

AGENDA

KANKAKEE RIVER METROPOLITAN AGENCY MEETING

Thursday, August 22, 2024

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 25, 2024 – Regular Board Meeting
- IV. **Presentations**
 - A. Strand Associate Presentation for Legislative Officials
- V. **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. Flows Graphs
 - D. Communications
- VI. **Old Business**
 - A. Update on Engineering for Phase 1, Phase 2, Phase 3
 1. Projections of Phase 1, Phase 2, and Phase 3 impacts on the rates for members municipalities
- VII. **New Business**
 - A. Approval of Job Descriptions
 - B. Gas Supply Update Extension
- VIII. **Executive Session**
 - A. Personnel & Probable or Imminent Litigation
- IX. **Next Meeting**

Thursday, September 26, 2024 (9:00 AM in KRMA Boardroom)

KANKAKEE RIVER METROPOLITAN AGENCY
MINUTES
July 25, 2024 – 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 Larry Osenga, City of Kankakee
Alderman Danita Swanson, 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 via GoToMeeting.com
Bryan Kennedy, Assistant Superintendent
Melanie Gossett, Technical Service Personnel

Other:

Terry Memenga, Director of Public Works, Village of Bourbonnais
Dan Small, Engineer, Strand Associates
Zachary Newton, Utility Superintendent, City of Kankakee

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 July 25, 2024 – Regular Board Meeting**

Motion to approve the July 25, 2024, Regular Board Meeting minutes was made by: Dir Osenga and seconded by Dir Hunter. All board members that were present voted in favor of. Motion Carried.

IV. **Reports**

A. **Operations & Maintenance Report**

Monthly Report

Chairman Curtis express gratitude regarding Art physical return. Art thanked everyone. Art present the MOR stating that the plant is operating well. Art referred to Attachment A of the MOR and stated although TSS is up, BOD has dropped. Art stated we are trying to determine why this change has occurred. There were questions regarding TSS; does it cause violation, it is industrial or residential, and how is it treated? Art stated TSS comes

from so many different sources; construction, leaves, streets, and farmers run off. Industrial is usually a major factor for increased TSS, however both industrial and residential contribute. Art also explained how TSS is treated and explained why he runs things 7 to 30 days, also his next step is reaching out to Strand Associates Operation Process to see if there are any other industries with a similar situation. Art acknowledges Bryan Kennedy, Assistant Superintendent on process well done.

B. Executive Director Report

1. Water, Gas & Electric Use/Cost

Exec. Dir. Dave Tyson presented yearly utility usage. He informed the board that we received another low electric bill from Champion Energy. All other utilities bill is in line.

2. Hauled In Waste Summary

Exec. Dir. Tyson said hauled in waste is down this month. However, we are above the budgeted amount. The decrease in hauled in waste is not causing any problems to the plant.

3. Operations Report

Exec Dir Dave Tyson also gave Bryan Kennedy acknowledgement for managing the power outage, not allowing it to cause any violation and/or cause any problem downstream. Vice Chairman Schore asked about the chlorination process and asked do we have a backup power source to handle it. Exec Dir Tyson stated the generator we use does not power the chlorination building. Bryan added it is a process that takes time. Screw pumps first then we can bring on other equipment. Exec Dir Tyson also, added in our Phase 1 project we plan to add more generators. The board was informed that KRMA does have a standard operating procedure we follow in the event of a power outage. Bryan informed that board that KRMA is a priority, second to the hospitals.

C. Financial Report

1. Reports

Karen presented the financial statements; she stated she would be checking with Midland bank to make sure we are getting the best interest rate. In the Statement of Net Position there was no significant change. Statement of Revenue/Expense she stated hauled in waste is good, and sludge removal is zero, however, that due to no receiving a bill. Karen stated she is having an exit call with the audit company next month.

2. Flows Graphs

They are on track.

D. Communications

None

V. Old Business

A. Update on Engineering for Phase 1, Phase 2, Phase 3

Exec Dir Tyson state Phase 1 its moving along.

1. Projections of Phase 1, Phase 2, and Phase 3 impacts on the rates for the members municipalities

Exec Dir Tyson stated this line item will keep the municipalities updated on the rate impacts as the Phases move along.

B. 401(k) Conversion Status

Exec Dir Tyson stated the conversion is complete. Everything is going fine. Exec Dir Tyson stated a few employees have requested that they be allowed to take loans out against their 401(k). Chairman Curtis stated it is not a great thing, however, it's their money their choice. All board member was okay with it. Art stated KRMA does contribute money to the 401(k). The board was informed that they can only borrow what they have contributed to the 401(k).

C. Resolution Authorizing the Destruction of certain Closed Session Verbatim Recordings of KRMA Board Meetings

Attorney Neal informed he looked at the recommended closed session minutes from 2019 and he did not have any concerns. It is a policy decision, they are eligible for destruction; however, you do not have to. Motion to table the Resolution Authorizing the Destruction of certain Closed Session Verbatim Recordings of KRMA Board Meetings was made by Dir Osenga and seconded by Dir Hunter. All board members that were present voted in favor of. Motion Carried.

VI. **New Business**

A. **Ratification of Appointing and Salary Determination for the new Assistant Superintendent**

Exec Dir Tyson read the letter of appointment of Bryan Kennedy for Assistant Superintendent of KRMA effective July 1, 2024, at the salary of \$125,000 annually, Mr. Kennedy accepted the position. Motion to Ratify Appointment and Salary Determination for the new Assistant Superintendent was made by Dir Hunter and seconded by Dir Swanson. All board members that were present voted in favor of. Motion Carried.

Exec Dir Tyson also informed the board member now that Bryan Kennedy accepted the Assistant Superintendent, we will be down one O & M. However, when we hired, we had an interest in three new hires, and we would like to offer that third candidate Dennis Kaiser the new open position as O & M Specialist. Chairman Curtis congratulated Bryan Kennedy for accepting the new Assistant Superintendent.

B. **Renewal of KRMA DTS 3-year Term Contract for \$32,000 annually**

Exec Dir Tyson informed the board that our Asset Management program is up for a 3-year Term renewal. It is open to all the municipalities who are interested in utilizing the program. Dir Romo stress some interest in the asset program and requested some information. Motion in Renewal of KRMA DTS 3-year Term Contract for \$44,000 annually along with the Authorization of the City of Kankakee enter on to that contract with the reimbursement of \$12,000 annually was made by Dir Osenga and seconded by Secretary Stump. All board members that were present voted in favor of. Motion Carried.

C. **Authorization of City of Kankakee DTS 3-year Term contract for \$12,000 annually**

Motion in Renewal of KRMA DTS 3-year Term Contract for \$44,000 annually along with the Authorization of the City of Kankakee enter on to that contract with the reimbursement of \$12,000 annually was made by Dir Osenga and seconded by Secretary Stump. All board members that were present voted in favor of. Motion Carried.

D. **Authorization to Allow Administration to Enroll in Short-Term and Long-Term Disability at No Cost to KRMA**

Motion to Authorized to allow Administration to enroll in Short-Term and Long-Term Disability at No Cost to KRMA was made by Dir Hunter and seconded by Dir Swanson. All board members that were present voted in favor of. Motion Carried.

Vice Chairman Schore made an announce regarding funding for KRMA future expansion. He would like to set up a meeting time with State Representative Jackie Hass and Senator Patrick Joyce and other municipal Representatives and have Strand Associates present them with a presentation on the expansion.

Vice Chairman Schore informed the board about the installation of the river gauge, and suggested instead of the municipalities doing it individually, KRMA can participate for a whole for the municipalities. Chairman Curtis presented the letter that was received regarding the river gauge installation. There was more discussion regarding the information presented.

VII. **Executive Session**

Personnel & Probable or Imminent Litigation

Motion to go into Executive Session to discuss Personnel issue under ILCS 120/2(c)(1) was made by Dir Osenga and seconded by Dir Stump. Motion carried.

Roll call was taken and all board members were present.

The Board went into Executive Session.

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

Roll call was taken and all board members were present.

