

AGENDA

KANKAKEE RIVER METROPOLITAN AGENCY MEETING

Thursday, July 27, 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. June 22, 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
 - B. Security Updates
 - C. Republic Services Update
 - D. Kimley-Horn/Bradley Report
- VI. **New Business**
 - A. 20-Year Budget Projection including Capital Improvement Estimates
- VII. **Executive Session**
 - A. Personnel & Probable or Imminent Litigation
- VIII. **Next Meeting**

Thursday, August 24, 2023 (9:00 AM in KRMA Boardroom)

KANKAKEE RIVER METROPOLITAN AGENCY
MINUTES
June 22, 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
Alternate Terry Memenga, Director of Public Works, Village of Bourbonnais

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 Technical Services
Dustin Schepler, Asst. Superintendent Operation & Maintenance

Other:

Ryan McGinnis, City of Kankakee
Dan Small, Strand Associates
Elizabeth Kubal, City of Kankakee
Mayor Michael Watson, Village of Bradley
Peter Stoehr, Kimley-Horn
Uma Vempati, Kimley-Horn

Chairman, Mayor Christopher Curtis called the meeting to order. Also stated that KRMA have received a letter from the Village of Bourbonnais, electing Terry Memenga, Director of Public Works as a Board Alternate.

I. **Roll Call**

Roll Call was taken. All Board members were present except Vice Chairman Mayor Paul Schore and Secretary Mayor Brian Stump. Alternate Terry Memenga, Director of Public Works, Village of Bourbonnais, sitting in for Mayor Paul Schore for deciding vote.

II. **Public Comment**

None

III. **Approval of Board Minutes May 25, 2023 - Regular Board Meeting**

Motion to approve the May 25, 2023, Regular Board Meeting minutes was made by: Dir Hunter and seconded by Dir Romo. Board members Alternate Terry Memenga, Dir Hunter, Dir Swanson, Dir Romo and Chairman Curtis voted in favor of, Dir Larry Osenga voted abstained, and Vice Chairman Paul Schore, and Dir Brian Stump absent. Motion Carried.

Alternate Mayor Watson joined the room.

IV. **Reports**

A. **Operations & Maintenance Report**

1. **Monthly Report**

Art presented the MOR referencing Attachment A graphs for data to show how the plant is running. Art stated we are in compliance with our NPDES Permit from the State of Illinois. However, we did receive a violation for the month February and March 2023 for exceeding our permitted limit for TSS (Total Suspended Solids). He informed the board he has responded and doesn't feel that a CCA (Compliance Commitment Agreement) is needed due to the fact we are back into compliance with our NPDES Permit. Dir Romo asked, was the violation due to the filamentous bacteria? Dir Hunter asked Art, is his response to the IEPA satisfactory? Chairman Curtis ask what do the CCA involves? Art responded yes to both Dir Romo and Dir Hunter. Art also explained to them how rain affects the plant due to the higher flow, and what the CCA will inquire. Since our Project Plan has been sent and received by the IEPA which will also address these issues, therefore, it's no need to complete a CCA. Dir Romo asked questions about the NH3 Graph? Art responded, Newton County as well as CSL NH3 has cut down their number of loads. Dir Hunter gave some background of our summer help employees. Art also gave accolades on how well they are doing. Chairman Curtis asked how do the lack of rain affects KRMA? Art stated due to the heavy rain in February and March the low rain is helping the plant at this moment. Dir Hunter asked how many violations we received in the last 2 years? Art replied approximately 4 or 5. He followed through by stating, we've been tracking these events and they are happening during the first quarter of the year.

B. **Executive Director Report**

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

Exec. Dir. Dave Tyson presented the yearly utility usage. Exec Dir Tyson stated the water usage is up a little and all other utilities are running normally within budget.

2. **Hauled In Waste Summary**

Exec. Dir. Tyson stated Newton County hauled in waste has decreased, Liberty increased, and Prairie View increased last month. Dir Romo asked questions about the charging process and Chairman Curtis asked about the strength of Prairie View? Exec Dir Tyson stated that the charge process is different base off their strength, and Prairie View strength is low. Melanie also informed the board to reference HIW Summary for pricing for each Hauler.

2. **Operations Report**

Exec Dir Tyson updated the board about the new vehicles received, Aqua storing equipment on our property, Art taking care of the violation from IEPA, and on the hiring process of O& M's. Exec Dir Tyson stated we are down 2 O&M's. We received twenty-six applicants, only seventeen showed up for the test date, and only four passed. There will be interviews set up for the four candidates that passed within the next 2 weeks. Dir Hunter asked, out of the four candidates are there any diversity? Exec Dir Tyson and Art stated they don't think so. Exec Dir Tyson then gave praises to the Summer Helpers. He informed the Board that we will be advertising an Administrator Assistant position, Suzy has found another job and her last day is Friday, June 23, 2023. He also stated, the Request for Funding letter has been signed and sent out to all our Representatives and Senators. Exec Dir Tyson also reminded the municipalities that the CMOM checklist is due by the middle of July 2023. He also informed everyone that the Project Report has been received and approved by the IEPA and we have been given a login number. Lastly, he stated that Kensing is replacing their force main. There was discussion regarding Kensing being in compliance with IEPA. Ryan gave a brief update on the Kensing force's main progress. Dir Romo was inquiring will KRMA be eligible for these grants and loans since the Village of Bourbonnais sold all but less than 100ft of their sewer system to Aqua. Exec Dir Tyson stated he believes we are okay, because the village of Bourbonnais is still the legal

owner of KRMA. Dan added since KRMA is the permittee, owner, and operator we will still be eligible.

C. **Financial Report**

1. **Reports**

Karen Benson presented the monthly financial reports. The Statement of Net Position slowly building cash reserve. Statement of Revenue and Expenses, there are some adjustments due to moving some expenses to the prior fiscal year. The purchase of the new copier and computers has made us overbudget under the Administrative Office and IT.

2. **Hauled In Waste Report**

None

3. **Flows Graphs**

Karen presented Flow Graphs. Karen stated the flow estimation percentage is the prior year average of flows. Dir Romo asked Karen if she could present the financial projections with the hundred and thirty million 20-year budget projection.

