AGENDA

KANKAKEE RIVER METROPOLITAN AGENCY MEETING
Thursday, October 26, 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. September 28, 2023 – Regular Board Meeting

IV. **Presentation of Audit Report from Sikich**

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. Hauled in Waste Report
  3. Flows Graphs
- D. Communications

VI. **Old Business**
- A. Bradley Property Update
  1. Timeline for Sale of Bradley Property
- B. Kimley-Horn/Bradley Report

VII. **New Business**
- A. Approval of Audit Report
- B. Review and Discussion of RFPs for 401(k) for KRMA Employees
- C. Review and Consideration of 2024 Agenda and Board Meeting Dates

VIII. **Executive Session**
- A. Personnel & Probable or Imminent Litigation

IX. **Next Meeting**
Thursday, November 16, 2023 (9:00 AM in KRMA Boardroom)

KANKAKEE RIVER METROPOLITAN AGENCY
MINUTES
September 28, 2023 – 9:00 A.M
1600 W Brookmont Blvd.

In attendance:

Board of Directors:

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

Administration:

Dave Tyson, KRMA Executive Director
Carmen Huizenga, Smith, Koelling, Dykstra & Ohm, P.C

Attorney:

Christopher Gorman, Robbins Schwartz

KRMA Staff:

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

Other:

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

Chairman, Mayor Curtis called the meeting to order.

I. **Roll Call**
Roll Call was taken. All Board members were present, except for Dir Robert Romo.

II. **Public Comment**
None

III. **Approval of Board Minutes August 24, 2023 – Regular Board Meeting**
Motion to approve the August 24, 2023, Regular Board Meeting minutes was made by: Dir. Hunter and seconded by Vice Chairman Schore. All board members present voted in favor of, Dir Robert Romo absent. Motion Carried.

IV. **Reports**
A. **Operations & Maintenance Report**

Dir Robert Romo joined the meeting.

Monthly Report
Art presented the MOR. Art stated the plant has been performing well for the past three months.

Alternate Mayor Michael Watson joined the meeting.

Dir Hunter asked for an updated on the Covid testing performed on the plant. Melanie responded, stating, that program is continuous, they take a portion of our daily effluent sample. In doing so, they provide us with graphs and numbers regarding the studies and Covid seems to be stable. They also started screening for effluent of ALB

(Aquatic Life Benchmark), RSV (Respiratory Syncytial Virus), and Monkey Pox. Melanie stated she can provide a copy of the report in next month's MOR, and it is also kept in the bulletin board. Dir Romo stated since BOD and NH3 is down due to CSL Pretreatment Program and not taken Newton County, he would like to take another look at the expansion. He also stresses his concern about having to FOIA information that is provided to KRMA. There was rebuttal of opinions on the separation of City of Kankakee and KRMA. Dir Hunter asked Dir Romo to clarify his data on BOD and NH3 and the justification for not expanding the plant. Dir Romo responded. Art added, numbers can change very quickly with flow, with us having low flow plays a big part. There was more discussion regarding the expansion for additional capacity and industrial pretreating. Art added that in wastewater treatment, you do not want to get behind, you want to look forward due to growth within the communities and you must be prepared and able to treat the wastewater.

B. **Executive Director Report**

1. Water, Gas & Electric Use/Cost
   Exec. Dir. Dave Tyson presented the yearly utility usage. He stated electricity is slightly higher due to generator still being down. Dustin informed everyone, parts did come in and they are installed, now we are just running test.
2. Hauled In Waste Summary
   Exec. Dir. Tyson stated hauled in waste is consistent from the last few months, since we have not taken any waste from Newton County. Exec Dir Tyson informed the board They have tried to reach out to Newton County to inform that we are able to take one load from them per day. We have not heard back from them yet. Hauled in waste is down this for the month of September, not sure if we are going to get a million gallons next month. Dir Hunter asked is there a reason it is down. Art replied, weather does play a big part. When you get a lot of rain you will see an increase and with dry weather you will see those numbers drop.
3. Operations Report
   Exec Dir Dave Tyson stated our generator will back up soon. The RFPs for the 401(k) is due back by October 12, 2023. Exec Dir Tyson introduce Michelle Howard, KRMA's new Administrative Assistant. He also offers a copy of KRMA's new Organizational Chart. Exec Dir Tyson also informed the board that they also been contact with the new plant in Manteno, IL to see if Aqua going to pretreat. Dir Hunter asked with KRMA's management team and board members go to other facility and see how they run their plant. Exec Dir Tyson stated they would be interested in doing so. Exec Dir Tyson gave the board member the prospective 2024 Agenda and Board Meeting dates for review.

C. **Financial Report**

1. Reports
   Carmen Huizenga presented the financial statements, stating the cash position is up slightly from August of last year. Statement of Revenue/Expenses/Changes of Net Position, hauled in waste is down via budget. IT and software expense is over budget due to the SCADA Equipment. Operation and Maintenance chemicals is over budget for the month, however, not for the YTD. Repairs of maintenance equipment your inline with YTD budget. Electric bill is over budget. Also, your change of net position YTD is over budget.
2. Hauled In Waste Report
   None
3. Flows Graphs
   Carmen Huizenga stated we only 4 months in the year, we will continue to keep tracking the flows on the graph.

D. **Communications**
   None

V. **Old Business**

A. **Bradley Property**

1. **Timeline for Sale of Bradley Property**
   None

B. **Kimley-Horn/Bradley Report**
   None

VI. **New Business**

A. **Draft Audit Report**
   Carmen Huizenga presented the Draft Audit Report, informing the board what is omit from the draft. Chairman Curtis asked if the board member can be emailed a final Audit Report. Vice Chairman Schore stated on page 16

there is an error regarding percentage of ownership. He asked for the wording to be changed from intended to initial.

B. **Motion to Approve Assistant Superintendent Salary**

Motion to Approve Assistant Superintendent Salary was made by Dir Hunter and seconded by Dir Romo. All board members present voted in favor of. Motion Carried.

VII. **Executive Session**

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

None

VIII. **Next Meeting**

Next Regular Board Meeting- **Thursday, October 26, 2023 (9:00 A.M. at KRMA Board Room)**

Motion to Adjourn was made by: Dir Osenga and seconded by Dir Stump. Motion Carried.

KRMA

Kankakee River Metropolitan Agency

Providing Wastewater Treatment to the Kankakee River Valley

Monthly Operations Report

September 2023

KRMA's SEPTEMBER HIGHLIGHTS:

The Kankakee River Metropolitan Agency has participated with Wastewater Surveillance System to track COVID – 19 for this new initiative "aimed at evaluating drug usage on a national level." The National Institute on Drug Use (NIDA) is collaborating with the Department of Health and Human Services (HHS) to collect this data from clean water utilities.

The NIDA details are:

- Duration: Now through August 31, 2024.
- No cost associated with participation.
- One influent wastewater sample, every two weeks. Flow is required with each sample.
- Substances tested for includes Methamphetamine, cocaine, fentanyl, Xylazine and naloxone.

Other details:

- Data will be made available to utilities after the initial few months of the program.
- The information will "contribute to a nationwide effort to combat substance abuse, allowing policy makers and public health officials to make data- drive-driven decisions."
- The data will allow for proactive intervention and "by monitoring these substances, public health officials can identify emerging trends and take proactive measures to address public health concerns swiftly."

The month of September, 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)	316.07	202.34	79.933	32.810	0.978
Daily Average Flow (MGD)	10.54	6.74	2.664	1.094	0.033

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**	**7.00 SU**
Chlorine Residual	**0.05 mg/l**	**0.014 mg/l**
Fecal Coliform	**400/100 ml**	**19/100 ml**

ODOR ISSUES:

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

4.0 PERSONNEL

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

John Lund, O & M Operator Specialist, 5 years

Maxwell Gossett, O & M Operator Specialist, 5 years

Arthur Strother, Superintendent, 38 years

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:	794
Hours of Scheduled Work Orders Performed:	687.29

6.0 SLUDGE HANDLING

Start Date: 09/01/2023
End Date: 09/30/2023

Gallons of sludge produced and sent to thickening:	1,768,976.00
Gallons of sludge put into storage after thickening:	609,600.00
Sludge removed from the plant for land application:	0
Sludge remaining in storage:	1,535,000.00