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 22, 2024 (9:00 A.M. at KRMA Board Room)**

Motion to Adjourn was made by: Dir Osenga and seconded by Vice Chairman Schore. Motion Carried.

KRMA

Kankakee River Metropolitan Agency

Providing Wastewater Treatment to the Kankakee River Valley



Monthly Operations Report

July 2024

KRMA'S JULY HIGHLIGHTS:

The KRMA team continue to address the needs and concerns of the Agency. While addressing the task before them, we have team members who are striving to increase their knowledge in the field of wastewater treatment.

Team member, Mike Arseneau has been certified by the IEPA as a class 3 operator. Congratulation Mike!

Accolades to our summer help team members, Mr. Robert Billing and Mr. Conner Curtis. Great Job!!

The Agency continues to address the concerns and needs of the facility by board members communicating to State Representatives as too the need for upgrades. With the new permit parameter for effluent water quality upcoming, how the state can assist through funding programs to address failing infrastructure.

The month of July, 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 Details daily flow rates.

Table 2.1
Plant Flows

Municipality	Plant Influent	Kankakee	Bourbonnais	Bradley	Aroma Park
Total Flow (MGD)	374.11	359.20	96.60	34.79	1.082
Daily Average Flow (MGD)	12.47	11.59	3.116	1.122	0.035

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	12 mg/l
PH	6-9 SU	7.06 SU
Chlorine Residual	0.05 mg/l	0.016mg/l
Fecal Coliform	400/100 ml	50/100ml

ODOR ISSUES:

- There was no odor complaint 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 on their July work anniversaries.

Shawn Malone, O & M Operator Specialist, 15 years
Tawonda Brown, Office Coordinator, 5 years

Thank you all for being such a valuable and loyal member of our team. Your knowledge, hard work, and dedication is greatly appreciated.

Congratulations to Michael Arseneau for achieving his Class 3 Certification

The Agency would like to say “HAPPY BIRTHDAY” to all the employees with birthdays 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 going out for the necessities, steps should be taken to minimize the risk of spreading illness.

5.0 MAINTENANCE AND REPAIR

Number of Work Orders Closed for the Month: 1052
Hours of Scheduled Work Orders Performed: 520.06

6.0 SLUDGE HANDLING

Start Date: 07/01/2024
End Date: 07/31/2024

Gallons of sludge produced and sent to thickening: 2,419,077.00
Gallons of sludge put into storage after thickening: 558,000.00
Sludge removed from the plant for land application: 0.00
Sludge remaining in storage: 4,170,000.00

