECK POINTS:

LEVEL? YES

FREE FLOWING? Yes

TURBULENCE? Yes

BLOCKAGE? NO

SURFACE BUILD-UP? NONE

HEAD MEASURING DEVICE MOUNTED PROPERLY? YES

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? YES

CALIBRATION:

NOTE: THE ZERO POINT FOR MEASURING MUST BE LEVEL WITH THE WEIR CREST OR FLUME ZERO POINT:

A) IF POSSIBLE, CUT-OFF FLOW & SET LEVEL TO 0.000FT

LEVEL BEFORE:

LEVEL AFTER:

B) IF FLOW CANNOT BE CUT-OFF, ADJUST LEVEL ON METER TO MEASURED POINT:

LEVEL BEFORE: Target 9" Level reading 9.040"

LEVEL AFTER: 9.040"

LEVEL FLOW CONVERSION CHECK:

WITH FLOW THRU PRIMARY DEVICE, CHECK LEVEL TO FLOW CONVERSION WITH HANDBOOK OR PRIMARY DEVICE DATA SHEET: YES/OK

TOTALIZER CHECK:

WITH FLOW GOING THRU PRIMARY DEVICE, VERIFY THAT TOTAL FLOW IS INTEGRATING PROPERLY USING TIMED RATE METHOD: YES/OK

CALIBRATED BY: BRIAN SCHEPPLER

DATE: 2/7/2023

BC SYSTEMS INC.
2778 N. 4000 E. ROAD
BOURBONNAIS ILLINOIS 60914
PHONE: 1-815-671-1257
FAX: 1-815-802-0219

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: KANKAKEE

FLOW METER MODEL: Siemens Hydro Ranger #1

Influent February 7th, 2023

PRIMARY DEVICE: Flume

FLOW: 0-73 MGD

MEASURING DEVICE: Ultrasonic

CHECK POINTS:

LEVEL? YES

FREE FLOWING? Yes

TURBULENCE? No

BLOCKAGE? NO

SURFACE BUILD-UP? No

HEAD MEASURING DEVICE MOUNTED PROPERLY? YES

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? YES

CALIBRATION:

NOTE: THE ZERO POINT FOR MEASURING MUST BE LEVEL WITH THE WEIR CREST OR FLUME ZERO POINT:

A) IF POSSIBLE, CUT-OFF FLOW & SET LEVEL TO 0.000FT

LEVEL BEFORE:

LEVEL AFTER:

B) IF FLOW CANNOT BE CUT-OFF, ADJUST LEVEL ON METER TO MEASURED POINT:

LEVEL BEFORE: Target Set 20 MGD AS Found 20.10 MGD

LEVEL AFTER: 20.03 MGD

LEVEL FLOW CONVERSION CHECK:

WITH FLOW THRU PRIMARY DEVICE, CHECK LEVEL TO FLOW CONVERSION WITH HANDBOOK OR PRIMARY DEVICE DATA SHEET: YES/OK

TOTALIZER CHECK:

WITH FLOW GOING THRU PRIMARY DEVICE, VERIFY THAT TOTAL FLOW IS INTEGRATING PROPERLY USING TIMED RATE METHOD: YES/OK

CALIBRATED BY: BRIAN SCHEPPLER

DATE: 2/7/23

BC SYSTEMS INC.
2778 N. 4000 E. ROAD
BOURBONNAIS ILLINOIS 60914
PHONE: 1-815-671-1257
FAX: 1-815-802-0219

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: KANKAKEE/BROOKMONT

FLOW METER MODEL: ISCO Signature

INFLUENT February 7th, 2023

PRIMARY DEVICE: PHARSHAL

FLOW: 0-516 GPM 0-13.20 IN

MEASURING DEVICE: ULTRASONIC

CHECK POINTS:

LEVEL? YES

FREE FLOWING? YES

TURBULENCE? NO

BLOCKAGE? No

SURFACE BUILD-UP? NO

HEAD MEASURING DEVICE MOUNTED PROPERLY?