7.0 WATER USAGE

SEPTEMBER 2023 (29 DAYS): 46,440 CU FT= 347,400 GALS. = $3113.16

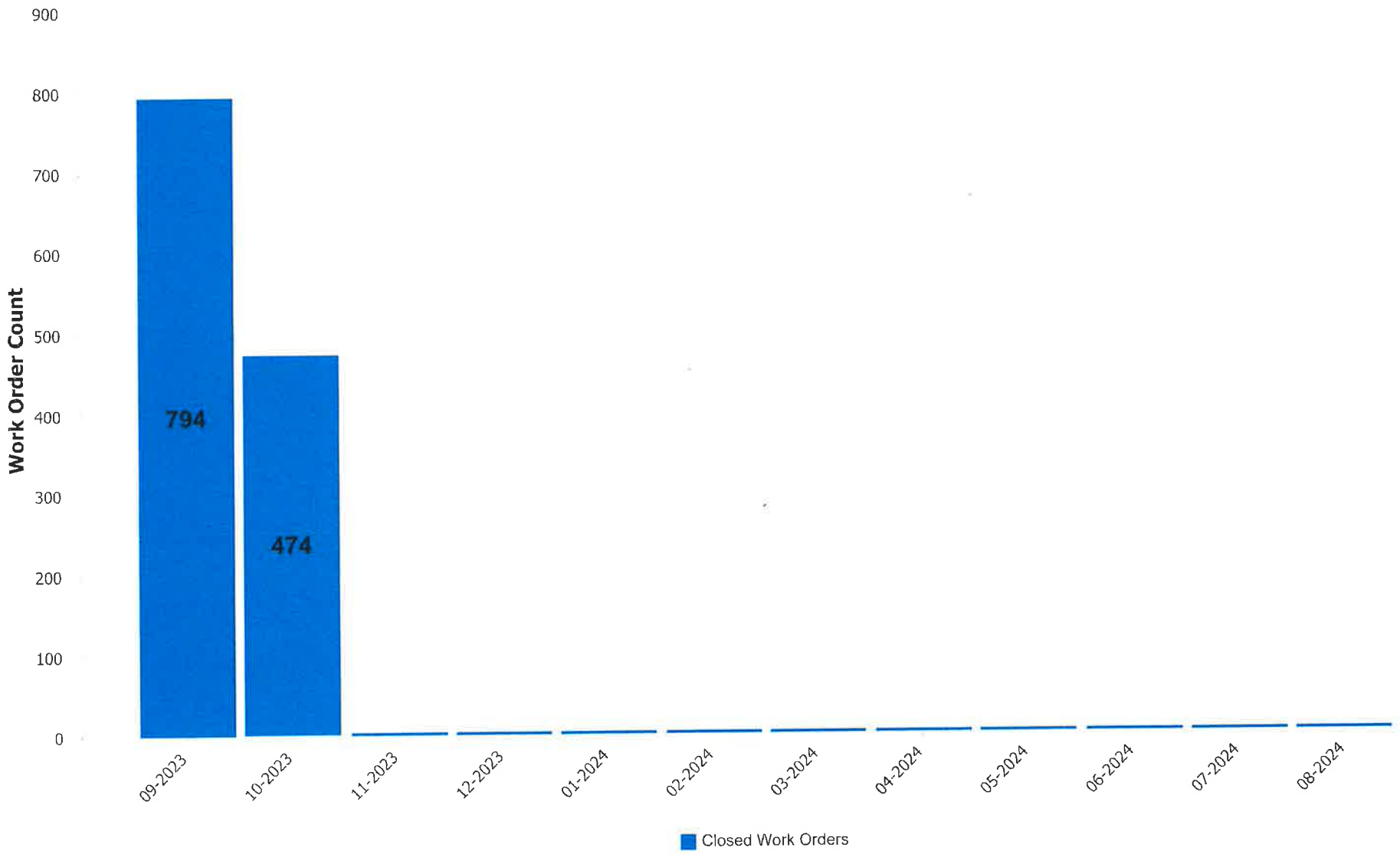
NUMBER OF DAYS IN THE BILLING CYCLE: 29

Preserving Our Clean River Legacy...
KRMA
Kankakee River Metropolitan Agency

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

Work Orders Closed By Month

From September, 2023 to August, 2024

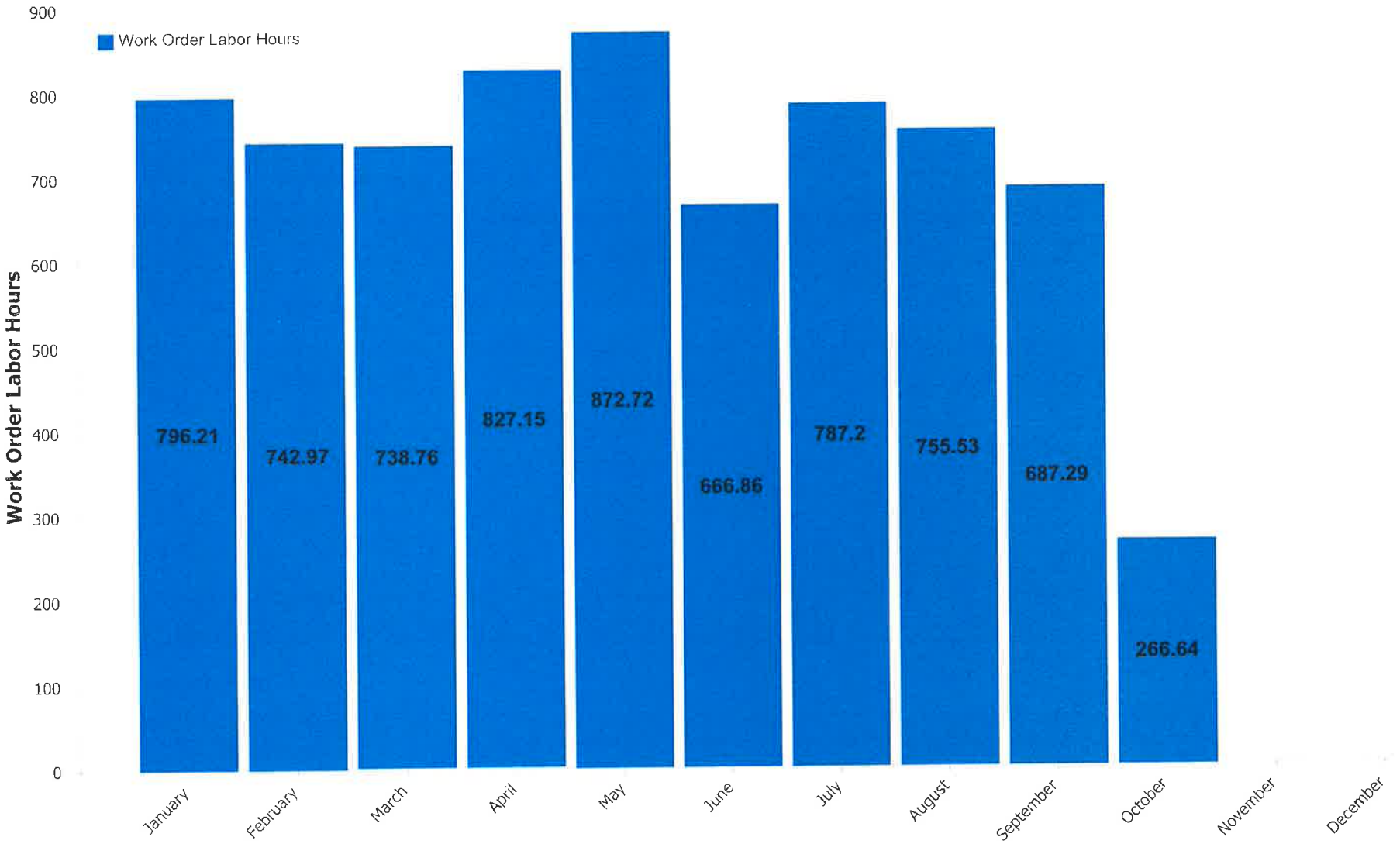


Preserving Our Clean River Legacy...
KRMA
Kankakee River Metropolitan Agency

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

Work Order Labor Hours by Month

2023



KANKAKEE RIVER METRO AGENCY
Wastewater Report, September 2023

For updates on your plant in-between these monthly reports, please visit our wastewater dashboard https://iwss.uillinois.edu

LOCATION: KANKAKEE RIVER METRO AGENCY (Kankakee County)

Catchment Information	
Population Served	56,317
NPDES	IL0021784
zipcode	60901
IL Covid Region	7

SARS-CoV-2 LEVELS IN WASTEWATER

Wastewater is analyzed using digital PCR (dPCR) to determine the concentration of the SARS-CoV-2 virus in a sample. The nucleocapsid protein (N) gene of the virus is targeted in the assay, and results are reported in gene copies per liter of starting wastewater.

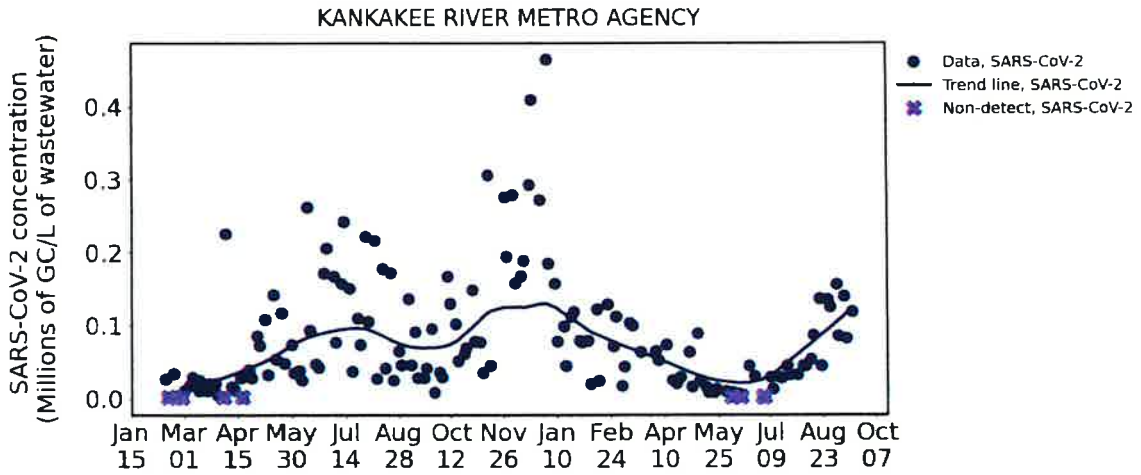


Figure 1. Time series plot of SARS-CoV-2 viral concentrations in millions of gene copies per liter (GC/L) of wastewater.

SARS-CoV-2 SAMPLING RESULTS - LAST 8 SAMPLES

Date	SARS-CoV-2 (GC/L)
2023-09-18	118,650
2023-09-13	82,725
2023-09-11	139,950
2023-09-06	84,975
2023-09-05	156,525

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2023-08-30	125,625
2023-08-28	**135,450**
2023-08-23	45,075