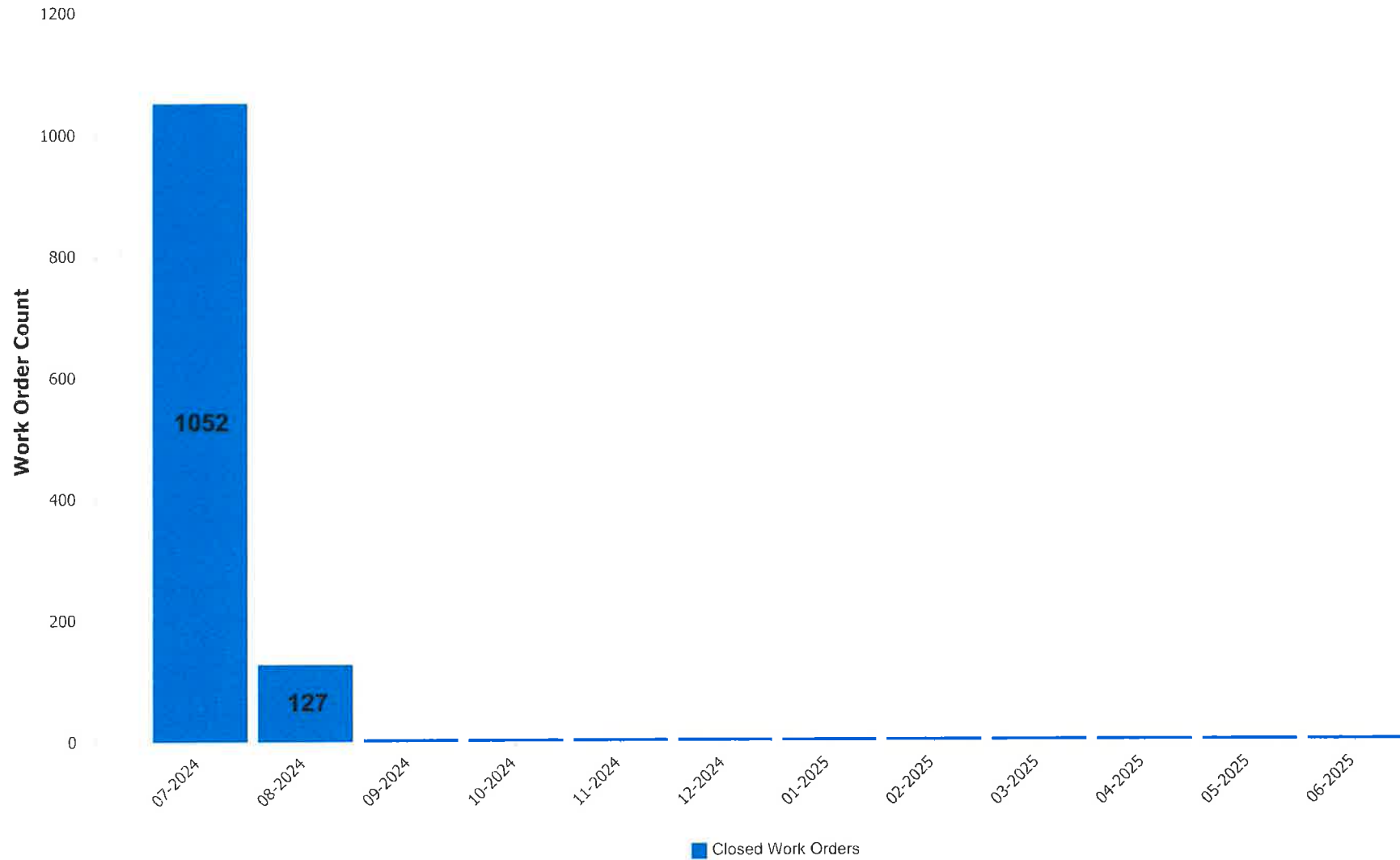
7.0 WATER USAGE

JULY 2024 (33 DAYS): 43,219 CU FT= 323,300 GALS. = \$2,961.49

NUMBER OF DAYS IN THE BILLING CYCLE: 33

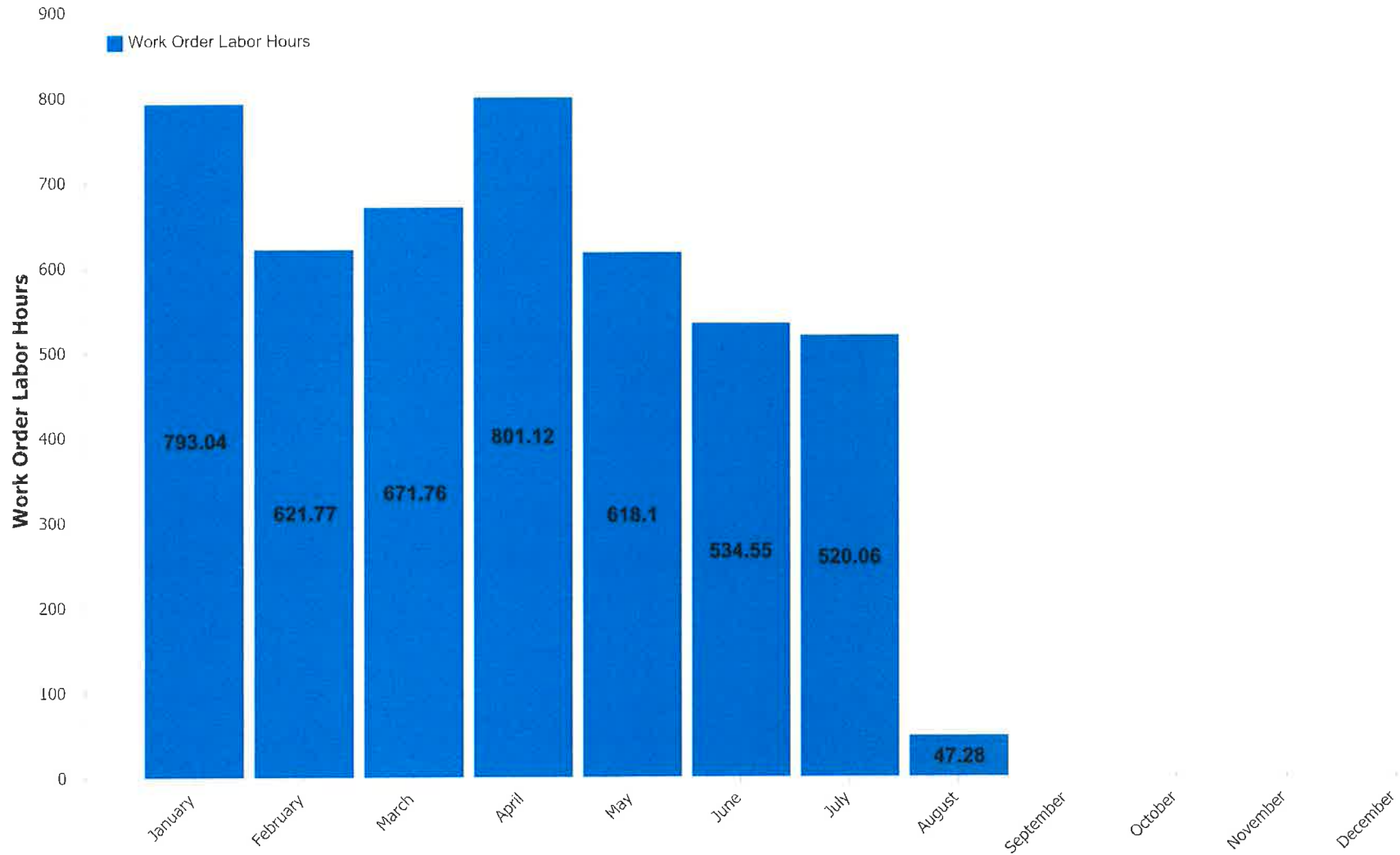
Work Orders Closed By Month

From July, 2024 to June, 2025



Work Order Labor Hours by Month

2024



ATTACHMENT

A

DMR Monthly Report

7/1/2024 to 7/31/2024

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
7/1/2024	11.166	6.86	12		1,117		5		466
7/2/2024	11.241	7.04	13		1,219		5		469
7/3/2024	10.690	6.90	8		713		4		357
7/4/2024	10.271		9		771		3		257
7/5/2024	10.043	7.15	11		921				
7/6/2024	10.325		10	10	861	903	3	4	258
7/7/2024	9.889		11		907		3		247
7/8/2024	9.735	6.98	13		1,055		4		325
7/9/2024	11.284	6.97	12		1,129		4		376
7/10/2024	16.611	7.01	8		1,108		4		554
7/11/2024	17.210	6.94	10		1,435		4		574
7/12/2024	13.468	6.97	7		786				
7/13/2024	12.608		10	10	1,052	1,068	4	4	421
7/14/2024	12.317		15		1,541		3		308
7/15/2024	17.789	7.22	14		2,077		4		593
7/16/2024	18.864	7.14	7		1,101		4		629
7/17/2024	18.941	7.24	11		1,738		5		790
7/18/2024	15.625	7.37	20		2,606		7		912
7/19/2024	13.685	7.17	19		2,169				
7/20/2024	12.801		17	15	1,815	1,864	4	5	427
7/21/2024	12.209		16		1,629		4		407
7/22/2024	11.685	7.06	18		1,754		5		487
7/23/2024	11.559	6.99	13		1,253		5		482
7/24/2024	11.339	7.09	14		1,324		4		378
7/25/2024	11.811	7.03	9		887		4		394
7/26/2024	11.013	7.11	10		918				
7/27/2024	10.493		14	13	1,225	1,284	5	5	438
7/28/2024	12.502		8		834		3		313
7/29/2024	13.035	7.15	11		1,196		4		435
7/30/2024	13.274	7.02	8		886		5		554
7/31/2024	11.940	7.01	11		1,095		4		398

Minimum	9.735	6.86	7	10	713	903	3	4	247
Maximum	18.941	7.37	20	15	2,606	1,864	7	5	912
Average	12.756	7.06	12	12	1,262	1,280	4	5	454
Sum	395.423	155.42	369	48	39,124	5,118	113	17	12,250

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

7/1/2024 to 7/31/2024

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	%
7/1/2024		0.022	35	11.17	308	28,682	394	36,691	98
7/2/2024		0.032	59	11.24	355	33,281	436	40,875	99
7/3/2024		0.003	71	10.69	252	22,467	598	53,314	98
7/4/2024				10.27	203	17,389	318	27,240	99
7/5/2024		0.018	49	10.04			171	14,323	
7/6/2024	369			10.33	185	15,930	210	18,083	98
7/7/2024				9.89	178	14,680	204	16,825	98
7/8/2024		0.011	44	9.74	189	15,345	401	32,557	98
7/9/2024		0.010	58	11.28	130	12,234	247	23,245	97
7/10/2024		0.011	33	16.61	116	16,070	225	31,171	97
7/11/2024		0.010	37	17.21	95	13,635	151	21,673	96
7/12/2024		0.013	16	13.47			55	6,178	
7/13/2024	416			12.61	182	19,137	276	29,022	98
7/14/2024				12.32	168	17,258	291	29,893	98
7/15/2024		0.022	178	17.79	103	15,281	99	14,688	96
7/16/2024		0.006	24	18.86	95	14,946	39	6,136	96
7/17/2024		0.014	25	18.94	122	19,272	76	12,006	96
7/18/2024		0.018	51	15.63	207	26,975	140	18,244	97
7/19/2024		0.005	35	13.69			56	6,391	
7/20/2024	610			12.80	116	12,384	288	30,747	97
7/21/2024				12.21	129	13,135	370	37,675	97
7/22/2024		0.037	85	11.69	245	23,876	294	28,651	98
7/23/2024		0.002	52	11.56	281	27,089	1,230	118,575	98
7/24/2024		0.040	93	11.34	234	22,129	486	45,960	98
7/25/2024		0.031	32	11.81	281	27,680	788	77,621	99
7/26/2024		0.017	41	11.01			190	17,451	
7/27/2024	431			10.49	266	23,278	240	21,003	98
7/28/2024				12.50	168	17,517	264	27,526	98
7/29/2024		0.010	24	13.04	138	15,002	141	15,328	97
7/30/2024		0.012	24	13.27	132	14,613	106	11,735	96
7/31/2024		0.014	29	11.94	173	17,227	218	21,708	98

Minimum	369	0.002	16	9.74	95	12,234	39	6,136	96
Maximum	610	0.040	178	18.94	355	33,281	1,230	118,575	99
Average	457	0.016	50	12.76	187	19,130	290	28,791	98
Sum	1,827	0.358	1,095	395.42	5,051	516,514	9,002	892,533	2,632

Limit	15012	0.05	400						
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DMR Monthly Report