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? Yes

CALIBRATION:

NOTE: THE ZERO POINT FOR MEASURING MUST BE LEVEL WITH THE WEIR CREST OR FLUME ZERO POINT:

A) IF POSSIBLE, CUT-OFF FLOW & SET LEVEL TO 0.000FT

LEVEL BEFORE:

LEVEL AFTER:

B) IF FLOW CANNOT BE CUT-OFF, ADJUST LEVEL ON METER TO MEASURED POINT:

LEVEL BEFORE: Target 24.125" Level 24.154

LEVEL AFTER: 24.122"

LEVEL FLOW CONVERSION CHECK:

WITH FLOW THRU PRIMARY DEVICE, CHECK LEVEL TO FLOW CONVERSION WITH HANDBOOK OR PRIMARY DEVICE DATA SHEET: Yes

TOTALIZER CHECK:

WITH FLOW GOING THRU PRIMARY DEVICE, VERIFY THAT TOTAL FLOW IS INTEGRATING PROPERLY USING TIMED RATE METHOD: Yes

CALIBRATED BY: Brian Scheppler

DATE 2/7/2023

BC SYSTEMS INC.
2778 N. 4000 E. ROAD
BOURBONNAIS ILLINOIS 60914
PHONE: 1-815-671-1257
FAX: 1-815-802-0219

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: KANKAKEE

FLOW METER MODEL: Siemens Hydro Ranger #2

INFLUENT February 7th, 2023

PRIMARY DEVICE: Flume

FLOW: 0-73.425 MGD

MEASURING DEVICE: Ultrasonic

CHECK POINTS:

LEVEL? YES

FREE FLOWING? Yes

TURBULENCE? NO

BLOCKAGE? NO

SURFACE BUILD-UP? No

HEAD MEASURING DEVICE MOUNTED PROPERLY? YES

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? YES

CALIBRATION:

NOTE: THE ZERO POINT FOR MEASURING MUST BE LEVEL WITH THE WEIR CREST OR FLUME ZERO POINT:

A) IF POSSIBLE, CUT-OFF FLOW & SET LEVEL TO 0.000FT

LEVEL BEFORE:

LEVEL AFTER:

B) IF FLOW CANNOT BE CUT-OFF, ADJUST LEVEL ON METER TO MEASURED POINT:

LEVEL BEFORE: Target Set 20 MGD AS Found 20.02 MGD

LEVEL AFTER: 20.02 MGD

LEVEL FLOW CONVERSION CHECK:

WITH FLOW THRU PRIMARY DEVICE, CHECK LEVEL TO FLOW CONVERSION WITH HANDBOOK OR PRIMARY DEVICE DATA SHEET: YES/OK

TOTALIZER CHECK:

WITH FLOW GOING THRU PRIMARY DEVICE, VERIFY THAT TOTAL FLOW IS INTEGRATING PROPERLY USING TIMED RATE METHOD: YES/OK

CALIBRATED BY: BRIAN SCHEPPLER

DATE: 2/7/2023

BC SYSTEMS INC.
2778 N. 4000 E. ROAD
BOURBONNAIS ILLINOIS 60914
PHONE: 1-815-671-1257
FAX: 1-815-802-0219

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: KANKAKEE/RIVERLANE

FLOW METER MODEL: Isco Signature

INFLUENT February 7th, 2023

PRIMARY DEVICE: PHARSHAL

FLOW: 0-516 GPM 0-13.20 IN

MEASURING DEVICE: ULTRASONIC

CHECK POINTS:

LEVEL? YES

FREE FLOWING?

