

AGENDA

KANKAKEE RIVER METROPOLITAN AGENCY MEETING

Thursday, January 22, 2026

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. November 20, 2025 – Regular Board Meeting
- B. December 18, 2025 - Regular Board Meeting

IV. Reports

- A. Operations & Maintenance Report
 - 1. Monthly Report (MOR)
- B. Executive Director Report
 - 1. Water, Gas & Electric Use/Cost
 - 2. Hauled in Waste Summary
 - 3. Operations Report
- C. Financial Report
 - 1. Reports
 - 2. Flows Graphs
- D. Communications

V. Old Business

- A. Update on Engineering for Phase 1, Phase 2, Phase 3
- B. Assistant Superintendent Update

VI. New Business

- A. Approval of Final Audit for FYE April 30, 2025
- B. Resolution Approving Contract for Pipe Insulation Work and Waiving Bidding Requirements for Work
- C. Honoring Arthur Strother, former KMRA's Superintendent
- D. Discussion about Solar Panels Possibilities

VII. Executive Session

- A. Personnel & Probable or Imminent Litigation--5 ILCS 120/2(c)(1) and (11)

VIII. Next Meeting

Thursday, February 26, 2026 (9:00 AM in KRMA Boardroom)

KANKAKEE RIVER METROPOLITAN AGENCY
MINUTES
November 20, 2025 – 9:00 A.M
1600 W Brookmont Blvd.

In attendance:

Board of Directors:

Mayor Christopher Curtis, City of Kankakee
Mayor Jeff Keast, Village of Bourbonnais
Alderman Danita Swanson, City of Kankakee
Alderman Larry Osenga, City of Kankakee
Steven Hunter, Representative, City of Kankakee

Administration:

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

Attorney:

Neal Smith, Robbins Schwartz

KRMA Staff:

Bryan Kennedy, Superintendent

Other:

Dan Small, Engineer, Strand Associates
Ryan McGinnis, Lab Operation Manager, City of Kankakee
Terry Memenga, Director of Public Works, Village of Bourbonnais
Zachary Newton, Superintendent of ESU, City of Kankakee
Tara Latz, Financial Director, Village of Bourbonnais
Kellen O'Malley, Auditor Director of SIKICH via gotomeeting.com

Chairman, Mayor Curtis called the meeting to order.

I. Roll Call

Roll Call was taken. All Board members were present, except for Secretary Brian Stump, Director Robert Romo and Dir Steven Hunter were absent.

II. Public Comment

Michael Williams with Williams Brother Construction expressed his concern regarding KRMA's 2025 Equipment Replacement and Modification Bid Process. Zack, Superintendent of ESU, City of Kankakee, also gave thanks to the Village of Bourbonnais, KRMA, and Village of Bradley for their assistance in helping the Environmental Service Utility of the City of Kankakee with issues they had faced.

III. Approval of Board Minutes

A. October 22, 2025 – Regular Board Meeting

Motion to approve October 22, 2025, Regular Board Meeting minutes was made by: Dir Osenga and seconded by Vice Chairman Keast. All board members present voted, in favor of and Secretary Stump, Dir Romo and Dir Hunter were absent. Motion carried.

Chairman, Mayor Curtis stated with consent of the Board, we have SIKICH Auditors via gotomeeting.com to give a presentation and answer any questions concerning our Audit and would like to conduct Audit Presentation from New Business first. Motion to amend the agenda VI.B to III.B was made by Dir Swanson and seconded by Dir Osenga. All board members present voted, in favor of and Secretary Stump, Dir Romo and Dir Hunter were absent. Motion carried.

B. Presentation of Final Audit

Kellen O'Malley Director of SIKICH presented the Audit Report. He gave a brief synopsis of the Financial Statements and Independent Auditor's Report and the Auditor's Communication to the Board of Directors on the Independent Audit Report, Basic Financial Statements, the Schedule of Revenues, Expenses, and Changes in Net Position. Stating that they had no disagreements with Management, any changes in account policies, there was no delays while conducting our audit, no proposed audit adjustments, and any new recommendation for important. Chairman Curtis asked, the overall summary is this was a good audit with no adversary or markings against the agency. Mr. Kellen replied correct, it's actually rare that we have no proposed adjustment or recommendation. Mr. Kellen stated great job.

IV. Reports

A. Operations & Maintenance Report

Monthly Report

Bryan Kennedy, Superintendent, presented the MOR. Bryan there's nothing out of the ordinary. He references the four drafts and gauges of BOD, NH3, and TSS, showing the influent and the effluent and stating we within the average for the month per our permit limitations. Bryan informed the board, how they have been handling the problem with disinfection and the fecal treatment. Stating they have been checking daily with the lab help by using test strips for chlorine. Chlorine is appearing within our plant before we introduce chlorine in our process of treatment. During investigation, we are showing a higher fecal with higher chlorine levels and that doesn't match up. Therefore, there could a chemical present that tests as chlorine that's referred to as a positive interference agent, which narrows down on where this chemical is coming from, however, it might not be the sole source. Also, with Ryan McGinnis, Lab Operation Manager, we are testing different chemical that can cause this positive interference and I asked about to accompany him on his scheduled inspection to see if there's something within the industries, which is making its way to the plant. Bryan also informed the board that we have our annual IEPA inspection on Monday, December 29, 2025, with Al Gonzalez. In doing so, the CMOM is being reviewed by Al Gonzalez and there have been question, communication, and concerns.

B. Executive Director Report

1. Water, Gas & Electric Use/Cost

Exec. Dir. Dave Tyson presented yearly utility usage. Exec Dir Tyson stated we haven't received an electric bill due to meeting being held earlier for Holiday. Everything else is right where it's supposed to be on schedule.

2. Hauled In Waste Summary

Exec. Dir. Tyson stated hauled in waste is still over budget amount. Therefore, hauled in waste is looking pretty good for us at this point. Dir Swanson asked why Laraway Recycling went down so drastically. Exec Dir Tyson replied probably because they went somewhere else. Chairman Curtis asked is that the reason our TSS has lowered as well? Exec Dir Tyson replied yes. Then he added, RJ is looking at another source of hauled in waste.

3. Operations Report

Exec Dir Dave Tyson informed that in our new NPDES Permit we are being asked to conduct a mussel survey. Dan has gotten proposals is the survey will cost approximately \$20, 881.00 to complete. Exec Dir Tyson informed the board regarding on EIC hiring process, stating we will make a selection by middle of next week. Exec Dir Tyson reiterated the concerns of the CMOM's. Exec Dir Tyson also asked if we could combine November and December meeting into one due to difficulties having a quorum for the holidays, although our intergovernmental agreement calls for us to meet once a month. Attorney Neal replied, it would be doable by the appropriate vote and determination. Chairman Curtis asked do the vote have to be simply majority two-thirds. Attorney Neal replied, yes, because we wouldn't be amending the IGA, we would be voting to pressing the meetings. Exec Dir Tyson also informed the board that we are continuing our monthly Financial Meetings. Bill.com is up and running.

C. Financial Report

1. Reports

Karen Benson presented that Financial Reports. Karen references the Statement on Net Position shows the cash balance is down from a year ago, however, still solid and those cash flow projections are a little bit better than what we were thinking. Statement of Revenue, Expenses, and Change of Net Position shows, everything is line, a few bills due to early meeting does not reflect on this statement. If you look at the percent of the annual budget expenses are a little bit over, however, for the annual total dollar amount they are not. Also Change of Net Position, is over, due to timing issues, and payment for general liability insurance. We're a little under budget for this month. Dir Swanson asked did we withstand any lost for the fraud activity. Karen replied, no, Midland did great and know Bill.com issues all checks. Karen also informed the board the SKDO, migrated over to QuickBooks Online and Bryan and Dave have read only access to day-to-day financials and Tawonda and Bryan is setup on Bill.com to pay vendors. Karen explained the process of Bill.com, there's no change in process, three approval signatures will still be needed, before payment is sent out and also, invoicing will be going through QuickBooks Online as well.

Dir Steven Hunter joined the meeting

Chairman Curtis shared his experience, stating he like the system Bill.com. Chairman Curtis also asked Neal to inform the board about the funds from the Sims lawsuit. Neal informed the board that KRMA received \$38,000.

2. Flows Graphs

Karen Benson presented the Flow Report.

D. Communications

None.

V. Old Business

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

None.

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

None

B. Assistant Superintendent Update

Chairman Curtis informed the Board that is to be discussed in Executive Session.

C. Update Local Financing for Phase 1

Chairman Curtis stated we have five local banks that are willing to work with us. Since we are in a stronger position financially, we will seek a line of credit instead of a loan.

VI. New Business

A. BID Results, Recommendation, and Authorization to enter into Agreement with Recommended Bidder for Construction for Phase 1

Chairman Curtis gave a recap of last month's BID Result, Recommendation for Construction for Phase 1. Exec Dir Tyson informed the board that the BID Reading was Tuesday, November 18, 2025, at 2pm. Stating that Williams Brother's Construction Company was the lower bidder. Motion to accept the low bid from Williams Brother's Construction Company in the amount of \$8,274,000 was made by Dir Hunter and seconded by Vice Chairman Keast. All board members present voted, in favor of and Secretary Stump and Dir Romo were absent. Motion carried. Dir Hunter asked about local subcontractors. There was discussion regarding the subcontractors.

VII. Executive Session

Personnel & Probable or Imminent Litigation

Motion to go into Executive Session to discuss Personnel and Probable or Imminent Litigations issue under 5 ILCS 120/2(c)(1) was made by Dir Swanson and seconded by Dir Osenga. Motion carried.

Roll call was taken and all Board members were present, except for Secretary Brian Stump and Director Robert Romo were absent.

The Board went into Executive Session.

Roll call was taken and all Board members were present, except for Secretary Brian Stump and Director Robert Romo were absent.

Motion to exit Executive Session was made by Dir Osenga and seconded by Vice Chairman Keast. Motion carried.

Roll call was taken and all Board members were present, except for Secretary Brian Stump and Director Robert Romo were absent.

Return to Open Session.

Roll call was taken and all Board members were present, except for Secretary Brian Stump and Director Robert Romo were absent.

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

VIII. Next Meeting

Next Regular Board Meeting- **Thursday, December 18, 2025 (9:00 A.M. at KRMA Board Room)**

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

KANKAKEE RIVER METROPOLITAN AGENCY
MINUTES
December 18, 2025 – 9:00 A.M
1600 W Brookmont Blvd.

In attendance:

Board of Directors:

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

Administration:

Dave Tyson, KRMA Executive Director

Attorney:

Neal Smith, Robbins Schwartz

KRMA Staff:

Bryan Kennedy, Superintendent
Richard Tyson (RJ), Operation Management

Other:

Ryan McGinnis, Lab Operation Manager, City of Kankakee
Terry Memenga, Director of Public Works, Village of Bourbonnais
Mayor Michael Watson, Mayor, Village of Bradley
Carolyn Croswell, Human Resource Director, City of Kankakee

Chairman, Mayor Curtis called the meeting to order.

I. Roll Call

Roll Call was taken. All Board members were present, except for Director Steven Hunter and Director Danita Swanson were absent.

II. Public Comment

Mayor Watson, Village of Bradley, stressed his concerns regarding the hiring practice of the Assistant Superintendent position. He also expressed his concerns regarding the roles and positions that the Executive Director and Superintendent perform within the organization questioning if the Executive Director position is needed. Mayor Watson also stated he would like to sit in on the Executive Session. Chairman Curtis referred this question to Attorney Neal Smith. Attorney Smith answered, you can allow individuals in Executive Session as you choose.

III. New Business

A. Approval of BioSurvey Group, LLC

1. Mussel Survey in the amount of \$21,590.80

Chairman Curtis stated we received three estimates from companies to conduct this Mussel Survey that is regarded by the NPDES Permit. BioSurvey Group had the lowest bid. Exec Dir Tyson stated that he had issued a purchase order for \$21,590.80. This purchase order was sent to IEPA to show we

are having a Mussel Survey done, so they could put it on our NPDES Permit. Dir Romo asked is the Mussel Survey like a count of mussels. Chairman Curtis explained what the Mussel Survey would consist of, and it can only be done at 59 degrees or warmer. Motion to Approve and Ratify the Bio-Survey Group to conduct Mussel Survey was made by Dir Romo and seconded by Vice Chairman Keast. All Board members were present, except for Dir Hunter and Dir Swanson were absent.

B. Discussion of Assistant Superintendent

Bryan Kennedy, Superintendent, stated that the job was offered and accepted, however, later declined on December 12, 2025. The hiring panel was made aware that she declined the job, then the full staff. Chairman Curtis stated we need to determine as the board the next steps. Chairman Curtis introduce the City of Kankakee's Human Resource Director, Carolyn Croswell, stating she was here in the meetings we had, and she has been assisting in the hiring process of the Assistant Superintendent position.

C. Action items from Executive Session

Chairman Curtis stated we are going to re-post the position of Assistant Superintendent. HR Director of the City of Kankakee, Carolyn Croswell, will run the advertisement. She will also be reaching out to KRMA Leadership today and have some discussion.

IV. Executive Session

Personnel & Probable or Imminent Litigation

Motion to go into Executive Session to discuss Personnel and Probable or Imminent Litigations issue under 5 ILCS 120/2(c)(1) was made by Dir Osenga and seconded by Secretary Stump. Motion carried.

Roll call was taken and all Board members were present, except for Director Steven Hunter and Director Danita Swanson were absent.

Chairman Curtis stated there will be multi layers to the Executive Session, to start we would like to keep legal, board of directors, and Mayor Watson in the meeting.

The Board went into Executive Session.

Roll call was taken and all Board members were present, except for Director Steven Hunter and Director Danita Swanson were absent.

Director Steven Hunter joined the meeting.

Exit of Executive Session.

Return to Open Session.

Roll call was taken and all Board members were present, except for Director Danita Swanson were absent.

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

V. Next Meeting

Next Regular Board Meeting- **Thursday, January 22, 2026 (9:00 A.M. at KRMA Board Room)**

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



Kankakee River Metropolitan Agency

Providing Wastewater Treatment to the Kankakee River Valley



Monthly Operations Report

November/December 2025

KRMA's NOVEMBER/DECEMBER HIGHLIGHTS:

KRMA Operations and Maintenance staff continue to keep the plant equipment and processes running smoothly despite seasonal challenges associated with cold weather. This winter started with a heavy snowfall accumulation and staff have continued to diligently clear and salt critical areas for operations and safety. Ice buildup on primary clarifier drive equipment has required frequent removal and processes have been monitored and adjusted accordingly as the microbiology slows at lower temperatures.

KRMA welcomes Dennis Carmain as newly hired Instrument Specialist. Dennis started December 15th and has been quick to learn and contribute to the maintenance of the electrical, instrumentation, and controls systems within the plant. Operations and Maintenance Specialist Tyler Stewart completed his probationary and training period December 22nd. Tyler has already proven himself to be an integral part of plant operations and maintenance through keen observations and involvement in corrective maintenance projects. Operations and Maintenance Specialists Dave Johnson (Class 3) and Dennis Kaiser (Class 4) achieved their Wastewater Operator Certifications in December. KRMA is proud to have new members working alongside those that have demonstrated the knowledge and ability to progress in certification level.

All effluent NPDES permit requirements were met for the months of November and December. An increase in total suspended solids (TSS) was noted during the third week of December, possibly due to snowfall melt and runoff during warmer temperatures. Despite the increase in influent and final effluent TSS, all treatment was effective and compliant.