7/1/2024 to 7/31/2024

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
7/1/2024	97	7.06	7.33	7.20		0.05	4.66	0.32	
7/2/2024	97	6.96	7.24	7.10		0.05	4.69	0.23	
7/3/2024	99	6.84	7.23	7.04					
7/4/2024	97	6.88	7.28	7.08		0.05	4.28	0.38	13.34
7/5/2024	94	6.97	7.30	7.14					
7/6/2024	95	7.02	7.35	7.19	7.17				
7/7/2024	95	7.08	7.43	7.26		0.16	13.53	1.17	
7/8/2024	97	7.00	7.33	7.17		0.17	13.40	1.50	10.04
7/9/2024	95	7.03	6.47	6.75		0.15	14.02	0.58	
7/10/2024	96	7.14	7.25	7.20		0.14	19.12	0.29	
7/11/2024	93	6.71	7.13	6.92		0.13	18.95	0.96	
7/12/2024	87	6.75	7.15	6.95					
7/13/2024	96	6.99	7.01	7.00	7.03				
7/14/2024	95	6.84	7.00	6.92		0.09	9.56	0.36	
7/15/2024	86	6.02	6.18	6.10		0.05	7.42	0.44	
7/16/2024	82	7.39	7.12	7.26		0.15	23.76	0.33	
7/17/2024	86	7.44	7.33	7.39		0.05	7.90	0.33	8.76
7/18/2024	86	6.86	7.18	7.02		0.11	14.07	0.46	
7/19/2024	66	6.76	7.06	6.91					
7/20/2024	94	6.78	7.10	6.94	6.93				
7/21/2024	96	6.91	7.19	7.05		0.05	5.09	0.44	
7/22/2024	94	6.80	7.08	6.94		0.05	4.87	0.34	
7/23/2024	99	7.09	7.33	7.21		0.05	4.82	0.17	
7/24/2024	97	6.80	7.15	6.98		0.05	4.73	0.18	
7/25/2024	99	6.65	6.98	6.82		0.05	4.93	0.16	13.18
7/26/2024	95	6.79	7.11	6.95					
7/27/2024	94	6.84	7.16	7.00	6.99				
7/28/2024	97	6.76	7.07	6.92		0.14	14.49	0.22	12.54
7/29/2024	92	6.68	6.96	6.82		0.10	10.84	0.31	
7/30/2024	92	6.74	6.98	6.86		0.05	5.54	0.24	
7/31/2024	95	6.79	7.04	6.92		0.05	4.98	0.28	

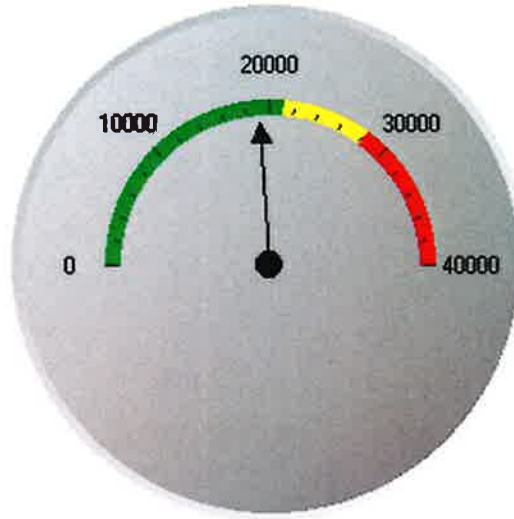
Minimum	66	6.02	6.18	6.10	6.93	0.05	4.28	0.16	8.76
Maximum	99	7.44	7.43	7.39	7.17	0.17	23.76	1.50	13.34
Average		6.88	7.11	7.00	7.03	0.09	9.80	0.44	11.57
Sum	2,883	213.37	220.52	216.95	28.13	1.94	215.63	9.67	57.86

Limit				min >5.0	>6.25	8.3	3115		
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Influent BOD loading Lbs - Monthly AVG

