

AGENDA

KANKAKEE RIVER METROPOLITAN AGENCY MEETING

Thursday, August 24, 2023

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. July 27, 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

V. **Old Business**

- A. Bradley Property Update
 - 1. Timeline for Sale of Bradley Property
- B. Republic Services Update
- C. Kimley-Horn/Bradley Report
- D. Administrative Assistant Update

VI. **New Business**

- A. Draft Audit Report
- B. 401(k) Proposal
- C. Consideration to release Closed Session Minutes
- D. Revised Organizational Chart

VII. **Executive Session**

- A. Personnel & Probable or Imminent Litigation
 - 1. Review of closed session minutes

VIII. **Next Meeting**

Thursday, September 28, 2023 (9:00 AM in KRMA Boardroom)

KANKAKEE RIVER METROPOLITAN AGENCY
MINUTES
July 27, 2023 – 9:00 A.M
1600 W Brookmont Blvd.

In attendance:

Board of Directors:

Mayor Christopher Curtis, City of Kankakee
Mayor Paul Schore, Village of Bourbonnais
Mayor Brian Stump, Village of Aroma Park
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, Smith, Koelling, Dykstra & Ohm, P.C

Attorney:

Neal Smith, Robbins Schwartz

KRMA Staff:

Arthur Strother, Superintendent
Dustin Scheppler, Asst. Superintendent, Operations

Other:

Dan Small, Strand Associates
Ryan McGinnis, City of Kankakee
Mayor Watson, Village of Bradley
Terry Memenga, Alternate, Village of Bourbonnais
Tara Latz, Alternate, Village of Bourbonnais

Chairman, Mayor Curtis called the meeting to order

I. **Roll Call**

Roll Call was taken. All Board members were present.

II. **Public Comment**

None

III. **Approval of Board Minutes June 22, 2023 – Regular Board Meeting**

Motion to approve the June 22, 2023, Regular Board Meeting minutes was made by: Dir. Hunter and seconded by Director Romo. Attorney Neal addressed a correction to be made in VII. Executive Session. It should read IL 2 (c)(1), and not IL 2(c)(3). All board members present voted in favor of. Motion Carried.

IV. **Reports**

A. **Operations & Maintenance Report**

Monthly Report

Art presented the MOR. Art asked them to look at the graphs, stating our plant loadings have decreased, because he stopped Newton County 3 weeks ago from bringing loads. Dir Romo asked in the last couple of weeks has the plant been stabilized. Art replied the plant is stable as of now. Art addressed the violation notice we received, stating that KRMA did enter a CCA (Compliance Commitment Agreement), however, we are in compliance with the IEPA. There was discussion and information given about what the CCA consists of and what the next level after a CCA consists of. Dan Smalls also added that having a CCA also helps with your loan score when applying for loans. Art also informed the board that the plant is running well, however, we are still utilizing 80% of our limits. Therefore, we still need to look at how to address this issue because it's unlikely to drop, it's more likely to increase. Although we cut off Newton County, we are still allowing Livingston County which are both with Republic services.

However, Livingston County waste is less strength than Newton County. Chairman Curtis asked will Livingston County turn into Newton County later in the future since Newton County waste use to be weaker. Art replied that they are different designs.

B. **Executive Director Report**

1. **Water, Gas & Electric Use/Cost**

Exec. Dir. Dave Tyson presented the yearly utility usage. All the utilities are down and consistent with last year.

2. **Hauled In Waste Summary**

Exec. Dir. Tyson stated hauled in waste is down this month. Newton County is down because we cut them off this month, which caused a problem with our microorganisms not getting nutrients. However, adjustments were made, and the issue has been addressed. Dir Hunter asked what the process was for addressing this issue with microorganisms. Exec Dir Tyson and Art replied, by creating a balance of old and young microorganisms and process control which is monitored by Dustin our Assistant Superintendent. Exec Dir Tyson reiterated that we are still running at 80% of our capacity, even with cutting off Newton County and CSL pretreating. Exec Dir Dave Tyson stated we are also having a problem with a generator. Dustin explained the issue we're having with the generator. He stated the fuel control valve that's part of the control system fell. He gave the length of time/cost for repair and for a new valve.

3. **Operations Report**

Exec Dir Dave Tyson stated our new O & M Specialist starts August 14, 2023. For our advertisement for Administrative Assistant 57 applicants applied we will interview 5 to 10. Exec Dir Tyson gave an update on the NARP Program, after talking to Wilmington, the testing we are already doing is sufficient, there's no need to enter a contract. If EPA tells us, it's necessary then will bring it back to the board. Chairman Curtis asked the sign at the entrance can be trim. Dustin stated that the weeds that are growing are poison ivy, and he will call someone out to cut and treat.

C. **Financial Report**

1. **Reports**

Karen Benson presented the financial statements, stating why the financials are marked draft. Karen informed the board that she will have a draft of the audit at the next meeting. Karen gave an explanation about the flows and reconciliation and what percentage of usage for every municipal and what the revenue will be based off the flows amount. This year, the board is above 120% required set-a-side, due to the extra hauled in waste revenue and under budget on some expenses. Also, how the large receivable KRMA were carrying have been removed for this year and everyone except for City of Kankakee will be at zero. Therefore, we have been building some reserves, and doing the set-a-side. Statement of Revenue and Expense shows operating revenue is a little higher and that's due to bill timing.

2. **Hauled In Waste Report**

None

3. **Flows Graphs**

Dir Romo reference the flows coming in stating, we only took in 9.43 million of gallons per day, we are design to 25 million of gallon, and we are still struggling with numbers, this states a lot on what's coming in.

D. **Communications**

Chairman Curtis informed the board there was a meeting with City of Kankakee, KRMA, and Kensing regarding Kensing Force-main. They will be installing a new force main. They will start this year from their plant across Kensing Ave and in the Spring they will finish the rest of the connection along the railroad. We hope for better flow of that system. Also, Chairman Curtis informed us of the problem at the dam while trying to install a new generator.

V. **Old Business**

A. **Bradley Property**

None

B. **Security Updates**

Chairman Curtis stated all cameras have been installed and is up and running. Dir Swanson asked if there have been anymore incidents? Art replied, no, non-reported.

C. **Republic Services Update**

Exec Dir Tyson reiterated that we cut Newton County off. If we allow them, there will be limitations set. There was discussion regarding cutting Newton County off. Dir Romo asked why is our TSS so high? Art replied, we have a very low flow right now, therefore, suspended solids are settling out in the collection system. There was more discussion regarding the effects that low flow has to the plant. Dustin confirmed that the BOD is down due to cutting off Newtown County and CSL pretreatment. Exec Dir Tyson stated he still needs CMOM's by July 31, 2023. He stated he has Kankakee's CMOM.