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
November Plant Flows

Municipality	Plant Influent	Kankakee	Bourbonnais	Bradley	Aroma Park
Total Flow (MGD)	286.37	190.43	69.18	25.89	.87
Daily Average Flow (MGD)	9.5	6.50	2.31	.86	.03

Table 2.1
December Plant Flows

Municipality	Plant Influent	Kankakee	Bourbonnais	Bradley	Aroma Park
Total Flow (MGD)	340.95	210.24	94.53	35.20	1.00
Daily Average Flow (MGD)	11.00	8.59	3.05	1.14	.03

3.0 EFFLUENT QUALITY

Table 3.1 Summarizes the effluent quality data.

Table 3.1
November 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	13 mg/l
PH	6-9 SU	7.30 SU
Chlorine Residual	0.020 mg/l	N/A
Fecal Coliform	400/100 ml	N/A

Table 3.1
December Effluent Quality

	IEPA Limits	Effluent Average
Biochemical Oxygen Demand (BOD) – Monthly Average	20 mg/l	5 mg/l
Total Suspended Solids (TSS) - Monthly Average	25 mg/l	22 mg/l
PH	6-9 SU	7.09 SU
Chlorine Residual	0.020 mg/l	0.01 mg/l
Fecal Coliform	400/100 ml	149/100 ml

ODOR ISSUES:

- There was no odor complaint registered at the KRMA facility in November.
- There were no odor complaints registered at the East Gate site in November.
- There was no odor complaint registered at the KRMA facility in December.
- There were no odor complaints registered at the East Gate site in December.

4.0 PERSONNEL

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

Dan Combs, O & M Operator Specialist, 19 years

Bryan Kennedy, Superintendent, 9 years

Congratulations are also in honor for achieving Certificate of Competency

David Johnson Jr, Class 3 Wastewater Treatment Works Operator

Dennis Kaiser, Class 4 Wastewater Treatment Works Operator

The Agency would like to say HAPPY BIRTHDAY to all the employees born in November and December.

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 NOVEMBER/DECEMBER MAINTENANCE AND REPAIR

Number of Work Orders Closed for the Month: 1523
Hours of Scheduled Work Orders Performed: 854.43

6.0 SLUDGE HANDLING

Start Date: 11/01/2025
End Date: 11/30/2025

Gallons of sludge produced and sent to thickening: 2,395,000.00
Gallons of sludge put into storage after thickening: 730,000.00
Sludge removed from the plant for land application: 2,425,000.00
Sludge remaining in storage: 1,154,350.00

Start Date: 12/01/2025
End Date: 12/31/2025

Gallons of sludge produced and sent to thickening: 2,891,200.00
Gallons of sludge put into storage after thickening: 905,000.00
Sludge removed from the plant for land application: 690,000.00
Sludge remaining in storage: 1,371,100.00

7.0 WATER USAGE

NOVEMBER 2025 (28 DAYS): 32,872 CU FT= 245,900 GALS. = \$2,862.31

NUMBER OF DAYS IN THE BILLING CYCLE: 28

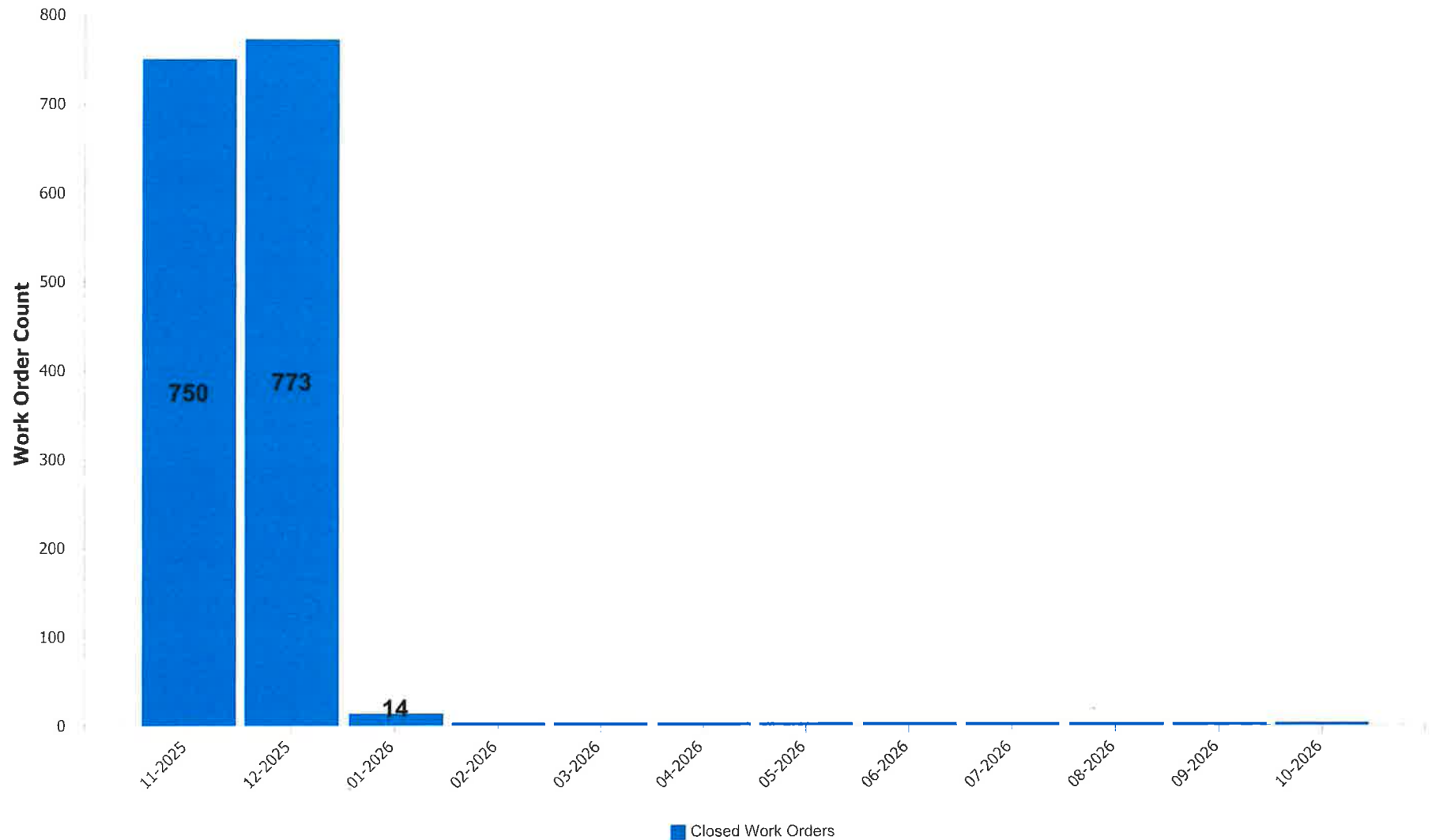
DECEMBER 2025 (33 DAYS): 36,294 CU FT= 271,500 GALS. = \$2,959.02

NUMBER OF DAYS IN THE BILLING CYCLE: 33

Work Orders Closed By Month

From November, 2025 to October, 2026

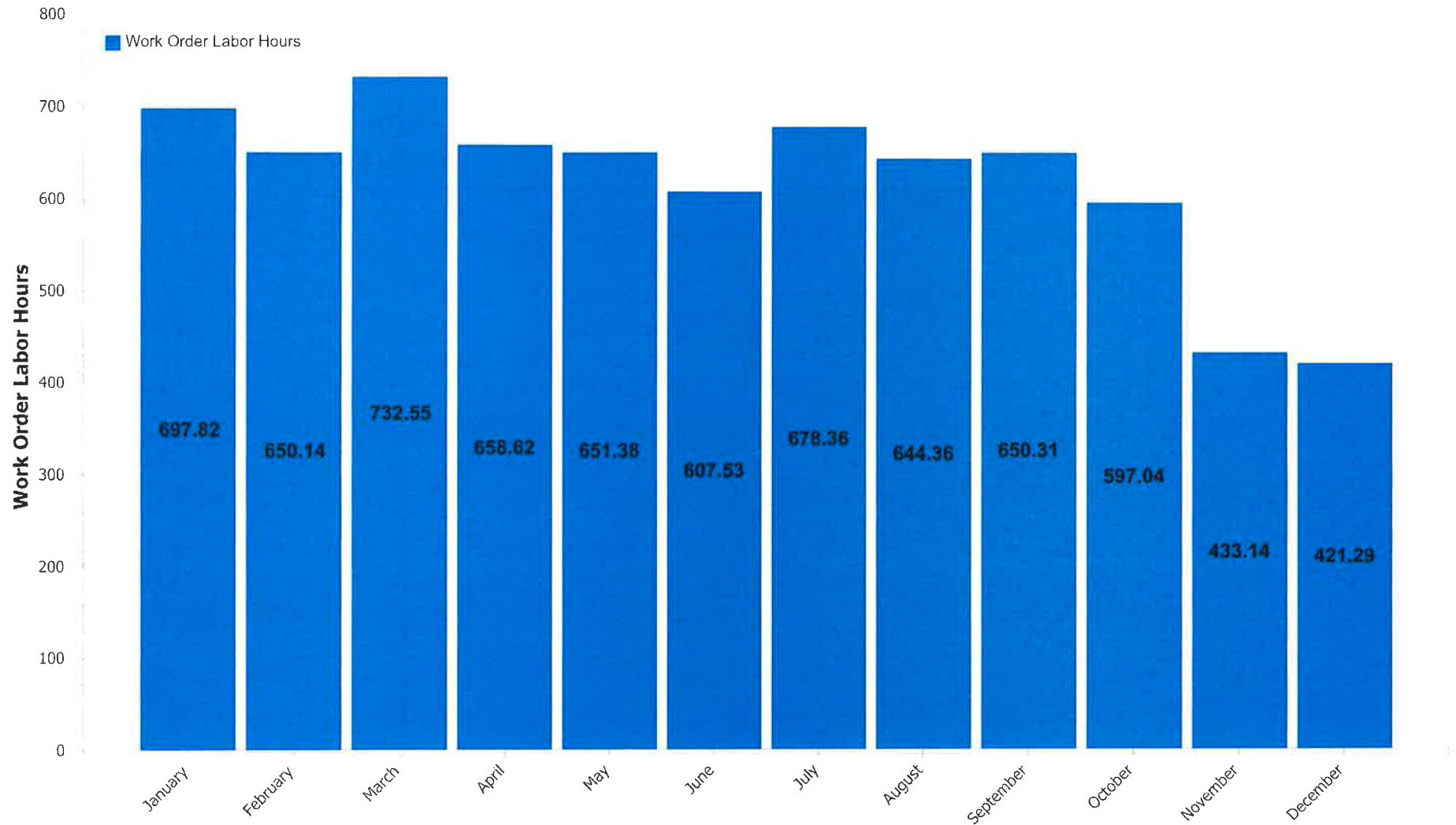
1600 West Brookmont Blvd.
Kankakee, IL 60901
Phone: 815-933-0444
Fax: 815-933-0104



Work Order Labor Hours by Month

2025

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



KANKAKEE RIVER METRO AGENCY

Wastewater Report, November 2025

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.

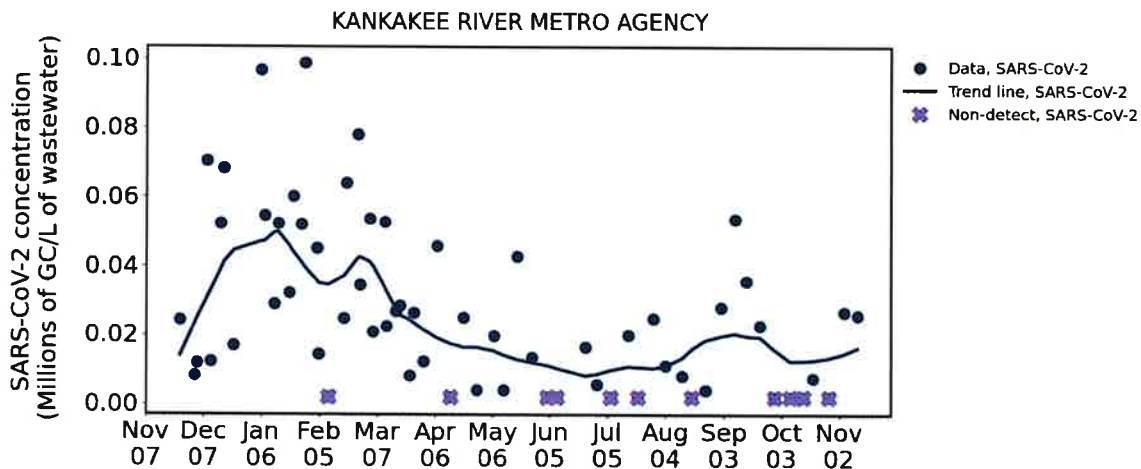


Figure 1. Time series plot of SARS-CoV-2 viral concentrations in millions of gene copies per liter (GC/L) of wastewater. Historical data can be found on the IWSS dashboard, link above.

SARS-CoV-2 SAMPLING RESULTS - LAST 8 SAMPLES

Date	SARS-CoV-2 (GC/L)
2025-11-12	25,650
2025-11-05	26,700
2025-10-28	Non-detect
2025-10-20	7,575
2025-10-15	Non-detect

2025-10-08	Non-detect
2025-09-30	Non-detect
2025-09-22	22,650

SARS-CoV-2 LINEAGES IN WASTEWATER

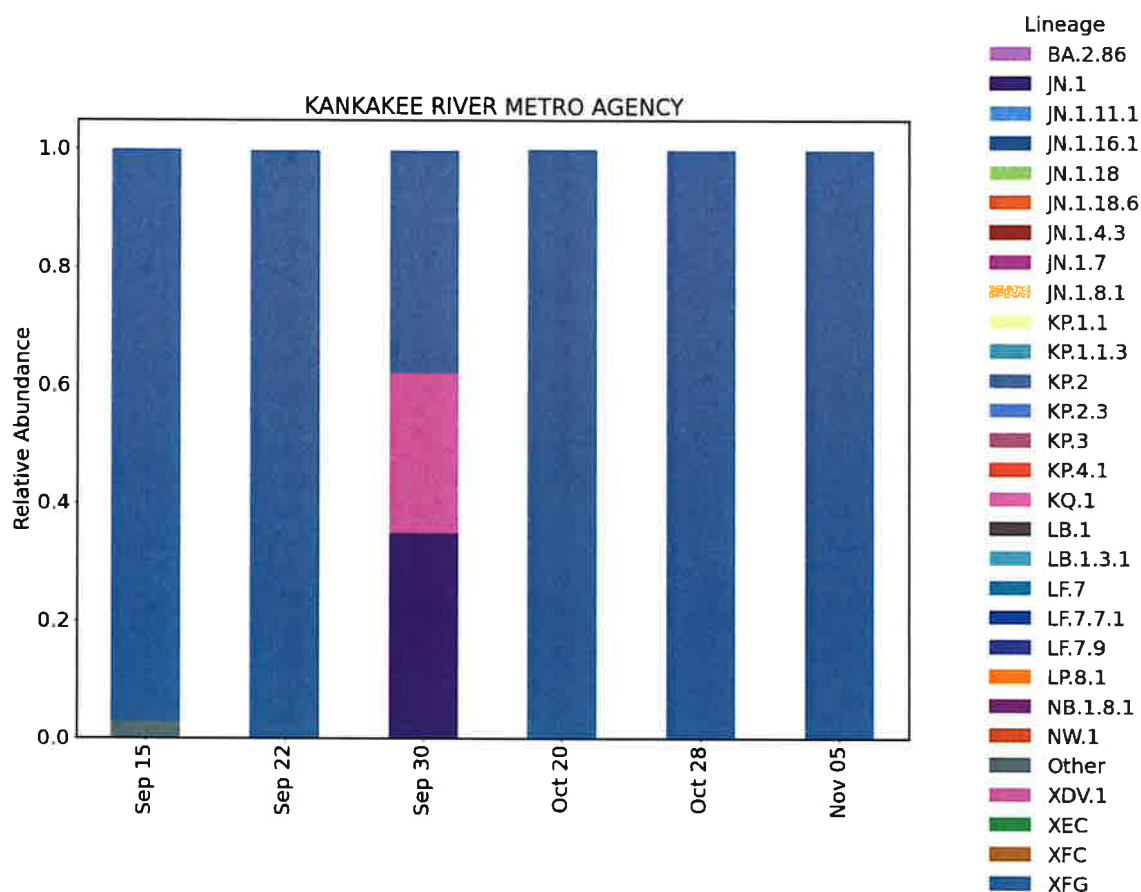


Figure 2. Stacked barplot showing the relative abundances of SARS-CoV-2 lineages in wastewater samples. All lineages in the legend, excluding "Other," are associated with Omicron. The most recently available two months worth of data are shown.