19,130 Lbs./Day

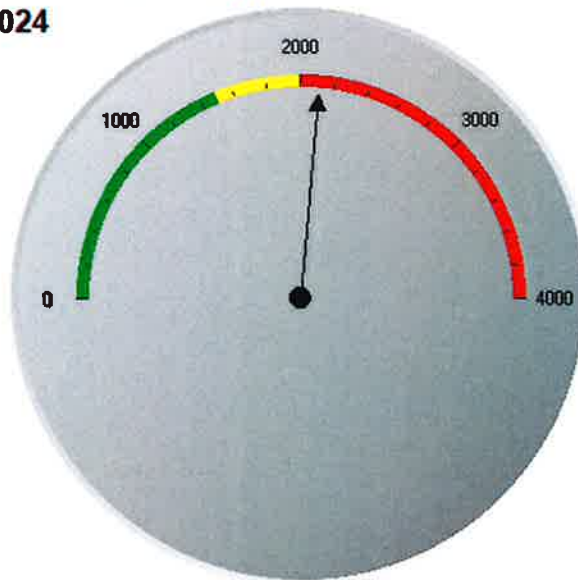
07/01/2024 - 07/31/2024



Influent NH3 loading Lbs - Monthly AVG

2,118 Lbs./Day

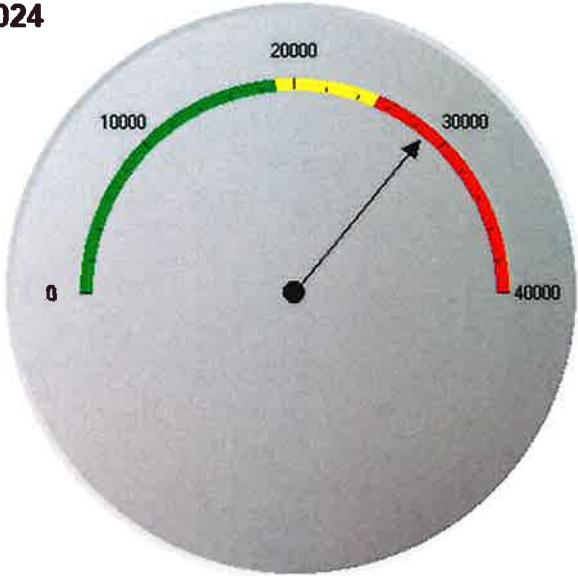
07/01/2024 - 07/31/2024



Influent TSS loading Lbs - Monthly AVG

28,791 Lbs./Day

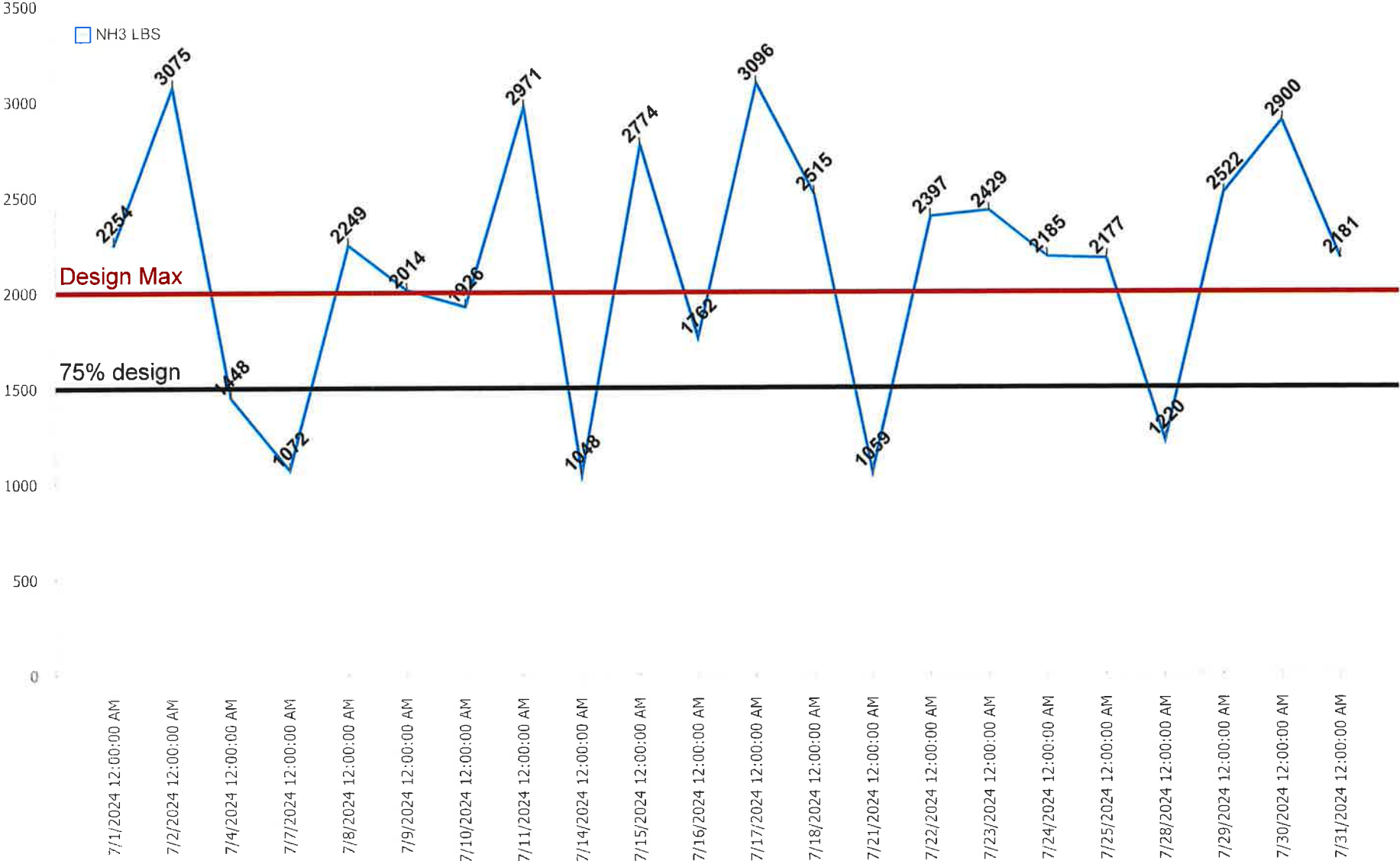
07/01/2024 - 07/31/2024



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

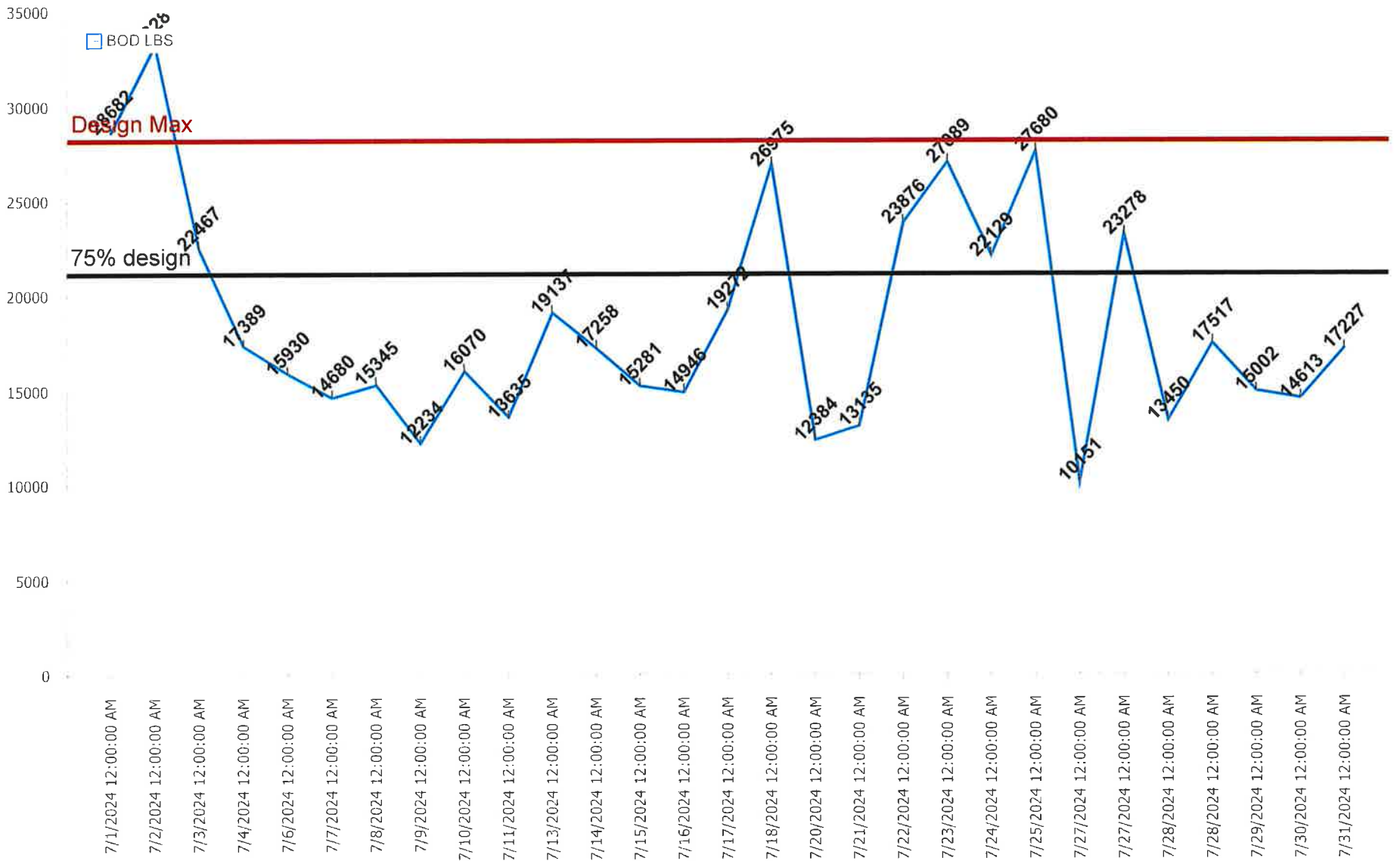
KRMA influent NH3 pounds

Average Lbs. NH3: 2,148.82



KRMA influent BOD pounds

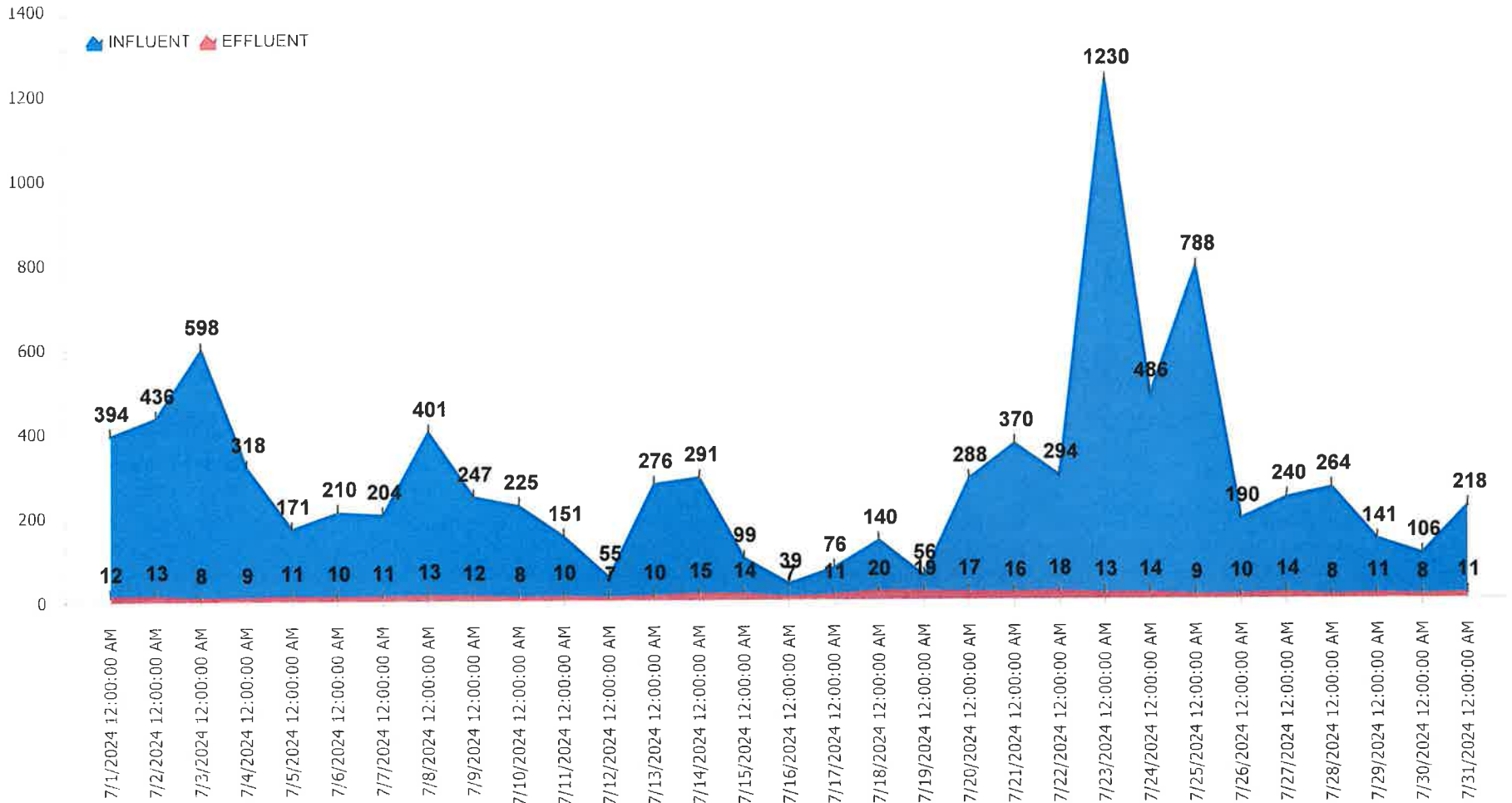
Average Lbs. BOD: 18,624.59



INFLUENT TSS VS. EFFLUENT TSS

7/1/2024 TO 7/31/2024

Effluent Average 11.9



ATTACHMENT

B

Flows
KRMA Treatment Facility
July, 2024

Date	PRECIPITA INCHES	PLANT MGD	Kankakee MGD	BOURB. MGD	BradleyFlow MGD	AromaPark MGD
7/1/2024	0.00	13.72	10.23	2.560	0.890	0.033
7/2/2024	0.00	13.69	10.36	2.460	0.840	0.035
7/3/2024	0.32	13.14	9.81	2.460	0.840	0.030
7/4/2024	0.02	12.66	9.39	2.400	0.840	0.033
7/5/2024	0.00	12.53	9.16	2.500	0.840	0.033
7/6/2024	0.00	12.73	9.41	2.410	0.870	0.033
7/7/2024	0.00	12.23	9.07	2.350	0.780	0.033
7/8/2024	0.00	12.03	8.97	2.300	0.730	0.031
7/9/2024	1.35	13.86	10.31	2.600	0.910	0.039
7/10/2024	0.05	21.47	14.52	4.880	2.030	0.041
7/11/2024	0.00	20.76	15.77	3.560	1.390	0.034
7/12/2024	0.00	16.39	12.25	2.930	1.170	0.036
7/13/2024	0.00	15.31	11.47	2.710	1.090	0.036
7/14/2024	1.00	14.98	11.15	2.670	1.120	0.036
7/15/2024	0.66	23.10	15.47	5.330	2.250	0.052
7/16/2024	0.00	24.39	16.57	5.540	2.230	0.048
7/17/2024	0.00	22.75	17.20	3.820	1.690	0.039
7/18/2024	0.00	19.04	14.26	3.430	1.320	0.036
7/19/2024	0.00	16.92	12.37	3.240	1.270	0.038
7/20/2024	0.00	15.81	11.62	3.020	1.130	0.038
7/21/2024	0.00	15.03	11.18	2.830	0.980	0.038
7/22/2024	0.00	14.43	10.82	2.750	0.820	0.035
7/23/2024	0.00	14.23	10.59	2.680	0.930	0.033
7/24/2024	0.29	13.99	10.46	2.660	0.840	0.030
7/25/2024	0.00	14.31	10.96	2.510	0.810	0.029
7/26/2024	0.00	13.42	10.14	2.410	0.840	0.030
7/27/2024	0.00	12.86	9.54	2.380	0.910	0.030
7/28/2024	0.00	16.43	11.15	3.950	1.300	0.030
7/29/2024	0.35	17.30	11.85	4.280	1.140	0.031
7/30/2024	0.00	16.64	12.45	3.380	0.780	0.030
7/31/2024	0.50	15.53	10.69	3.600	1.210	0.032
Total	4.54	491.67	359.20	96.600	34.790	1.082
Average	0.15	3.97	11.59	3.116	1.122	0.035
Minimum	0.00	0.03	8.97	2.300	0.730	0.029
Maximum	1.35	17.20	17.20	5.540	2.250	0.052
# of data	31	31	31	31	31	31

ATTACHMENT

C



Providing Wastewater Treatment to the Kankakee River Valley
1600 W. Brookmont Blvd.
Kankakee, IL 60901

Safety Meeting

August 13, 2024, 1:30PM
Training Room

Agenda

<u>Topic</u>	<u>Presenter</u>
I. Introduction	Art
II. Safety Minutes	Michelle
III. Old Business	
• Lost Time	Michelle
• First Aid Kits – status	Michelle
• Operations Updates	Bryan
IV. New Business	
• Summer Presentation	Robert / Conner
• Safety Team Leader Report	Shawn
• Safety Concerns	All
• Safety Training	Michelle
• Policies & Procedures	Michelle
V. Open Discussion	All
VI. Adjournment	Michelle
• Next Meeting TBD	

ATTACHMENT

D

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: Kankakee Influent