D. **Kimley-Horn/Bradley Report**

Chairman Curtis mention he do agree that City of Kankakee loadings are pushing threshold with the industries. However, on Section 4.2 of the Kimley-Horn Report, although the flow is up, the City of Kankakee is not utilizing over their ownership capacity. Chairman Curtis asked is there two more segments of this report? Dir Romo stated he will touch base with an update.

VI. **New Business**

A. **20-Year Budget Projection including Capital Improvement Estimates**

Karen explained the 20-Year Budget Projection including the Capital Improvement Estimates. Dir Romo communicated the cost of payments that the municipals would have to pay to KRMA in the Fiscal Year 2028-2029 per year. He stated Village of Bradley can't afford to double and/or triple rates toward customers. Therefore, we need to focus on how to keep flows and loads down without having to expand. Dir Romo doesn't feel it will be feasible in four or five years. Chairman Curtis asked Karen, does this 20-year budget includes any type of financial assistance and does it consist of capital improvements and expansion? Karen replied, the 20-year budget includes both the capital improvement and expansion with no financial assistance. Chairman Curtis stated he don't disagree. There's a lot of grant funding that needs to be sought out through the federal government to flow in and assist. Art informed the board that this plant was designed in 1988 for 22 thousand pounds for the population, that number is not going to go down. He stated, going after the industries to drop their loadings, is not going fix the problem, your population growth is going to be the issue. There was more discussion regarding the industries and the community's population growth.

VII. **Executive Session**

A. **Personnel & Probable or Imminent Litigation**

Motion to go into Executive Session to discuss Personnel, and probable or imminent litigation pursuant to Sections 2(c)(1) of the open meetings act, was made by: Dir. Osenga and seconded by: Dir. Swanson. Motion carried.

Roll call was taken, and all Board Members were present.

The Board went into Executive Session to discuss Personnel.

Return to Open Session.

Roll call was taken, and all Board Members were present.

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

VIII. **Next Meeting**

Next Regular Board Meeting- **Thursday, August 24, 2023 (9:00 A.M. at KRMA Board Room)**

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



Providing Wastewater Treatment to the Kankakee River Valley



Monthly Operations Report

July 2023

KRMA's JULY HIGHLIGHTS:

The O&M staff continue to address equipment regarding preventive maintenance throughout the plant with lower flows to plant. KRMA employees who are certified by the Illinois Environmental Protection Agency (IEPA) and hold a certificate of competency to treat wastewater have met the required continuing education units (CEUS) to retain their status and licenses which would have expired as of July 1, 2023.

KRMA management staff met with the city of Kankakee and Kensing Inc. to discuss the replacement of a force-main for the discharge waste from their facility. For KRMA the replacement should be beneficial in the treatment of their discharge waste. KRMA continues to work with Wilmington and other entities on the Nutrient Assessment Reduction Potential (NARP) program, a draft to be submitted to IEPA by December 31, 2023.

The month of July, the Agency had one daily violation of the fecal coliform. This violation was due to a bad sample grab. There was no other violation to the 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)	335.50	205.60	93.258	35.730	0.915
Daily Average Flow (MGD)	10.82	6.63	3.008	1.153	0.030

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	10 mg/l
PH	6-9 SU	6.92 SU
Chlorine Residual	0.05 mg/l	0.021 mg/l
Fecal Coliform	400/100 ml	50/100 ml

ODOR ISSUES:

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

4.0 PERSONNEL

The Agency would like to Congratulate these KRMA employees for July work anniversaries. Thank you all for being such a valuable and loyal member of our team. Your knowledge, hard work and dedication is greatly appreciated.

Shawn Malone, O & M Operator Specialist, 13 years

Melanie Gossett, Assistant Superintendent of Technical Services, 11 years

Tawonda Brown-Davis, Office Coordinator, 4 years

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

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:	1184
Hours of Scheduled Work Orders Performed:	775.7

6.0 SLUDGE HANDLING

Start Date: 07/01/2023
End Date: 07/31/2023

Gallons of sludge produced and sent to thickening:	2,339,713.00
Gallons of sludge put into storage after thickening:	807,000.00
Sludge removed from the plant for land application:	1,750,800.00
Sludge remaining in storage as of January 31 st :	565,000.00