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.

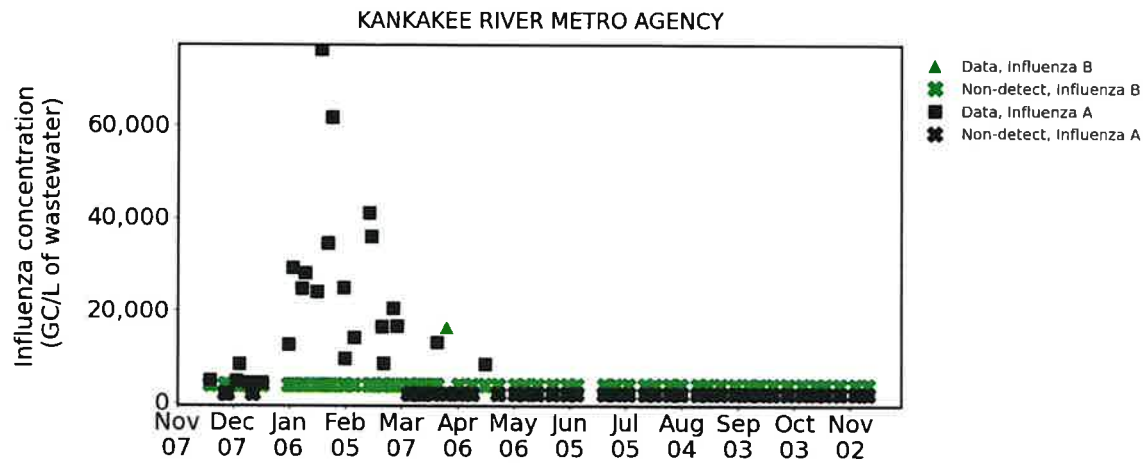


Figure 3. Time series plot of Influenza A/B viral concentrations in gene copies per liter (GC/L) of wastewater. Historical data can be found on the IWSS dashboard, link above.

INFLUENZA A/B SAMPLING RESULTS - LAST 8 SAMPLES

Date	Influenza A (GC/L)	Influenza B (GC/L)
2025-11-12	Non-detect	Non-detect
2025-11-05	Non-detect	Non-detect
2025-10-28	Non-detect	Non-detect
2025-10-20	Non-detect	Non-detect
2025-10-15	Non-detect	Non-detect
2025-10-08	Non-detect	Non-detect
2025-09-30	Non-detect	Non-detect
2025-09-22	Non-detect	Non-detect

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.

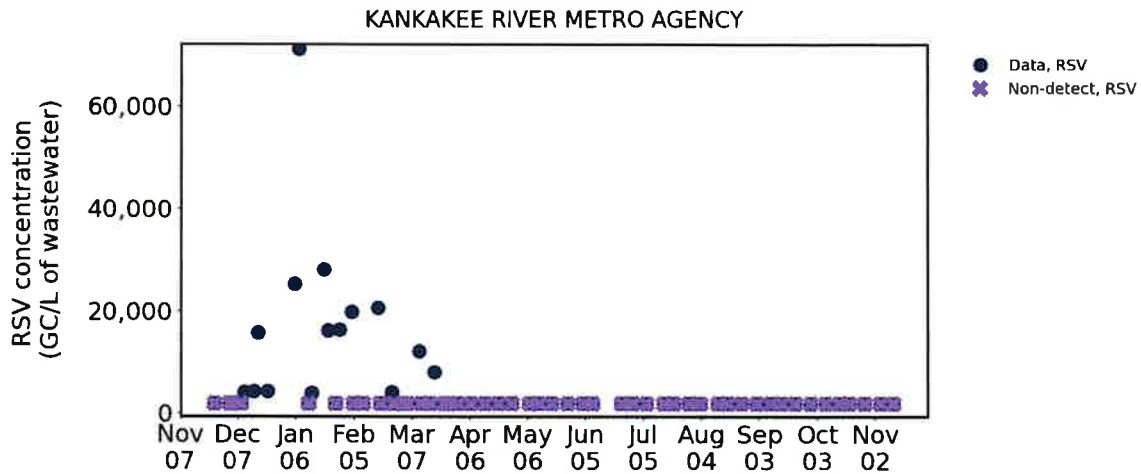


Figure 4. Time series plot of RSV viral concentrations in gene copies per liter (GC/L) of wastewater. Historical data can be found on the IWSS dashboard, link above.

RSV SAMPLING RESULTS - LAST 8 SAMPLES

Date	RSV (GC/L)
2025-11-12	Non-detect
2025-11-05	Non-detect
2025-10-28	Non-detect
2025-10-20	Non-detect
2025-10-15	Non-detect
2025-10-08	Non-detect
2025-09-30	Non-detect
2025-09-22	Non-detect

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.

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 wastewater 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 concentrations 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.

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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 summarizes the variant detections; lineages are displayed, as there are often many variants detected that are in the same lineage.

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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?

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

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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.

KANKAKEE RIVER METRO AGENCY

Wastewater Report, December 2025

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.

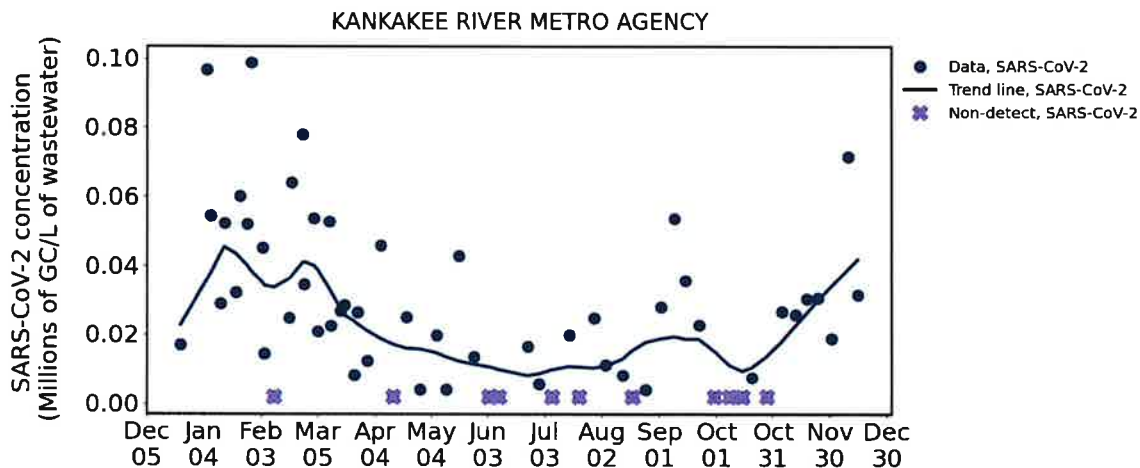


Figure 1. Time series plot of SARS-CoV-2 viral concentrations in millions of gene copies per liter (GC/L) of wastewater. Historical data can be found on the IWSS dashboard, link above.

SARS-CoV-2 SAMPLING RESULTS - LAST 8 SAMPLES

Date	SARS-CoV-2 (GC/L)
2025-12-15	31,401.55
2025-12-10	71,550.0
2025-12-01	18,900.0
2025-11-24	30,600.0
2025-11-18	30,225.0

2025-11-12	25,650.0
2025-11-05	26,700.0
2025-10-28	2,040.0

SARS-CoV-2 LINEAGES IN WASTEWATER

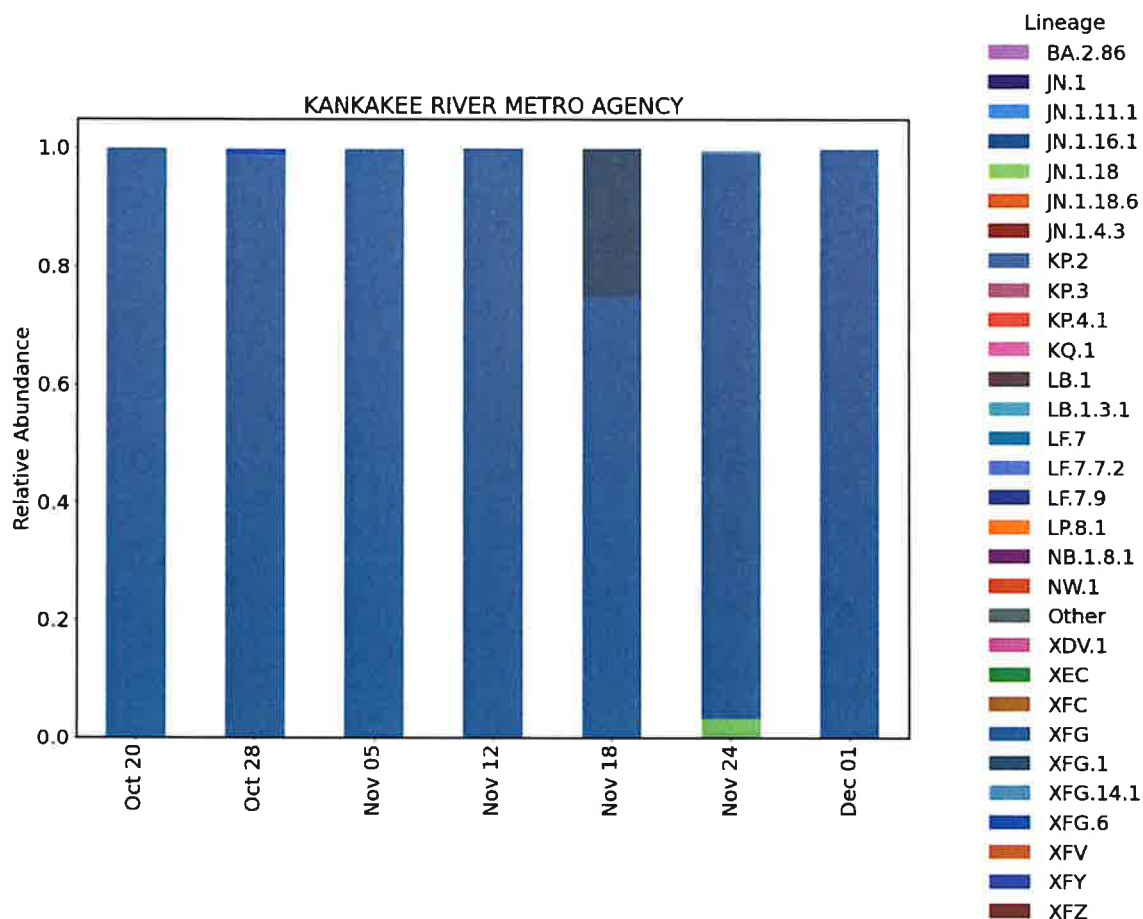


Figure 2. Stacked barplot showing the relative abundances of SARS-CoV-2 lineages in wastewater samples. All lineages in the legend, excluding "Other," are associated with Omicron. The most recently available two months worth of data are shown.

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.

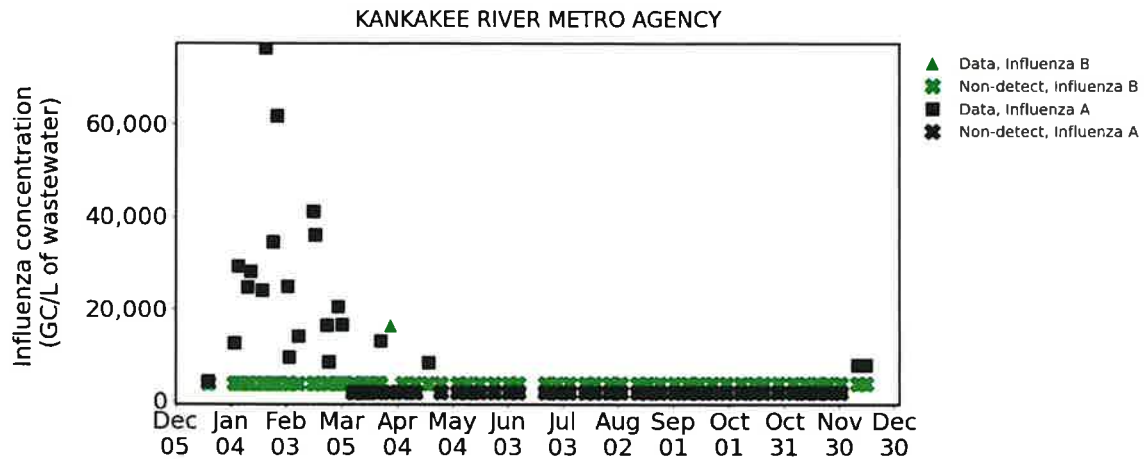


Figure 3. Time series plot of Influenza A/B viral concentrations in gene copies per liter (GC/L) of wastewater. Historical data can be found on the IWSS dashboard, link above.

INFLUENZA A/B SAMPLING RESULTS - LAST 8 SAMPLES

Date	Influenza A (GC/L)	Influenza B (GC/L)
2025-12-15	7,849	Non-detect
2025-12-10	7,950	Non-detect
2025-12-01	Non-detect	Non-detect
2025-11-24	Non-detect	Non-detect
2025-11-18	Non-detect	Non-detect
2025-11-12	Non-detect	Non-detect
2025-11-05	Non-detect	Non-detect
2025-10-28	Non-detect	Non-detect

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.

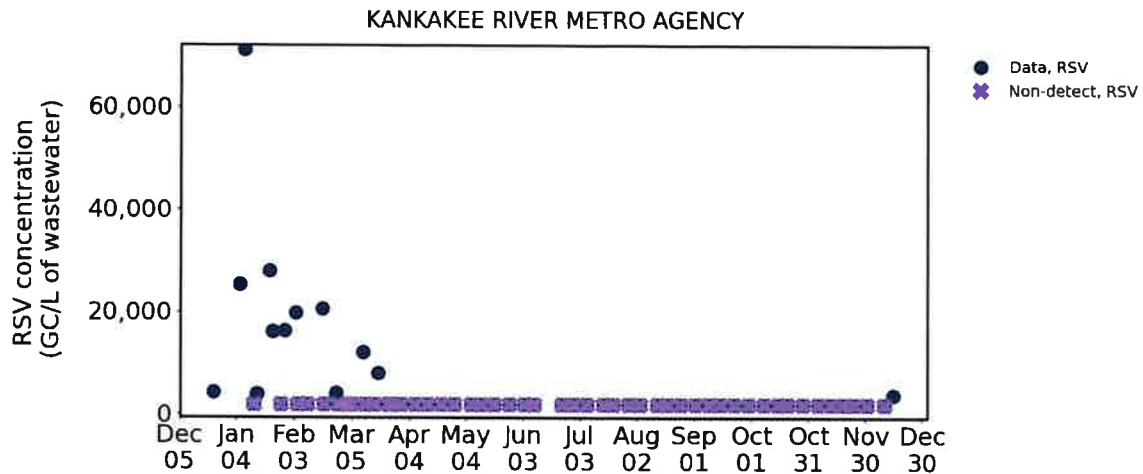


Figure 4. Time series plot of RSV viral concentrations in gene copies per liter (GC/L) of wastewater. Historical data can be found on the IWSS dashboard, link above.