FLOW METER MODEL: Isco Laser Flow

INFLUENT August 12th, 2024

PRIMARY DEVICE: 72" PIPE

FLOW: 0-115 MGD

MEASURING DEVICE:

CHECK POINTS:

LEVEL? YES

FREE FLOWING? Yes

TURBULENCE? NO

BLOCKAGE? NO

SURFACE BUILD-UP? Foam

HEAD MEASURING DEVICE MOUNTED PROPERLY? YES

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? YES

CALIBRATION:

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

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

LEVEL BEFORE:

LEVEL AFTER:

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

LEVEL BEFORE: Target level 39.50" As found 40.650"

LEVEL AFTER: 39.52"

C) Actual level 22.140" 5.38 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: 8/12/2024

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 12, 2024

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? **Readjusted due to rags on Cable**

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? **YES**

CALIBRATION:

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

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

LEVEL BEFORE:

LEVEL AFTER:

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

LEVEL BEFORE: Target level 14.5" As found 13.750"

LEVEL AFTER: 14.55"

C) Actual level 12.772" 2.32 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: 8/12/2024

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 6th, 2024

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"

D) Actual Flow 1.298" 14.27 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: 8/6/2024

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 6th, 2024

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 25.03 MGD

LEVEL AFTER: 25.03 MGD

C) Actual Flow 11.98 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: 8/6/2024

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 6th, 2024

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 7.0" Level reading 7.018"

LEVEL AFTER: 7.018"

C) Actual Flow 1.01 MGD 4.192"

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: 8/6/2024

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 August 6th, 2024

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 25.01 MGD

LEVEL AFTER: 25.01 MGD

C) Actual Flow 11.98 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: 8/6/2024

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 6th, 2024

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 24.239"

LEVEL AFTER: 24.123"

Actual Flow 53.71 GPM 3.058"

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 8/6/2024

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

ATTACHMENT

E

July 2024 Monthly Pretreatment Sample Analysis (metals, cyanide & VOA) for the permitted industries were a total of **58 samples** and a total of **388 analyses**.

Gilster-Mary Lee Corporation	10 Samples
Hoffman Transportation, LLC	6 Samples
Liberty Landfill, LLC	9 Samples
Livingston Landfill	6 Samples
Natural Gas & Pipeline Co. of America	5 Samples
Prairie View RDF	8 Samples
Tank Cleaning Solutions, LLC	14 Samples

Volumes Received for July 2024 for trucked-in industries.