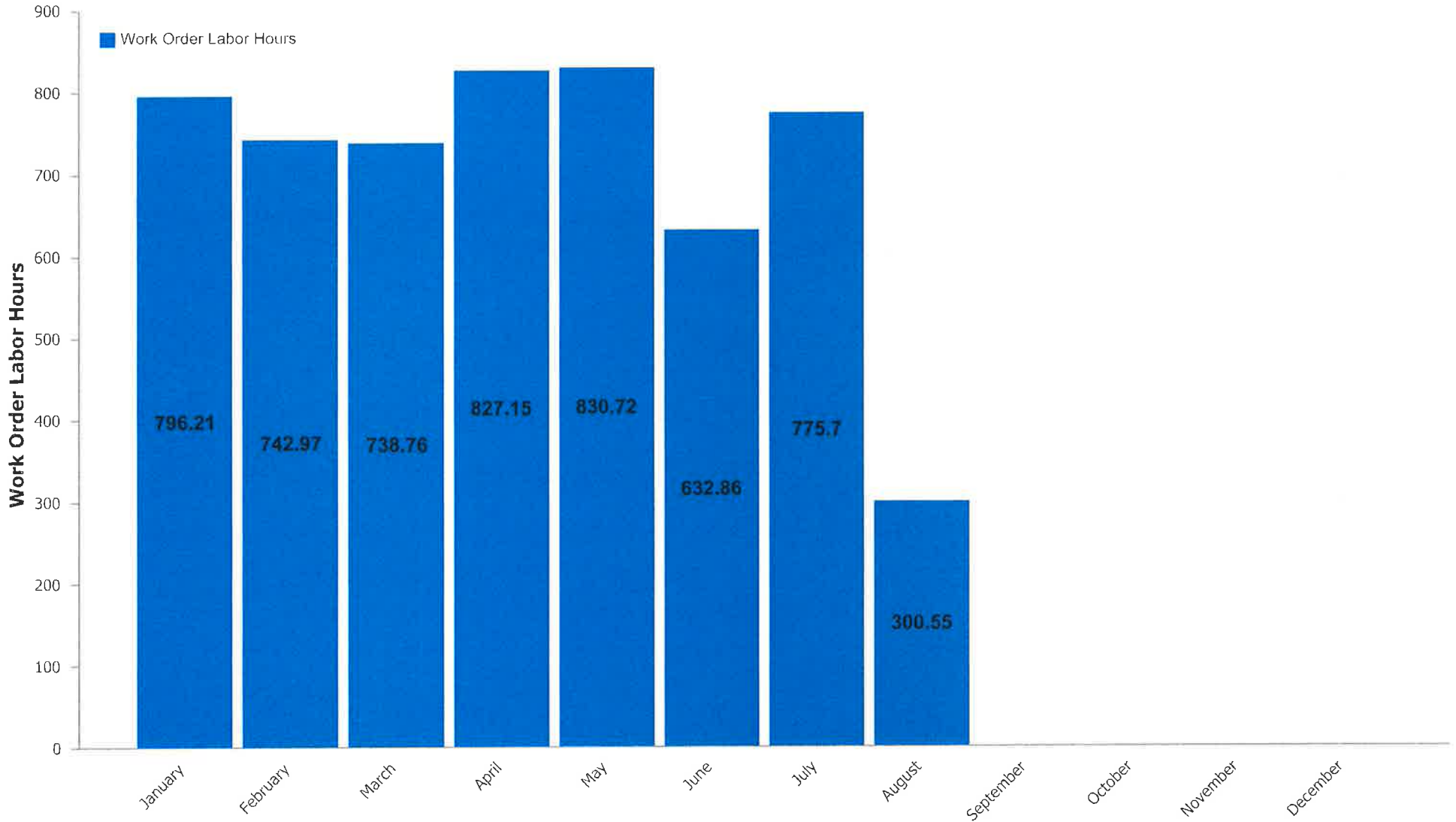
7.0 WATER USAGE

JULY 2023 (28 DAYS): 49,021 CU FT= 366,700 GALS. = \$3,242.38

NUMBER OF DAYS IN THE BILLING CYCLE: 28

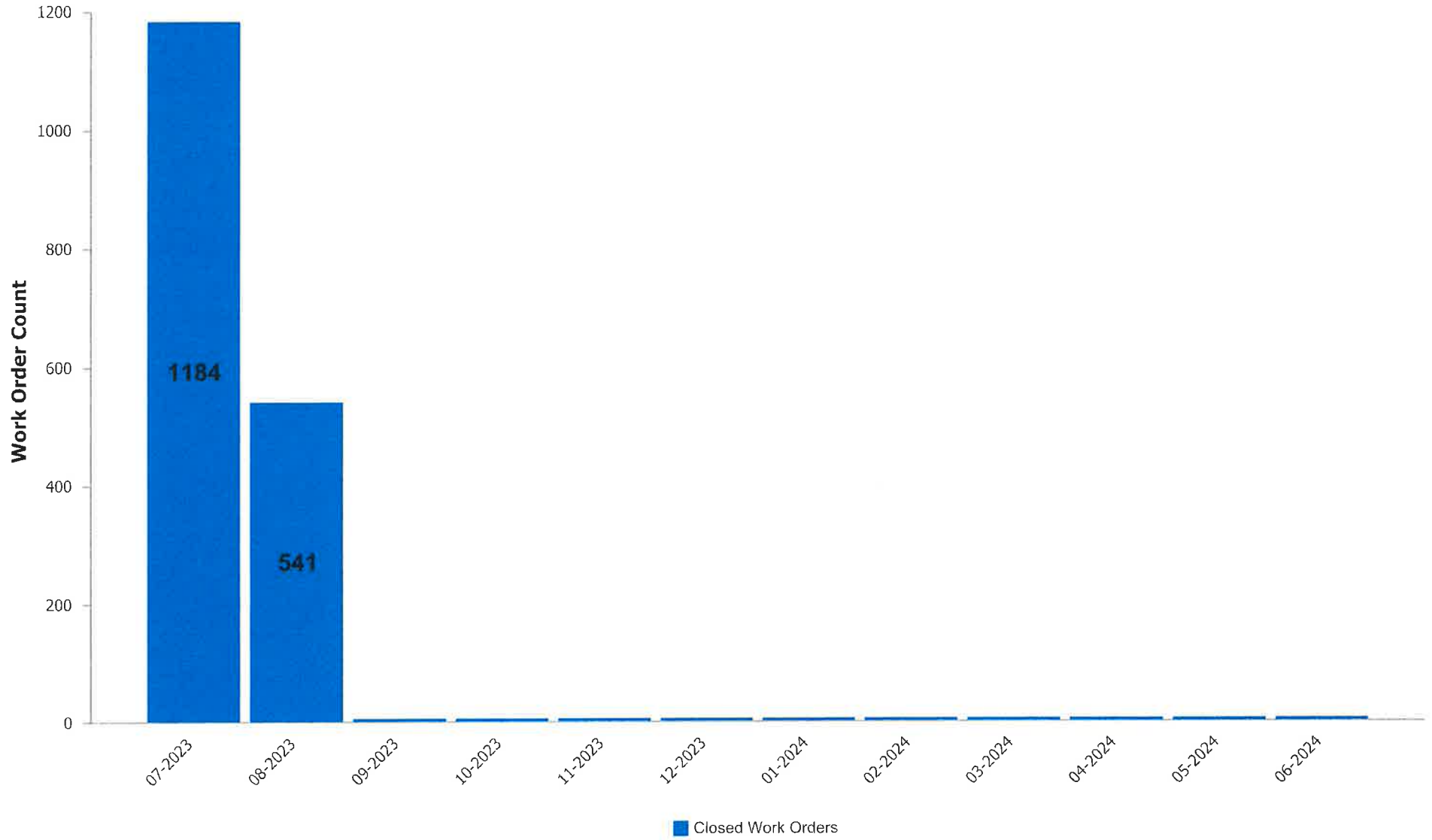
Work Order Labor Hours by Month

2023



Work Orders Closed By Month

From July, 2023 to June, 2024



ATTACHMENT

A

DMR Monthly Report

7/1/2023 to 7/31/2023

Var #	452	159	119	236	454	351	113	237	386
	EFF FLOW	001 Eff pH	FINAL EFF TSS	Weekly ave Eff TSS	EFF TSS	WeeklyAve EffTSS	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
7/1/2023	8.778		11	12	805	829	4	6	293
7/2/2023	11.501		13		1,247		4		384
7/3/2023	12.161	6.81	8		811		5		507
7/4/2023	9.655		8		644		5		403
7/5/2023	9.722		22		1,784		4		324
7/6/2023	10.488	6.90	8		700		5		437
7/7/2023	10.756	6.91	14		1,256				
7/8/2023	12.802		18	13	1,922	1,195	4	5	427
7/9/2023	13.501		9		1,013		3		338
7/10/2023	10.037	6.96	8		670		2		167
7/11/2023	9.635	6.88	9		723		3		241
7/12/2023	12.869	6.98	9		966		3		322
7/13/2023	13.634	6.79	7		796		3		341
7/14/2023	11.493	6.88	9		863				
7/15/2023	14.647		10	9	1,222	893	3	3	366
7/16/2023	15.455		8		1,031		2		258
7/17/2023	11.468	6.64	9		861		4		383
7/18/2023	10.887	6.75	7		636		5		454
7/19/2023	10.362	6.70	8		691		4		346
7/20/2023	9.954	6.88	7		581		4		332
7/21/2023	9.578	6.91	5		399				
7/22/2023	9.756		10	8	814	716	3	4	244
7/23/2023	9.556		8		638		2		159
7/24/2023	10.164	7.00	10		848		4		339
7/25/2023	9.334	6.99	8		623		5		389
7/26/2023	9.235	7.05	10		770		3		231
7/27/2023	9.401	7.08	9		706		5		392
7/28/2023	9.366	7.12	13		1,015				
7/29/2023	10.032		7	9	586	741	2	4	167
7/30/2023	10.041		6		502		2		167
7/31/2023	9.235	7.20	8		616		6		462