TURBULENCE? NO

BLOCKAGE? No

SURFACE BUILD-UP? No

HEAD MEASURING DEVICE MOUNTED PROPERLY? Yes

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? Yes

CALIBRATION:

NOTE: THE ZERO POINT FOR MEASURING MUST BE LEVEL WITH THE WEIR CREST OR FLUME ZERO POINT:

A) IF POSSIBLE, CUT-OFF FLOW & SET LEVEL TO 0.000FT

LEVEL BEFORE:

LEVEL AFTER:

B) IF FLOW CANNOT BE CUT-OFF, ADJUST LEVEL ON METER TO MEASURED POINT

C) LEVEL BEFORE: TARGET SET 24.125 Level 24.090

LEVEL AFTER: 24.121"

LEVEL FLOW CONVERSION CHECK:

WITH FLOW THRU PRIMARY DEVICE, CHECK LEVEL TO FLOW CONVERSION WITH HANDBOOK OR PRIMARY DEVICE DATA SHEET: Yes

TOTALIZER CHECK:

WITH FLOW GOING THRU PRIMARY DEVICE, VERIFY THAT TOTAL FLOW IS INTEGRATING PROPERLY USING TIMED RATE METHOD: Yes

CALIBRATED BY: Brian Scheppler

DATE: 2/7/2023

BC SYSTEMS INC.
2778 N. 4000 E. ROAD
BOURBONNAIS ILLINOIS 60914
PHONE: 1-815-671-1257
FAX: 1-815-802-0219

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: BOURBONNAIS/New

FLOW METER MODEL: Isco Laser Flow

INFLUENT February 8th, 2023

PRIMARY DEVICE: 36" PIPE

FLOW: 0-21.36 MGD

MEASURING DEVICE:

CHECK POINTS:

LEVEL? YES

FREE FLOWING? Yes

TURBULENCE? NO

BLOCKAGE? NO

SURFACE BUILD-UP? None

HEAD MEASURING DEVICE MOUNTED PROPERLY? YES

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? YES

CALIBRATION:

NOTE: THE ZERO POINT FOR MEASURING MUST BE LEVEL WITH THE WEIR CREST OR FLUME ZERO POINT:

A) IF POSSIBLE, CUT-OFF FLOW & SET LEVEL TO 0.000FT

LEVEL BEFORE:

LEVEL AFTER:

B) IF FLOW CANNOT BE CUT-OFF, ADJUST LEVEL ON METER TO MEASURED POINT:

LEVEL BEFORE: Target level 14.0" As found 13.550"

LEVEL AFTER: 14.00"

LEVEL FLOW CONVERSION CHECK:

WITH FLOW THRU PRIMARY DEVICE, CHECK LEVEL TO FLOW CONVERSION WITH HANDBOOK OR PRIMARY DEVICE DATA SHEET: YES/OK

TOTALIZER CHECK:

WITH FLOW GOING THRU PRIMARY DEVICE, VERIFY THAT TOTAL FLOW IS INTEGRATING PROPERLY USING TIMED RATE METHOD: YES/OK

CALIBRATED BY: BRIAN SCHEPPLER

DATE: 2/8/2023

BC SYSTEMS INC.
2778 N. 4000 E. ROAD
BOURBONNAIS ILLINOIS 60914
PHONE: 1-815-671-1257
FAX: 1-815-802-0219

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: Kankakee Influent

FLOW METER MODEL: Isco Laser Flow

INFLUENT February 8, 2023

PRIMARY DEVICE: 72" PIPE

FLOW: 0-115 MGD

MEASURING DEVICE:

CHECK POINTS:

LEVEL? YES

FREE FLOWING? Yes

TURBULENCE? NO

BLOCKAGE? NO

SURFACE BUILD-UP? Foam

HEAD MEASURING DEVICE MOUNTED PROPERLY? YES

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? YES

CALIBRATION:

NOTE: THE ZERO POINT FOR MEASURING MUST BE LEVEL WITH THE WEIR CREST OR FLUME ZERO POINT:

A) IF POSSIBLE, CUT-OFF FLOW & SET LEVEL TO 0.000FT

LEVEL BEFORE:

LEVEL AFTER:

B) IF FLOW CANNOT BE CUT-OFF, ADJUST LEVEL ON METER TO MEASURED POINT:

LEVEL BEFORE: Target level 43.5" As found 42.700"