SARS-CoV-2 LINEAGES IN WASTEWATER

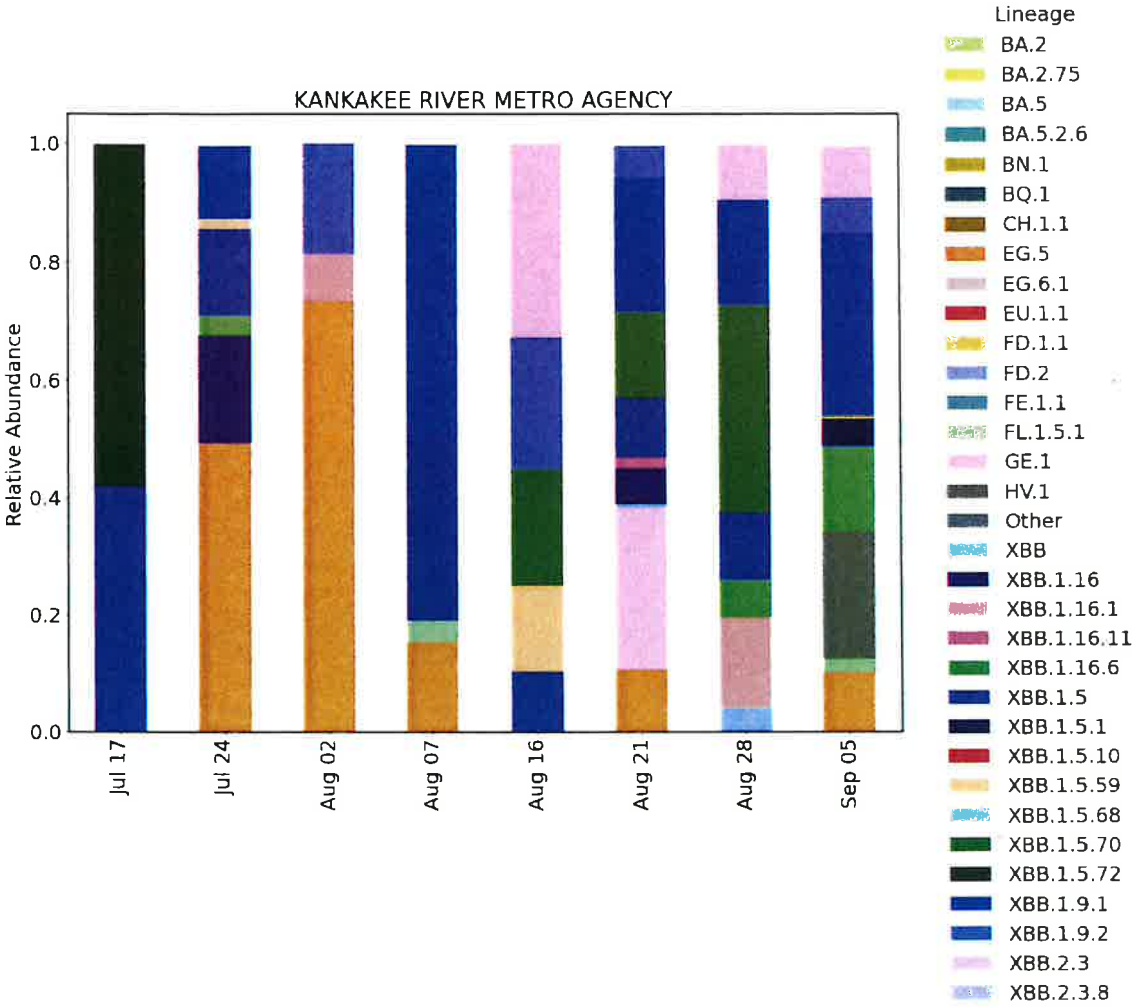

Figure 2. Stacked barplot showing the relative abundances of SARS-CoV-2 lineages in wastewater samples. All lineages in the legend, excluding "Other," are associated with Omicron. The most recently available two months worth of data are shown.

INFLUENZA A/B LEVELS IN WASTEWATER

Wastewater is analyzed using digital PCR (dPCR) to determine the concentration of influenza A and influenza B viruses in a sample. Results are reported in gene copies per liter of starting wastewater.

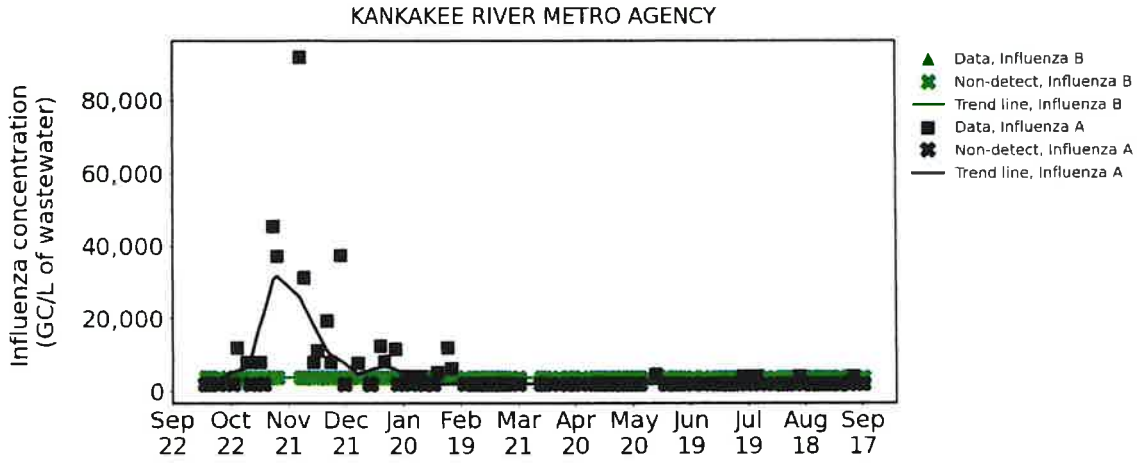

Figure 3. Time series plot of Influenza A/B viral concentrations in gene copies per liter (GC/L) of wastewater.

INFLUENZA A/B SAMPLING RESULTS - LAST 8 SAMPLES

Date	Influenza A (GC/L)	Influenza B (GC/L)
2023-09-18	**Non-detect**	**Non-detect**
2023-09-13	4,125	Non-detect
2023-09-11	**Non-detect**	**Non-detect**
2023-09-06	Non-detect	Non-detect
2023-09-05	**Non-detect**	**Non-detect**
2023-08-30	Non-detect	Non-detect
2023-08-28	**Non-detect**	**Non-detect**
2023-08-23	Non-detect	Non-detect

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RSV LEVELS IN WASTEWATER

Wastewater is analyzed using digital PCR (dPCR) to determine the concentration of Respiratory Syncytial Virus (RSV) in a sample. Results are reported in gene copies per liter of starting wastewater.

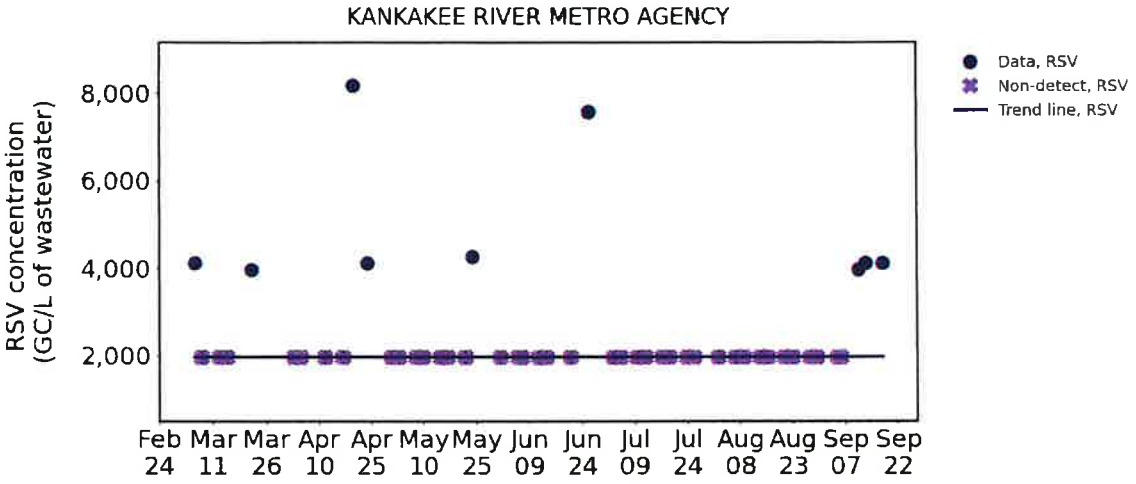

Figure 4. Time series plot of RSV viral concentrations in gene copies per liter (GC/L) of wastewater.

RSV SAMPLING RESULTS - LAST 8 SAMPLES

Date	RSV (GC/L)
2023-09-18	**4,125**
2023-09-13	4,125
2023-09-11	**3,975**
2023-09-06	Non-detect
2023-09-05	**Non-detect**
2023-08-30	Non-detect
2023-08-28	**Non-detect**
2023-08-23	Non-detect

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Guide to Interpreting Data on SARS-CoV-2, Influenza, & Respiratory Syncytial Virus (RSV) Gene Copies in Wastewater Samples

What do the results mean?

There are several factors to consider when interpreting viral data in wastewater. The rate, magnitude, and duration of shedding may vary from one person to another and from virus to virus, thus how or even whether it is possible to translate viral levels in wastewater into precise community health metrics is an open scientific question. It is only appropriate to monitor and observe the trends of viral gene copies detected in a community over time. The data presented in tables, graphs, and trend assessments show the concentration of RNA copies in the wastewater area from the community where the wastewater was collected. A significant increase in viral gene copies over time is an indicator that cases may be increasing in the community. Wastewater data should not be interpreted in isolation but rather considered alongside other public health metrics.

What does the number that is reported on a sample day mean?

It is a measure of how many gene copies are present in a sample, typically reported as gene copies per liter of wastewater (GC/L). Samples are typically obtained from municipal wastewater treatment plants and reflect inputs of viral material shed by the community served by the treatment plant. This number does not indicate gene copies per person or population.

How are the gene copies measured in the wastewater?

Wastewater samples are first processed to concentrate and isolate genetic material (RNA) that is present in the sample. RNA sequences specific to SARS-CoV-2, influenza A & B, and RSV are then detected and quantified using a molecular biology tool called digital polymerase chain reaction (dPCR). During dPCR, a targeted segment of the RNA is converted to DNA and then amplified (copied many times) so it can be detected by laboratory instruments. Specific methods for sample processing and PCR-based quantification differ among wastewater monitoring projects and analytical laboratories.

What does it mean if a data point for a sample is 0 or a non-detect?

A non-detect means that the amount of SARS-CoV-2, influenza, or RSV RNA in the wastewater sample is below the level that can be reliably detected by the quantification methods used in a given laboratory. A determination of non-detect does not necessarily mean that no viral RNA is present in the sample or in the system – rather that the levels are low enough that they cannot be reliably determined. In some cases, other components of wastewater may interfere with individual measurements, leading to an incorrect non-detection similar to false negatives that can occur from at-home and clinical testing. A non-detect does not necessarily mean that there are no infected individuals within the associated community.

What is the viral gene copy trend line?

The trend line is calculated using Locally Weighted Scatterplot Smoothing (LOWESS), a local regression analysis. It allows us to see the change in trend over time by fitting a curve to the data. This method is useful because it reduces the influence of outliers, and wastewater data can be highly variable. LOWESS is a more complex extension of the moving average.

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Does the number of gene copies in a sample tell us how many people are sick?

There are not presently agreed-upon methods for translating concentration of SARS-CoV-2, influenza, or RSV genetic material in wastewater into a measure of how many people, or even what percentage of a community, have COVID-19, flu, or RSV, respectively. Variability between different wastewater sources, treatment facilities, and communities makes it difficult to translate the SARS-CoV-2, influenza, or RSV concentrations into a measure of how many people are infected in the community. However, an upward or downward trend in viral gene copies per liter of wasterwater generally suggests a similar trend in the number of people infected within a given community.

Can I compare the number of gene copies in a sample from site to site?

Because each community has a different mix of wastewater inputs, different populations, and different wastewater systems, it is not appropriate to compare viral gene copy numbers among communities. Instead, trends in SARS-CoV-2, influenza, or RSV concenentrations from a specific community over time can be used to help understand whether cases or hospitalizations are likely to increase or decrease in the community. Sample collection methods and mechanisms, collection times, and sample variability are other factors that discourage cross-site comparison.