Minimum	8.778	6.64	5	8	399	716	2	3	159
Maximum	15.455	7.20	22	13	1,922	1,195	6	6	507
Average	10.823	6.92	10	10	863	875	4	4	329
Sum	335.503	131.43	296	50	26,738	4,374	99	20	8,875

Limit		Range 6-9	25	45	9383	16889	20	40	7506
--------------	--	------------------	-----------	-----------	-------------	--------------	-----------	-----------	-------------

DMR Monthly Report

7/1/2023 to 7/31/2023

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	%
7/1/2023	388			8.78	166	12,153	480	35,140	98
7/2/2023				11.50	109	10,455	510	48,918	96
7/3/2023		0.043	148	12.16	207	20,995	422	42,800	98
7/4/2023				9.66	164	13,206	70	5,637	97
7/5/2023		0.008	16	9.72	206	16,703	684	55,460	98
7/6/2023		0.020	8	10.49	195	17,057	382	33,414	97
7/7/2023		0.027	8	10.76			250	22,426	
7/8/2023	414			12.80	222	23,703	380	40,572	98
7/9/2023				13.50	195	21,957	266	29,951	98
7/10/2023		0.020	22	10.04	179	14,984	206	17,244	99
7/11/2023		0.028	13	9.64	184	14,785	186	14,946	98
7/12/2023		0.022	32	12.87	128	13,738	320	34,345	98
7/13/2023		0.023	28	13.63	144	16,374	180	20,467	98
7/14/2023		0.012	3	11.49			240	23,004	
7/15/2023	296			14.65	163	19,911	266	32,493	98
7/16/2023				15.46	115	14,823	194	25,006	98
7/17/2023		0.034	27	11.47	149	14,251	120	11,477	97
7/18/2023		0.008	548	10.89	254	23,063	210	19,067	98
7/19/2023		0.008	14	10.36	145	12,531	222	19,185	97
7/20/2023		0.018	16	9.95	286	23,743	390	32,376	99
7/21/2023		0.009	7	9.58			266	21,248	
7/22/2023	336			9.76	99	8,055	734	59,722	97
7/23/2023				9.56	93	7,412	590	47,021	98
7/24/2023		0.025	39	10.16	247	20,938	648	54,930	98
7/25/2023		0.023	14	9.33	260	20,240	368	28,647	98
7/26/2023		0.029	17	9.24	214	16,482	522	40,204	99
7/27/2023		0.021	6	9.40	165	12,937	996	78,091	97
7/28/2023		0.024	25	9.37			304	23,746	
7/29/2023	280			10.03	172	14,391	174	14,558	99
7/30/2023				10.04	169	14,152	160	13,399	99
7/31/2023		0.020	8	9.24	114	8,780	244	18,793	95

Minimum	280	0.008	3	8.78	93	7,412	70	5,637	95
Maximum	414	0.043	548	15.46	286	23,743	996	78,091	99
Average	343	0.021	50	10.82	176	15,845	354	31,106	98
Sum	1,714	0.422	999	335.50	4,744	427,816	10,984	964,289	2,640

Limit	15012	0.05	400						
--------------	--------------	-------------	------------	--	--	--	--	--	--

DMR Monthly Report

7/1/2023 to 7/31/2023

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
7/1/2023	98	7.04	7.27	7.16	7.09				
7/2/2023	97	6.70	6.92	6.81		0.05	4.80	0.24	
7/3/2023	98	7.02	7.15	7.09					
7/4/2023	89	6.95	7.09	7.02		0.05	4.03	0.22	
7/5/2023	97	6.87	7.05	6.96		0.05	4.05	0.29	
7/6/2023	98	6.90	7.04	6.97		0.05	4.37	0.28	15.84
7/7/2023	94	6.91	7.08	7.00					
7/8/2023	95	6.54	6.81	6.68	6.93				
7/9/2023	97	6.98	7.18	7.08		0.68	76.00	0.28	
7/10/2023	96	7.03	7.26	7.15		0.39	32.23	0.35	8.90
7/11/2023	95	6.78	7.09	6.94		0.24	19.21	0.49	
7/12/2023	97	6.69	6.98	6.84		0.40	43.15	0.39	
7/13/2023	96	6.78	7.04	6.91		0.21	23.88	0.26	
7/14/2023	96	6.76	7.04	6.90					
7/15/2023	96	6.51	6.80	6.66	6.92				
7/16/2023	96	6.93	7.19	7.06		0.05	6.44	0.19	
7/17/2023	93	7.07	7.35	7.21		0.07	6.69	0.20	9.96
7/18/2023	97	6.72	7.03	6.88		0.49	44.04	0.25	
7/19/2023	96	6.91	6.89	6.90		0.23	19.96	0.23	
7/20/2023	98	6.93	6.97	6.95		1.25	103.77	0.26	
7/21/2023	98	6.89	7.05	6.97					
7/22/2023	99	6.81	6.99	6.90	6.98				
7/23/2023	99	6.86	7.05	6.96		0.24	18.89	0.16	
7/24/2023	98	7.03	7.43	7.23		0.05	4.24	0.16	12.74
7/25/2023	98	6.93	7.35	7.14		0.05	3.89	0.34	
7/26/2023	98	6.95	7.40	7.18		0.05	3.85	0.25	
7/27/2023	99	6.91	7.49	7.20		0.05	3.92	0.27	
7/28/2023	96	6.82	7.20	7.01					
7/29/2023	96	7.05	7.19	7.12	7.12				
7/30/2023	96	7.24	7.31	7.28		0.18	15.07	0.16	
7/31/2023	97	7.20	7.31	7.26		1.77	136.33	0.26	16.56