LEVEL AFTER: 43.50"

LEVEL FLOW CONVERSION CHECK:

WITH FLOW THRU PRIMARY DEVICE, CHECK LEVEL TO FLOW CONVERSION WITH HANDBOOK OR PRIMARY DEVICE DATA SHEET: YES/OK

TOTALIZER CHECK:

WITH FLOW GOING THRU PRIMARY DEVICE, VERIFY THAT TOTAL FLOW IS INTEGRATING PROPERLY USING TIMED RATE METHOD: YES/OK

CALIBRATED BY: BRIAN SCHEPPLER

DATE: 2/8/2023

BC SYSTEMS INC.
2778 N. 4000 E. ROAD
BOURBONNAIS ILLINOIS 60914
PHONE: 1-815-671-1257
FAX: 1-815-802-0219

ATTACHMENT

E

January 2023 Monthly Pretreatment Sample Analysis (metals, cyanide & VOA) for the permitted industries were a total of **75 samples** and a total of **462 analyses**.

Gilster-Mary Lee Corporation	7 Samples
Hoffman Transportation, LLC	11 Samples
Kankakee Recycling & Disposal Facility	2 Samples
Liberty Landfill, LLC	8 Samples
Livingston Landfill	5 Samples
Natural Gas & Pipeline Co. of America	4 Samples
Newton County Landfill	10 Samples
Prairie View RDF	8 Samples
Tank Cleaning Solutions, LLC	15 Samples
Verdant Specialty Solutions US LLC	3 Samples
Zutat Feed Solutions	2 Samples

Volumes Received for January 2023 for trucked-in industries.

Gilster-Mary Lee Corporation	40,000 gals	7 loads
Hoffman Transportation, LLC	150,000 gals	30 loads
Kankakee Recycling & Disposal Facility	21,000 gals	3 loads
Lake County C&D Landfill	0 gals	0 loads
Laraway Recycling & Disposal Facility	0 gals	0 loads
Liberty 3 LFGTE Plant - Wabash Valley Power Alliance	0 gals	0 loads
Liberty Landfill, LLC	1,153,315 gals	173 loads
Livingston Landfill	200,568 gals	30 loads
Momence Packing	0 gals	0 loads
Natural Gas & Pipeline Co. of America	50,000 gals	10 loads
Newton County Landfill	802,409 gals	118 loads
Peoria Packing Co.	0 gals	0 loads
Prairie View - Will County RNG Plant	0 gals	0 loads
Prairie View RDF	206,148 gals	37 loads
Tank Cleaning Solutions, LLC	204,684 gals	39 loads
Verdant Specialty Solutions US LLC	32,941 gals	6 loads
Zutat Feed Solutions	24,000 gals	4 loads
Totals:	2,885,065 gals	457 loads

The KRMA Facility received a total of **146 loads** of septage which totalled **505,397 gallons** for the month of January 2023

KRMA YEARLY UTILITY USAGE - (2023)

	KRMA ELECTRIC ENERGY USE							KRMA WATER USE						
	Total KWH	Days	Total Cost \$/month	Total Cost \$/day	Hydro KWH	Methane KWH	Champion Energy KWH	KWH/HR (Avg)	\$/KWH	Gallons	Days	Total Cost \$/Billing Period	Gallons/Day	Total Cost \$/day
JANUARY	157,568	33	\$ 38	\$ 1	-	157,319	249	199	\$ 0.0002	281,400	29	\$ 2,334	9,703	80
FEBRUARY	0			#DIV/0!	-			#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!
MARCH	0			#DIV/0!	-			#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!
APRIL	0			#DIV/0!	-			#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!
MAY	0			#DIV/0!	-			#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!
JUNE	0			#DIV/0!	-			#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!
JULY	0			#DIV/0!	-			#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!
AUGUST	0			#DIV/0!	-			#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!
SEPTEMBER	0			#DIV/0!	-			#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!
OCTOBER	0			#DIV/0!	-			#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!
NOVEMBER	0			#DIV/0!	-			#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!
DECEMBER	0			#DIV/0!	-			#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!
TOTAL	157,568	33	\$ 38	#DIV/0!	0	157,319	249	#DIV/0!	#DIV/0!	281,400	29	\$ 2,334	#DIV/0!	#DIV/0!
	Total KWH	Days	Total Cost \$/month	Total Cost \$/day	Hydro KWH	Methane KWH	Mid-American KWH	KWH/HR (Avg)	\$/KWH	Gallons	Days	Total Cost \$/Billing Period	Gallons/Day	Total Cost \$/day