Gilster-Mary Lee Corporation	100,000 gals	17 loads
Hoffman Transportation, LLC	155,000 gals	31 loads
Kankakee Recycling & Disposal Facility	0 gals	0 loads
KGN Farm Inc.	0 gals	0 loads
Lake County C&D Landfill	0 gals	0 loads
Laraway Recycling & Disposal Facility	0 gals	0 loads
Liberty Landfill, LLC	1,253,282 gals	190 loads
Livingston Landfill	144,811 gals	21 loads
Momence Packing	0 gals	0 loads
Natural Gas & Pipeline Co. of America	40,000 gals	8 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	261,983 gals	40 loads
Tank Cleaning Solutions, LLC	199,006 gals	38 loads
Zutat Feed Solutions	0 gals	0 loads
Totals:	2,154,082 gals	345 loads

The KRMA Facility received a total of **210 loads** of septage which totalled **663,000 gallons** for the month of July 2024

KRMA YEARLY UTILITY USAGE - (2024)

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	849,824	32	\$ 60,844	\$ 1,901	-	195,967	653,857	1,107	\$ 0.0716	285,700	32	\$ 2,535	8,928	79
FEBRUARY	205,738	36	\$ 54	\$ 2	-	205,480	258	238	\$ 0.0003	267,500	28	\$ 2,423	9,554	87
MARCH	214,510	28	\$ 46	\$ 2	-	214,341	169	319	\$ 0.0002	279,200	30	\$ 2,663	9,307	89
APRIL	207,334	29	\$ 40	\$ 1	-	207,210	124	298	\$ 0.0002	273,100	30	\$ 2,622	9,103	87
MAY	2,985,201	127	\$ 117,770	\$ 927	-	212,466	2,772,735	979	\$ 0.0395	308,000	33	\$ 2,858	9,333	87
JUNE	134,992	31	\$ 33	\$ 1	-	134,937	55	181	\$ 0.0002	268,500	28	\$ 1,591	9,589	57
JULY	1,122,269	54	\$ 66,703	\$ 1,235	-	100,224	1,022,045	866	\$ 0.0594	323,300	33	\$ 2,961	9,797	90
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	5,719,868	337	\$ 245,491	#DIV/0!	0	1,270,625	4,449,243	#DIV/0!	#DIV/0!	2,005,300	214	\$ 17,654	#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	39,569	31	\$ 26,964	1276	\$ 870
FEBRUARY	40,365	31	\$ 28,648	1302	\$ 924
MARCH	29,231	30	\$ 19,960	974	\$ 665
APRIL	26,292	29	\$ 18,134	907	\$ 625
MAY	17,469	32	\$ 24,736	546	\$ 773
JUNE	11,711	30	\$ 8,453	390	\$ 282
JULY	7,952	30	\$ 5,873	265	\$ 196
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	172,590	213	\$ 132,768	#DIV/0!	#DIV/0!
	Therms	Days	Total Cost \$/Billing Period	Therms/Day	Total Cost \$/day



Annual Load / Gallon Totals

2024

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

Month Received	Gilster-Mary Lee Corporation	Hoffman Transportation, LLC	Kankakee Recycling & Disposal Facility	KGN Farm Inc.	Lake County C&D Landfill	Laraway Recycling & Disposal Facility	Liberty Landfill, LLC	Livingston Landfill	Monsence 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	18,000	200,000				226,390	1,162,660	287,301		115,000		3,000		363,552	219,954			2,595,857	427
February	24,000	205,000				269,985	1,362,283	393,803		50,000		3,000		461,815	204,243			2,974,129	481
March	112,000	185,000				363,718	886,492	181,224		50,000				482,385	193,769			2,454,588	407
April	100,000	175,000				389,293	1,198,071	138,361	135,500	120,000				403,227	188,532			2,847,984	468
May	118,000	165,000				58,558	1,317,423	183,002	28,000	75,000		2,000		221,067	204,243			2,372,293	390
June	108,000	145,000					1,324,184	164,672		35,000				101,632	193,764			2,072,252	345
July	100,000	155,000					1,253,282	144,811		40,000				261,983	199,006			2,154,082	354
August																			
September																			
October																			
November																			
December																			
Totals	580,000	1,230,000				1,307,944	8,504,395	1,493,174	163,500	485,000		8,000		2,295,661	1,403,511			17,471,185	2,872
Average	82,857	175,714				186,849	1,214,913	213,310	23,357	69,285		1,142		327,951	200,501			2,495,884	410
reclaimt Costs is of 05/01/24	0.095	0.065	0.065	0	0.065	0.065	0.065	0.065	0.095	0.095	0.11	0.095	0	0.065	0.095	0.152	0.095		
reclaimt Costs is of 05/01/23	0.09	0.062	0.062	0	0.062	0.062	0.062	0.062	0.09	0.09	0.1	0.09	0	0.062	0.09	0.145	0.09		



Monthly TSS/BOD Loading Report

July, 2024

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	100,000	2,100	3,720
Hoffman Transportation, LLC	155,000	190	1,988
Kankakee Recycling & Disposal Facility	0	0	0
KGN Farm Inc.	0	0	0
Lake County C&D Landfill	0	0	0
Laraway Recycling & Disposal Facility	0	0	0
Liberty Landfill, LLC	1,253,282	1,223	28,915
Livingston Landfill	144,811	1,307	5,799
Momence Packing	0	0	0
Natural Gas & Pipeline Co. of America	40,000	9	56
Newton County Landfill	0	0	0
Peoria Packing Co.	0	0	0
Prairie View - Will County RNG Plant	0	0	0
Prairie View RDF	261,983	206	3,541
Tank Cleaning Solutions, LLC	199,006	831	3,438
Verdant Specialty Solutions US LLC	0	0	0
Zutat Feed Solutions	0	0	0
Totals:	2,154,082	5,865	47,457

Illinois Association of Wastewater Agencies Quarterly Report on PFAS
Second Quarter 2024

Legislative Developments

Federal

Water Systems PFAS Liability Protection Act ([H.R. 7944](#)): This bill was introduced by House Rep. Curtis (R-UT) and Rep. Gluesenkamp-Perez (D-WA) on April 11, 2024. The bill is a reintroduction of the Senate bill ([S. 1430](#)) introduced by Sen. Lummis in 2023. The bill provides protection of CERCLA liability for water and wastewater treatment facilities, stormwater, and biosolids management or disposal.

Clean Water Standards for PFAS Act of 2024: This bill was reintroduced in the House ([H.R.8076](#)) and Senate ([S.4173](#)) on April 18, 2024 by Sen. Gillibrand (D-NY) and Rep. Pappas (D-NH). The bill requires EPA to: 1) publish human health water quality criteria within three years; and 2) publish effluent limitation guidelines and monitoring requirements for eight industry categories, including landfills with begin dates starting from 2025, 2026 and 2027.

Forever Chemical Regulation and Accountability Act: This bill was introduced in the House ([H.R. 8074](#)) and senate ([S. 4187](#)) on April 18, 2024 by Sen. Durbin (D-IL) and Rep. McCollum (D-MN). The purpose of the bill is to phase out production of nonessential PFAS and prohibit release of PFAS used for other essential purposes.

Farm Bill Reauthorization:

The following bills were released under the Farm Bill.

- House Agriculture Committee advanced the [Farm, Food, and National Security Act of 2024](#) (House Farm Bill). PFAS-related sections include:
 - Funding for research and extension to address PFAS impacts on farmland such as reducing input to wastewater and biosolids including:
 - Survey and collect data on the levels of these substances in biosolids
 - Develop and analyze techniques to remove PFAS from biosolids for agricultural use
 - Analyze the fate of PFAS when applied to farmland and the impacts on soil health and uptake by crops or livestock
 - Research the effects of wastewater processing on these substances
 - Investigate methods to remediate contaminated soil and water systems
- Senate Agriculture Committee released the [Farm Bill framework, the Rural Prosperity and Food Security Act](#). Relevant provisions in this act include:
 - Healthy Drinking Water Affordability Assistance Program - This establishes a program to provide grants for water quality testing, purchase, and installation of point-of-use or point-of-entry water filtration systems that remove or significantly reduce health contaminants from drinking water such as lead, arsenic, nitrate, or PFAS
 - High-Priority Research and Extension Initiatives - Adds PFAS agricultural effects, as well as other issues, as high priority initiatives
 - Relief for Farmers in the form of grants to states to monitor and remediate the impacts of PFAS contamination of agricultural land or farm products, including providing financial assistance to impacted producers and conducting research
 - Requires eligible governments receiving funding under this program to prioritize direct assistance to producers who are experiencing financial losses due to PFAS contamination

Connecticut:

Ban on Land Application of Biosolids: On May 17, Connecticut signed Senate bill, SB 292 into [Public Act 24-59](#) to phase out and ban PFAS in various consumer products sold in the State. A clause which essentially bans land application was added just prior to the final vote on the legislation, apparently without the knowledge or input of biosolids stakeholders including the affected agencies and the regional biosolids association, Northeast Residuals and Biosolids Association who supported the initial draft bill.