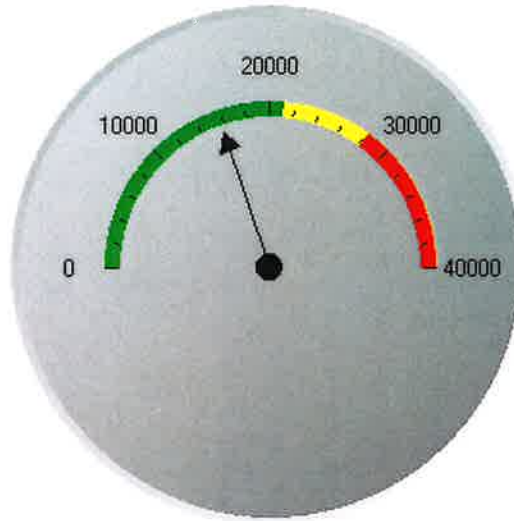
Minimum	89	6.51	6.80	6.66	6.92	0.05	3.85	0.16	8.90
Maximum	99	7.24	7.49	7.28	7.12	1.77	136.33	0.49	16.56
Average		6.89	7.13	7.01	7.01	0.31	27.56	0.26	12.80
Sum	2,993	213.71	221.00	217.36	35.05	6.58	578.80	5.50	64.00

Limit				min >5.0	>6.25	8.3	3115		
--------------	--	--	--	--------------------	-----------------	------------	-------------	--	--