RSV SAMPLING RESULTS - LAST 8 SAMPLES

Date	RSV (GC/L)
2025-12-15	3,924
2025-12-10	Non-detect
2025-12-01	Non-detect
2025-11-24	Non-detect
2025-11-18	Non-detect
2025-11-12	Non-detect
2025-11-05	Non-detect
2025-10-28	Non-detect

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.

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 wastewater 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 concentrations 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.

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ATTACHMENT

A

12/10/2025 02:13:48 PM

DMR Monthly Report

11/1/2025 to 11/30/2025

Var #	452	159	119	236	454	351	113	237	386
	EFF FLOW	001 Eff pH	FINAL EFF TSS	Weekly ave Eff TSS	EFF TSS	Weekly Ave EffTSS	EFF-C-BOD	Weekly Ave EffCBOD	EFF C-BOD
Date	MGD	STD UNIT	mg/L	MG/L	LBS/D	LBS/Day	mg/l	MG/L	lbs\day
11/1/2025	8.68		7.00	9.00	507.00	690.00	4.00	4.00	290.00
11/2/2025	9.02		3.00		226.00		3.00		226.00
11/3/2025	8.82	7.26	13.00		956.00		4.00		294.00
11/4/2025	8.97	7.27	14.00		1047.00		4.00		299.00
11/5/2025	8.91	7.36	21.00		1561.00		5.00		372.00
11/6/2025	9.05	7.23	18.00		1358.00		4.00		302.00
11/7/2025	9.65	7.34	3.00		241.00				
11/8/2025	9.11		9.00	12.00	684.00	868.00	3.00	4.00	228.00
11/9/2025	10.47		15.00		1310.00		4.00		349.00
11/10/2025	10.46	7.26	20.00		1745.00		5.00		436.00
11/11/2025	10.46		33.00		2879.00		7.00		611.00
11/12/2025	10.53	7.21	35.00		3075.00		7.00		615.00
11/13/2025	9.82	7.18	12.00		983.00		4.00		328.00
11/14/2025	9.92	7.48	11.00		910.00				
11/15/2025	9.60		7.00	19.00	560.00	1637.00	4.00	5.00	320.00
11/16/2025	9.46		17.00		1342.00		5.00		395.00
11/17/2025	9.66	7.32	17.00		1370.00		4.00		322.00
11/18/2025	10.02	7.33	17.00		1420.00		4.00		334.00
11/19/2025	9.93	7.22	15.00		1242.00		7.00		580.00
11/20/2025	9.66	7.28	21.00		1691.00		5.00		403.00
11/21/2025	9.78	7.19	4.00		326.00				
11/22/2025	9.79		4.00	14.00	327.00	1103.00	4.00	5.00	327.00
11/23/2025	9.30		3.00		233.00		3.00		233.00
11/24/2025	9.50	7.42	10.00		793.00		4.00		317.00
11/25/2025	9.68	7.42	10.00		808.00		4.00		323.00
11/26/2025	9.59	7.36	9.00		720.00				
11/27/2025	9.22		13.00		999.00				
11/28/2025	8.92		11.00		819.00				
11/29/2025	11.01		7.00	9.00	643.00	716.00	4.00	4.00	367.00
11/30/2025	12.03		11.00		1104.00		4.00		401.00

Minimum	8.68	7.18	3.00	9.00	226.00	690.00	3.00	4.00	226.00
Maximum	12.03	7.48	35.00	19.00	3075.00	1637.00	7.00	5.00	615.00
Average	9.70	7.30	13.00	13.00	1063.00	1003.00	4.00	4.00	361.00
Sum	291.04	124.13	390.00	62.00	31877.00	5014.00	106.00	22.00	8671.00

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

11/1/2025 to 11/30/2025

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	%
11/1/2025	331.00			8.68	257.00	18605.00	264.00	19111.00	98.00
11/2/2025				9.02	318.00	23927.00	232.00	17456.00	99.00
11/3/2025				8.82	241.00	17726.00	360.00	26478.00	98.00
11/4/2025				8.97	288.00	21536.00	438.00	32752.00	99.00
11/5/2025				8.91	282.00	20962.00	542.00	40289.00	98.00
11/6/2025				9.05	296.00	22339.00	434.00	32753.00	99.00
11/7/2025				9.65			820.00	65981.00	
11/8/2025	287.00			9.11	253.00	19224.00	754.00	57293.00	99.00
11/9/2025				10.47	166.00	14499.00	266.00	23234.00	98.00
11/10/2025				10.46	282.00	24605.00	570.00	49734.00	98.00
11/11/2025				10.46	443.00	38642.00	482.00	42044.00	98.00
11/12/2025				10.53	266.00	23367.00	422.00	37071.00	97.00
11/13/2025				9.82	326.00	26696.00	544.00	44548.00	99.00
11/14/2025				9.92			570.00	47167.00	
11/15/2025	443.00			9.60	189.00	15126.00	310.00	24809.00	98.00
11/16/2025				9.46	228.00	17996.00	289.00	22811.00	98.00
11/17/2025				9.66	178.00	14345.00	334.00	26917.00	98.00
11/18/2025				10.02	296.00	24723.00	320.00	26728.00	99.00
11/19/2025				9.93	206.00	17058.00	676.00	55978.00	97.00
11/20/2025				9.66	265.00	21341.00	450.00	36239.00	98.00
11/21/2025				9.78			340.00	27735.00	
11/22/2025	393.00			9.79	194.00	15845.00	198.00	16171.00	98.00
11/23/2025				9.30	246.00	19088.00	280.00	21727.00	99.00
11/24/2025				9.50	292.00	23142.00	424.00	33604.00	99.00
11/25/2025				9.68	296.00	23904.00	368.00	29718.00	99.00
11/26/2025				9.59			724.00	57888.00	
11/27/2025				9.22			332.00	25524.00	
11/28/2025				8.92			842.00	62667.00	
11/29/2025	310.00			11.01	142.00	13041.00	440.00	40410.00	97.00
11/30/2025				12.03	199.00	19971.00	290.00	29103.00	98.00

Minimum	287.00			8.68	142.00	13041.00	198.00	16171.00	97.00
Maximum	443.00			12.03	443.00	38642.00	842.00	65981.00	99.00
Average	353.00			9.70	256.00	20738.00	444.00	35798.00	98.00
Sum	1764.00			291.04	6149.00	497709.00	13315.00	1073941.00	2356.00

Limit	15012	0.05	400						
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12/10/2025 02:13:50 PM

DMR Monthly Report

11/1/2025 to 11/30/2025

Var #	456	1040	1041	1042	1043	255	297	953	1023
	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
11/1/2025	97.00	8.20	8.16	8.18	7.58				
11/2/2025	99.00	8.36	8.27	8.32		.05	3.76	.21	
11/3/2025	96.00	8.53	8.40	8.47		.05	3.68	.53	
11/4/2025	97.00	8.25	8.15	8.20		.05	3.74	.45	11.76
11/5/2025	96.00	8.20	8.12	8.16		.05	3.72	.71	
11/6/2025	96.00	8.03	7.96	8.00		.05	3.77	.51	
11/7/2025	100.00	8.03	7.97	8.00					
11/8/2025	99.00	8.03	7.98	8.01	8.16				
11/9/2025	94.00	8.54	8.46	8.50		.29	25.50	.68	
11/10/2025	96.00	8.38	8.29	8.34					
11/11/2025	93.00	8.20	8.15	8.18		.05	4.36	4.28	8.10
11/12/2025	92.00	8.23	8.18	8.21		.05	4.39	.31	
11/13/2025	98.00	8.33	8.09	8.21		.05	4.09	.17	
11/14/2025	98.00	8.11	7.87	7.99					
11/15/2025	98.00	8.01	7.79	7.90	8.19				
11/16/2025	94.00	8.32	8.09	8.21		.20	15.47	.49	
11/17/2025	95.00	8.32	8.10	8.21		.13	10.15	.35	
11/18/2025	95.00	8.09	7.92	8.01		.08	6.36	1.48	
11/19/2025	98.00	8.02	7.93	7.98		.05	4.14	1.82	
11/20/2025	95.00	8.26	8.21	8.24		.05	4.03	.94	14.86
11/21/2025	99.00	8.25	8.20	8.23					
11/22/2025	98.00	8.36	8.30	8.33	8.17				
11/23/2025	99.00	8.54	8.48	8.51		.05	3.88	.17	
11/24/2025	98.00	8.47	8.38	8.43		.05	3.96	.34	
11/25/2025	97.00	8.46	8.38	8.42		.05	4.04	.38	12.92
11/26/2025	99.00	8.65	8.56	8.61					
11/27/2025	96.00	9.01	8.92	8.97					
11/28/2025	99.00	9.13	9.05	9.09					
11/29/2025	98.00	9.21	9.12	9.17	8.74				
11/30/2025	96.00	9.46	9.35	9.41		.05	5.02	.15	

Minimum	92.00	8.01	7.79	7.90	7.58	.05	3.68	.15	8.10
Maximum	100.00	9.46	9.35	9.41	8.74	.29	25.50	4.28	14.86
Average		8.40	8.29	8.35	8.17	.08	6.34	.78	11.91
Sum	2905.00	251.98	248.83	250.41	40.84	1.39	114.07	13.96	47.64

Limit				min >5.0	>6.25	8.3	3115		
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12/10/2025 02:13:52 PM

DMR Monthly Report

11/1/2025 to 11/30/2025

Var #	1044	1048	1045	102	116	1046	1047
	Fecal Coliform at EQ Basin	EQ Basin Residual Chlorine	EQ Basin pH	EQ Basin_ BOD	EQ Basin _TSS	EQ Basin Ammonia Nitrogen	EQ Basin Total Phosphoru s
Date	col/100ml	mg/l		mg/L	mg/L	mg/l	mg/l
11/1/2025							
11/2/2025							
11/3/2025							
11/4/2025							
11/5/2025							
11/6/2025							
11/7/2025							
11/8/2025							
11/9/2025							
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11/25/2025							
11/26/2025							
11/27/2025							
11/28/2025							
11/29/2025							
11/30/2025							

Minimum							
Maximum							
Average							
Sum							

400	0.75	Range 6-9				
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01/09/2026 08:44:38 AM

DMR Monthly Report

12/1/2025 to 12/31/2025

Var #	452	159	119	236	454	351	113	237	386
	EFF FLOW	001 Eff pH	FINAL EFF TSS	Weekly ave Eff TSS	EFF TSS	Weekly Ave Eff TSS	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
12/1/2025	12.35	7.35	18.00		1854.00		4.00		412.00
12/2/2025	13.46	7.33	19.00		2133.00		4.00		449.00
12/3/2025	13.44	7.31	18.00		2017.00		5.00		560.00
12/4/2025	12.53	7.23	16.00		1672.00		4.00		418.00
12/5/2025	12.00	7.39	3.00		300.00				
12/6/2025	11.85		5.00	13.00	494.00	1368.00	3.00	4.00	296.00
12/7/2025	11.75		21.00		2058.00		6.00		588.00
12/8/2025	11.73	7.28	20.00		1957.00		4.00		391.00
12/9/2025	11.27	7.26	22.00		2067.00		4.00		376.00
12/10/2025	13.30	7.09	26.00		2885.00		5.00		555.00
12/11/2025	11.27	7.15	22.00		2067.00		5.00		470.00
12/12/2025	10.62	6.96	27.00		2392.00				
12/13/2025	12.69		7.00	21.00	741.00	2024.00	5.00	5.00	529.00
12/14/2025	25.36		13.00		2750.00		5.00		1058.00
12/15/2025	25.36	7.03	24.00		5075.00		6.00		1269.00
12/16/2025	11.05	7.09	26.00		2397.00		6.00		553.00
12/17/2025	11.05	7.04	25.00		2305.00		5.00		461.00
12/18/2025	14.83	7.08	44.00		5443.00				
12/19/2025	12.66	6.92	26.00		2745.00				
12/20/2025	11.29		13.00	24.00	1224.00	3134.00	5.00	5.00	471.00
12/21/2025	10.62		10.00		886.00		4.00		354.00
12/22/2025	10.51	6.93	30.00		2631.00				
12/23/2025	10.61	6.91	31.00		2742.00				
12/24/2025	10.18		51.00		4328.00		13.00		1103.00
12/25/2025	9.68		55.00		4442.00		13.00		1050.00
12/26/2025	10.00	7.04	30.00		2501.00				
12/27/2025	10.03		3.00	30.00	251.00	2540.00	3.00	8.00	251.00
12/28/2025	16.37		17.00		2321.00		5.00		683.00
12/29/2025	14.37	6.75	23.00		2756.00		5.00		599.00
12/30/2025	12.59	6.89	23.00		2414.00		5.00		525.00
12/31/2025	12.16	6.93	4.00		406.00		3.00		304.00

Minimum	9.68	6.75	3.00	13.00	251.00	1368.00	3.00	4.00	251.00
Maximum	25.36	7.39	55.00	30.00	5443.00	3134.00	13.00	8.00	1269.00
Average	12.81	7.09	22.00	22.00	2266.00	2267.00	5.00	6.00	572.00
Sum	396.99	148.96	672.00	88.00	70255.00	9066.00	127.00	22.00	13726.00

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

12/1/2025 to 12/31/2025

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	%
12/1/2025				12.35	296.00	30493.00	566.00	58307.00	99.00
12/2/2025				13.46	322.00	36149.00	1034.00	116082.00	99.00
12/3/2025				13.44	249.00	27904.00	344.00	38550.00	98.00
12/4/2025				12.53	224.00	23408.00	348.00	36366.00	98.00
12/5/2025				12.00			334.00	33427.00	
12/6/2025	423.00			11.85	195.00	19270.00	236.00	23322.00	98.00
12/7/2025				11.75	213.00	20875.00	220.00	21561.00	97.00
12/8/2025				11.73	263.00	25735.00	320.00	31313.00	98.00
12/9/2025				11.27	220.00	20673.00	258.00	24243.00	98.00
12/10/2025				13.30	191.00	21191.00	294.00	32618.00	97.00
12/11/2025				11.27	198.00	18605.00	332.00	31197.00	97.00
12/12/2025				10.62			260.00	23037.00	
12/13/2025	485.00			12.69	227.00	24032.00	86.00	9105.00	98.00
12/14/2025				25.36	250.00	52884.00	195.00	41249.00	98.00
12/15/2025				25.36	379.00	80150.00	202.00	42718.00	98.00
12/16/2025				11.05	289.00	26638.00	700.00	64522.00	98.00
12/17/2025				11.05	225.00	20743.00	372.00	34295.00	98.00
12/18/2025				14.83			295.00	36494.00	
12/19/2025				12.66			252.00	26609.00	
12/20/2025	762.00			11.29	193.00	18179.00	181.00	17049.00	97.00
12/21/2025				10.62	120.00	10629.00	130.00	11515.00	97.00
12/22/2025				10.51			1000.00	87687.00	
12/23/2025				10.61			256.00	22642.00	
12/24/2025				10.18	177.00	15020.00	398.00	33774.00	93.00
12/25/2025				9.68	247.00	19947.00	242.00	19543.00	95.00
12/26/2025				10.00			498.00	41521.00	
12/27/2025	690.00			10.03	126.00	10535.00	296.00	24748.00	98.00
12/28/2025				16.37	103.00	14062.00	166.00	22663.00	95.00
12/29/2025				14.37	154.00	18452.00	324.00	38822.00	97.00
12/30/2025				12.59	186.00	19525.00	160.00	16796.00	97.00
12/31/2025				12.16	132.00	13391.00	430.00	43623.00	98.00

Minimum	423.00			9.68	103.00	10535.00	86.00	9105.00	93.00
Maximum	762.00			25.36	379.00	80150.00	1034.00	116082.00	99.00
Average	590.00			12.81	216.00	24520.00	346.00	35658.00	97.00
Sum	2360.00			396.99	5179.00	588491.00	10729.00	1105398.00	2337.00