Can I compare the gene copies of different pathogens to one another?

Because each pathogen is distinct, it is not appropriate to compare their viral gene copy numbers, even at the same site. Instead, trends in SARS-CoV-2, influenza, or RSV concentrations (increasing/decreasing) can be used to understand if cases or hospitalizations for each pathogen are likely to increase or decrease in the community.

Guide to Interpreting Data on SARS-CoV-2 Lineages in Wastewater Samples

What are lineages and how are they determined?

Wastewater is sequenced to determine the variants of SARS-CoV-2 virus present in a sample, a proxy for circulating variants in the community. Our sequencing strategy utilizes the entire genome of SARS-CoV-2 to identify mutations that are diagnostic of variants of the virus. Full genome coverage gives us better resolution for distinguishing variants, especially those very similar to each other. Variant names and lineage relationships are determined by the World Health Organization (WHO).

Variant: A genome that contains a particular set of mutations.

Mutation: A change in the genetic information introduced during viral replication.

Lineage: A collection of variants all related to each other based on analysis of the virus genomic sequence.

What is the sequencing plot showing me?

This plot is displaying the relative abundance, or proportion, of lineages found in a wastewater sample collected on a particular date. This plot was generated after comparing sample sequences to a SARS-CoV-2 reference genome and identifying characteristic mutations that are

associated with different variants. We then calculate the percentage of each variant present in the sample. This plot summarize the variant detections; lineages are displayed, as there are often many variants detected that are in the same lineage.

What do the results mean?

The SARS-CoV-2 variants identified in a particular plant's wastewater can provide insight into the variants circulating in the population that the plant serves. This information can be useful, as there tend to be fewer clinical sequences, and those might only reflect a small proportion of the community feeling sick enough to pursue testing. The wastewater samples passively capture the virus shed in wastewater from the community where the wastewater was collected, not just those who are symptomatic. Wastewater data is not interpreted in isolation but rather considered alongside other public health metrics.

Does the number or type of lineages tell us how many people are sick?

We cannot tell how many people are sick from the lineages observed in the wastewater. We can only see relative proportions of the variants that are present in the community served by the wastewater treatment plant. We do pay attention to specific mutations that have been identified as having clinical implications (e.g., for effectiveness of medications or disease severity).

Can I compare the lineages in a sample from site to site?

Yes. We often detect variants in a particular plant first, and then see the relative abundance change over time, with certain lineages becoming more prevalent across the state from plant to plant. We compare these detections to sequence data from across the United States and the world.

Why are the dates of the sequencing data not as current as the gene copies data?

Sequencing results are available about two weeks after sample collection. This is because the quantification of SARS-CoV-2 levels by dPCR happens first, and then genetic material (RNA) is sent for sequencing. Additionally, samples then take multiple days to run on the sequencer and computational processing of sequences takes additional time before results are available.

Why do the lineages in the legend change periodically?

The lineages shown in the sequencing plot of this report are in alignment with the CDC's national genomic surveillance system. As the SARS-CoV-2 virus mutates, new variants emerge. This means there are regularly new variants that contribute to the spread of COVID-19. Some variants will disappear while others will continue to spread and even replace others as the dominant variant. These monthly reports reflect those changes as we continue to monitor for emerging variants of concern.

ATTACHMENT

A

DMR Monthly Report

9/1/2023 to 9/30/2023

Var #	452	159	119	236	454	351	113	237	386
Date	EFF FLOW MGD	001 Eff pH STD UNIT	FINAL EFF TSS mg/L	Weekly ave Eff TSS MG/L	EFF TSS LBS/D	WeeklyAveEffTSS LBS/Day	EFF-C-BOD mg/l	Weekly Ave EffCBOD MG/L	EFF C-BOD lbs\day
9/1/2023	9.158	7.02	17		1,298				
9/2/2023	8.951		19	19	1,418	1,459	5	6	373
9/3/2023	8.762		12		877		3		219
9/4/2023	8.628		13		935		5		360
9/5/2023	8.819	7.01	18		1,324		5		368
9/6/2023	15.930	6.97	20		2,657		4		531
9/7/2023	16.807	7.03	14		1,962		5		701
9/8/2023	11.142	7.06	12		1,115				
9/9/2023	10.209		14	15	1,192	1,438	4	4	341
9/10/2023	9.881		12		989		4		330
9/11/2023	10.793	6.97	15		1,350		5		450
9/12/2023	11.953	6.86	11		1,097		4		399
9/13/2023	12.301	6.96	12		1,231		6		616
9/14/2023	10.528	7.03	12		1,054		3		263
9/15/2023	9.852	6.99	11		904				
9/16/2023	9.725		14	12	1,135	1,109	4	4	324
9/17/2023	10.922		14		1,275		4		364
9/18/2023	11.630	6.88	13		1,261		4		388
9/19/2023	10.321	7.01	12		1,033		4		344
9/20/2023	10.324	6.79	10		861		5		431
9/21/2023	9.959	7.25	17		1,412		4		332
9/22/2023	10.144	6.94	8		677				
9/23/2023	10.718		9	12	804	1,046	3	4	268
9/24/2023	9.902		10		826		4		330
9/25/2023	9.380	6.96	11		861		5		391
9/26/2023	9.726	7.18	6		487		4		324
9/27/2023	10.259	7.12	10		856		4		342
9/28/2023	10.227	6.96	8		682		4		341
9/29/2023	9.766	7.03	6		489				
9/30/2023	9.348		9	9	702	700	4	4	312

Minimum	8.628	***6.79***	6	9	487	700	3	4	219
Maximum	16.807	***7.25***	20	**19**	2,657	***1,459***	6	***6***	701
Average	10.536	7.00	***12***	13	***1,092***	1,150	***4***	4	***378***
Sum	316.065	140.02	369	67	32,764	5,751	106	23	9,443

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

DMR Monthly Report

9/1/2023 to 9/30/2023

Var #	352	187	191	401	101	450	115	451	455
Date	WeeklyAveEffCBOD LBS/Day	001 EFF CL2 mg/L	FECAL COLI 001 #/100ml	TOTAL INF FLOW MGD	INFLUENT BOD mg/L	INF BOD LOAD LBS/D	INFLUENT TSS mg/L	INF TSS LBS/D	BOD REMOVAL %
9/1/2023		0.009	6	9.16			60	4,583	
9/2/2023	466			8.95	109	8,137	494	36,878	95
9/3/2023				8.76	71	5,188	328	23,969	96
9/4/2023				8.63	207	14,895	244	17,558	98
9/5/2023		0.003	3	8.82	266	19,564	1,290	94,880	98
9/6/2023		0.008	4	15.93	234	31,088	1,390	184,670	98
9/7/2023		0.017	21	16.81	274	38,407	226	31,679	98
9/8/2023		0.017	15	11.14			280	26,019	
9/9/2023	420			10.21	195	16,603	270	22,989	98
9/10/2023				9.88	193	15,905	162	13,350	98
9/11/2023		0.014	237	10.79	133	11,972	584	52,568	96
9/12/2023		0.017	6	11.95	109	10,866	86	8,573	96
9/13/2023		0.013	2	12.30	151	15,491	230	23,596	96
9/14/2023		0.015	8	10.53	163	14,312	336	29,502	98
9/15/2023		0.017	1	9.85			338	27,772	
9/16/2023	397			9.73	286	23,196	414	33,578	99
9/17/2023				10.92	203	18,491	330	30,060	98
9/18/2023		0.010	9	11.63			300	29,098	
9/19/2023		0.019	3	10.32			328	28,233	
9/20/2023		0.017	15	10.32	410	35,302	1,404	120,887	99
9/21/2023		0.014	16	9.96	334	27,741	328	27,243	99
9/22/2023		0.024	5	10.14			390	32,994	
9/23/2023	355			10.72	130	11,620	672	60,069	98
9/24/2023				9.90	236	19,490	538	44,429	98
9/25/2023		0.020	14	9.38	178	13,925	304	23,782	97
9/26/2023		0.014	4	9.73	177	14,357	144	11,681	98
9/27/2023		0.016	3	10.26	282	24,128	350	29,946	99
9/28/2023		0.006	5	10.23	296	25,247	350	29,853	99
9/29/2023		0.011	4	9.77			282	22,968	
9/30/2023	340			9.35	166	12,942	210	16,372	98

Minimum	340	0.003	1	8.63	71	5,188	60	4,583	95
Maximum	***466***	***0.024***	***237***	16.81	410	38,407	1,404	184,670	99
Average	396	0.014	19	10.54	209	18,646	422	37,993	98
Sum	1,977	0.281	381	316.07	4,803	428,868	12,662	1,139,777	2,246

Limit	***15012***	***0.05***	***400***						

DMR Monthly Report

9/1/2023 to 9/30/2023

Var #	456	1040	1041	1042	1043	255	297	953	1023
Date	TSS REMOVAL %	North Effluent DO - SCADA mg/l	South Effluent DO - SCADA mg/l	Daily Average Effluent DO mg/l	Effluent DO weekly average mg/l	FINAL EFF NH3N mg/L	Eff Nitrogen # #/day	Eff_Total Phosphorus- TP(TNT) mg/l	Effluent Total Nitrogen mg/l
9/1/2023	72	7.03	7.03	7.03					
9/2/2023	96	6.94	6.95	6.95	7.04				
9/3/2023	96	6.96	7.02	6.99					
9/4/2023	95	7.01	7.06	7.04		1.40	100.74	1.02	
9/5/2023	99	6.84	6.91	6.88		0.05	3.68	3.21	
9/6/2023	99	6.65	6.83	6.74		0.05	6.64	2.66	11.02
9/7/2023	94	6.86	7.11	6.99		0.05	7.01	0.38	
9/8/2023	96	6.84	7.12	6.98					
9/9/2023	95	6.87	7.17	7.02	6.95				
9/10/2023	93	7.03	7.27	7.15		0.21	17.31	0.43	
9/11/2023	97	7.05	7.12	7.09		1.80	162.02	0.59	
9/12/2023	87	7.13	7.02	7.08		0.58	57.62	0.42	
9/13/2023	95	7.01	7.06	7.04		0.20	20.21	0.38	11.76
9/14/2023	96	7.17	7.22	7.20		0.30	26.52	0.39	
9/15/2023	97	7.19	7.24	7.22					
9/16/2023	97	7.30	7.32	7.31	7.15				
9/17/2023	96	7.26	7.25	7.26		0.14	12.75	0.46	
9/18/2023	96	7.46	7.46	7.46		0.11	10.28	0.37	
9/19/2023	96	6.99	6.94	6.97		0.11	9.81	0.43	7.64
9/20/2023	99	7.08	7.09	7.09		0.06	5.17	0.39	
9/21/2023	95	7.15	7.22	7.19		0.05	4.15	0.23	
9/22/2023	98	7.04	7.07	7.06					
9/23/2023	99	7.11	7.13	7.12	7.16				
9/24/2023	98	7.24	7.32	7.28		0.05	4.13	0.16	
9/25/2023	96	7.49				0.05	3.91	0.16	
9/26/2023	96	7.40				0.05	4.06	0.18	
9/27/2023	97	7.31				0.05	4.28	0.18	
9/28/2023	98	7.21				0.05	4.26	0.16	8.32
9/29/2023	98	7.15							
9/30/2023	96	7.00			7.28				