Influent BOD loading Lbs - Monthly AVG

15,845 Lbs./Day

07/01/2023 - 07/31/2023



0 to 21150 - Target Loading
21150 to 28200 - Above 75% Threshold
Above 28200

Influent NH3 loading Lbs - Monthly AVG

1,911 Lbs./Day

07/01/2023 - 07/31/2023

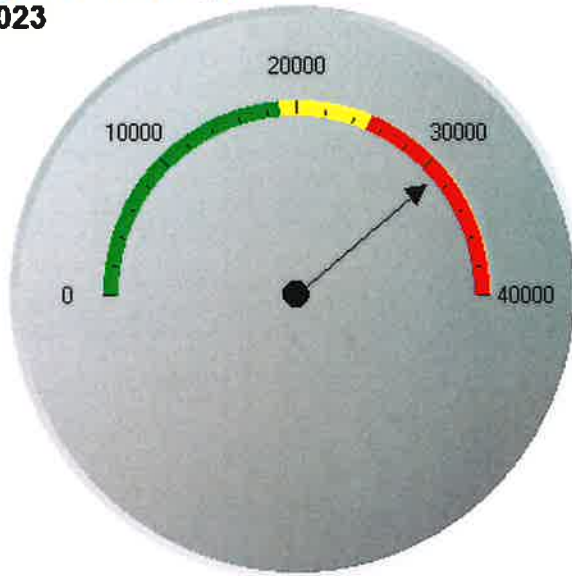


0 to 1500 - Target Loading
1500 to 2000 - Above 75% Threshold
Above 2000

Influent TSS loading Lbs - Monthly AVG

31,106 Lbs./Day

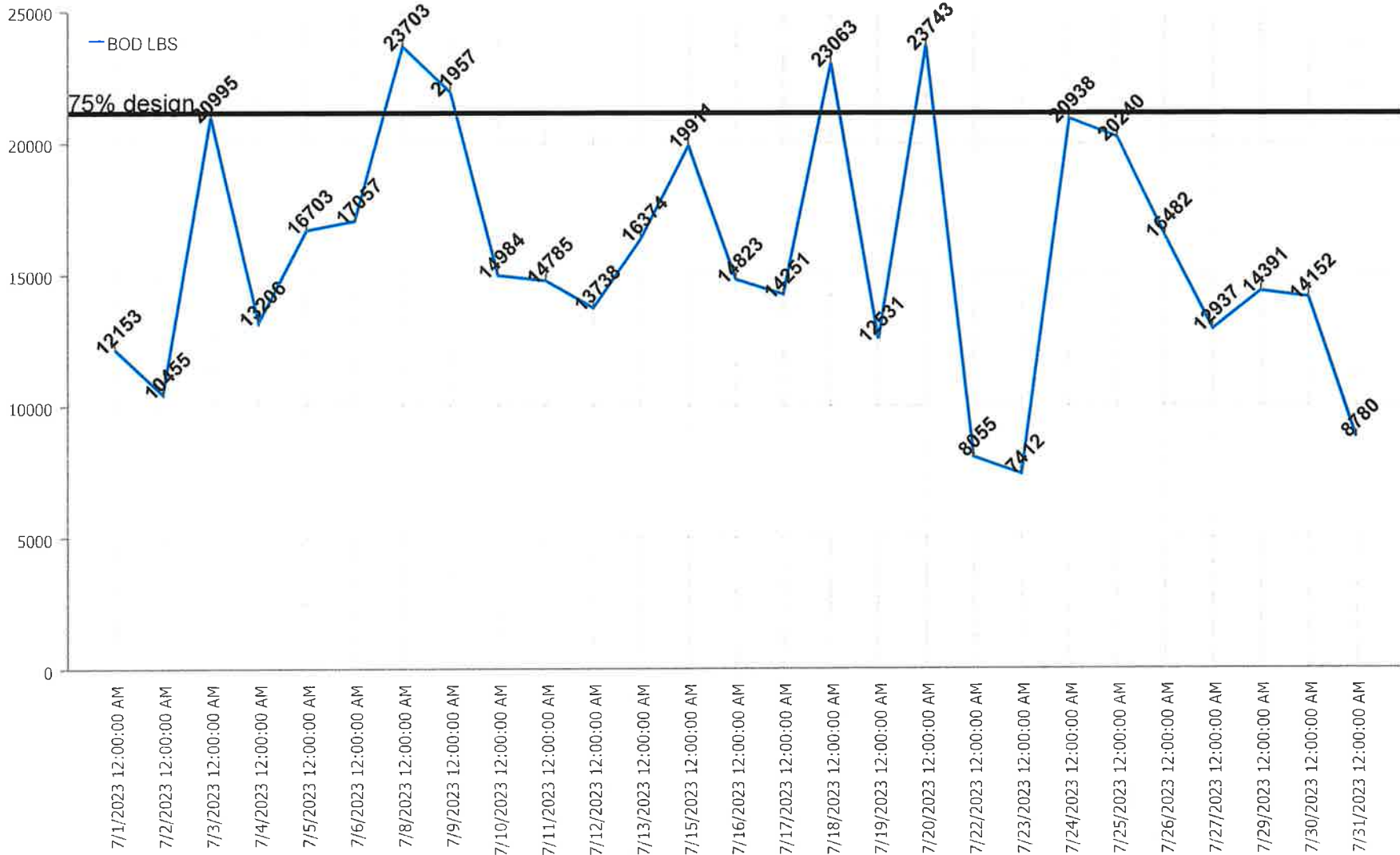
07/01/2023 - 07/31/2023



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

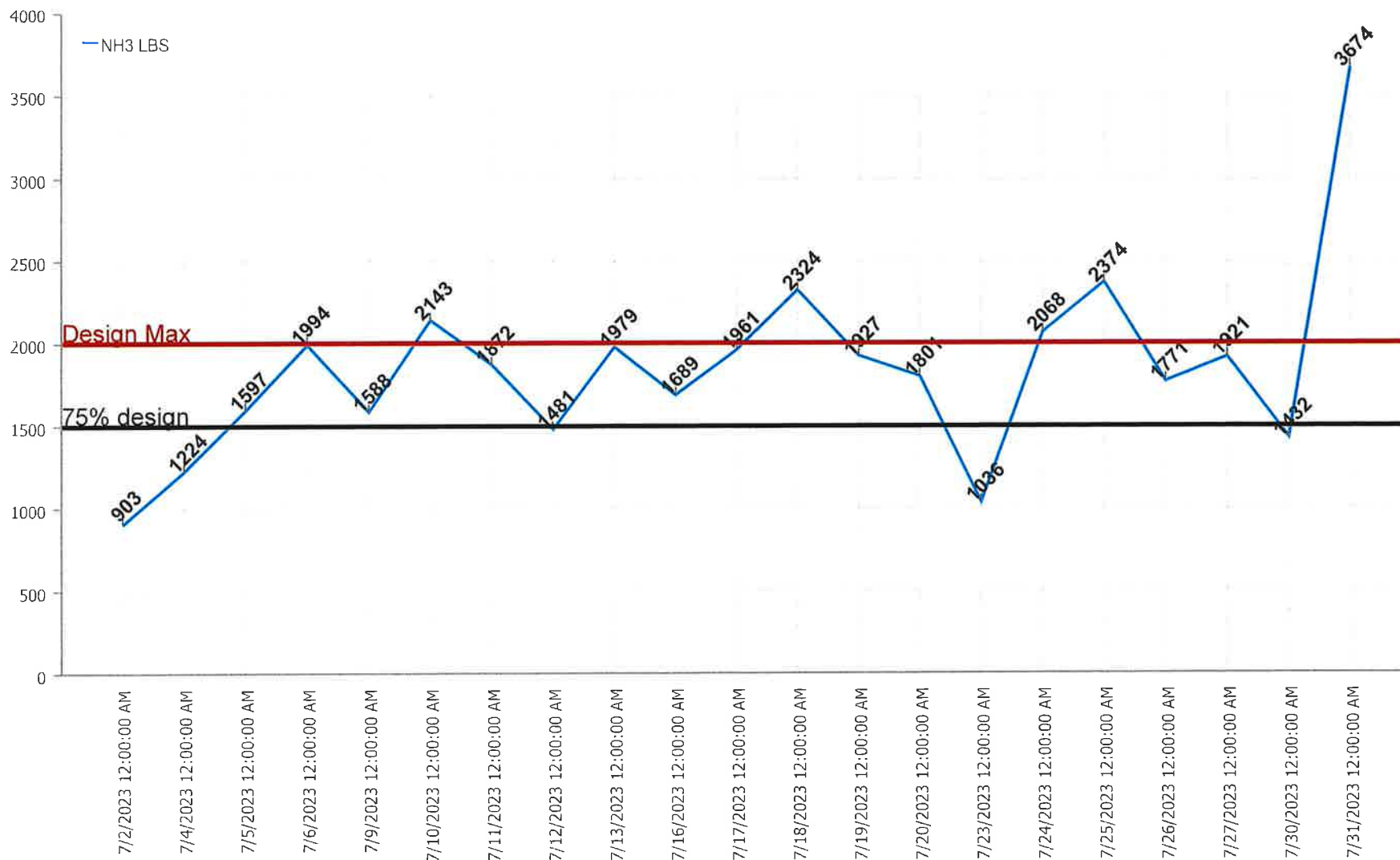
KRMA influent BOD pounds

Average Lbs. BOD: 15,845.15



KRMA influent NH3 pounds

Average Lbs. NH3: 1,845.67



ATTACHMENT

B

ATTACHMENT

C



SAFETY MEETING
August 17, 2023
9:30am & 1:30pm
Agenda

I. Safety Minutes

Review minutes from July 2023.

II. Old Business

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

III. New Business

A. Safety Training

Blood Borne Pathogens IPRF #3339

B. Safety Concerns

C. Safety Team Leader Report

D. Open Discussion

1. Emergency response drill update
2. New O&M Specialist
3. Administrative Assistant

Next Meeting: Thursday, September 14, 2023 9:30am & 1:30pm



SAFETY MEETING
July 11, 2023
1:15pm
Minutes

In attendance:

Melanie Gossett, Facilitator

Shaun Ownbey	Jack Renchen	Dan Combs	Shawn Malone
Nick Scheppler	Jim Churney	Ron Haney	Mike Gowler
Bryan Kennedy	Josh Peters	John Lund	Max Gossett
Mike Arseneau	Nick Tucker	Alex Bowser	RJ Tyson
Dustin Scheppler	Robert Billings	Owen Serafini-Duex	

Dave Tyson

Absent:

I. Safety Minutes

Reviewed minutes from June 2023 - Approved

II. Old Business

There were no lost time accidents for the month of June 2023

III. New Business

A. Safety Training

1. The mandatory State of Illinois- IDHR Sexual Harassment Prevention model training program presentation was given.
2. All attendees completed the final quiz.
3. All attendees were reminded that they can also report a violation to the City of Kankakee HR department in addition to their management team and the state organizations listed.

B. Safety Concerns

No concerns mentioned at this time.

C. Safety Team Report

No concerns mentioned at this time.

D. Open Discussion

1. As required by the CBA, members were asked if they would like a presentation from the current short-term & long-term providers (HomeStar Insurance).
 - ✓ No presentation necessary. Members did request group email enrollment reminder.
2. New AED units have been installed. The operation is automatic like the former units.
3. KRMA is currently hiring an Administrative Assistant.

Next Meeting:

~~Thursday, August 10, 2023~~
Rescheduled to Thursday, August 17, 2023
9:30am & 1:30pm

ATTACHMENT

D

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: KANKAKEE

FLOW METER MODEL: Siemens Hydro Ranger #2

INFLUENT August 11th, 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

C) Actual Flow 11.44 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: 8/11/2023

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 August 11th, 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 24.054

LEVEL AFTER: 24.126"

D) Actual level 1.664" 2020 GPM

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 Scheppeler

DATE: 8/11/2023

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 August 11th, 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? 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 40" As found 39.840"

LEVEL AFTER: 39.840"

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: 8/11/2023

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 August 11th, 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 19.93 MGD

LEVEL AFTER: 19.99 MGD

C) Actual Flow 11.44 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: 8/11/23

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: BRADLEY/ RIVER DRIVE

FLOW METER MODEL: Isco Signature

INFLUENT August 11th, 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 8.992"

LEVEL AFTER: 8.992"

C) Actual Level 3.389" .073 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: 8/11/2023

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 August 11th, 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?