Limit	15012	0.05	400						
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01/09/2026 08:44:41 AM

DMR Monthly Report

12/1/2025 to 12/31/2025

Var #	456	1040	1041	1042	1043	255	297	953	1023
	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
12/1/2025	97.00	9.03	8.98	9.01		.05	5.15	.20	12.62
12/2/2025	98.00	8.80	8.75	8.78		.10	11.34	.16	
12/3/2025	95.00	8.98	8.92	8.95		.10	11.06	.27	
12/4/2025	95.00	9.05	9.01	9.03		.05	5.23	.17	
12/5/2025	99.00	8.75	8.72	8.74					
12/6/2025	98.00	8.88	8.86	8.87	8.97				
12/7/2025	90.00	9.27	9.20	9.24		.12	11.66	.41	
12/8/2025	94.00	9.19	9.11	9.15		.05	4.89	.42	
12/9/2025	91.00	8.87	8.77	8.82		.05	4.70	.45	
12/10/2025	91.00	8.86	8.77	8.82		.09	9.43	.47	
12/11/2025	93.00	9.08	8.97	9.03		.05	4.70	.55	16.02
12/12/2025	90.00	9.05	8.99	9.02					
12/13/2025	92.00	9.34	9.27	9.31	9.05				
12/14/2025	93.00	9.72	9.62	9.67		.09	18.72	.31	
12/15/2025	88.00	9.30	9.20	9.25		.05	10.57	.58	9.66
12/16/2025	96.00	9.14	9.04	9.09		.09	8.21	.71	
12/17/2025	93.00	9.04	8.94	8.99		.10	9.59	.59	
12/18/2025	85.00	8.94	8.85	8.90		.05	6.19	1.00	
12/19/2025	90.00	9.10	9.01	9.06					
12/20/2025	93.00	9.46	9.35	9.41	9.19				
12/21/2025	92.00	9.76	9.63	9.70		.05	4.43	.18	
12/22/2025	97.00	9.07	8.97	9.02		.48	42.18	.56	
12/23/2025	88.00	9.10	9.02	9.06					
12/24/2025	87.00	9.12	9.04	9.08					
12/25/2025	77.00	9.26	9.17	9.22		.95	76.64	.99	21.00
12/26/2025	94.00	9.32	9.22	9.27					
12/27/2025	99.00	9.28	9.18	9.23	9.22				
12/28/2025	90.00	9.11	9.00	9.06		.05	6.83	.79	
12/29/2025	93.00	9.74	9.81	9.78		.05	5.99	.41	
12/30/2025	86.00	9.56	9.63	9.60		.05	5.25	1.31	14.46
12/31/2025	99.00	9.24	9.30	9.27					

Minimum	77.00	8.75	8.72	8.74	8.97	.05	4.43	.16	9.66
Maximum	99.00	9.76	9.81	9.78	9.22	.95	76.64	1.31	21.00
Average		9.17	9.11	9.14	9.11	.13	13.14	.53	14.75
Sum	2864.00	284.41	282.30	283.36	36.44	2.67	262.75	10.51	73.76

Limit				min >5.0	>6.25	8.3	3115		
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Var #	1044	1048	1045	102	116	1046	1047
	Fecal Coliform at EQ Basin	EQ Basin Residual Chlorine	EQ Basin pH	EQ Basin_ BOD	EQ Basin_ TSS	EQ Basin Ammonia Nitrogen	EQ Basin Total Phosphorus
Date	col/100ml	mg/l		mg/L	mg/L	mg/l	mg/l
12/1/2025							
12/2/2025							
12/3/2025							
12/4/2025							
12/5/2025							
12/6/2025							
12/7/2025							
12/8/2025							
12/9/2025							
12/10/2025							
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12/29/2025							
12/30/2025							
12/31/2025							

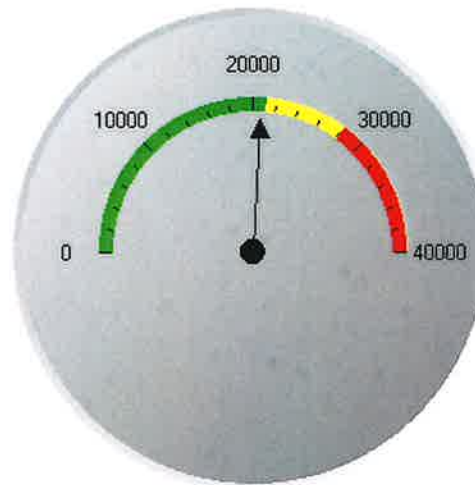
Minimum							
Maximum							
Average							
Sum							

400	0.75	Range 6-9				
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Influent BOD loading Lbs - Monthly AVG