	KRMA NATURAL GAS USE				
	Therms	Days	Total Cost \$/Billing Period	Therms/Day	Total Cost \$/day
JANUARY	41,951	32	\$ 28,538	1311	\$ 892
FEBRUARY				#DIV/0!	#DIV/0!
MARCH				#DIV/0!	#DIV/0!
APRIL				#DIV/0!	#DIV/0!
MAY				#DIV/0!	#DIV/0!
JUNE				#DIV/0!	#DIV/0!
JULY				#DIV/0!	#DIV/0!
AUGUST				#DIV/0!	#DIV/0!
SEPTEMBER				#DIV/0!	#DIV/0!
OCTOBER				#DIV/0!	#DIV/0!
NOVEMBER				#DIV/0!	#DIV/0!
DECEMBER				#DIV/0!	#DIV/0!
TOTAL	41,951	32	\$ 28,538	#DIV/0!	#DIV/0!
	Therms	Days	Total Cost \$/Billing Period	Therms/Day	Total Cost \$/day



Annual Load / Gallon Totals

2023

Month Received	Gilster-Mary Lee Corporation	Hoffman Transportation LLC	Kankakee Recycling & Disposal Facility	Lake County C&D Landfill	Laraway Recycling & Disposal Facility	Liberty 3 LFG/LE Plant - Wabash Valley Power Alliance	Liberty Landfill, LLC	Livingston Landfill	Micrombe Packing	Natural Gas & Pipeline Co. of America	Newton County Landfill	Peoria Packing Co.	Prairie View - Will County RNG Plant	Prairie View RDF	Tank Cleaning Solutions, LLC	Verdant Specialty Solutions US LLC	Zuiat Feed Solutions	Total	# Loads	
January	40,000	150,000	21,000				1,153,315	200,568		50,000	802,409			206,148	204,684	32,941	24,000	2,885,065	457	
February																				
March																				
April																				
May																				
June																				
July																				
August																				
September																				
October																				
November																				
December																				
Totals	40,000	150,000	21,000				1,153,315	200,568		50,000	802,409			206,148	204,684	32,941	24,000	2,885,065	457	
Average	40,000	150,000	21,000				1,153,315	200,568		50,000	802,409			206,148	204,684	32,941	24,000	2,885,065	457	
Treatment Costs as of 05/01/22	0.086	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.086	0.086	0.1	0.086	0	0.059	0.086	0.138	0.082			
Treatment Costs as of 05/01/21	0.082	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.082	0.082	0.08	0.082	0	0.056	0.082	0.131	0.071			



Monthly TSS/BOD Loading Report

January, 2023

1600 West Brookmont Blvd.
Kankakee, IL 60901
Phone: 815-933-0444
Fax: 815-933-0104

Hauler	Gallons	Lbs TSS	Lbs BOD
Gilster-Mary Lee Corporation	40,000	5,443	5,330
Hoffman Transportation, LLC	150,000	1,272	2,876
Kankakee Recycling & Disposal Facility	21,000	39	150
Lake County C&D Landfill	0	0	0
Laraway Recycling & Disposal Facility	0	0	0
Liberty 3 LFGTE Plant - Wabash Valley Pow0		0	0
Liberty Landfill, LLC	1,153,315	1,066	17,696
Livingston Landfill	200,568	893	9,573
Momence Packing	0	0	0
Natural Gas & Pipeline Co. of America	50,000	18	121
Newton County Landfill	802,409	3,047	101,943
Peoria Packing Co.	0	0	0
Prairie View - Will County RNG Plant	0	0	0
Prairie View RDF	206,148	595	20,422
Tank Cleaning Solutions, LLC	204,684	283	3,335
Verdant Specialty Solutions US LLC	32,941	334	6,478
Zutat Feed Solutions	24,000	1,543	1,179
Totals:	2,885,065	14,532	169,101