D. **Communications**

1. **Step Challenge**

Exec Dir Tyson stated that Melanie organized this, Melanie gave a brief description of what the step challenge entailed along with the daily, weekly, ending goals, and an overall winner of the step challenge. She announces that O & M Operator Dan Combs won the Step Challenge with 1,118,080 steps. Exec Dir Tyson informed everyone that this step challenge decreased our fuel consumption. Therefore, we will be hosting a pizza party on July 11 at Noon, and he invited the board to attend.

V. **Old Business**

A. **Bradley Property**

None

B. **Security Updates**

Chairman Curtis stated we installed four cameras on the property of KRMA. Cameras are up and running and live, however, they only store for 30 days. Art addressed locking buildings on the property and Exec Dir Tyson he talked to Ruder about keyless entry.

VI. **New Business**

A. **Kimley-Horn Report Presentation**

Dir Romo introduced the consultants Peter Stoehr, and Uma Vempati from Kimley-Horn. Dir Romo stated they are conducting a study for the Village of Bradley on the capacity expansion and share cost for Village of Bradley. Peter gave a brief overview of their Phase 1: Evaluation of Agreements and Practices saying these are recommendations to the Village of Bradley on how they should approach this project plan and how some existing and future practices can be improved. Peter gave the analysis and his recommendation on the Board Composition/Agency Governance, Personal Contracted Services, Cost/Capacity Allocation Among Members and Pretreatment Program. Dir Romo stated that one municipal should not have majority of decision. This is not best practice and it's not typical how intergovernmental agreements should work. Dir Hunter asked question about 2.3 in the report and asked for some, "specificities of actual instances to conflicts and inequities." Dir Romo responded and there was discussion on the instances that were mentioned.

Vice Chairman Mayor Paul Schore joined the meeting.

There was statements and discussion regarding the laboratory, the SIU's, on whether we continue to accept their loadings or stop, where they dump their loadings and the affect it has on the sewer lines, and the charge fee, the way the percentage of revenue being distributed, capacity/pricing regarding loading and flows and changes to the pretreatment program. There was discussion regarding Kimley-Horn's analysis and recommendation throughout the presentation on facts that they were unaware of and clarifications of different issues of which they were not aware. Kimley-Horn also gave insight into some

things that would need more discussion and further gathering of information. Dir Romo stated there will be a Phase 2 and 3 with more information.

B. Amendment No 3 to the September 29, 2021, Agreement for General Services Capacity Expansion Project Plan

Motion to authorize Executive Director Tyson to execute the agreement with Strand Associates from Amendment No 3 to the reference Agreement to the September 29, 2021, was made by Dir Hunter and seconded by Dir Romo. All board members present voted in favor of, Dir Brian Stump absent. Motion carried

VII. Executive Session

A. Personnel & Probable or Imminent Litigation

Motion to go into Executive Session to discuss Personnel under IL 2(c)(3) was made by Dir Hunter and seconded by Dir Romo. Motion carried.

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

Vice Chairman Mayor Paul Schore took seat in Executive Session.

The Board went into Executive Session.

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

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

Return to Open Session.

Dir Robert Romo left the meeting.

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

VIII. Next Meeting

Next Regular Board Meeting- Thursday, July 27, 2023 (9:00 A.M. at KRMA Board Room)

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



Providing Wastewater Treatment to the Kankakee River Valley

EDUCATE - ACTIVATE - CELEBRATE



Monthly Operations Report

June 2023

KRMA's MAY HIGHLIGHTS:

The month of June the plant was affected by low flows. The average flow to the plant for the month of June was 9.43 MGD. The staff made several changes to the treatment plant to address the low flow for the month of June.

During the summer months, Industries will have shut-down periods for maintenance and to address other procedural concerns. While they are addressing their issues, KRMA plant takes a hit, due to lower loadings.

Although experiencing low flow and lower loadings at the same time do raise concerns, because of the effects it will have on our microorganisms, therefore, adjustment is necessary to retain our parameter for proper treatment.

The management staff continue to meet with the Kankakee River NARP Stakeholders to address the effects of nutrient release to the river and eutrophication which can cause deficiency in oxygen. The management staff continue to work with Strand on the Project Plan.

The month of June, the Agency had no violation of 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)	282.92	187.92	66.495	27.600	0.905
Daily Average Flow (MGD)	9.43	6.26	2.217	0.920	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	5 mg/l
Total Suspended Solids (TSS) - Monthly Average	25 mg/l	11 mg/l
PH	6-9 SU	7.06 SU
Chlorine Residual	0.05 mg/l	0.016 mg/l
Fecal Coliform	400/100 ml	9/100 ml

ODOR ISSUES:

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

4.0 PERSONNEL

The Agency would like to Congratulate these KRMA employees for June 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.

Ronald Haney, O & M Operator Specialist, 10 years

Joshua Peters, EIC Operator Specialist, 6 years

Michael Arseneau, O & M Operator Specialist, 4 years

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

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:	1144
Hours of Scheduled Work Orders Performed:	604.11

6.0 SLUDGE HANDLING

Start Date: 06/01/2023
End Date: 06/30/2023

Gallons of sludge produced and sent to thickening:	2,158,240.00
Gallons of sludge put into storage after thickening:	786,000.00
Sludge removed from the plant for land application:	0.00
Sludge remaining in storage as of January 31 st :	2,600,000.00