Regulatory Developments

Federal

USEPA advanced efforts in **line with its PFAS Strategic Roadmap including:**

- On April 9, the agency released the updated [Interim Guidance](#) on Destruction and Disposal of Certain PFAS and PFAS-Containing Materials for public review. The agency indicate that the updated guidance reflects the latest, best available science to provide information that managers of PFAS wastes can use to evaluate the most appropriate destruction, disposal, or storage method among those currently available. The guidance does not establish requirements for destruction or disposal of PFAS materials. USEPA identifies three destruction and disposal options for “relatively high PFAS concentrations” that have a “lower potential for environmental release of PFAS” including, Class I underground injection wells, hazardous waste landfills, and hazardous waste combustors. The guidance identifies prioritized research needs, provides a technology evaluation framework to help analyze the safety and effectiveness of new technologies, and assessment tools for impacts on vulnerable communities. Comments on the guidance are due Oct. 15, 2024.
- On April 26, the agency published the [National Primary Drinking Water Regulation](#) for PFAS. The rule establishes monitoring and legally enforceable levels, called Maximum Contaminant Levels (MCLs), for six PFAS in drinking water including:
 - Individually: PFOA (4 ppt); PFOS (4 ppt); PFHxS (10 ppt); PFNA (10 ppt); GenX (10 ppt)
 - Mixtures of two or more: Hazard Index of 1 as MCL for PFNA, PFHxS, GenX, PFBS
 - USEPA estimates that 6-10% of the 66,000 public drinking water systems subject to this rule may have to take action to reduce PFAS to meet these new standards.
 - The rule requires the following:
 - Public water systems must monitor for these PFAS and have three years to complete initial monitoring (by 2027), followed by ongoing compliance monitoring; water systems must also provide the public with information on the levels of these PFAS in their drinking water beginning in 2027.
 - Beginning in five years (2029), public water systems that have PFAS in drinking water which violates one or more of these MCLs must take action to reduce levels of these PFAS in their drinking water and must provide notification to the public of the violation.
- On April 19, USEPA finalized the designation of [two PFAS compounds \(PFOA and PFOS\)](#) as hazardous chemicals under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This designation is effective beginning July 8, 2024. The following are some key provisions in the rule:
 - Facilities must report release of these substances if quantities are at or above one pound within 24-hour period.

- Enables enforcement tools to compel polluters to pay for investigations and cleanup
- Requires Department of Transportation to list and regulate PFOA and PFOS under the Hazardous Materials Transportation Act

It is important to note that for average concentrations of PFOA and PFOS typically found in biosolids, reporting under CERCLA will not be required. National Association of Clean Water Agencies has developed a [Reportable Limit Calculator](#) which its members can use to estimate daily discharge from their facilities.

In addition to the final rule, USEPA issued a separate CERCLA [PFAS Enforcement Discretion and Settlement Policy](#). The following are highlights of the policy:

- Focuses enforcement on parties who significantly contributed to the release, or exacerbating the spread, of PFAS chemicals into the environment, including manufactures and users, federal facilities, and other industrial parties.
 - Includes consideration of equitable factors that don't support seeking response actions or costs including, but not limited to community water systems and publicly owned treatment works; municipal separate storm sewer systems; publicly owned/operated municipal solid waste landfills; publicly owned airports and local fire departments; and farms where biosolids are applied.
 - EPA also intends to provide "settlement protections" to help protect against third-party contribution litigation, forcing PRPs to waive rights to sue others
- USEPA plans to release the draft Biosolids Risk Assessment with risk-based values for PFOA and PFOS in late October or early November this year. The risk-based values will have gone through reviews internally by USEPA staff and externally by experts selected by a third-party contractor. USEPA intends to also include a factsheet with this release to facilitate understanding of the risk assessment values, explain the process, what the risks are, and the science used for their development.

Litigation

An environmental group, Public Employees for Environmental Responsibility (PEER) filed a [lawsuit](#) against USEPA on behalf of a group of farmers and ranchers who claimed health impacts due to PFAS in land applied biosolids. The group claims that USEPA has failed to establish regulations under the Part 503 rule to protect human health and the environment from PFAS in biosolids. Since then, other environmental groups have announced their intent to file similar lawsuits. There is no reported response from USEPA yet.

IAWA Activities

Legislative Initiative:

Wastewater agencies are neither manufacturers of, nor profit from, PFAS in any way. However, future PFAS regulation in the State of Illinois the carry the risk of passing responsibility for addressing PFAS in wastewater to municipal agencies that have neither the financial resources or necessary infrastructure to meet the challenge. On May 22, 2024, the working group comprising representatives IAWA's Legislative

and PFAS Subcommittees, along with Commissioners and staff from the Metropolitan Water Reclamation District of Greater Chicago, met to discuss continued efforts on developing draft trust fund legislation and engage with legislators to advance the LRB draft legislation developed by IAWA and MWRD. There was no further action in Springfield on this draft legislation, which was proposed to replace the language in HB4702, as this and other PFAS-related bills did not pass their assigned committees by the Speaker of the House's established deadline. The group also discussed approaches to address outstanding technical, policy, and format issues to further develop the trust fund language. For the next legislative session, the group plans to continue addressing these issues and develop a strategy for engaging other stakeholders to develop the trust fund language and advance the legislation.

PFAS Receivers Group:

IAWA is a member of the PFAS Receivers Group, which includes over three dozen entities representing drinking water, wastewater treatment, stormwater management, and water recycling facilities, municipal solid waste landfills, composting facilities and biosolids associations. The Group held a virtual meeting on June 6, 2024, to review and discuss some of the legislative and regulatory items summarized above.

Outreach Activities:

Some municipalities across the country, including some IAWA members, have been receiving emails from their citizens advocating for a ban on the land application of biosolids. These emails are generated through an organization called GMO/Toxin Free USA (toxinfreeusa.org), which provide form language on its website and encourages the public to send these messages to their local municipalities. A set of talking points developed by the PFAS Ad-hoc Subcommittee in collaboration with Midwest Biosolids Association was distributed to IAWA members for use in responding to emails from their citizens. The talking points help to clarify ongoing efforts of USEPA and the wastewater treatment industry to address safety concerns and to use land apply biosolids in compliance with current regulations.

Member Spotlight

Sanitary District of Decatur, Illinois: Soil samples from six farm field sites were collected in November 2023 for PFAS analysis using EPA Method 1633. Samples were collected at the depths of six inches and twelve inches at each field site. Two of the fields had never been used for land application of biosolids, two of the fields had biosolids applied at agronomic rate within the past 3-5 years (2018 and 2019), and two of the fields had biosolids applied in 2022. PFAS were detected at both soil depths in all six fields. The two sites that had never been used for land application of biosolids showed detections of PFAS at similar levels as the sites that had been used for land application of biosolids. In both the application and non-application fields, levels of PFOA ranged from 0.3 to 1.7 ug/kg (average 0.8 ug/kg) and PFOS was 0.2 to 8.4 ug/kg (average 3.1 ug/kg). This data shows that PFAS in agricultural soils are likely from sources other than municipal biosolids. Some of these sources are possibly fertilizers and agrochemicals that are applied to farmland.