Minimum	72	6.65	6.83	***6.74***	***6.95***	0.05	3.68	0.16	7.64
Maximum	99	7.49	7.46	7.46	7.28	***1.80***	***162.02***	3.21	11.76
Average		7.09	7.12	***7.09***	7.12	0.28	24.45	0.64	9.69
Sum	2,859	212.77	170.93	170.07	35.58	5.36	464.56	12.21	38.74

Limit				***min >4.0***	***>4.5***	***7.9***	***2965***		
				avg >6.0					

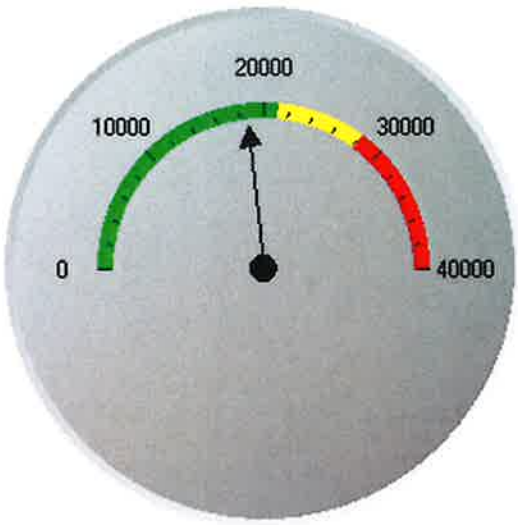
DMR Monthly Report

9/1/2023 to 9/30/2023

Var #	1044	1048	1045	102	116	1046	1047
Date	Fecal Coliform at EQ Basin col/100ml	EQ Basin Residual Chlorine mg/l	EQ Basin pH	EQ Basin_ BOD mg/L	EQ Basin _TSS mg/L	EQ Basin Ammonia Nitrogen mg/l	EQ Basin Total Phosphorus mg/l
9/1/2023							
9/2/2023							
9/3/2023							
9/4/2023							
9/5/2023							
9/6/2023							
9/7/2023							
9/8/2023							
9/9/2023							
9/10/2023							
9/11/2023							
9/12/2023							
9/13/2023							
9/14/2023							
9/15/2023							
9/16/2023							
9/17/2023							
9/18/2023							
9/19/2023							
9/20/2023							
9/21/2023							
9/22/2023							
9/23/2023							
9/24/2023							
9/25/2023							
9/26/2023							
9/27/2023							
9/28/2023							
9/29/2023							
9/30/2023							
Minimum							
Maximum							
Average							
Sum							
	400	***0.75***	***Range 6-9***				