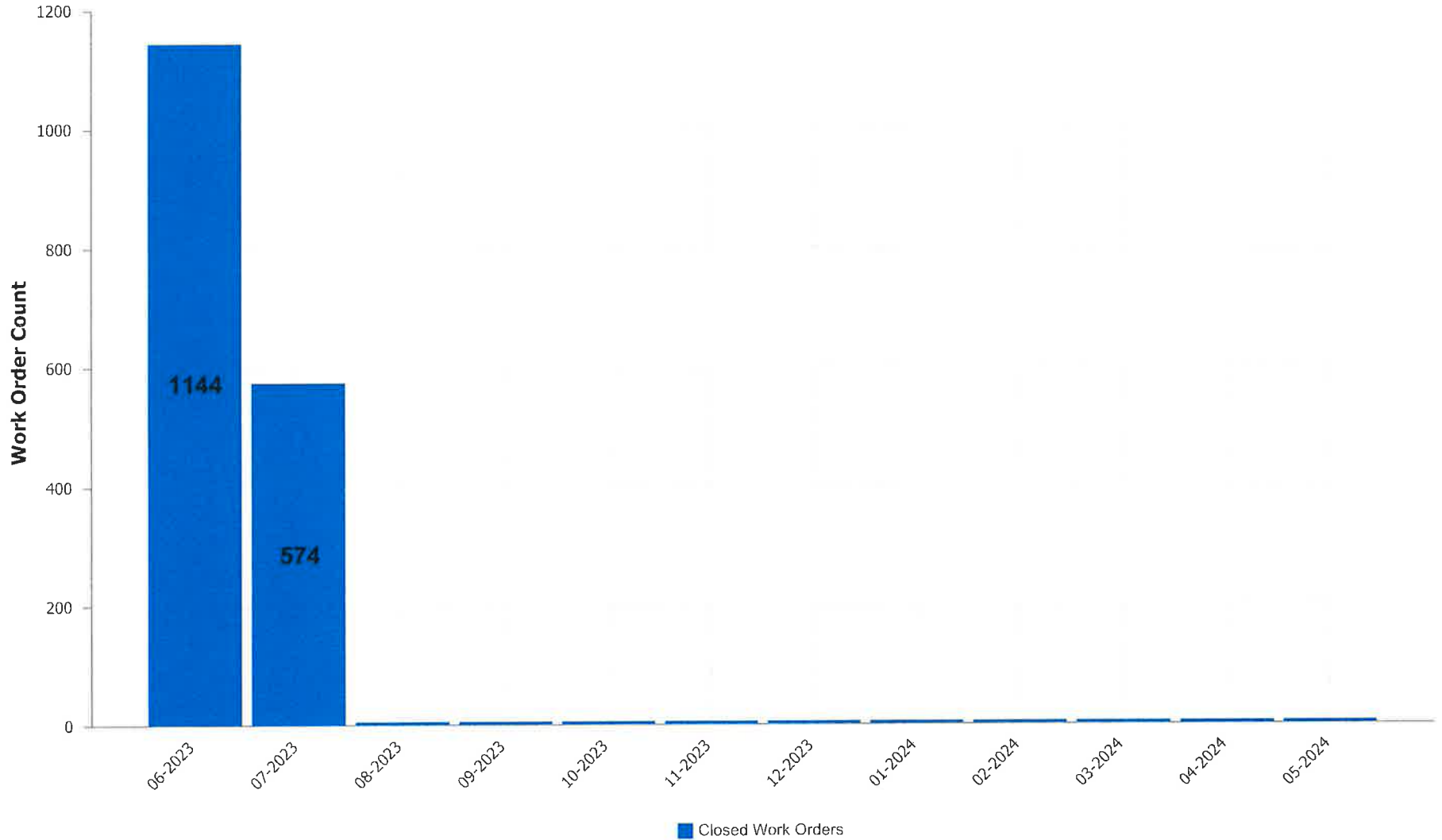
7.0 WATER USAGE

JUNE 2023 (33 DAYS): 44,302 CU FT= 331,400 GALS. = \$3,003.20

NUMBER OF DAYS IN THE BILLING CYCLE: 33

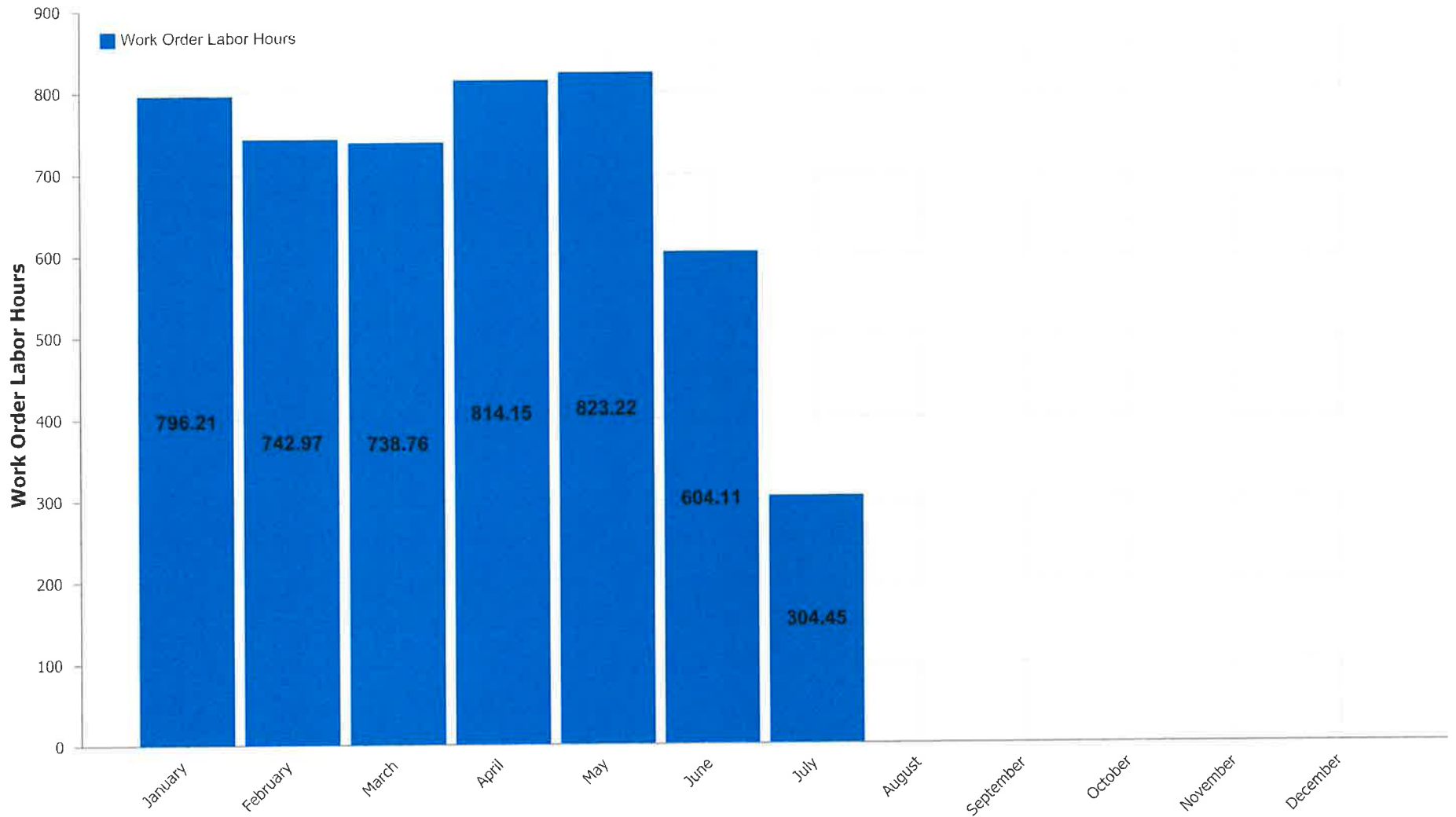
Work Orders Closed By Month

From June, 2023 to May, 2024



Work Order Labor Hours by Month

2023



ATTACHMENT

A

DMR Monthly Report

6/1/2023 to 6/30/2023

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
6/1/2023	10.924	6.90	13		1,184		4		364
6/2/2023	11.599	6.73	9		871				
6/3/2023	11.074		12	10	1,108	918	4	4	369
6/4/2023	10.252		14		1,197		4		342
6/5/2023	10.227	6.97	11		938		5		426
6/6/2023	10.206	7.13	11		936		5		426
6/7/2023	10.311	7.37	14		1,204		5		430
6/8/2023	9.971	7.17	10		832		4		333
6/9/2023	9.664	6.75	6		484				
6/10/2023	9.450		11	11	867	923	4	5	315
6/11/2023	9.283		9		697		3		232
6/12/2023	9.574	7.13	10		798		4		319
6/13/2023	9.629	7.22	11		883		4		321
6/14/2023	10.254	7.10	11		941		4		342
6/15/2023	9.725	7.14	8		649		4		324
6/16/2023	9.476	7.18	9		711				
6/17/2023	9.303		9	10	698	768	3	4	233
6/18/2023	8.824		9		662		3		221
6/19/2023	8.625		6		432		4		288
6/20/2023	8.461		11		776		5		353
6/21/2023	8.955	7.10	11		822		5		373
6/22/2023	8.812	7.07	11		808		6		441
6/23/2023	8.534	7.13	11		783				
6/24/2023	8.517		13	10	923	744	9	5	639
6/25/2023	7.893		9		592		6		395
6/26/2023	8.397	6.95	11		770		5		350
6/27/2023	8.614	6.97	16		1,149		8		575
6/28/2023	8.482	7.02	12		849		5		354
6/29/2023	8.698	7.04	12		870		5		363
6/30/2023	9.186	7.21	10		766				

Minimum	7.893	6.73	6	10	432	744	3	4	221
Maximum	11.599	7.37	16	11	1,204	923	9	5	639
Average	9.431	7.06	11	10	840	838	5	5	365
Sum	282.920	141.28	320	41	25,203	3,353	118	18	9,129

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

6/1/2023 to 6/30/2023