20,738 Lbs./Day

11/01/2025 - 11/30/2025



0 to 21150 - Target Loading

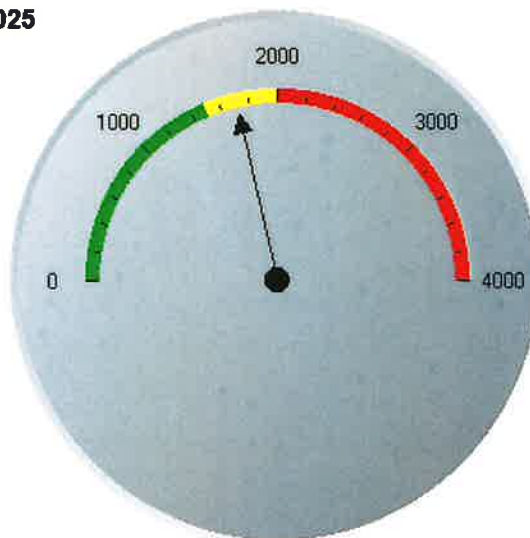
21150 to 28200 - Above 75% Threshold

Above 28200

Influent NH3 loading Lbs - Monthly AVG

1,713 Lbs./Day

11/01/2025 - 11/30/2025



0 to 1500 - Target Loading

1500 to 2000 - Above 75% Threshold

Above 2000

Influent TSS loading Lbs - Monthly AVG

35,798 Lbs./Day

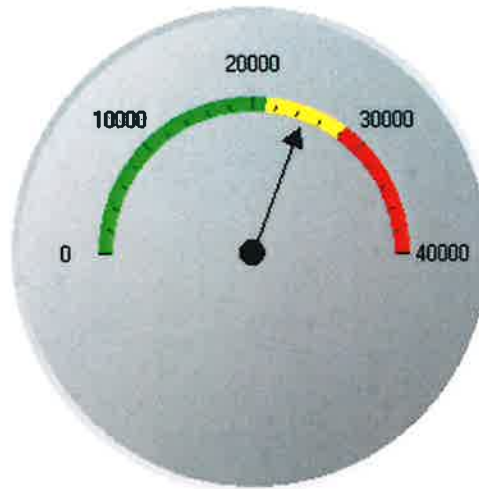
11/01/2025 - 11/30/2025



Influent BOD loading Lbs - Monthly AVG

24,520 Lbs./Day

12/01/2025 - 12/31/2025



0 to 21150 - Target Loading

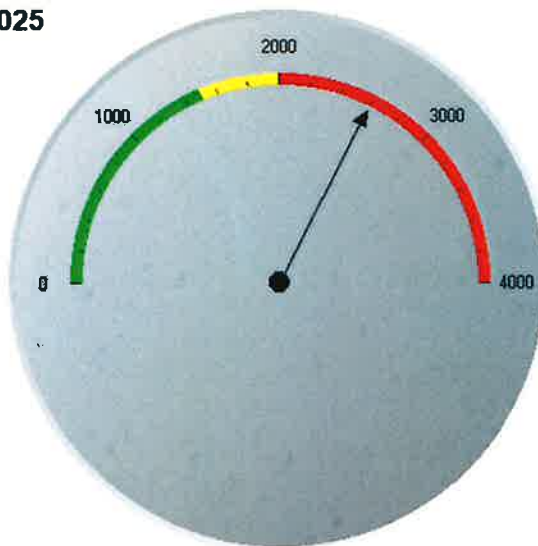
21150 to 28200 - Above 75% Threshold

Above 28200

Influent NH3 loading Lbs - Monthly AVG

2,601 Lbs./Day

12/01/2025 - 12/31/2025



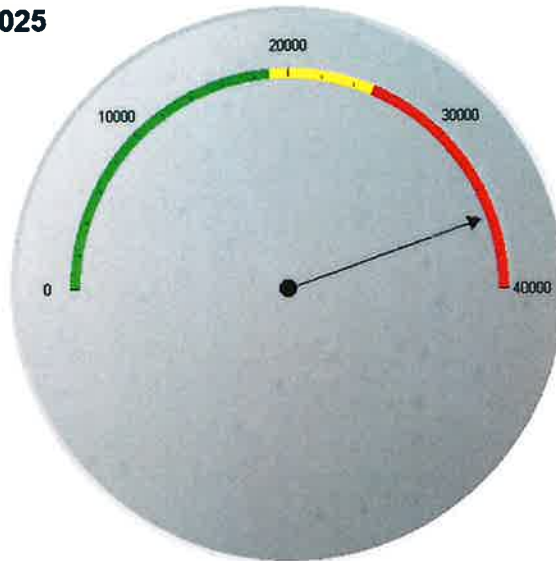
0 to 1500 - Target Loading

1500 to 2000 - Above 75% Threshold

Above 2000

Influent TSS loading Lbs - Monthly AVG
12/01/2025 - 12/31/2025

35,658 Lbs./Day



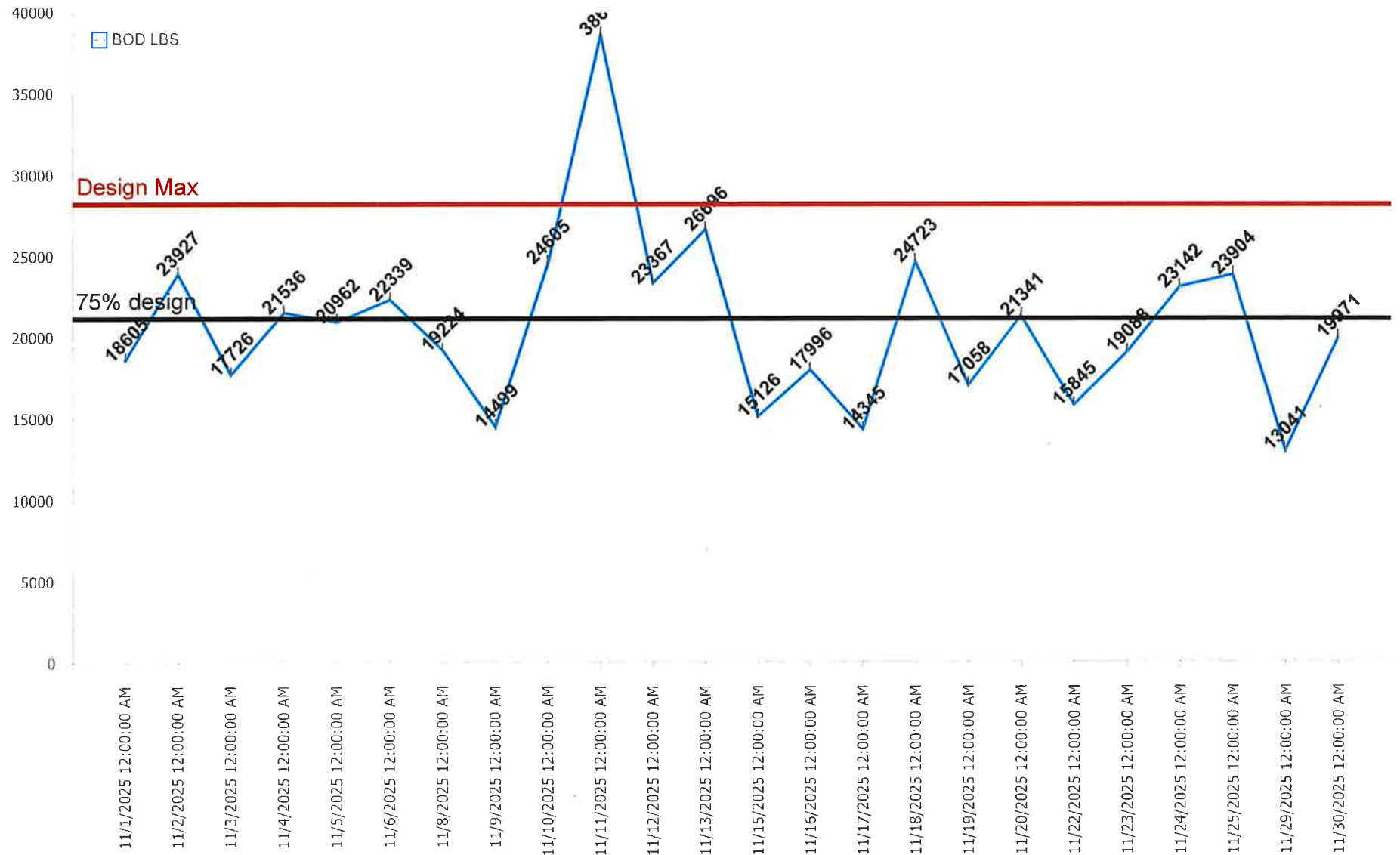
0 to 18900 - Target Loading

18900 to 25200 - Above 75% Threshold

Above 25200

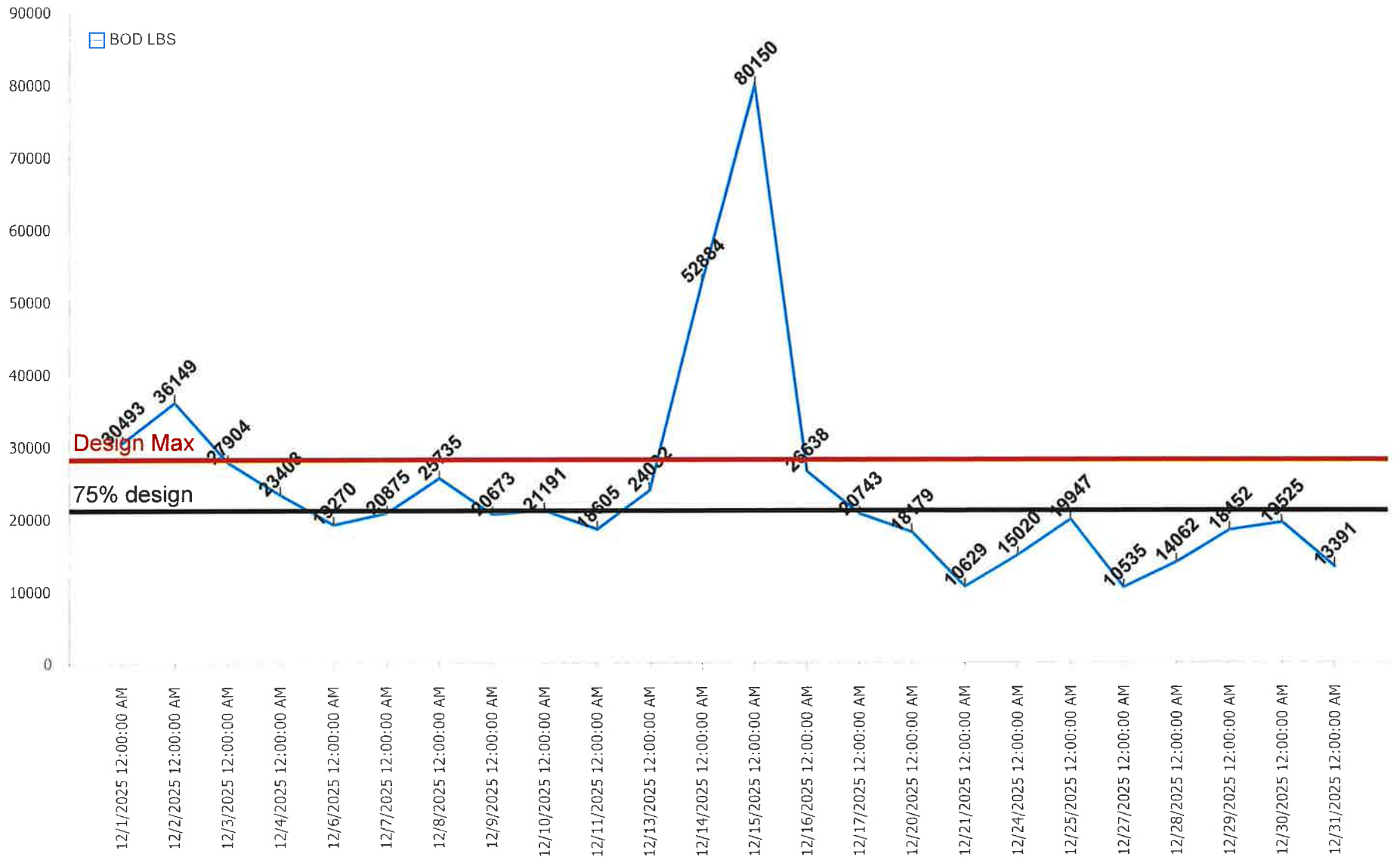
KRMA influent BOD pounds

Average Lbs. BOD: 20,737.83

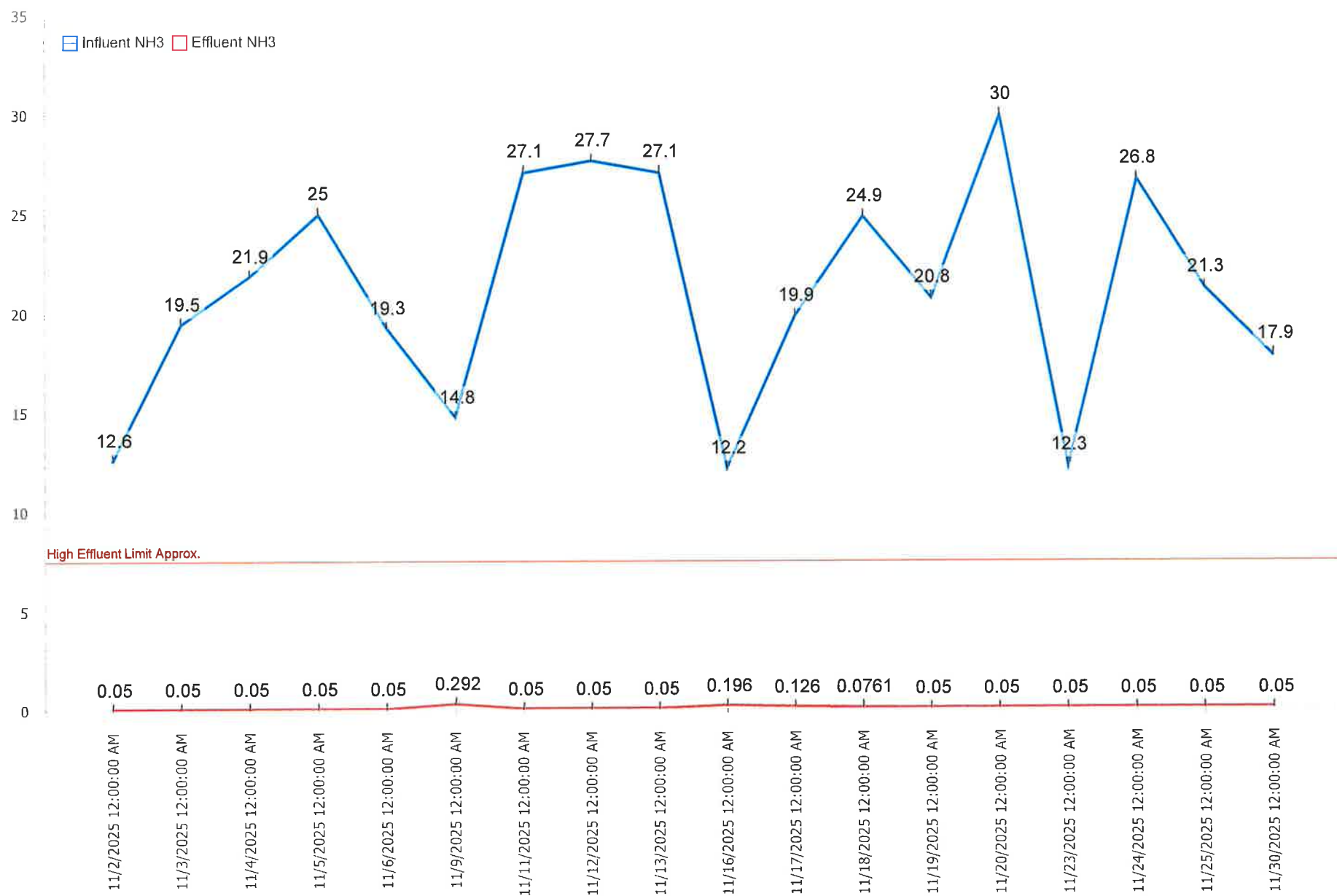


KRMA influent BOD pounds

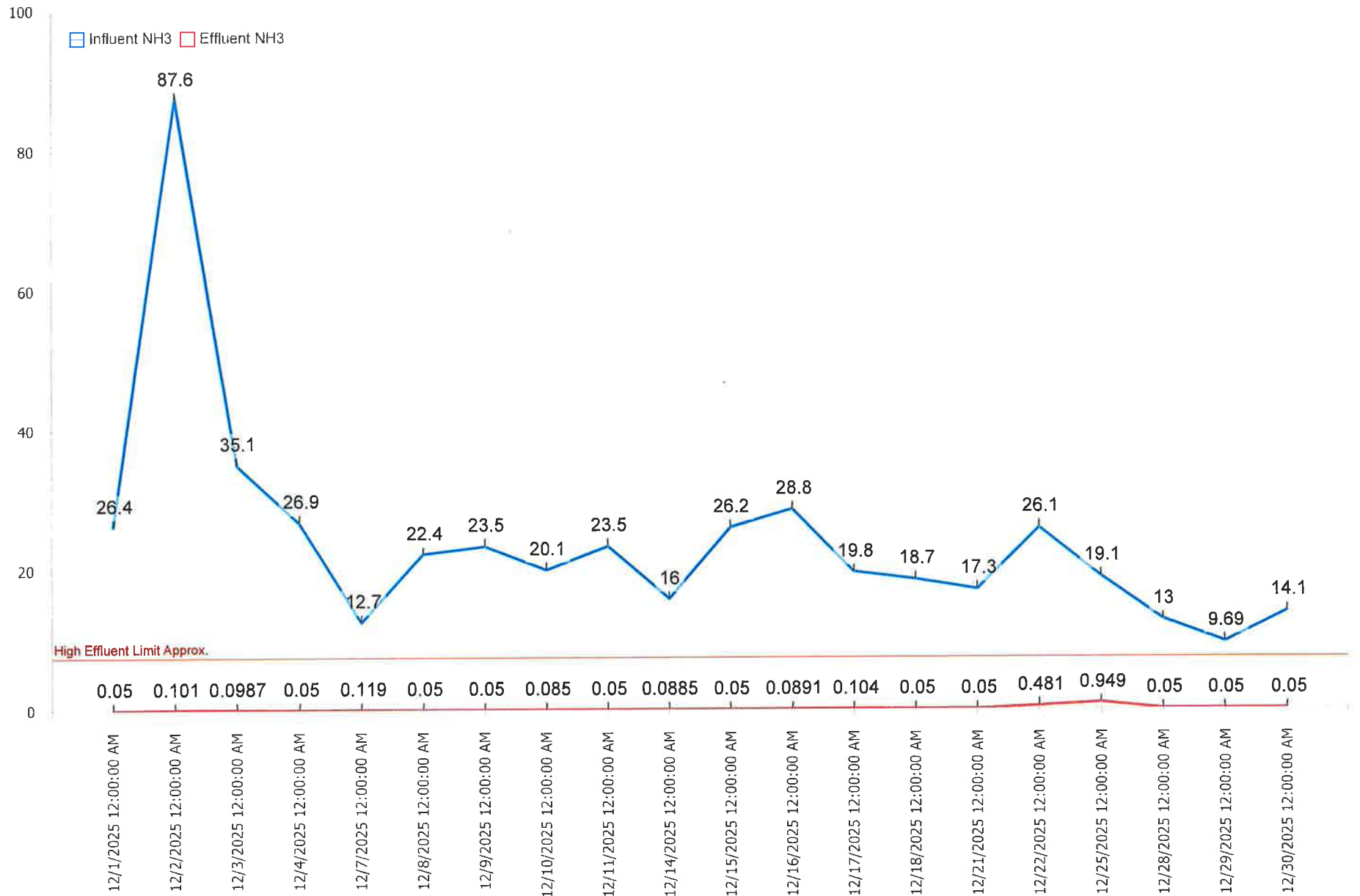
Average Lbs. BOD: 24,520.42



INFLUENT NH3 MG/L VS EFFLUENT NH3 MG/L



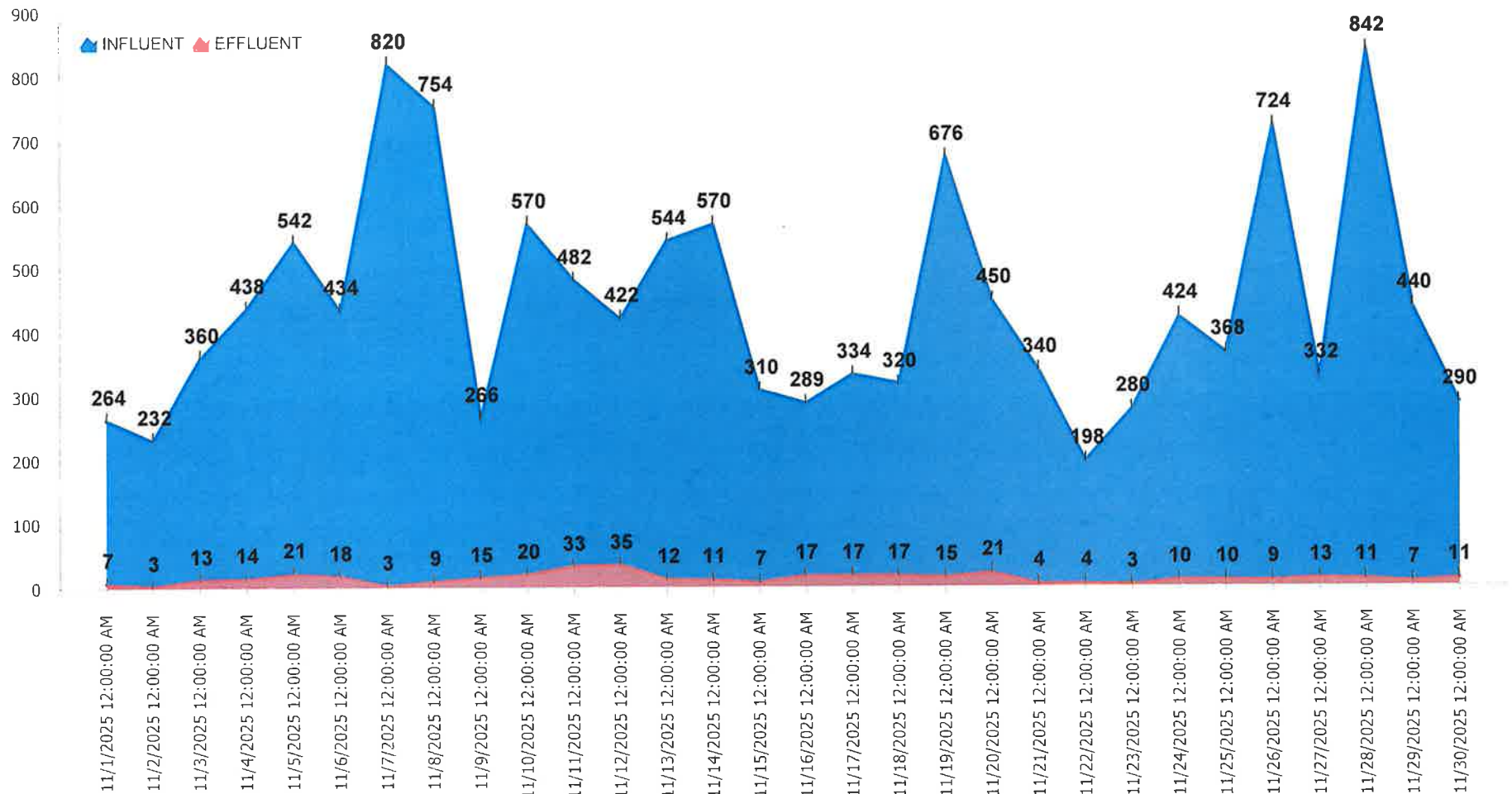
INFLUENT NH3 MG/L VS EFFLUENT NH3 MG/L



INFLUENT TSS VS. EFFLUENT TSS

11/1/2025 TO 11/30/2025

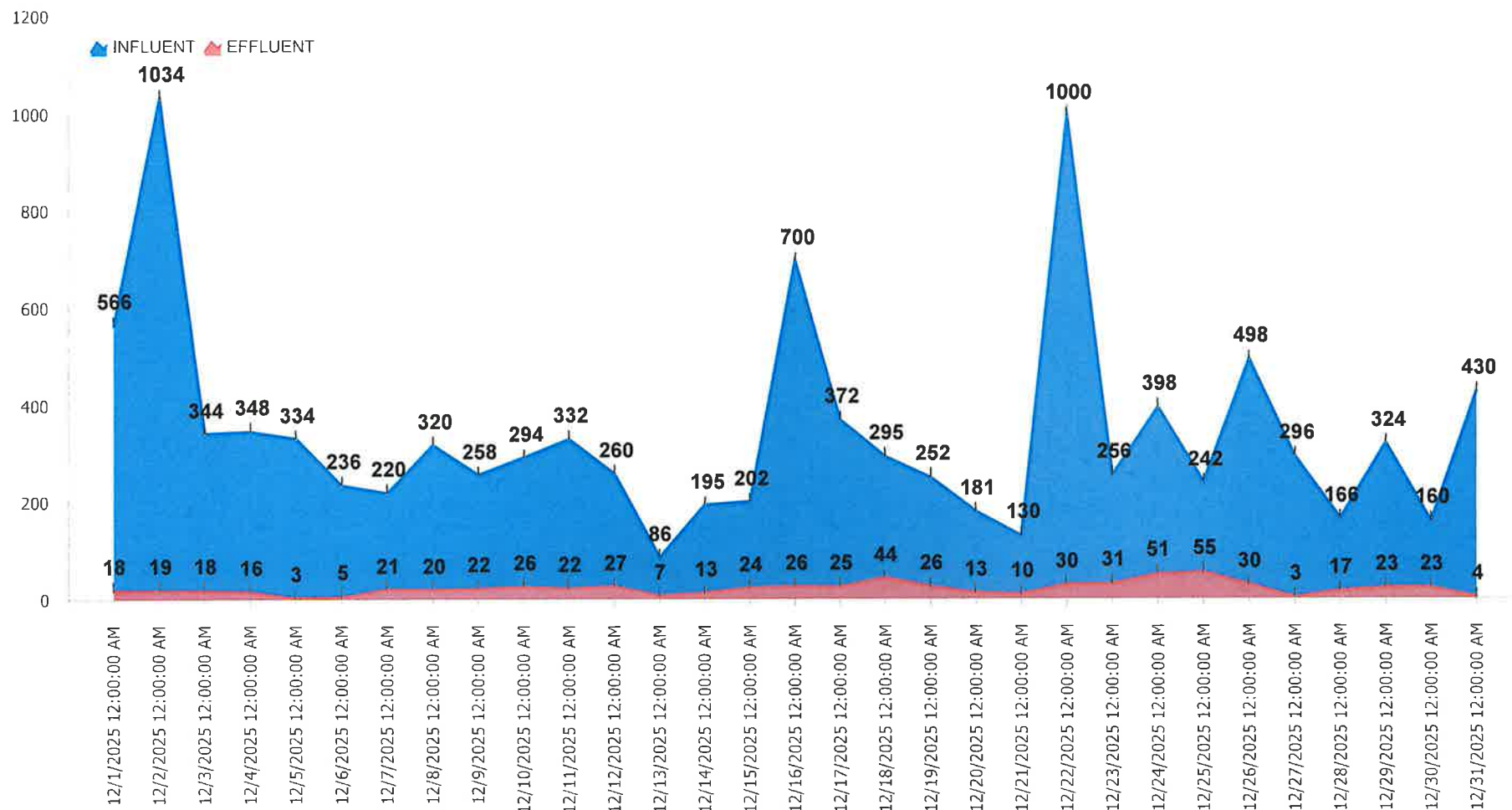
Effluent Average 13



INFLUENT TSS VS. EFFLUENT TSS

12/1/2025 TO 12/31/2025

Effluent Average 21.68



ATTACHMENT

B

Flows
KRMA Treatment Facility
November, 2025

Date	PRECIPITA INCHES	PLANT MGD	Kankakee MGD	BOURB. MGD	BradleyFlow MGD	AromaPark MGD
11/1/2025	.40	8.68	5.58	2.24	.84	.03
11/2/2025	.00	9.02	5.83	2.25	.91	.03
11/3/2025	.00	8.82	5.69	2.29	.82	.03
11/4/2025	.00	8.97	5.94	2.23	.77	.03
11/5/2025	.00	8.91	5.85	2.24	.79	.03
11/6/2025	.00	9.05	6.00	2.24	.78	.03
11/7/2025	.00	9.65	6.45	2.33	.84	.03
11/8/2025	.25	9.11	5.99	2.21	.88	.03
11/9/2025	.38	10.47	6.75	2.60	1.09	.03
11/10/2025	.62	10.24	6.62	2.63	.96	.03
11/11/2025	.00	10.24	6.58	2.67	.96	.03
11/12/2025	.00	10.53	7.09	2.50	.91	.03
11/13/2025	.00	9.82	6.47	2.43	.89	.03
11/14/2025	.00	9.92	6.71	2.31	.88	.03
11/15/2025	.00	9.60	6.37	2.30	.90	.03
11/16/2025	.00	9.46	6.28	2.25	.90	.03
11/17/2025	.00	9.66	6.49	2.32	.82	.03
11/18/2025	.19	10.02	6.77	2.34	.88	.03
11/19/2025	.01	9.93	6.73	2.35	.83	.03
11/20/2025	.01	9.66	6.52	2.27	.84	.03
11/21/2025	.03	9.78	6.77	2.19	.78	.04
11/22/2025	.00	9.79	6.58	2.28	.90	.03
11/23/2025	.00	9.30	6.15	2.22	.90	.03
11/24/2025	.00	9.50	6.40	2.22	.85	.03
11/25/2025	.12	9.68	6.45	2.28	.92	.03
11/26/2025	.00	9.59	6.41	2.27	.89	.03
11/27/2025	.00	9.22	6.11	2.25	.83	.03
11/28/2025	.00	8.92	6.00	2.11	.78	.03
11/29/2025	.00	9.19	6.27	2.12	.77	.03
11/30/2025	.57	9.64	6.60	2.23	.78	.03
Total	2.58	286.37	190.43	69.18	25.89	.87
Average	.09	9.55	6.50	2.31	.86	.03
Minimum	.00	8.68	5.58	2.11	.77	.03
Maximum	.62	10.53	8.99	2.67	1.09	.04
# of data	30.00	30.00	30.00	30.00	30.00	30.00

Flows
KRMA Treatment Facility
December, 2025

Date	PRECIPITA INCHES	PLANT MGD	Kankakee MGD	BOURB. MGD	BradleyFlow MGD	AromaPark MGD
12/1/2025	.00	9.96	6.78	2.39	.76	.03
12/2/2025	.14	10.27	7.09	2.33	.82	.03
12/3/2025	.00	10.25	7.05	2.35	.82	.03
12/4/2025	.00	10.02	6.87	2.33	.79	.03
12/5/2025	.00	10.05	6.88	2.34	.80	.04
12/6/2025	.00	9.96	6.78	2.29	.85	.04
12/7/2025	.11	10.13	6.86	2.33	.91	.04
12/8/2025	.00	10.11	6.82	2.41	.84	.04
12/9/2025	.00	10.11	6.77	2.41	.90	.03
12/10/2025	.10	12.15	7.88	3.12	1.12	.03
12/11/2025	.00	11.22	6.79	3.43	.98	.03
12/12/2025	.06	10.62	6.60	3.04	.95	.03
12/13/2025	.00	10.13	6.38	2.85	.87	.03
12/14/2025	.14	10.06	6.42	2.64	.97	.03
12/15/2025	.00	10.06	6.39	2.71	.93	.03
12/16/2025	.00	10.30	6.67	2.65	.95	.03
12/17/2025	.00	10.30	6.62	2.60	1.05	.03
12/18/2025	.00	14.23	9.10	3.28	1.82	.03
12/19/2025	.00	12.63	6.91	4.41	1.28	.03
12/20/2025	.00	11.29	6.71	3.37	1.18	.03
12/21/2025	.00	10.62	6.46	3.03	1.10	.03
12/22/2025	.00	10.51	6.52	2.87	1.09	.03
12/23/2025	.00	10.61	6.58	2.84	1.16	.03
12/24/2025	.00	10.18	6.15	2.88	1.12	.03
12/25/2025	.00	9.68	5.92	2.70	1.03	.03
12/26/2025	.00	10.00	6.23	2.67	1.07	.03
12/27/2025	.00	10.03	6.13	2.80	1.06	.03
12/28/2025	.00	16.37	10.11	3.88	2.35	.03
12/29/2025	1.30	14.37	4.96	7.22	2.16	.03
12/30/2025	.05	12.59	6.32	4.48	1.75	.04
12/31/2025	.01	12.16	6.50	3.89	1.72	.05
Total	1.91	340.95	210.24	94.53	35.20	1.00
Average	.06	11.00	8.59	3.05	1.14	.03
Minimum	.00	9.68	4.96	2.29	.76	.03
Maximum	1.30	16.37	21.73	7.22	2.35	.05
# of data	31.00	31.00	31.00	31.00	31.00	31.00

ATTACHMENT

C



Safety Meeting Agenda
December 9th, 2025
1:30 PM

I. Safety Minutes Review

- A. Review November 13, 2025 Safety Minutes.

II. Old Business

- A. There were no lost time accidents for November 2025.

III. New Business

- A. Hazard Communication/Global Harmonization System
- B. Phase 1 Update
- C. Safety Team Leader Report
- D. Safety Concerns

IV. Operations Report

- A. Open discussion

Next Safety Meeting – January 15th, 11:00 A.M.



Safety Minutes
November 13, 2025
1:30 PM

Attended:

RJ Tyson, Facilitator

Dan Combs
John Lund
Dennis Kaiser
Mike Arseneau

Jim Churney
Josh Peters
Nick Tucker
Adam Napoleon

Shaun Ownbey
Rob Forsman
Michelle Howard
Dave Johnson

Bryan Kennedy
Max Gossett
Shawn Malone
Tyler Stewart

Absent:

Alex Bowser

Jack Renchen

Dave Tyson

Ronald Haney

I. Safety Minutes Review

- A. Review October 14, 2025 Safety Minutes.

II. Old Business

- A. There were no lost time accidents for October 2025.

III. New Business

- A. Blood Born Pathogens
 - o Presented video training to staff covering bloodborne pathogen awareness and safety practices.
- B. Safety Grant
 - o Provided staff with an update on KRMA's 2026 Safety Grant award and collected suggestions for how the grant funds should be allocated.
- C. Safety Team Leader Report
 - o The safety team leader had no new items to report.
- D. Safety Concerns
 - o No safety concerns were raised.



IV. Operations Report

A. Open discussion

- 2 of the EIC applicants will tour the plant before an offer is extended.
- Atlas Copco is on slight finishing maintenance work on the blowers.
- Brent from Strand will be on light November 17th to continue SCADA troubleshooting and training.
- Ale Gonzalez will be conducting the annual inspection from the IEPA on December 29th.

Next Safety Meeting – January 15th, 11:00 AM



Safety Meeting Agenda

Lunch and Learn

January 15th, 2026

11:00 AM

I. Safety Minutes Review

- A. Review December 9th, 2025 Safety Minutes.

II. Old Business

- A. There were no lost time accidents for December 2025.

III. New Business

- A. Loctite Continuous Improvement Training
- B. Safety Team Leader Report
- C. Safety Concerns

IV. Operations Report

- A. Open discussion

Next Safety Meeting: February 10th, 2026



Safety Minutes
December 9th, 2025
1:30 PM

Attended:

RJ Tyson, Facilitator

Dan Combs	Jim Churney	Shaun Ownbey	Bryan Kennedy
John Lund	Josh Peters	Rob Forsman	Max Gossett
Dennis Kaiser	Nick Tucker	Michelle Howard	Shawn Malone
Mike Arseneau	Adam Napoleon	Dave Johnson	Tyler Stewart
Dave Tyson	Alex Bowser	Ronald Haney	Jack Renchen

Absent:

I. Safety Minutes Review

- A. Review November 13, 2025 Safety Minutes.

II. Old Business