Influent BOD loading Lbs - Monthly AVG ***18,646*** **Lbs./Day**

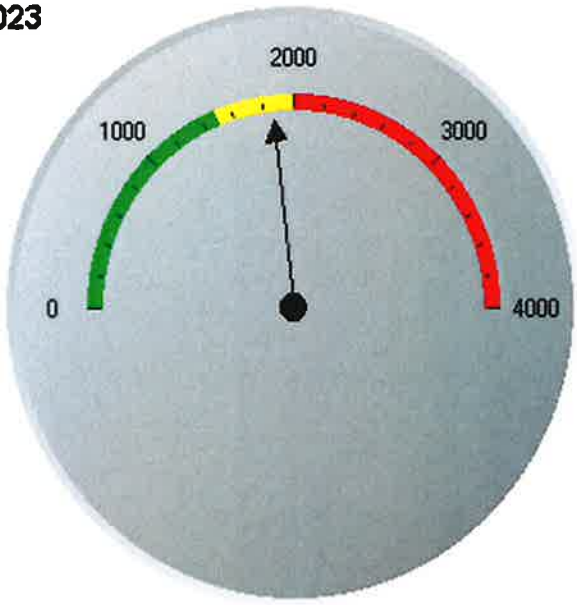
09/01/2023 - 09/30/2023



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

Influent NH3 loading Lbs - Monthly AVG ***1,861*** **Lbs./Day**

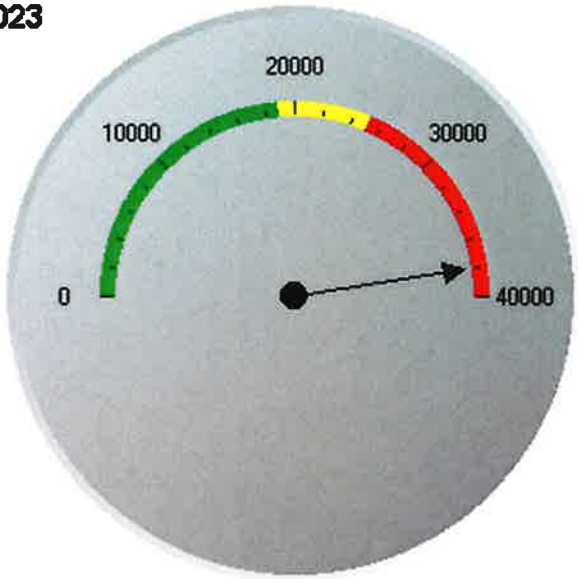
09/01/2023 - 09/30/2023



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

Influent TSS loading Lbs - Monthly AVG ***37,993*** **Lbs./Day**

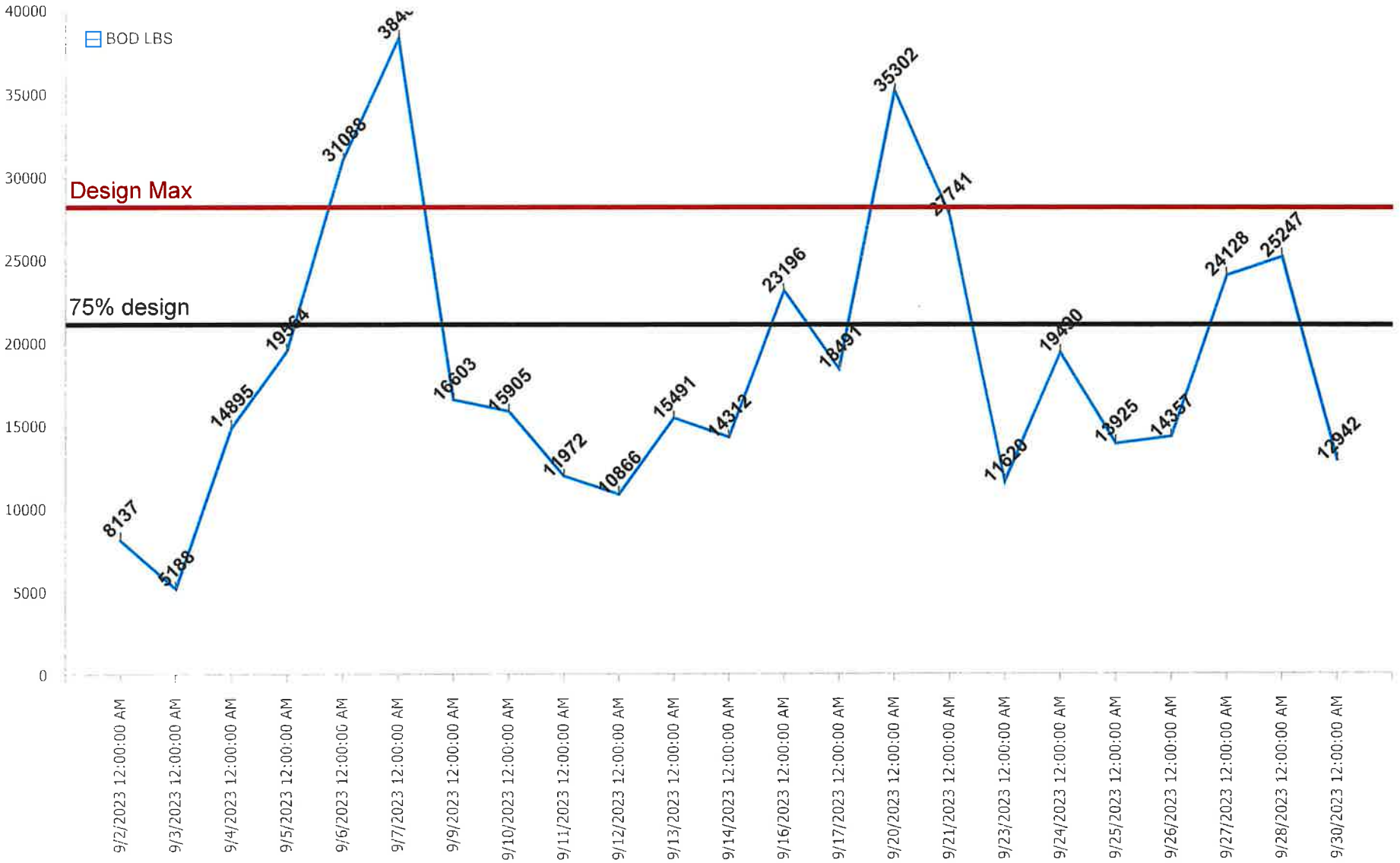
09/01/2023 - 09/30/2023



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

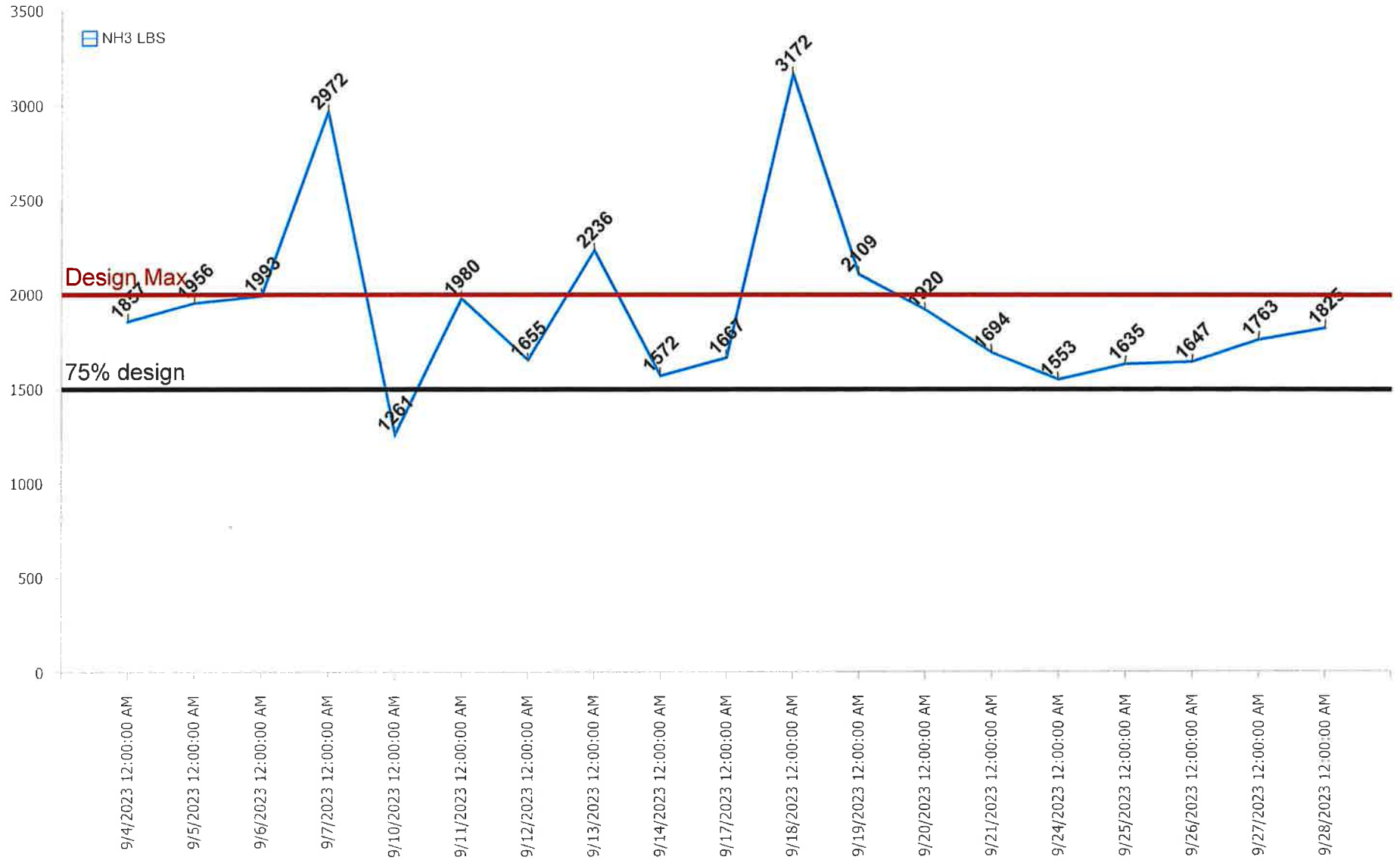
KRMA influent BOD pounds

Average Lbs. BOD: 18,646.39



KRMA influent NH3 pounds

Average Lbs. NH3: 1,919.32



ATTACHMENT

B

Flows

KRMA Treatment Facility

September, 2023

Date	PRECIPITA INCHES	PLANT MGD	Kankakee MGD	BOURB. MGD	BradleyFlow MGD	AromaPark MGD
9/1/2023	0.00	9.16	6.05	2.174	0.900	0.032
9/2/2023	0.00	8.95	5.89	2.178	0.850	0.032
9/3/2023	0.00	8.76	5.72	2.146	0.860	0.032
9/4/2023	0.00	8.63	5.45	2.315	0.830	0.032
9/5/2023	1.85	8.82	5.69	2.267	0.830	0.037
9/6/2023	0.00	15.93	9.24	4.294	2.350	0.044
9/7/2023	0.10	16.81	12.39	2.995	1.390	0.036
9/8/2023	0.00	11.14	7.30	2.712	1.100	0.033
9/9/2023	0.00	10.21	6.41	2.667	1.100	0.033
9/10/2023	0.21	9.88	6.26	2.582	1.010	0.033
9/11/2023	0.76	10.79	6.88	2.687	1.190	0.034
9/12/2023	0.00	11.95	7.48	3.042	1.390	0.038
9/13/2023	0.00	12.30	8.63	2.643	1.000	0.031
9/14/2023	0.00	10.53	7.00	2.505	0.990	0.031
9/15/2023	0.00	9.85	6.47	2.413	0.940	0.032
9/16/2023	0.00	9.73	6.31	2.384	1.000	0.032
9/17/2023	0.45	10.92	6.40	3.022	1.470	0.032
9/18/2023	0.00	11.63	7.88	2.707	1.010	0.034
9/19/2023	0.00	10.32	6.71	2.607	0.970	0.035
9/20/2023	0.00	10.32	6.78	2.533	0.980	0.030
9/21/2023	0.33	9.96	6.42	2.505	1.000	0.030
9/22/2023	0.00	10.14	6.13	2.972	1.010	0.030
9/23/2023	0.00	10.72	6.91	2.706	1.070	0.030
9/24/2023	0.00	9.90	6.20	2.619	1.050	0.030
9/25/2023	0.41	9.38	5.65	2.680	1.020	0.030
9/26/2023	0.07	9.73	5.83	2.897	0.970	0.032
9/27/2023	0.30	10.26	6.30	2.854	1.080	0.029
9/28/2023	0.02	10.23	6.25	2.753	1.190	0.030
9/29/2023	0.00	9.77	6.05	2.553	1.130	0.032
9/30/2023	0.00	9.35	5.67	2.521	1.130	0.032
Total	4.50	316.07	202.34	79.933	32.810	0.978
Average	0.15	10.54	6.74	2.664	1.094	0.033
Minimum	0.00	8.63	5.45	2.146	0.830	0.029
Maximum	1.85	16.81	12.39	4.294	2.350	0.044
# of data	30	30	30	30	30	30

ATTACHMENT

C

KRMA
Kankakee River Metropolitan Agency

SAFETY MEETING
October 10, 2023
9:30am & 1:30pm
Agenda

I. Safety Minutes

Review minutes from September 2023.

II. Old Business

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

III. New Business

A. Safety Training

1. Fire Safety/Extinguisher training; Liberty Fire Equipment
2. Fire Extinguisher handout; P.A.S.S.

B. Safety Concerns

C. Safety Team Leader Report

D. Open Discussion

1. Emergency response update
2. Wastewater Surveillance update

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

KRMA
Kankakee River Metropolitan Agency

SAFETY MEETING
September 14, 2023
9:30am
Minutes

In attendance:
9am session:
Melanie Gossett, Facilitator

Dan Combs	Shawn Malone	Nick Scheppler	Jim Churney
Ron Haney	Bryan Kennedy	Josh Peters	John Lund
Max Gossett	Mike Arseneau	Nick Tucker	Alex Bowser
RJ Tyson	Rob Forsman	Dave Tyson	Art Strother
Dustin Scheppler			

Absent: Shaun Ownbey, Jack Renchen

I. Safety Minutes

Reviewed minutes from August 2023 - Approved

II. Old Business

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

III. New Business

A. Safety Training

KRMA reorganization chart was discussed followed by the opportunity for Q&A

B. Safety Concerns

1. Will the sidewalk by clarifier #1 be repaired?

   ✓ Repair will require the rental of power equipment. In the interim, safety cones/tape have been placed in the area.

2. There was some confusion in regards to the KRMA reorganization and if safety concerns should now be directed to Dustin.

   ✓ Safety concerns will continue to be directed to Melanie, Safety Facilitator.

C. Safety Team Report

Safety Team Leader responsibilities transferred from Dan Combs to Max Gossett.

D. Open Discussion

1. Everyone was reminded of the River Clean-up event on Saturday from 8am-1pm.

2. Next month's Safety Meeting topic is Fire Safety. Liberty Fire Equipment will be here for the annual fire extinguisher training.

Next Meeting: Tuesday, October 10, 2023
9:30am & 1:30pm

ATTACHMENT

D

FIELD CALIBRATION SHEET

COMPANY: **KRMA** CITY: **BRADLEY/ RIVER DRIVE**

FLOW METER MODEL: **Isco Signature** **INFLUENT October 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 8.75" Level reading 8.974"
LEVEL AFTER: 8.79"
C) Actual Flow .88 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: 10/10/2023**

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 October 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 20 MGD AS Found 20.10 MGD
LEVEL AFTER: 19.98 MGD
C) Actual Flow 9.04 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: 10/10/23**

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: **BOURBONNAIS/New**

FLOW METER MODEL: **Isco Laser Flow** **INFLUENT October 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?
BLOCKAGE IN HEAD MEASURING DEVICE? NO
IS FLOW METER PROGRAMMED CORRECTLY? YES

CALIBRATION:

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

A) IF POSSIBLE, CUT-OFF FLOW & SET LEVEL TO 0.000FT
LEVEL BEFORE:
LEVEL AFTER:
B) IF FLOW CANNOT BE CUT-OFF, ADJUST LEVEL ON METER TO MEASURED POINT:
LEVEL BEFORE: Target level 16.0" As found 16.094"
LEVEL AFTER: 16.094"
C) Actual level 12.417" 2.53 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: 10/10/2023**

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 October 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 24.184"
LEVEL AFTER: 24.122"
D) Actual Flow 23.22 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: 10/10/2023**

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 October 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 24.110"
LEVEL AFTER: 24.123"
Actual Flow 52.54 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 10/10/2023**

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 October 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 20 MGD AS Found 19.58 MGD
LEVEL AFTER: 19.96 MGD
C) Actual Flow 9.04 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: 10/10/2023**

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 Influent**

FLOW METER MODEL: **Isco Laser Flow** **INFLUENT October 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 43.25" As found 43.217"
LEVEL AFTER: 43.217"
C) Actual level 24.00" 7.12 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: 10/10/2023**

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

ATTACHMENT

E

Preserving Our Clean River Legacy...
KRMA
Kankakee River Metropolitan Agency

Monthly Pretreatment Program Totals

September 2023

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

September 2023 Monthly Pretreatment Sample Analysis (metals, cyanide & VOA) for the permitted industries were a total of **48 samples** and a total of **252 analyses.**

Gilster-Mary Lee Corporation	1	Sample
Hoffman Transportation, LLC	6	Samples
Liberty Landfill, LLC	11	Samples
Livingston Landfill	5	Samples
Natural Gas & Pipeline Co. of America	4	Samples
Prairie View RDF	7	Samples
Tank Cleaning Solutions, LLC	14	Samples

Volumes Received for September 2023 for trucked-in industries.