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	%
6/1/2023		0.007	3	10.92	281	25,601	232	21,137	99
6/2/2023		0.018	1	11.60			218	21,088	
6/3/2023	386			11.07	237	21,889	276	25,491	98
6/4/2023				10.25	181	15,476	250	21,375	98
6/5/2023		0.013	3	10.23	222	18,935	222	18,935	98
6/6/2023		0.018	9	10.21	305	25,961	496	42,219	98
6/7/2023		0.016	22	10.31	278	23,906	302	25,970	98
6/8/2023		0.022	13	9.97	277	23,035	546	45,404	99
6/9/2023		0.014	0	9.66			1,226	98,813	
6/10/2023	379			9.45	245	19,309	588	46,342	98
6/11/2023				9.28	187	14,478	502	38,865	98
6/12/2023		0.008	11	9.57	317	25,312	290	23,156	99
6/13/2023		0.012	4	9.63	350	28,107	748	60,069	99
6/14/2023		0.009	13	10.25	249	21,294	780	66,704	98
6/15/2023		0.018	4	9.73	324	26,279	922	74,780	99
6/16/2023		0.007	0	9.48			284	22,444	
6/17/2023	295			9.30	223	17,302	408	31,656	99
6/18/2023				8.82	174	12,805	142	10,450	98
6/19/2023				8.63	275	19,781	184	13,236	99
6/20/2023		0.012	6	8.46	224	15,807	242	17,077	98
6/21/2023		0.015	7	8.96	267	19,941	410	30,621	98
6/22/2023		0.015	27	8.81	278	20,431	120	8,819	98
6/23/2023		0.016	1	8.53			352	25,053	
6/24/2023	386			8.52	294	20,883	472	33,527	97
6/25/2023				7.89	253	16,654	458	30,149	98
6/26/2023		0.022	7	8.40	357	25,001	244	17,088	99
6/27/2023		0.019	1	8.61	380	27,299	276	19,828	98
6/28/2023		0.009	7	8.48	380	26,881	388	27,447	99
6/29/2023		0.035	12	8.70	453	32,861	328	23,794	99
6/30/2023		0.032	31	9.19			378	28,959	

Minimum	295	0.007	0	7.89	174	12,805	120	8,819	97
Maximum	386	0.035	31	11.60	453	32,861	1,226	98,813	99
Average	362	0.016	9	9.43	280	21,809	409	32,350	98
Sum	1,445	0.337	182	282.92	7,011	545,228	12,284	970,494	2,457

Limit	15012	0.05	400						
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DMR Monthly Report