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 16.0" As found 16.030"

LEVEL AFTER: 16.030"

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: 8/11/2023

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/BROOKMONT

FLOW METER MODEL: ISCO Signature

INFLUENT August 11th, 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? 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 24.125" Level 24.117

LEVEL AFTER: 24.125"

C) Actual Level 2.731 45.20 GPM

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 8/11/2023

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

ATTACHMENT

E

July 2023 Monthly Pretreatment Sample Analysis (metals, cyanide & VOA) for the permitted industries were a total of **47 samples** and a total of **285 analyses**.

Gilster-Mary Lee Corporation	1 Sample
Hoffman Transportation, LLC	6 Samples
Kankakee Recycling & Disposal Facility	1 Sample
Liberty Landfill, LLC	9 Samples
Livingston Landfill	6 Samples
Natural Gas & Pipeline Co. of America	4 Samples
Prairie View RDF	8 Samples
Tank Cleaning Solutions, LLC	12 Samples

Volumes Received for July 2023 for trucked-in industries.

Gilster-Mary Lee Corporation	6,000 gals	1 load
Hoffman Transportation, LLC	130,000 gals	26 loads
Kankakee Recycling & Disposal Facility	7,000 gals	1 load
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	696,445 gals	104 loads
Livingston Landfill	129,270 gals	20 loads
Momence Packing	0 gals	0 loads
Natural Gas & Pipeline Co. of America	55,000 gals	11 loads
Newton County Landfill	0 gals	0 loads
Peoria Packing Co.	0 gals	0 loads
Prairie View - Will County RNG Plant	0 gals	0 loads
Prairie View RDF	174,189 gals	27 loads
Tank Cleaning Solutions, LLC	204,243 gals	39 loads
Verdant Specialty Solutions US LLC	0 gals	0 loads
Zutat Feed Solutions	0 gals	0 loads
Totals:	1,402,147 gals	229 loads

The KRMA Facility received a total of **209 loads** of septage which totalled **687,200 gallons** for the month of July 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	814,907	33	\$ 28,536	\$ 865	-	157,319	657,588	1,029	\$ 0.0350	281,400	29	\$ 2,334	9,703	80
FEBRUARY	813,209	30	\$ 28,607	\$ 954	-	149,689	663,520	1,129	\$ 0.0352	237,600	28	\$ 2,190	8,486	78
MARCH	828,155	30	\$ 27,102	\$ 903	-	207,461	620,694	1,150	\$ 0.0327	284,500	33	\$ 2,686	8,621	81
APRIL	779,763	30	\$ 44,543	\$ 1,485	-	186,199	593,564	1,083	\$ 0.0571	247,400	28	\$ 2,434	8,836	87
MAY	715,001	29	\$ 43,938	\$ 1,515	-	207,749	507,252	1,027	\$ 0.0615	362,700	31	\$ 3,215	11,700	104
JUNE	725,435	33	\$ 47,234	\$ 1,431	-	182,334	543,101	916	\$ 0.0651	331,400	33	\$ 3,003	10,042	91
JULY	608,823	31	\$ 49,423	\$ 1,594	-	32,938	575,885	818	\$ 0.0812	366,700	28	\$ 3,242	13,096	116
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	5,285,293	216	\$ 269,382	#DIV/0!	0	1,123,689	4,161,604	#DIV/0!	#DIV/0!	2,111,700	210	\$ 19,105	#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	47,361	32	\$ 30,829	1480	\$ 963
MARCH	28,740	29	\$ 25,312	991	\$ 873
APRIL	28,404	30	\$ 18,677	947	\$ 623
MAY	22,356	31	\$ 14,880	721	\$ 480
JUNE	12,325	30	\$ 8,403	411	\$ 280
JULY	10,205	30	\$ 2,203	340	\$ 73
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	191,342	214	\$ 128,841	#DIV/0!	#DIV/0!
	Therms	Days	Total Cost \$/Billing Period	Therms/Day	Total Cost \$/day



Annual Load / Gallon Totals

IV-B-2

2023

Month Received	Gilster-Mary Lee Corporation	Hoffman Transportation, LLC	Kankakee Recycling & Disposal Facility	Laraway Recycling & Disposal Facility	Liberty Landfill, LLC	Livingston Landfill	Natural Gas & Pipeline Co. of America	Newton County Landfill	Prairie View RDF	Tank Cleaning Solutions, LLC	Verdant Specialty Solutions US LLC	Zutat Feed Solutions	Total	# Loads
January	40,000	150,000	21,000		1,153,315	200,568	50,000	802,409	205,948	204,684	32,941	24,000	2,884,865	457
February	42,000	155,000	84,000		815,342	147,452	80,000	499,119	209,033	214,389	66,587		2,312,922	374
March	24,000	163,000	77,000	31,151	947,972	171,549	130,000	494,982	244,828	209,480			2,493,962	402
April	16,000	160,000	98,000	90,004	973,052	167,651	55,000	538,632	285,477	178,058			2,561,674	403
May	24,000	140,000	42,000	94,243	1,143,477	153,374	15,000	117,933	487,654	209,480			2,427,101	383
June		160,000	21,000	5,647	874,891	139,778	5,000	179,466	366,123	193,769			1,935,674	307
July	6,000	130,000	7,000		696,445	129,270	55,000		174,189	204,243			1,402,147	228
August														
September														
October														
November														
December														
Totals	152,000	1,058,000	350,000	221,045	6,604,494	1,199,642	390,000	2,632,541	1,973,262	1,414,103	99,528	24,000	16,455,465	2,624
Average	21,714	151,143	50,000	55,261	855,547	158,520	55,714	438,757	281,893	202,015	49,764	24,000	2,289,801	365
Treatment Costs as of 05/01/23	0.09	0.062	0.062	0.062	0.062	0.062	0.09	0.1	0.062	0.09	0.145	0.086		
Treatment Costs as of 05/01/22	0.086	0.059	0.059	0.059	0.059	0.059	0.086	0.08	0.059	0.086	0.138	0.082		