- A. There were no lost time accidents for November 2025.

III. New Business

- A. Hazard Communication/Global Harmonization System
 - o Presented video training to staff covering Hazard Communication and Global Harmonization System
- B. Phase 1 Update
 - o An update was provided to staff regarding the Phase 1 Project bid results.
- C. Safety Team Leader Report
 - o The safety team leader had no new items to report
- D. Safety Concerns
 - o 3 of the portable gas detectors were found to have failed combustible sensors. Replacements have been ordered.



IV. Operations Report

A. Open discussion

- Alex Bowser accepted the open Lead Operator position.
Start date: January 12th.
- Dennis Carmain accepted the open EIC position.
Start date: December 15th.
- Adam identified the root cause of the flatbed truck heater blower issue, avoiding an estimated \$5,990 in repair costs.
- Alex was able to weld and repair the salt spreader shaft, allowing continued snow and ice control during wet weather over the weekend.
- Tyler, Nick, John, and Josh correctly identified the failure on the filtrate pump and returned to service.

ATTACHMENT D

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: KANKAKEE/BROOKMONT

FLOW METER MODEL: ISCO Signature

INFLUENT December 9th, 2025

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, **had to reset meter**

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 24.063" Level 23.624"

LEVEL AFTER: 24.062"

Actual Flow 88.57 GPM 4.193"

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 12/9/2025

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 December 9th, 2025

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 20.01 MGD

LEVEL AFTER: 20.01 MGD

C) Actual Flow 10.19 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: 12/9/2025

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 December 9th, 2025

PRIMARY DEVICE: 72" PIPE

FLOW: 0-115 MGD

MEASURING DEVICE:

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 level 50.250" As found 50.22"

LEVEL AFTER: 50.22"

C) Actual level 25.587" 8.57MGD

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: 12/9/2025

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 December 9th, 2025

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 24.063" Level 23.847"

LEVEL AFTER: 24.066"

D) Actual Flow 1.516" 17.05 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: 12/9/2025

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

Date: December 9th, 2025

PRIMARY DEVICE: PHARSHAL

FLOW: 0-21.36

MEASURING DEVICE: ULTRASONIC

CHECK POINTS:

LEVEL? YES

FREE FLOWING? Yes

TURBULENCE? Yes

BLOCKAGE? NO

SURFACE BUILD-UP? NONE

HEAD MEASURING DEVICE MOUNTED PROPERLY? Yes

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? YES

CALIBRATION:

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

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

LEVEL BEFORE:

LEVEL AFTER:

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

LEVEL BEFORE: Target 9.5" Level reading 9.57"

LEVEL AFTER: 9.57"

C) Actual Flow 0.38 MGD 2.214"

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: 12/9/2025

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 December 9th, 2025

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 19.98 MGD

LEVEL AFTER: 19.98 MGD

C) Actual Flow 10.19 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: 12/9/2025

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 December 9th,2025

PRIMARY DEVICE: 36" PIPE

FLOW: 0-21.36 MGD

MEASURING DEVICE:

CHECK POINTS:

LEVEL? YES

FREE FLOWING? Yes

TURBULENCE? NO

BLOCKAGE? NO

SURFACE BUILD-UP? None

HEAD MEASURING DEVICE MOUNTED PROPERLY? Yes

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? YES

CALIBRATION:

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

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

LEVEL BEFORE:

LEVEL AFTER:

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

LEVEL BEFORE: Target level 14.0" As found 13.744"

LEVEL AFTER: 14.07"

C) Actual level 8.839" 2.35 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: 12/9/2025

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 January 8th, 2026

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 24.063" Level 24.140"

LEVEL AFTER: 24.065"

D) Actual Flow 1.795" 23.56 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: 1/8/2026

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

Date: January 8th, 2025

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 10.5" Level reading 10.486"

LEVEL AFTER: 10.504"

C) Actual Flow 0.68 MGD 3.228"

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: 1/8/2026

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 January 13th, 2026

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 20.31 MGD

LEVEL AFTER: 20.05 MGD

C) Actual Flow 12.51 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: 1/13/2026

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 January 13th, 2026

PRIMARY DEVICE: 72" PIPE

FLOW: 0-115 MGD

MEASURING DEVICE:

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 level 49.50" As found 49.528"

LEVEL AFTER: 49.528"

C) Actual level 27.098" 10.15 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: 1/13/2026

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 January 13th, 2026

PRIMARY DEVICE: Flume

FLOW: 0-73.425 MGD

MEASURING DEVICE: Ultrasonic

CHECK POINTS:

LEVEL? YES

FREE FLOWING? Yes

TURBULENCE? NO

BLOCKAGE? NO

SURFACE BUILD-UP? No

HEAD MEASURING DEVICE MOUNTED PROPERLY? YES

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? YES

CALIBRATION:

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

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

LEVEL BEFORE:

LEVEL AFTER:

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

LEVEL BEFORE: Target Set 20 MGD AS Found 20.29 MGD

LEVEL AFTER: 20.04 MGD

C) Actual Flow 12.51 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: 1/13/2026

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 January 8th, 2026

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, **had to reset meter**

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 24.063" Level 24.276"

LEVEL AFTER: 24.067"

Actual Flow 73.22 GPM 3.736"

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 1/8/2026

**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 January 13th, 2026

PRIMARY DEVICE: 36" PIPE

FLOW: 0-21.36 MGD

MEASURING DEVICE:

CHECK POINTS:

LEVEL? YES

FREE FLOWING? Yes

TURBULENCE? NO

BLOCKAGE? NO

SURFACE BUILD-UP? None

HEAD MEASURING DEVICE MOUNTED PROPERLY? Yes

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? YES

CALIBRATION:

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

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

LEVEL BEFORE:

LEVEL AFTER:

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

LEVEL BEFORE: Target level 13.5" As found 13.701"

LEVEL AFTER: 13.508"

C) Actual level 12.193" 3.83 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: 1/13/2026

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

ATTACHMENT

E

Monthly Pretreatment Program Totals

November 2025

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

November 2025 Monthly Pretreatment Sample Analysis (metals, cyanide & VOA) for the permitted industries were a total of **36 samples** and a total of **184 analyses**.