Gilster-Mary Lee Corporation	6,000	gals	1	load
Hoffman Transportation, LLC	155,000	gals	31	loads
Liberty Landfill, LLC	507,316	gals	76	loads
Livingston Landfill	138,708	gals	21	loads
Natural Gas & Pipeline Co. of America	35,000	gals	7	loads
Prairie View RDF	122,440	gals	19	loads
Tank Cleaning Solutions, LLC	188,532	gals	36	loads
Verdant Specialty Solutions US LLC	0	gals	0	loads
Totals:	**1,152,996**	**gals**	**191**	**loads**

The KRMA Facility received a total of **209 loads** of septage which totalled **691,100 gallons** for the month of September 2023

Septic Hauler Summary 9/1/2023 To 9/30/2023

	Load Count	Gallons
Anthem Excavation & Demolition	61	305,000
H&S Septic	9	22,500
Jean's Septic, Inc.	1	3,600
Lee's Rental	14	4,600
Nature Calls, Inc.	85	255,000
Outback Pumping Service, Inc.	23	69,000
PAC Pumping	1	1,000
Sullivan Septic & Sewer Inc.	5	17,600
Titan Septic & Sewer	10	12,800
Totals:	209	691,100

KRMA YEARLY UTILITY USAGE - (2023)

KRMA ELECTRIC ENERGY USE

	Total KWH	Days	Total Cost $/month	Total Cost $/day	Hydro KWH	Methane KWH	Champion Energy KWH	KWH/HR (Avg)	$/KWH
JANUARY	814,907	33	$ 28,536	$ 865	-	157319	657,588	1,029	$ 0.0350
FEBRUARY	813,209	30	$ 28,607	$ 954	-	149,689	663,520	1,129	$ 0.0352
MARCH	828,155	30	$ 27,102	$ 903	-	207,461	620,694	1,150	$ 0.0327
APRIL	779,763	30	$ 44,543	$ 1,485	-	186,199	593,564	1,083	$ 0.0571
MAY	715,001	29	$ 43,938	$ 1,515	-	207,749	507,252	1,027	$ 0.0615
JUNE	725,435	33	$ 47,234	$ 1,431	-	182,334	543,101	916	$ 0.0651
JULY	608,823	31	$ 49,423	$ 1,594	-	32,938	575,885	818	$ 0.0812
AUGUST	593,240	29	$ 49,978	$ 1,723	-	-	593,240	852	$ 0.0842
SEPTEMBER	699,666	32	$ 55,641	$ 1,739	-	16,645	683,021	911	$ 0.0795
OCTOBER	0			#DIV/0!	-			#DIV/0!	#DIV/0!
NOVEMBER	0			#DIV/0!	-			#DIV/0!	#DIV/0!
DECEMBER	0			#DIV/0!	-			#DIV/0!	#DIV/0!
TOTAL	6,578,199	277	$ 375,002	#DIV/0!	0	1,140,334	5,437,865	#DIV/0!	#DIV/0!
	Total KWH	Days	Total Cost $/month	Total Cost $/day	Hydro KWH	Methane KWH	Mid-American KWH	KWH/HR (Avg)	$/KWH

KRMA WATER USE

	Gallons	Days	Total Cost $/Billing Period	Gallons/Day	Total Cost $/day
JANUARY	281,400	29	$ 2,334	9,703	80
FEBRUARY	237,600	28	$ 2,190	8,486	78
MARCH	284,500	33	$ 2,686	8,621	81
APRIL	247,400	28	$ 2,434	8,836	87
MAY	362,700	31	$ 3,215	11,700	104
JUNE	331,400	33	$ 3,003	10,042	91
JULY	366,700	28	$ 3,242	13,096	116
AUGUST	436,400	34	$ 3,715	12,835	109
SEPTEMBER	347,400	29	$ 3,113	11,979	107
OCTOBER				#DIV/0!	#DIV/0!
NOVEMBER				#DIV/0!	#DIV/0!
DECEMBER				#DIV/0!	#DIV/0!
TOTAL	2,895,500	273	$ 25,932	#DIV/0!	#DIV/0!
	Gallons	Days	Total Cost $/Billing Period	Gallons/Day	Total Cost $/day

KRMA NATURAL GAS USE

	Therms	Days	Total Cost $/Billing Period	Therms/Day	Total Cost $/day
JANUARY	41,951	32	$ 28,538	1311	$ 892
FEBRUARY	47,361	32	$ 30,829	1480	$ 963
MARCH	28,740	29	$ 25,312	991	$ 873
APRIL	28,404	30	$ 18,677	947	$ 623
MAY	22,356	31	$ 14,880	721	$ 480
JUNE	12,325	30	$ 8,403	411	$ 280
JULY	10,205	30	$ 2,203	340	$ 73
AUGUST	9,381	31	$ 6,460	303	$ 208
SEPTEMBER	8,706	30	$ 1,883	290	$ 63
OCTOBER				#DIV/0!	#DIV/0!
NOVEMBER				#DIV/0!	#DIV/0!
DECEMBER				#DIV/0!	#DIV/0!
TOTAL	209,430	275	$ 137,185	#DIV/0!	#DIV/0!
	Therms	Days	Total Cost $/Billing Period	Therms/Day	Total Cost $/day

Preserving Our Clean River Legacy.
KRMA
Kankakee River Metropolitan Agency

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

Annual Load / Gallon Totals

2023

Month Received	Gilster-Mary Lee Corporation	Hoffman Transportation, LLC	Kankakee Recycling & Disposal Facility	Lake County C&D Landfill	Laraway Recycling & Disposal Facility	Liberty 3 LFGTE Plant - Wabash Valley Power Alliance	Liberty Landfill, LLC	Livingston Landfill	Momence Packing	Momence Packing Company	Natural Gas & Pipeline Co. of America	Newton County Landfill	Peoria Packing Co.	Prairie View - Will County RNG Plant	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	204,884	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	390
June		160,000	21,000		5,647		874,891	139,778			5,000	179,466				366,123	193,769			1,949,674	316
July	6,000	130,000	7,000				696,445	129,270			55,000					174,189	204,243			1,402,147	238
August	30,000	155,000					721,041	137,550			30,000					146,673	209,480			1,429,744	244
September	6,000	155,000					507,316	138,708			35,000					122,440	188,532			1,152,996	191
October																					
November																					
December																					
Totals	**188,000**	**1,368,000**	**350,000**		**221,045**		**7,832,851**	**1,365,930**			**488,000**	**2,632,541**				**2,242,365**	**1,812,115**	**99,528**	**24,000**	**18,616,345**	**3,053**
Average	20,888	137,300	38,888		24,560		870,316	153,988			50,555	292,504				249,151	201,346	11,058	2,666	1,861,635	305
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	0.09	0.1	0.09	0	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	0.086	0.08	0.086	0	0	0.059	0.086	0.138	0.082		

Preserving Our Clean River Legacy
KRMA
Kankakee River Metropolitan Agency

Monthly TSS/BOD Loading Report

September, 2023

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

Hauler	Gallons	Lbs TSS	Lbs BOD
Gilster-Mary Lee Corporation	6,000	20	47
Hoffman Transportation, LLC	155,000	54	1,259
Liberty Landfill, LLC	507,316	3,036	7,864
Livingston Landfill	138,708	517	4,266
Natural Gas & Pipeline Co. of America	35,000	24	110
Prairie View RDF	122,440	83	1,667
Tank Cleaning Solutions, LLC	188,532	180	3,520
Totals:	**1,152,996**	**3,914**	**18,734**

Kankakee River Metropolitan Agency
Hauled in Waste Projection Analysis
For the Fiscal Year Ended 4/30/2024

Note: For accounting purposes, the HIW information listed below is based off of when it was billed. So each month is actually from HIW activity from the prior month.

Month	HIW Gallons Billed	HIW Billed	Ave Rate	Notes
May-23	2,581,874	180,678	0.070	Actual amount per issued interim financials
Jun-23	2,427,161	161,923	0.067	Actual amount per issued interim financials
Jul-23	1,945,674	133,017	0.068	Actual amount per issued interim financials
Aug-23	1,402,147	94,360	0.067	Actual amount per issued interim financials
Sep-23	1,429,744	96,190	0.067	Actual amount per issued interim financials
Oct-23	1,152,996	77,913	0.068	October HIW bills that have been recorded through 10/19 (Should be complete)
Nov-23	1,000,000	68,000	0.068	Projected - Gallons per KRMA management, Used Ave rate/gal, Calculated Amt Billed
Dec-23	1,000,001	68,000	0.068	Projected - Gallons per KRMA management, Used Ave rate/gal, Calculated Amt Billed
Jan-24	1,000,002	68,000	0.068	Projected - Gallons per KRMA management, Used Ave rate/gal, Calculated Amt Billed
Feb-24	1,000,003	68,000	0.068	Projected - Gallons per KRMA management, Used Ave rate/gal, Calculated Amt Billed
Mar-24	1,000,004	68,000	0.068	Projected - Gallons per KRMA management, Used Ave rate/gal, Calculated Amt Billed
Apr-24	1,000,005	68,000	0.068	Projected - Gallons per KRMA management, Used Ave rate/gal, Calculated Amt Billed
Projected HIW Charges FYE 2024	16,939,611	1,152,081		
Add: Projected Analysis Charges		325,000		Projected balance - estimated from three year average
Add: Projected Administrative Charges		50,000		Projected balance - estimated from three year average
Total Projected Hauled in Waste Income for FYE 2024		**1,527,081**		
Original Budgeted amount for Hauled in Waste		**1,750,000**		
Projected amount HIW will come in under budget		**222,919**		

For Fiscal Year Ended 4/30/2025
Assume similar gallons/month and rate continue through the entire next fiscal year

	HIW Gallons Billed	HIW Billed	Ave Rate
12 Months HIW Charges FYE 2025	12,000,000	816,000	0.068
Add: Projected Analysis Charges		340,000	
Add: Projected Administrative Charges		50,000	
Total Projected Hauled in Waste Income for FYE 2025		**1,206,000**	
FY 2024 Budgeted amount for Hauled in Waste		**1,750,000**	
Projected amount HIW will come in under budget		**544,000**	