Kankakee Flows				Bradley Flows				Bourbonnais Flows				Aroma Park Flows						
YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	TOTALS	TOTALS	
5/31/2020	789 460	789.460	69.59%	64.37%	164 256	164.256	14.48%	13.22%	177 175	177.175	15.62%	22.09%	3 597	3 597	0.32%	0.32%	1134.488	1 000
6/30/2020	1076 880	287 420	64.89%	64.37%	221 396	57 140	12.90%	13.22%	274 153	96 978	21.89%	22.09%	5 022	1 425	0.32%	0.32%	442.963	1 000
7/31/2020	1362 330	285 450	61.84%	64.37%	284 103	62 707	13.59%	13.22%	386 186	112 033	24.27%	22.09%	6 391	1 369	0.30%	0.32%	461.559	1 000
8/31/2020	1564 720	202 390	63.60%	64.37%	315 787	31.684	9.96%	13.22%	469 109	82 923	26.06%	22.09%	7 612	1 221	0.38%	0.32%	318.218	1 000
9/30/2020	1750 230	185 510	60.84%	64.37%	350 402	34 615	11.35%	13.22%	552 734	83 625	27.43%	22.09%	8 760	1 148	0.38%	0.32%	304.898	1 000
10/31/2020	1928 540	178 310	61.69%	64.37%	381 570	31 168	10.78%	13.22%	631 131	78 397	27.13%	22.09%	9 906	1 146	0.40%	0.32%	289.021	1 000
11/30/2020	2100 530	171 990	60.39%	64.37%	411 927	30 357	10.66%	13.22%	712 454	81 323	28.56%	22.09%	11 018	1 112	0.39%	0.32%	284.782	1 000
12/31/2020	2290 440	189 910	60.13%	64.37%	448 455	36 528	11.56%	13.22%	800 681	88 227	27.93%	22.09%	12 204	1 186	0.38%	0.32%	315.851	1 000
1/31/2021	2504 930	214 490	59.77%	64.37%	488 313	39 858	11.11%	13.22%	903 640	102 959	28.69%	22.09%	13 732	1 528	0.43%	0.32%	358.835	1 000
2/28/2021	2741 880	236 950	62.40%	64.37%	530 226	41 913	11.04%	13.22%	1003.243	99 603	26.23%	22.09%	14 996	1 264	0.33%	0.32%	379.730	1 000
3/31/2021	3027 860	285 980	57.99%	64.37%	597 803	67 577	13.70%	13.22%	1141.533	138 290	28.04%	22.09%	16 321	1 325	0.27%	0.32%	493.172	1 000
4/30/2021	3279 530	251 670	64.42%	64.37%	639 472	41 669	10.67%	13.22%	1237.733	96 200	24.62%	22.09%	17 450	1 129	0.29%	0.32%	390.668	1 000
		3279.530	63.383%			639.472	12.359%			1237.733	23.921%			17.450	0.337%		5174.185	12.000
Kankakee Flows				Bradley Flows				Bourbonnais Flows				Aroma Park Flows						
YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	TOTALS	TOTALS	
5/31/2021	346 570	346.570	65.99%	63.38%	60 497	60.497	11.52%	12.36%	116 826	116.826	22.24%	23.92%	1 290	1 290	0.25%	0.34%	525.183	1 000
6/30/2021	634 090	287 520	66.76%	63.38%	103 540	43 043	9.99%	12.36%	215 789	98 963	22.98%	23.92%	2 460	1 170	0.27%	0.34%	430.696	1 000
7/31/2021	930 320	296 230	70.61%	63.38%	137 501	33 961	8.10%	12.36%	304.021	88 232	21.03%	23.92%	3 562	1 102	0.26%	0.34%	419.525	1 000
8/31/2021	1162 810	232 490	67.69%	63.38%	166 666	29 165	8.49%	12.36%	384 716	80 695	23.49%	23.92%	4 699	1 137	0.33%	0.34%	343.487	1 000
9/30/2021	1369 410	206 600	66.65%	63.38%	193.616	26 950	8.69%	12.36%	460.262	75 546	24.37%	23.92%	5 600	0 901	0.29%	0.34%	309.997	1 000