Hoffman Transportation, LLC	6 Samples
Liberty Landfill, LLC	10 Samples
Livingston Landfill	5 Samples
Natural Gas & Pipeline Co. of America	2 Samples
Tank Cleaning Solutions, LLC	13 Samples

Volumes Received for November 2025 for trucked-in industries.

Hoffman Transportation, LLC	130,000 gals	26 loads
Kankakee Recycling & Disposal Facility	0 gals	0 loads
Lake County C&D Landfill	0 gals	0 loads
Laraway Recycling & Disposal Facility	0 gals	0 loads
Liberty Landfill, LLC	545,603 gals	80 loads
Livingston Landfill	121,695 gals	18 loads
Natural Gas & Pipeline Co. of America	10,000 gals	2 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	0 gals	0 loads
Tank Cleaning Solutions, LLC	136,162 gals	26 loads
Verdant Specialty Solutions US LLC	0 gals	0 loads
Totals:	943,460 gals	152 loads

The KRMA Facility received a total of **159 loads** of septage which totalled **454,400 gallons** for the month of November 2025

**Monthly Pretreatment
Program Totals**
December 2025

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

December 2025 Monthly Pretreatment Sample Analysis (metals, cyanide & VOA) for the permitted industries were a total of **42 samples** and a total of **190 analyses**.

Hoffman Transportation, LLC	8 Samples
Liberty Landfill, LLC	9 Samples
Livingston Landfill	6 Samples
Natural Gas & Pipeline Co. of America	5 Samples
Tank Cleaning Solutions, LLC	14 Samples

Volumes Received for December 2025 for trucked-in industries.

Hoffman Transportation, LLC	140,000 gals	28 loads
Liberty Landfill, LLC	500,813 gals	74 loads
Livingston Landfill	166,644 gals	25 loads
Natural Gas & Pipeline Co. of America	45,000 gals	9 loads
Tank Cleaning Solutions, LLC	172,821 gals	33 loads

Totals: 1,025,278 gals 169 loads

The KRMA Facility received a total of **124 loads** of septage which totalled **365,600 gallons** for the month of December 2025

KRMA YEARLY UTILITY USAGE - (2025)

	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	804,901	31	\$ 84,993	\$ 2,742	-	-	804,901	1,082	\$ 0.1056	278,400	32	\$ 2,910	8,700	91
FEBRUARY	876,795	32	\$ 55,829	\$ 1,745	-	-	876,795	1,142	\$ 0.0637	274,200	29	\$ 2,878	9,455	99
MARCH	793,458	61	\$ 50,811	\$ 833	-	-	793,458	542	\$ 0.0640	299,500	28	\$ 3,305	10,696	118
APRIL	758,809	30	\$ 48,382	\$ 1,613	-	-	758,809	1,054	\$ 0.0638	275,400	30	\$ 3,104	9,180	103
MAY	774,191	32	\$ 65,112	\$ 2,035	-	-	774,191	1,008	\$ 0.0841	291,000	32	\$ 3,234	9,094	101
JUNE	692,794	29	\$ 66,278	\$ 2,285	-	-	692,794	995	\$ 0.0957	265,200	29	\$ 3,019	9,145	104
JULY	707,157	30	\$ 69,394	\$ 2,313	-	-	707,157	982	\$ 0.0981	286,800	33	\$ 3,199	8,691	97
AUGUST	841,868	34	\$ 74,791	\$ 2,200	-	-	841,868	1,032	\$ 0.0888	246,100	30	\$ 2,860	8,203	95
SEPTEMBER	710,881	30	\$ 71,859	\$ 2,395	-	-	710,881	987	\$ 0.1011	395,600	30	\$ 4,109	13,187	137
OCTOBER	704,844	29	\$ 65,473	\$ 2,258	-	-	704,844	1,013	\$ 0.0929	286,700	33	\$ 3,202	8,688	97
NOVEMBER	787,042	32	\$ 75,763	\$ 2,368	-	-	787,042	1,025	\$ 0.0963	245,900	28	\$ 2,862	8,782	102
DECEMBER	789,046	34	\$ 51,675	\$ 1,520	-	-	789,046	967	\$ 0.0655	271,500	33	\$ 2,959	8,227	90
TOTAL	9,241,787	404	\$ 780,360	24,306	0	0	9,241,787	11,829	\$ 1.0195	3,416,300	367	\$ 37,642	112,048	1,235
	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	42,707	30	\$ 29,294	1424	\$ 976
FEBRUARY	51,486	33	\$ 34,880	1560	\$ 1,057
MARCH	43,630	35	\$ 29,584	1247	\$ 845
APRIL	25,925	27	\$ 18,102	960	\$ 670
MAY	16,560	29	\$ 29,851	571	\$ 1,029
JUNE	13,213	30	\$ 9,387	440	\$ 313
JULY	10,038	32	\$ 7,273	314	\$ 227
AUGUST	8,365	29	\$ 6,123	288	\$ 211
SEPTEMBER	9,282	30	\$ 6,462	309	\$ 215
OCTOBER	11,633	32	\$ 7,988	364	\$ 250
NOVEMBER	39,021	29	\$ 8,770	1346	\$ 302
DECEMBER				#DIV/0!	#DIV/0!
TOTAL	271,860	336	\$ 187,714	#DIV/0!	#DIV/0!
	Therms	Days	Total Cost \$/Billing Period	Therms/Day	Total Cost \$/day



Annual Load / Gallon Totals

2025

IV-B-2

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	Momence Packing	Natural Gas & Pipeline Co. of America	Newton County Landfill	Peoria Packing Co.	Prairie View - Will County RNG Plant	Prairie View RDF	Tank Cleaning Solutions, LLC	Verdant Specialty Solutions US LLC	Total	# Loads
January	144,300	165,000				113,068	615,582	100,450		45,000				206,169	193,769		1,583,336	277
February	42,000	155,000				786,060	299,096	114,093		20,000				113,862	193,769		1,723,880	284
March		160,000				801,941		113,262		100,000		17,500		313,567	230,428		1,736,698	303
April		160,000				913,762	258,303	153,379		70,000		10,000		290,001	225,188		2,080,633	351
May		155,000				937,134	66,002	143,610		40,000				325,468	209,486		1,876,700	319
June		155,000				932,765	357,166	158,627		50,000				506,013	157,110		2,316,681	391
July		145,000				683,944	278,108	161,178		55,000		2		503,765	199,006		2,026,003	346
August		150,000				906,997	658,979	207,970		50,000				402,309	188,532		2,564,787	425
September		125,000				810,043	947,742	183,094	6,000	5,000				405,347	172,821		2,655,047	433
October		165,000				5,638	643,656	182,445		25,000				356,969	183,295		1,562,003	264
November		130,000					545,603	121,695		10,000					136,162		943,460	160
December		140,000					500,813	166,644		45,000					172,821		1,025,276	171
Totals	186,300	1,805,000				6,891,352	5,171,050	1,806,447	6,000	515,000		27,502		3,423,470	2,262,387		22,094,508	3,734
Average	93,150	150,416				626,486	430,920	150,537	3,000	42,916		2,500		311,224	188,532		1,841,209	311
Treatment Costs as of 05/01/25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Treatment Costs as of 05/01/24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

Monthly TSS/BOD Loading Report

November, 2025

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

Hauler	Gallons	Lbs TSS	Lbs BOD	NH3
Hoffman Transportation, LLC	130,000	354	1,305	
Liberty Landfill, LLC	545,603	894	17,199	13,423
Livingston Landfill	121,695	203	4,354	2,690
Natural Gas & Pipeline Co. of America	10,000	5	15	
Tank Cleaning Solutions, LLC	136,162	699	7,892	
Totals: 943,460		2,154	30,765	

Monthly TSS/BOD Loading Report

December, 2025

1600 West Brookmont
Blvd.
Phone: 815-933-0444
Fax: 815-933-0104

Hauler	Gallons	Lbs TSS	Lbs BOD	NH3
Hoffman Transportation, LLC	140,000	335	2,154	
Liberty Landfill, LLC	500,813	1,541	11,620	12,438
Livingston Landfill	166,644	512	4,016	2,717
Natural Gas & Pipeline Co. of America	45,000	10	71	
Tank Cleaning Solutions, LLC	172,821	643	3,201	
Totals: 1,025,278		3,041	21,062	15,155

[illegible]

Flows
KRMA Treatment Facility
December, 2025

Date	PRECIPITA INCHES	PLANT MGD	Kankakee MGD	BOURB. MGD	BradleyFlow MGD	AromaPark MGD
12/1/2025	.00	9.96	6.78	2.39	.76	.03
12/2/2025	.14	10.27	7.09	2.33	.82	.03
12/3/2025	.00	10.25	7.05	2.35	.82	.03
12/4/2025	.00	10.02	6.87	2.33	.79	.03
12/5/2025	.00	10.05	6.88	2.34	.80	.04
12/6/2025	.00	9.96	6.78	2.29	.85	.04
12/7/2025	.11	10.13	6.86	2.33	.91	.04
12/8/2025	.00	10.11	6.82	2.41	.84	.04
12/9/2025	.00	10.11	6.77	2.41	.90	.03
12/10/2025	.10	12.15	7.88	3.12	1.12	.03
12/11/2025	.00	11.22	6.79	3.43	.98	.03
12/12/2025	.06	10.62	6.60	3.04	.95	.03
12/13/2025	.00	10.13	6.38	2.85	.87	.03
12/14/2025	.14	10.06	6.42	2.64	.97	.03
12/15/2025	.00	10.06	6.39	2.71	.93	.03
12/16/2025	.00	10.30	6.67	2.65	.95	.03
12/17/2025	.00	10.30	6.62	2.60	1.05	.03
12/18/2025	.00	14.23	9.10	3.28	1.82	.03
12/19/2025	.00	12.63	6.91	4.41	1.28	.03
12/20/2025	.00	11.29	6.71	3.37	1.18	.03
12/21/2025	.00	10.62	6.46	3.03	1.10	.03
12/22/2025	.00	10.51	6.52	2.87	1.09	.03
12/23/2025	.00	10.61	6.58	2.84	1.16	.03
12/24/2025	.00	10.18	6.15	2.88	1.12	.03
12/25/2025	.00	9.68	5.92	2.70	1.03	.03
12/26/2025	.00	10.00	6.23	2.67	1.07	.03
12/27/2025	.00	10.03	6.13	2.80	1.06	.03
12/28/2025	.00	16.37	10.11	3.88	2.35	.03
12/29/2025	1.30	14.37	4.96	7.22	2.16	.03
12/30/2025	.05	12.59	6.32	4.48	1.75	.04
12/31/2025	.01	12.16	6.50	3.89	1.72	.05
Total	1.91	340.95	210.24	94.53	35.20	1.00
Average	.06	11.00	8.59	3.05	1.14	.03
Minimum	.00	9.68	4.96	2.29	.76	.03
Maximum	1.30	16.37	21.73	7.22	2.35	.05
# of data	31.00	31.00	31.00	31.00	31.00	31.00

RESOLUTION NO. _____

**A RESOLUTION APPROVING CONTRACT FOR PIPING INSULATION WORK AND
WAIVING BIDDING REQUIREMENTS FOR WORK**

WHEREAS, Kankakee River Metropolitan Agency (“KRMA”) is organized and existing under an Intergovernmental Agreement, as amended, entered into pursuant to Section 3.4 of the Intergovernmental Cooperation Act, 5 ILCS 220.3.4 et seq.; and

WHEREAS, it is necessary for KRMA to complete certain piping insulation work in connection with piping installation at the KRMA facility, and the cost of the work was not anticipated to exceed \$25,000, but following solicitation of proposals KRMA received a proposal from a contractor indicating the insulation work would cost in excess of \$27,000; and

WHEREAS, following the \$27,000 proposal, KRMA received two additional proposals including a proposal from M&O Insulation Company in the amount of \$7,495, a copy of which is attached hereto as Exhibit 1; and

WHEREAS, Section 8-9-1 of the Illinois Municipal Code, 65 ILCS 5/8-9-1, which is applicable to KRMA pursuant to 5 ILCS 220/3.5, provides that a contract otherwise required to be bid may be entered into without public bidding if authorized by a vote of at least 2/3 of the Directors then holding office; and

WHEREAS, in order to avoid project delays and other harmful disruptions at the KRMA facility, KRMA has determined that it is necessary and appropriate to contract for the insulation work without bidding.

NOW, THEREFORE, BE IT RESOLVED, by the Board of Directors of the Kankakee River Metropolitan Agency, Kankakee County, Illinois as follows:

Section One: That the above recitals and findings contained in the preamble to this Resolution are true and correct and are hereby incorporated into this Resolution as if fully set forth herein.

Section Two: The KRMA Board of Directors hereby determine bidding is not necessary or required and hereby approve entry into a contract with M&O Insulation Company, on the terms and conditions set forth in Exhibit 1.

Section Three: The KRMA Chair, Executive Director, and Superintendent are hereby authorized and directed to sign contracts and documents as may be necessary or appropriate to effectuate KRMA's entry into the contract for piping insulation work in accordance with this Resolution.

Section Four: All resolutions, motions, or orders in conflict with this Resolution are hereby repealed to the extent they are inconsistent with this Resolution.

Section Five: This Resolution shall be in full force and effect upon its passage and approval.

ADOPTED AND APPROVED by the Board of Directors of the Kankakee River Metropolitan Agency, this 22nd day of January 2026.

Ayes:

Nays:

Absent:

SIGNED: _____
Chris Curtis, Chair

ATTEST:

Brian Stump, Secretary

EXHIBIT 1

PROPOSAL OF M&O INSULATION COMPANY

Exhibit A



Telephone # (708)-799-3850
Fax # (708)-799-8508

January 15th, 2026

Kankakee River Metropolitan Agency

Attn: Mr. Bryan Kennedy

**RE: INSULATION INQUIRY
Loading Stand Insulation**

Bryan,

We present our proposal to furnish labor, materials, tools, equipment and supervision to install insulation on the above-referenced project.

Our lump sum price is: \$ 5,075

ADD for ALL New Removable Blankets: \$ 7,495

Our price is based on the following clarifications:

1. Our scope of work is to insulate the 8" Ductile piping on the Loading Stand and to provide (1) removable cover for the lower valve per site visit taken January 14, 2026.
2. All insulation will be 2 1/2" Fiberglass with a factory-applied ASJ jacketing.
3. Insulation will be jacketed with .016 Silver Stucco Aluminum and Aluminum fitting covers.
4. All work will be performed on straight time.
5. We assume aerial equipment will be provided to access the work.
6. We have made allowance for (1) total removable valve blanket. An ADD has been provided if all existing blankets will need to be replaced with new blankets.
7. No coatings, painting, or labeling has been included in our price.
8. All permits, bonds, and fees (credit card) are excluded from pricing.
9. Bid is based on mutually agreed upon schedule, scope, terms, and conditions.

If you have any questions, or if we may be of further assistance, please call.

Respectfully,

M & O INSULATION COMPANY

Brandon Bedalow

Project Manager

Cell: 708-297-4530

bbedalow@mocompany.com

Hinrich Inc.

275 S. Main St.
Clifton, IL 60927
815-694-2533

City Of Kankakee WWTP
KRMA
1600 W Brookmont Blvd.
Kankakee, IL 60901
815-933-0444

After looking at your current pipe insulation for slug unloading station it has been determined that the best course of action would be to remove and replace with like-kind-quality material and installation.

Installation includes removal of old equipment, all the new parts, materials, shipping, taxes, and labor to complete the job.

Terms: ½ down, balance upon completion. Quote is good until 02/15/2025

\$14,983.24



A.J. Shoemaker
815-733-0186