6/1/2023 to 6/30/2023

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
6/1/2023	94	7.45	7.54	7.50		0.16	14.85	0.41	
6/2/2023	96	7.48	7.50	7.49					
6/3/2023	96	7.39	7.43	7.41	7.60				13.64
6/4/2023	94	7.52	7.56	7.54		0.09	7.99	0.36	14.90
6/5/2023	95	7.62	7.70	7.66		0.08	7.17	0.37	
6/6/2023	98	7.42	7.52	7.47		0.05	4.26	0.38	
6/7/2023	95	7.06	7.19	7.13		0.05	4.30	0.55	
6/8/2023	98	7.09	7.21	7.15		0.05	4.16	0.49	
6/9/2023	100	7.19	7.31	7.25					
6/10/2023	98	7.19	7.32	7.26	7.35				
6/11/2023	98	7.27	7.42	7.35		0.05	3.87	0.64	
6/12/2023	97	7.48	7.65	7.57		0.05	3.99	0.39	
6/13/2023	99	7.32	7.49	7.41		0.05	4.02	0.38	15.34
6/14/2023	99	7.12	7.28	7.20		0.05	4.28	0.24	
6/15/2023	99	7.10	7.25	7.18		0.05	4.06	0.23	
6/16/2023	97	7.06	7.23	7.15					
6/17/2023	98	7.09	7.25	7.17	7.29				
6/18/2023	94	7.17	7.28	7.23					
6/19/2023	97	7.10	7.26	7.18		0.50	36.11	0.26	
6/20/2023	95	7.07	7.26	7.17		0.38	26.60	0.38	12.86
6/21/2023	97	6.93	7.19	7.06		0.29	21.29	0.34	
6/22/2023	91	6.79	7.12	6.96		0.28	20.72	0.36	
6/23/2023	97	6.79	7.14	6.97					
6/24/2023	97	6.98	7.23	7.11	7.09				
6/25/2023	98	6.98	7.14	7.06		0.31	20.34	0.30	
6/26/2023	95	7.03	7.16	7.10		1.28	89.64	0.33	13.80
6/27/2023	94	7.07	7.21	7.14		3.65	262.22	0.46	
6/28/2023	97	7.03	7.17	7.10		2.58	182.51	0.38	
6/29/2023	96	6.91	7.06	6.99		7.85	569.45	0.38	
6/30/2023	97	7.04	7.19	7.12					

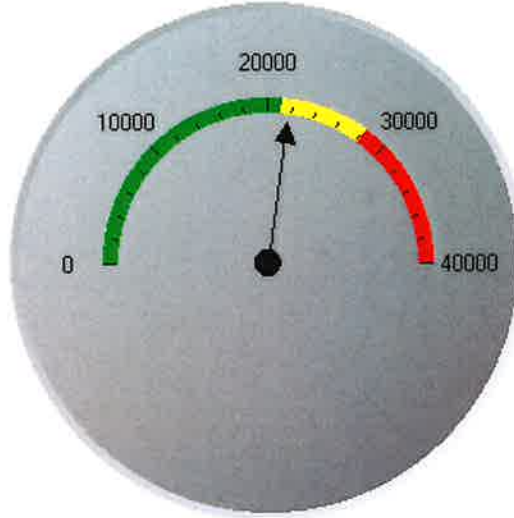
Minimum	91	6.79	7.06	6.96	7.09	0.05	3.87	0.23	12.86
Maximum	100	7.62	7.70	7.66	7.60	7.85	569.45	0.64	15.34
Average		7.16	7.31	7.24	7.33	0.89	64.59	0.38	14.11
Sum	2,896	214.74	219.26	217.00	29.33	17.86	1,291.81	7.62	70.54

Limit				min >5.0	>6.25	8.3	2965		
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Influent BOD loading Lbs - Monthly AVG