10/31/2021	1787 590	418 180	67.50%	63.38%	265 529	71 913	11.61%	12.36%	587.784	127 522	20.58%	23.92%	7 475	1 875	0.30%	0.34%	619.490	1 000
11/30/2021	2068 130	280 540	65.59%	63.38%	314 880	49 351	11.54%	12.36%	684 120	96 336	22.52%	23.92%	8 937	1 462	0.34%	0.34%	427.699	1 000
12/31/2021	2315 330	247 200	60.47%	63.38%	362 817	47 937	11.73%	12.36%	796 476	112 356	27.48%	23.92%	10 246	1 309	0.32%	0.34%	408.802	1 000
1/31/2022	2567 800	252 470	64.39%	63.38%	408 584	45 767	11.67%	12.36%	889.113	92 637	23.63%	23.92%	11 455	1 209	0.31%	0.34%	392.083	1 000
2/28/2022	2952 230	384 430	66.67%	63.38%	471 548	62 964	10.92%	12.36%	1016 840	127 727	22.15%	23.92%	12 972	1 517	0.26%	0.34%	576.638	1 000
3/31/2022	3301 220	348 990	61.44%	63.38%	539 845	68 297	12.02%	12.36%	1165.653	148 813	26.20%	23.92%	14 880	1 908	0.34%	0.34%	568.008	1 000
4/30/2022	3673 760	372 540	63.95%	63.38%	608 424	68 579	11.77%	12.36%	1305.059	139 406	23.93%	23.92%	16 901	2 021	0.35%	0.34%	582.546	1 000
		3673.780	65.554%			608.424	10.857%			1305.059	23.287%			16.901	0.302%		5604.144	12.000
Kankakee Flows				Bradley Flows				Bourbonnais Flows				Aroma Park Flows						
YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	TOTALS	TOTALS	
5/31/2022	327 190	327.190	63.29%	65.55%	59 684	59.684	11.54%	10.86%	128.467	128.467	24.85%	23.29%	1.632	1 632	0.32%	0.30%	516.973	1 000
6/30/2022	589 310	262 120	67.13%	65.55%	36 566	36.566	9.36%	10.86%	90 737	90 737	23.24%	23.29%	1 047	1 047	0.27%	0.30%	390.470	1 000
7/31/2022	845 820	256 510	69.25%	65.55%	32 633	32.633	8.81%	10.86%	80 160	80 160	21.64%	23.29%	1 083	1 083	0.29%	0.30%	370.386	1 000
8/31/2022	1073 610	227 790	68.05%	65.55%	27 078	27 078	8.09%	10.86%	78 806	78 806	23.54%	23.29%	1 089	1 089	0.33%	0.30%	334.763	1 000
9/30/2022	1270 980	197 370	66.81%	65.55%	24 400	24.400	8.26%	10.86%	72 615	72 615	24.58%	23.29%	1 022	1 022	0.35%	0.30%	295.407	1 000
10/31/2022	1478 340	207 360	65.54%	65.55%	29 974	29 974	9.47%	10.86%	78 126	78 126	24.69%	23.29%	0 949	0 949	0.30%	0.30%	316.409	1 000
11/30/2022	1675 230	196 890	63.27%	65.55%	30 268	30 268	9.73%	10.86%	83 143	83 143	26.72%	23.29%	0 899	0 899	0.29%	0.30%	311.200	1 000
12/31/2022	1914 460	239 230	64.26%	65.55%	40 083	40 083	10.77%	10.86%	91 917	91 917	24.69%	23.29%	1 026	1 026	0.28%	0.30%	372.256	1 000
1/31/2023	2164 510	250 050	64.07%	65.55%	42 295	42 295	10.84%	10.86%	96 867	96 867	24.82%	23.29%	1 043	1 043	0.27%	0.30%	390.255	1 000
2/28/2023	2164 510		0.00%		42 295		0.00%		96 867		0.00%		1 043		0.00%		0.000	0.000
3/31/2023	2164 510		0.00%		42 295		0.00%		96 867		0.00%		1 043		0.00%		0.000	0.000
4/30/2023	2164 510		0.00%		42 295		0.00%		96 867		0.00%		1 043		0.00%		0.000	0.000
		2164.510	65.629%			322.981	9.793%			800.838	24.282%			9.790	0.297%		3298.119	9.000