KRMA Flows Report

	Kankakee Flows				Bradley Flows				Bourbonnais Flows				Aroma Park Flows					
	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	TOTALS	TOTALS
5/31/2021	346,570	346,570	65.99%	63.38%	60,497	60,497	11.52%	12.36%	116,826	116,826	22.24%	23.92%	1,290	1,290	0.25%	0.34%	525,183	1.000
6/30/2021	634,090	287,520	66.76%	63.38%	103,540	43,043	9.99%	12.36%	215,789	98,963	22.98%	23.92%	2,460	1,170	0.27%	0.34%	430,696	1.000
7/31/2021	930,320	296,230	70.61%	63.38%	137,501	33,961	8.10%	12.36%	304,021	88,232	21.03%	23.92%	3,562	1,102	0.26%	0.34%	419,525	1.000
8/31/2021	1162,810	232,490	67.69%	63.38%	166,666	29,165	8.49%	12.36%	384,716	80,695	23.49%	23.92%	4,699	1,137	0.33%	0.34%	343,487	1.000
9/30/2021	1369,410	206,600	66.65%	63.38%	193,616	26,950	8.69%	12.36%	460,262	75,546	24.37%	23.92%	5,600	0,901	0.29%	0.34%	309,997	1.000
10/31/2021	1787,590	418,180	67.50%	63.38%	265,529	71,913	11.61%	12.36%	587,784	127,522	20.58%	23.92%	7,475	1,875	0.30%	0.34%	619,490	1.000
11/30/2021	2068,130	280,540	65.59%	63.38%	314,880	49,351	11.54%	12.36%	684,120	96,336	22.52%	23.92%	8,937	1,462	0.34%	0.34%	427,689	1.000
12/31/2021	2315,330	247,200	60.47%	63.38%	362,817	47,937	11.73%	12.36%	796,476	112,356	27.48%	23.92%	10,246	1,309	0.32%	0.34%	408,802	1.000
1/31/2022	2567,800	252,470	64.39%	63.38%	408,584	45,767	11.67%	12.36%	889,113	92,637	23.63%	23.92%	11,455	1,209	0.31%	0.34%	392,083	1.000
2/28/2022	2952,230	384,430	66.67%	63.38%	471,548	62,964	10.92%	12.36%	1016,840	127,727	22.15%	23.92%	12,972	1,517	0.26%	0.34%	576,638	1.000
3/31/2022	3301,220	348,990	61.44%	63.38%	539,845	68,297	12.02%	12.36%	1165,653	148,813	26.20%	23.92%	14,880	1,908	0.34%	0.34%	568,008	1.000
4/30/2022	3673,760	372,540	63.95%	63.38%	608,424	68,579	11.77%	12.36%	1305,059	139,406	23.93%	23.92%	16,901	2,021	0.35%	0.34%	582,546	1.000
		3673,760	65.554%			608,424	10.857%			1305,059	23.287%			16,901	0.302%		5604,144	12.000

	Kankakee Flows				Bradley Flows				Bourbonnais Flows				Aroma Park Flows					
	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	TOTALS	TOTALS
5/31/2022	327,190	327,190	63.29%	65.55%	59,684	59,684	11.54%	10.86%	128,467	128,467	24.85%	23.29%	1,632	1,632	0.32%	0.30%	516,973	1.000
6/30/2022	589,310	262,120	67.13%	65.55%	36,566	36,566	9.36%	10.86%	90,737	90,737	23.24%	23.29%	1,047	1,047	0.27%	0.30%	390,470	1.000
7/31/2022	845,820	256,510	69.25%	65.55%	32,633	32,633	8.81%	10.86%	80,160	80,160	21.64%	23.29%	1,083	1,083	0.29%	0.30%	370,386	1.000
8/31/2022	1073,610	227,790	68.05%	65.55%	27,078	27,078	8.09%	10.86%	78,806	78,806	23.54%	23.29%	1,089	1,089	0.33%	0.30%	334,763	1.000
9/30/2022	1270,980	197,370	66.81%	65.55%	24,400	24,400	8.26%	10.86%	72,615	72,615	24.58%	23.29%	1,022	1,022	0.35%	0.30%	295,407	1.000
10/31/2022	1478,340	207,360	65.54%	65.55%	29,974	29,974	9.47%	10.86%	78,126	78,126	24.69%	23.29%	0,949	0,949	0.30%	0.30%	316,409	1.000
11/30/2022	1675,230	196,890	63.27%	65.55%	30,268	30,268	9.73%	10.86%	83,143	83,143	26.72%	23.29%	0,899	0,899	0.29%	0.30%	311,200	1.000
12/31/2022	1914,460	239,230	64.26%	65.55%	40,083	40,083	10.77%	10.86%	91,917	91,917	24.69%	23.29%	1,026	1,026	0.28%	0.30%	372,256	1.000
1/31/2023	2164,510	250,050	64.07%	65.55%	42,295	42,295	10.84%	10.86%	96,867	96,867	24.82%	23.29%	1,043	1,043	0.27%	0.30%	390,255	1.000
2/28/2023	2416,300	251,790	59.61%	65.55%	51,947	51,947	12.30%	10.86%	117,385	117,385	27.79%	23.29%	1,262	1,262	0.30%	0.30%	422,384	1.000
3/31/2023	2808,030	391,730	60.21%	65.55%	89,485	89,485	13.75%	10.86%	167,099	167,099	25.68%	23.29%	2,277	2,277	0.35%	0.30%	650,591	1.000
4/30/2023	3098,910	290,880	64.32%	65.55%	143,995	54,510	12.05%	10.86%	272,361	105,262	23.27%	23.29%	3,892	1,615	0.36%	0.30%	452,267	1.000
		3,098,910	64.248%			518,923	10.759%			1,190,584	24.684%			14,944	0.310%		4,823,361	12.000

	Kankakee Flows				Bradley Flows				Bourbonnais Flows				Aroma Park Flows					
	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	TOTALS	TOTALS
5/31/2023	241,200	241,200	63.06%	64.25%	42,940	42,940	11.23%	10.76%	97,296	97,296	25.44%	24.68%	1,078	1,078	0.28%	0.31%	382,514	1.000
6/30/2023	429,120	187,920	66.42%	64.25%	27,600	27,600	9.76%	10.76%	66,500	66,500	23.50%	24.68%	0,910	0,910	0.32%	0.31%	282,930	1.000
7/31/2023	634,720	205,600	61.28%	64.25%	35,730	35,730	10.65%	10.76%	93,260	93,260	27.80%	24.68%	0,920	0,920	0.27%	0.31%	335,510	1.000
8/31/2023	859,940	225,220	65.28%	64.25%	36,170	36,170	10.48%	10.76%	82,660	82,660	23.96%	24.68%	0,970	0,970	0.28%	0.31%	345,020	1.000
9/30/2023	1062,280	202,340	64.02%	64.25%	32,810	32,810	10.38%	10.76%	79,930	79,930	25.29%	24.68%	0,980	0,980	0.31%	0.31%	316,060	1.000
10/31/2023	1062,280		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	1062,280		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	1062,280		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	1062,280		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	1062,280		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	1062,280		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	1062,280		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
		1,062,280	63.914%			175,250	10.544%			419,646	25.249%			4,858	0.292%		1,662,034	5.000

Flows

KRMA Treatment Facility

September, 2023

Date	PRECIPITA INCHES	PLANT MGD	Kankakee MGD	BOURB. MGD	BradleyFlow MGD	AromaPark MGD
9/1/2023	.00	9.16	6.05	2.17	.90	.03
9/2/2023	.00	8.95	5.89	2.18	.85	.03
9/3/2023	.00	8.76	5.72	2.15	.86	.03
9/4/2023	.00	8.63	5.45	2.32	.83	.03
9/5/2023	1.85	8.82	5.69	2.27	.83	.04
9/6/2023	.00	15.93	9.24	4.29	2.35	.04
9/7/2023	.10	16.81	12.39	3.00	1.39	.04
9/8/2023	.00	11.14	7.30	2.71	1.10	.03
9/9/2023	.00	10.21	6.41	2.67	1.10	.03
9/10/2023	.21	9.88	6.26	2.58	1.01	.03
9/11/2023	.76	10.79	6.88	2.69	1.19	.03
9/12/2023	.00	11.95	7.48	3.04	1.39	.04
9/13/2023	.00	12.30	8.63	2.64	1.00	.03
9/14/2023	.00	10.53	7.00	2.51	.99	.03
9/15/2023	.00	9.85	6.47	2.41	.94	.03
9/16/2023	.00	9.73	6.31	2.38	1.00	.03
9/17/2023	.45	10.92	6.40	3.02	1.47	.03
9/18/2023	.00	11.63	7.88	2.71	1.01	.03
9/19/2023	.00	10.32	6.71	2.61	.97	.04
9/20/2023	.00	10.32	6.78	2.53	.98	.03
9/21/2023	.33	9.96	6.42	2.51	1.00	.03
9/22/2023	.00	10.14	6.13	2.97	1.01	.03
9/23/2023	.00	10.72	6.91	2.71	1.07	.03
9/24/2023	.00	9.90	6.20	2.62	1.05	.03
9/25/2023	.41	9.38	5.65	2.68	1.02	.03
9/26/2023	.07	9.73	5.83	2.90	.97	.03
9/27/2023	.30	10.26	6.30	2.85	1.08	.03
9/28/2023	.02	10.23	6.25	2.75	1.19	.03
9/29/2023	.00	9.77	6.05	2.55	1.13	.03
9/30/2023	.00	9.35	5.67	2.52	1.13	.03
Total	4.50	316.07	202.34	79.93	32.81	.98
Average	.15	10.54	6.74	2.66	1.09	.03
Minimum	.00	8.63	5.45	2.15	.83	.03
Maximum	1.85	16.81	12.39	4.29	2.35	.04
# of data	30.00	30.00	30.00	30.00	30.00	30.00

KRMA Agenda Meetings @ 10am for 2024

Thursday, January 11, 2024
Thursday, February 08, 2024
Thursday, March 14, 2024
Thursday, April 11, 2024
Thursday, May 09, 2024
Thursday, June 13, 2024
Thursday, July 11, 2024
Thursday, August 8, 2024
Thursday, September 12, 2024
Thursday, October 10, 2024
Thursday, November 7, 2024
Thursday, December 5, 2024

KRMA Board of Directors Meetings @ 9am for 2024

Thursday, January 25, 2024
Thursday, February 22, 2024
Thursday, March 28, 2024
Thursday, April 25, 2024
Thursday, May 23, 2024
Thursday, June 27, 2024
Thursday, July 25, 2024
Thursday, August 22, 2024
Thursday, September 26, 2024
Thursday, October 24, 2024
Thursday, November 21, 2024
Thursday, December 19, 2024