21,809 Lbs./Day

06/01/2023 - 06/30/2023



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

Influent NH3 loading Lbs - Monthly AVG

2,017 Lbs./Day

06/01/2023 - 06/30/2023

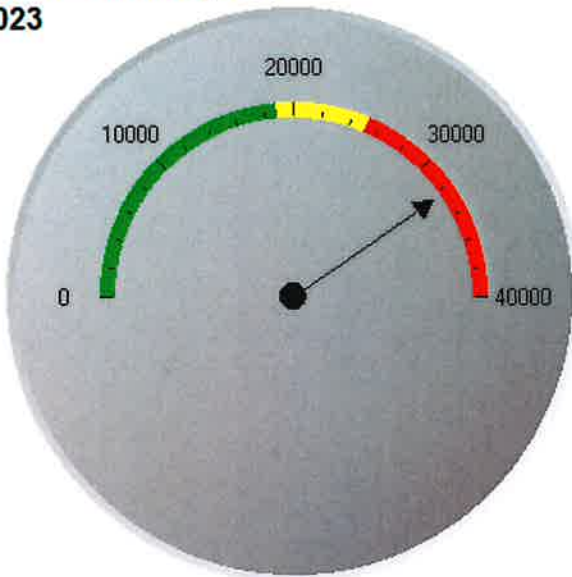


0 to 1500 - Target Loading
1500 to 2000 - Above 75% Threshold
Above 2000

Influent TSS loading Lbs - Monthly AVG

32,350 Lbs./Day

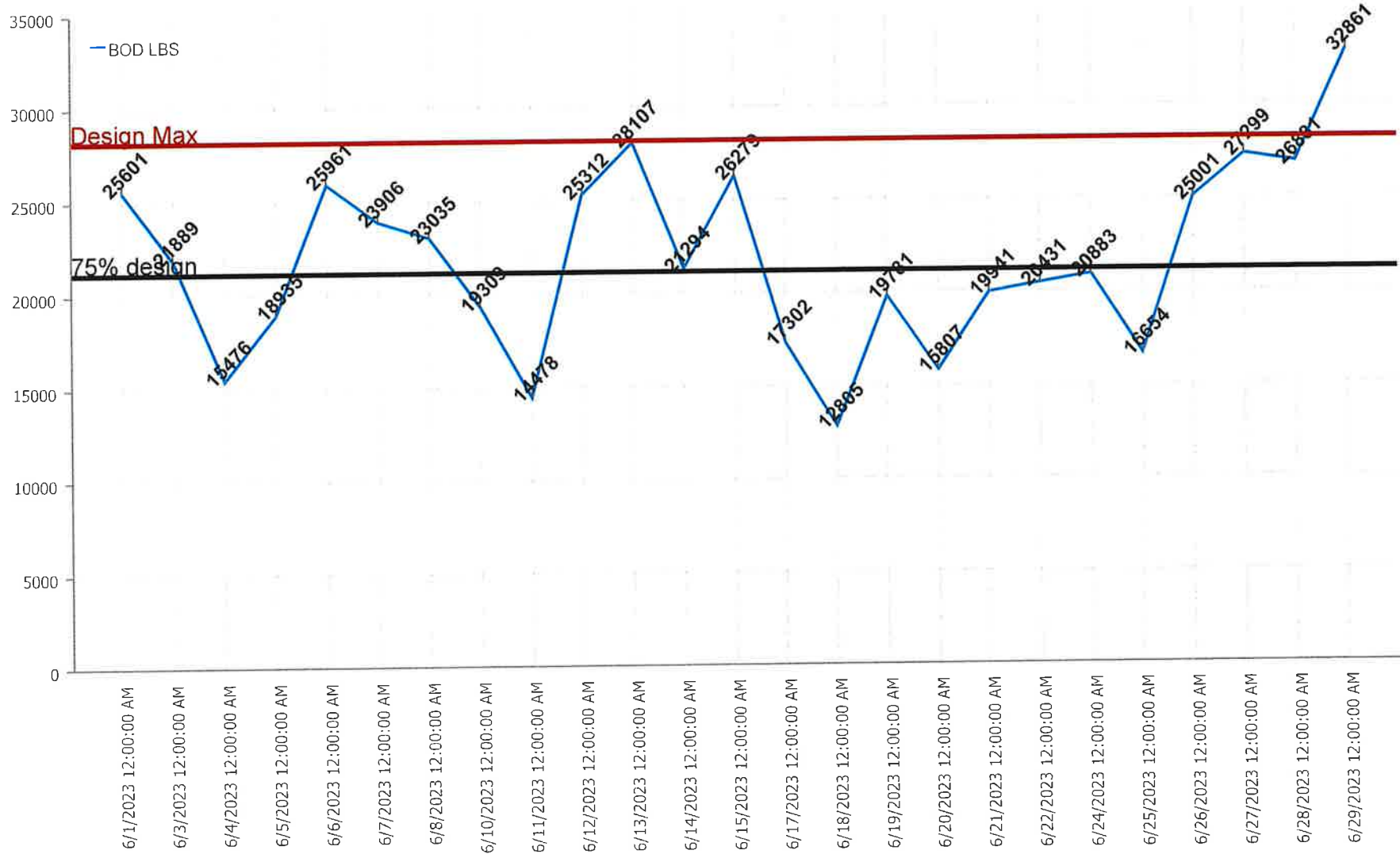
06/01/2023 - 06/30/2023



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

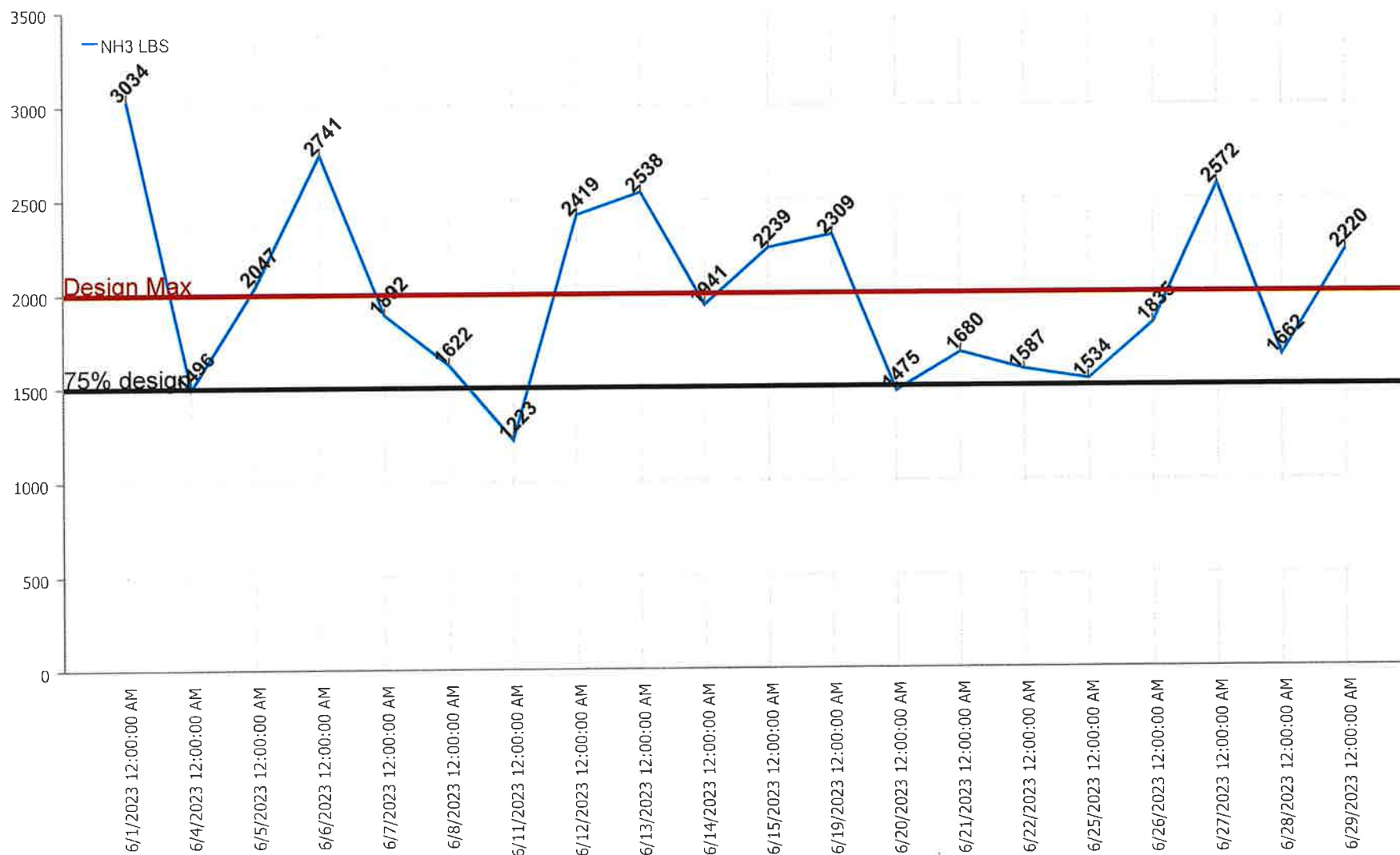
KRMA influent BOD pounds

Average Lbs. BOD: 21,809.12



KRMA influent NH3 pounds

Average Lbs. NH3: 2,003.30



ATTACHMENT

B

ATTACHMENT

C



SAFETY MEETING

July 11, 2023

1:15pm

Agenda

I. Safety Minutes

Review minutes from June 2023.