Flows
KRMA Treatment Facility
January, 2023

Date	PRECIPITA INCHES	PLANT MGD	Kankakee MGD	BOURB. MGD	BradleyFlow MGD	AromaPark MGD
1/1/2023	0.00	10.77	7.11	2.603	1.020	0.034
1/2/2023	0.43	10.30	6.28	2.812	1.178	0.034
1/3/2023	0.04	14.04	8.30	3.930	1.778	0.032
1/4/2023	0.00	14.24	9.07	3.485	1.652	0.034
1/5/2023	0.10	12.97	8.23	3.227	1.479	0.032
1/6/2023	0.00	12.49	8.04	3.063	1.354	0.035
1/7/2023	0.00	12.27	7.96	2.914	1.357	0.035
1/8/2023	0.00	11.95	7.82	2.897	1.397	0.035
1/9/2023	0.00	11.68	7.49	2.983	1.163	0.034
1/10/2023	0.00	11.77	7.74	2.885	1.108	0.032
1/11/2023	0.00	11.44	7.57	2.752	1.088	0.030
1/12/2023	0.00	11.58	7.79	2.698	1.060	0.029
1/13/2023	0.00	11.18	7.52	2.593	1.030	0.031
1/14/2023	0.00	10.92	7.13	2.602	1.154	0.031
1/15/2023	0.00	10.84	7.11	2.576	1.123	0.031
1/16/2023	0.13	11.28	7.20	2.864	1.182	0.031
1/17/2023	0.00	11.46	7.68	2.710	1.038	0.030
1/18/2023	0.65	11.68	7.12	2.960	1.565	0.034
1/19/2023	0.13	16.68	9.19	5.287	2.163	0.039
1/20/2023	0.00	16.92	10.92	4.023	1.939	0.039
1/21/2023	0.00	14.64	9.12	3.618	1.864	0.039
1/22/2023	0.03	13.68	8.39	3.431	1.818	0.039
1/23/2023	0.00	13.23	8.31	3.235	1.651	0.035
1/24/2023	0.13	12.84	8.29	3.165	1.343	0.039
1/25/2023	0.15	13.27	8.53	3.282	1.432	0.026
1/26/2023	0.00	13.49	9.05	3.164	1.240	0.032
1/27/2023	0.00	13.13	8.81	3.097	1.179	0.036
1/28/2023	0.00	12.76	8.29	3.079	1.347	0.036
1/29/2023	0.03	12.43	8.01	2.998	1.378	0.036
1/30/2023	0.00	12.24	8.10	2.991	1.113	0.034
1/31/2023	0.00	12.12	8.05	2.943	1.101	0.029
Total	1.82	390.25	250.05	96.867	42.295	1.043
Average	0.06	12.59	8.07	3.125	1.364	0.034
Minimum	0.00	10.30	6.28	2.576	1.020	0.026
Maximum	0.65	16.92	10.92	5.287	2.163	0.039
# of data	31	31	31	31	31	31