Monthly TSS/BOD Loading Report

July, 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	6,000	14	135
Hoffman Transportation, LLC	130,000	73	1,136
Kankakee Recycling & Disposal Facility	7,000	1	48
Lake County C&D Landfill	0	0	0
Laraway Recycling & Disposal Facility	0	0	0
Liberty 3 LFGTE Plant - Wabash Valley Pov0		0	0
Liberty Landfill, LLC	696,445	890	10,960
Livingston Landfill	129,270	929	5,352
Momence Packing	0	0	0
Natural Gas & Pipeline Co. of America	55,000	12	77
Newton County Landfill	0	0	0
Peoria Packing Co.	0	0	0
Prairie View - Will County RNG Plant	0	0	0
Prairie View RDF	174,189	78	1,942
Tank Cleaning Solutions, LLC	204,243	193	2,521
Verdant Specialty Solutions US LLC	0	0	0
Zutat Feed Solutions	0	0	0
Totals:	1,402,147	2,191	22,171

KRMA Flows Report

	Kankakee Flows				Bradley Flows				Bourbonnais Flows				Aroma Park Flows				TOTALS	TOTALS
	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 %		
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	89 232	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%	427 689	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 900	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 760	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	2416 300	251 790	59.61%	65.55%	51 947	51 947	12.30%	10.86%	117 385	117 385	27.79%	23.29%	1 262	1 262	0.30%	0.30%	422 384	1 000
3/31/2023	2808 030	391 730	60.21%	65.55%	89 485	89 485	13.75%	10.86%	167 099	167 099	25.68%	23.29%	2 277	2 277	0.35%	0.30%	650 591	1 000
4/30/2023	3098 910	290 880	64.32%	65.55%	143 995	54 510	12.05%	10.86%	272 361	105 262	23.27%	23.29%	3 892	1 615	0.36%	0.30%	452 267	1 000
		3,098,910	64.248%			518,923	10.759%			1,190,584	24.684%			14,944	0.310%		4,823,361	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
5/31/2023	241 200	241 200	63.06%	64.25%	42 940	42 940	11.23%	10.76%	97 296	97 296	25.44%	24.68%	1 078	1 078	0.28%	0.31%	382 514	1 000
6/30/2023	429 120	187 920	66.42%	64.25%	27 600	27 600	9.76%	10.76%	66 500	66 500	23.50%	24.68%	0 910	0 910	0.32%	0.31%	282 930	1 000
7/31/2023	634 720	205 600	61.28%	64.25%	35 730	35 730	10.65%	10.76%	93 260	93 260	27.80%	24.68%	0 920	0 920	0.27%	0.31%	335 510	1 000
8/31/2023	634 720		0.00%	64.25%	0 000		0.00%	10.76%	0 000		0.00%	24.68%	0 000		0.00%	0.31%	0 000	0 000
9/30/2023	634 720		0.00%	64.25%	0 000		0.00%	10.76%	0 000		0.00%	24.68%	0 000		0.00%	0.31%	0 000	0 000
10/31/2023	634 720		0.00%	64.25%	0 000		0.00%	10.76%	0 000		0.00%	24.68%	0 000		0.00%	0.31%	0 000	0 000
11/30/2023	634 720		0.00%	64.25%	0 000		0.00%	10.76%	0 000		0.00%	24.68%	0 000		0.00%	0.31%	0 000	0 000
12/31/2023	634 720		0.00%	64.25%	0 000		0.00%	10.76%	0 000		0.00%	24.68%	0 000		0.00%	0.31%	0 000	0 000
1/31/2024	634 720		0.00%	64.25%	0 000		0.00%	10.76%	0 000		0.00%	24.68%	0 000		0.00%	0.31%	0 000	0 000
2/29/2024	634 720		0.00%	64.25%	0 000		0.00%	10.76%	0 000		0.00%	24.68%	0 000		0.00%	0.31%	0 000	0 000
3/31/2024	634 720		0.00%	64.25%	0 000		0.00%	10.76%	0 000		0.00%	24.68%	0 000		0.00%	0.31%	0 000	0 000
4/30/2024	634 720		0.00%	64.25%	0 000		0.00%	10.76%	0 000		0.00%	24.68%	0 000		0.00%	0.31%	0 000	0 000
		634 720	63.412%			106 270	10.617%			257 056	25.681%			2 908	0.291%		1,000,954	3,000

Flows
KRMA Treatment Facility
July, 2023

Date	PRECIPITA INCHES	PLANT MGD	Kankakee MGD	BOURB. MGD	BradleyFlow MGD	AromaPark MGD
7/1/2023	.00	8.78	5.46	2.33	.96	.03
7/2/2023	1.25	11.50	5.89	4.30	1.28	.03
7/3/2023	.00	12.16	8.24	2.89	1.00	.03
7/4/2023	.00	9.66	6.11	2.49	1.03	.03
7/5/2023	.70	9.72	5.42	2.91	1.36	.03
7/6/2023	.00	10.49	5.77	3.26	1.43	.03
7/7/2023	.90	10.76	7.02	2.67	1.03	.03
7/8/2023	.00	12.80	7.36	4.13	1.28	.03
7/9/2023	.00	13.50	9.14	3.05	1.28	.03
7/10/2023	.00	10.04	5.96	2.78	1.27	.03
7/11/2023	.00	9.64	5.73	2.71	1.17	.03
7/12/2023	.94	12.87	7.55	4.22	1.06	.04
7/13/2023	.00	13.63	7.95	3.40	2.25	.03
7/14/2023	.00	11.49	7.40	3.00	1.06	.04
7/15/2023	1.00	14.65	7.77	5.18	1.66	.04
7/16/2023	.00	15.46	10.15	3.61	1.66	.04
7/17/2023	.00	11.47	6.66	3.14	1.65	.02
7/18/2023	.00	10.89	6.65	2.86	1.35	.03
7/19/2023	.00	10.36	6.70	2.74	.89	.03
7/20/2023	.00	9.95	6.37	2.64	.92	.03
7/21/2023	.00	9.58	6.07	2.56	.91	.03
7/22/2023	.00	9.76	6.34	2.50	.88	.03
7/23/2023	.60	9.56	5.79	2.80	.93	.03
7/24/2023	.00	10.16	6.55	2.58	1.01	.03
7/25/2023	.00	9.33	5.94	2.43	.94	.03
7/26/2023	.00	9.24	5.94	2.41	.86	.03
7/27/2023	.00	9.40	6.07	2.39	.92	.03
7/28/2023	.00	9.37	5.48	2.95	.91	.03
7/29/2023	.52	10.03	5.88	3.13	1.00	.03
7/30/2023	.00	10.04	6.47	2.69	.86	.03
7/31/2023	.00	9.24	5.77	2.52	.92	.03
Total	5.91	335.50	205.60	93.26	35.73	.92
Average	.19	10.82	6.63	3.01	1.15	.03
Minimum	.00	8.78	5.42	2.33	.86	.02
Maximum	1.25	15.46	10.15	5.18	2.25	.04
# of data	31.00	31.00	31.00	31.00	31.00	31.00