II. Old Business

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

III. New Business

A. Safety Training

Sexual Harassment Prevention Training

B. Safety Concerns

C. Safety Team Leader Report

D. Open Discussion

1. ST/LT meeting for renewal
2. New AED units

Next Meeting: Thursday, August 10, 2023

9:30am & 1:30pm



SAFETY MEETING
June 13, 2023
9:30am & 1:30pm
Minutes

In attendance:

9:30am session:

Melanie Gossett, Facilitator

Shaun Ownbey Dan Combs Josh Peters Mike Gowler

Max Gossett Alex Bowser

Dave Tyson

1:30pm session:

Melanie Gossett, Facilitator

Jack Renchen Jim Churney Nick Scheppler Ron Haney

Bryan Kennedy John Lund Nick Tucker Mike Arseneau

RJ Tyson Dave Tyson

Absent: Shawn Malone

I. Safety Minutes

Reviewed minutes from May 2023 - Approved

II. Old Business

There was one lost time accident for the month of May 2023

III. New Business

A. Safety Training

1. The video *To the Point about Confined Space Entry* was presented and discussed with the following reminders:
 - a. When completing a confined space permit, it must be verified by Dustin or Melanie.
 - b. The KRMA Confined Space Entry procedure and protocol is on pages 21-24 in the KRMA Safety Manual.

2. A Ladder Safety Handout was reviewed. It was mentioned there were some issues with a few of the ladders.
 - ✓ Ladders were inspected and two 10' were replaced.

B. Safety Concerns

No concerns mentioned at this time.

C. Safety Team Report

Safety Team Leader responsibilities transferred from Jim Churney to Dan Combs.

D. Open Discussion

1. Dan Combs was recognized as the overall winner of the KRMA Step Challenge with 1,118,080 total steps.
2. Operators who hold a Class 1 or 2 wastewater license were reminded of the deadline for CEUs: July 1, 2023.
3. An O&M hiring update was given. There are 27 applicants and testing will be conducted on Saturday, June 17th @9am.
4. A hero's recognition was given to Jim Churney for saving the life of a family of ducks and Jack Renchen for saving a turtle.
5. There are now security cameras on building #85, #66 and the pole barn.
6. Work orders that require operators to walk on the decking located at the north end of the primary tanks will be temporarily discontinued for safety reasons.

Next Meeting:

~~Thursday, July 13, 2023~~

Rescheduled to Tuesday, July 11, 2023

Pizza Party @12 followed by Safety Meeting @1:15pm

ATTACHMENT

D

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: BRADLEY/ RIVER DRIVE

FLOW METER MODEL: Isco Signature

INFLUENT July 10th, 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 7" Level reading 7.108"

LEVEL AFTER: 7.013"

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: 7/10/2023

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 July 10th, 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 25 MGD AS Found 26.53 MGD

LEVEL AFTER: 25.10 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: 7/10/23

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 Influent

FLOW METER MODEL: Isco Laser Flow

INFLUENT July 10th, 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 42.5" As found 42.5"

LEVEL AFTER: 42.5"

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: 7/10/2023

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 July 10th, 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? NO Had to readjust sensor Bolts loose

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 15.382"

LEVEL AFTER: 15.99"

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: 7/10/2023

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 July 10th, 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 24.216

LEVEL AFTER: 24.126"

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 7/10/2023

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 July 10th, 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 25 MGD AS Found 25.08 MGD

LEVEL AFTER: 25.08 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: 7/10/2023

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 July 10th, 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 24.125

LEVEL AFTER: 24.125"

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: 7/10/2023

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

ATTACHMENT

E

June 2023 Monthly Pretreatment Sample Analysis (metals, cyanide & VOA) for the permitted industries were a total of **61 samples** and a total of **326 analyses**.

Hoffman Transportation, LLC	8 Samples
Kankakee Recycling & Disposal Facility	2 Samples
Laraway Recycling & Disposal Facility	1 Sample
Liberty Landfill, LLC	11 Samples
Livingston Landfill	6 Samples
Natural Gas & Pipeline Co. of America	1 Sample
Newton County Landfill	10 Samples
Prairie View RDF	9 Samples
Tank Cleaning Solutions, LLC	13 Samples

Volumes Received for June 2023 for trucked-in industries.

Gilster-Mary Lee Corporation	0 gals	0 loads
Hoffman Transportation, LLC	160,000 gals	32 loads
Kankakee Recycling & Disposal Facility	21,000 gals	3 loads
Lake County C&D Landfill	0 gals	0 loads
Laraway Recycling & Disposal Facility	5,647 gals	1 load
Liberty 3 LFGTE Plant - Wabash Valley Power Alliance	0 gals	0 loads
Liberty Landfill, LLC	874,891 gals	131 loads
Livingston Landfill	139,778 gals	21 loads
Momence Packing	0 gals	0 loads
Natural Gas & Pipeline Co. of America	5,000 gals	1 load
Newton County Landfill	179,466 gals	26 loads
Peoria Packing Co.	0 gals	0 loads
Prairie View - Will County RNG Plant	0 gals	0 loads
Prairie View RDF	366,123 gals	55 loads
Tank Cleaning Solutions, LLC	193,769 gals	37 loads
Verdant Specialty Solutions US LLC	0 gals	0 loads
Zutat Feed Solutions	0 gals	0 loads
Totals:	1,945,674 gals	307 loads

The KRMA Facility received a total of **206 loads** of septage which totalled **734,649 gallons** for the month of June 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	-	157319	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	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	4,676,470	185	\$ 219,960	#DIV/0!	0	1,090,751	3,585,719	#DIV/0!	#DIV/0!	1,745,000	182	\$ 15,862	#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				#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	181,137	184	\$ 126,638	#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	Lake County C&D Landfill	Laraway Recycling & Disposal Facility	Liberty 3 LFGYE Plant - Wabash Valley Power Alliance	Liberty Landfill, LLC	Livingston Landfill	Momence 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	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	463
February	42,000	155,000	84,000				815,342	147,452		80,000	499,119			209,033	214,389	66,587		2,312,922	381
March	24,000	163,000	77,000		31,151		947,972	171,549		130,000	494,982			244,828	209,480			2,493,962	409
April	16,000	160,000	98,000		90,004		973,052	167,651		55,000	538,632			285,477	178,058			2,561,874	410
May	24,000	140,000	42,000		94,243		1,143,477	153,374		15,000	117,933			487,654	209,480			2,427,161	380
June		160,000	21,000		5,647		874,891	139,778		5,000	179,466			366,123	193,769			1,948,674	307
July																			
August																			
September																			
October																			
November																			
December																			
Totals	146,000	928,000	343,000		221,045		5,908,048	980,372		336,000	2,632,541			1,789,063	1,209,860	99,528	24,000	14,626,458	2,368
Average	24,333	154,666	57,166		36,840		884,674	163,395		55,833	438,758			299,843	201,643	16,588	4,000	2,437,743	395
Treatment Costs as of 05/01/23	0.09	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.09	0.09	0.1	0.09	0	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	0.059	0.059	0.086	0.086	0.08	0.086	0	0.059	0.086	0.138	0.082		



Monthly TSS/BOD Loading Report

June, 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	0	0	0
Hoffman Transportation, LLC	160,000	72	2,067
Kankakee Recycling & Disposal Facility	21,000	10	110
Lake County C&D Landfill	0	0	0
Laraway Recycling & Disposal Facility	5,647	7	8
Liberty 3 LFGTE Plant - Wabash Valley Pow0		0	0
Liberty Landfill, LLC	874,891	1,065	12,778
Livingston Landfill	139,778	946	5,273
Momence Packing	0	0	0
Natural Gas & Pipeline Co. of America	5,000	23	14
Newton County Landfill	179,466	908	29,111
Peoria Packing Co.	0	0	0
Prairie View - Will County RNG Plant	0	0	0
Prairie View RDF	366,123	384	2,677
Tank Cleaning Solutions, LLC	193,769	217	3,159
Verdant Specialty Solutions US LLC	0	0	0
Zutat Feed Solutions	0	0	0
Totals:	1,945,674	3,632	55,196

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	88,232	21.03%	23.92%	3,562	1,102	0.26%	0.34%	419,525	1,000
8/31/2021	1,162,810	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	1,369,410	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	1,787,590	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	2,068,130	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	2,315,330	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	2,567,800	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	2,952,230	384,430	66.67%	63.38%	471,548	62,964	10.92%	12.36%	1,016,840	127,727	22.15%	23.92%	12,972	1,517	0.26%	0.34%	576,638	1,000
3/31/2022	3,301,220	348,990	61.44%	63.38%	539,845	68,297	12.02%	12.36%	1,165,653	148,813	26.20%	23.92%	14,880	1,908	0.34%	0.34%	568,008	1,000
4/30/2022	3,673,760	372,540	63.95%	63.38%	608,424	68,579	11.77%	12.36%	1,305,059	139,406	23.93%	23.92%	16,901	2,021	0.35%	0.34%	582,546	1,000
		3,673,760	65.554%			608,424	10.857%			1,305,059	23.287%			16,901	0.302%		5,604,144	12,000

	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 %		
5/31/2022	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	1,073,610	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	1,270,980	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	1,478,340	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	1,675,230	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	1,914,460	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	2,164,510	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	2,416,300	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	2,808,030	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	3,098,910	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				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 %		
5/31/2023	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	429,120		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
8/31/2023	429,120		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	429,120		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	429,120		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	429,120		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	429,120		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	429,120		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	429,120		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	429,120		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	429,120		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
		429,120	64.486%			70,540	10.600%			163,796	24.615%			1,988	0.299%		665,444	2,000

Flows
 KRMA Treatment Facility
 June, 2023

Date	PRECIPITA INCHES	PLANT MGD	Kankakee MGD	BOURB. MGD	BradleyFlow MGD	AromaPark MGD
6/1/2023	.00	10.92	6.99	2.84	1.06	.03
6/2/2023	.00	11.60	7.96	2.52	1.08	.03
6/3/2023	.00	11.07	7.50	2.39	1.16	.03
6/4/2023	.00	10.25	6.69	2.40	1.13	.03
6/5/2023	.00	10.23	6.80	2.36	1.04	.03
6/6/2023	.00	10.21	6.88	2.29	1.00	.03
6/7/2023	.00	10.31	6.97	2.27	1.03	.03
6/8/2023	.00	9.97	6.84	2.23	.87	.03
6/9/2023	.00	9.66	6.64	2.21	.78	.03
6/10/2023	.00	9.45	6.41	2.16	.84	.03
6/11/2023	.00	9.28	6.08	2.23	.95	.03
6/12/2023	.16	9.57	6.46	2.17	.91	.03
6/13/2023	.08	9.63	6.34	2.28	.99	.03
6/14/2023	.00	10.25	7.10	2.23	.90	.03
6/15/2023	.00	9.73	6.59	2.18	.93	.03
6/16/2023	.00	9.48	6.51	2.10	.84	.03
6/17/2023	.00	9.30	6.38	2.06	.83	.03
6/18/2023	.00	8.82	5.90	2.03	.87	.03
6/19/2023	.00	8.63	5.65	2.15	.80	.03
6/20/2023	.00	8.46	5.36	2.10	.98	.03
6/21/2023	.00	8.96	5.96	2.07	.89	.03
6/22/2023	.00	8.81	5.86	2.06	.86	.03
6/23/2023	.00	8.53	5.52	2.06	.92	.03
6/24/2023	.28	8.52	5.62	2.04	.83	.03
6/25/2023	.00	7.89	4.66	2.34	.86	.03
6/26/2023	.00	8.40	5.37	2.17	.83	.03
6/27/2023	.00	8.61	5.68	2.08	.83	.03
6/28/2023	.00	8.48	5.57	2.04	.85	.03
6/29/2023	.00	8.70	5.57	2.21	.89	.03
6/30/2023	.00	9.19	6.06	2.25	.85	.03
Total	.52	282.92	187.92	66.50	27.60	.91
Average	.02	9.43	6.26	2.22	.92	.03
Minimum	.00	7.89	4.66	2.03	.78	.03
Maximum	.28	11.60	7.96	2.84	1.16	.03
# of data	30.00	30.00	30.00	30.00	30.00	30.00