

AGENDA

KANKAKEE RIVER METROPOLITAN AGENCY MEETING

Thursday, May 26, 2022

9:00 AM in KRMA Board Room

1600 Brookmont Blvd., Kankakee, IL 60901

I. Roll Call

II. Election of Officers for FY 2022-2023

- A. Chairperson (Currently Mayor Christopher Curtis) _____
- B. Vice-Chairperson (Currently Mayor Paul Schore) _____
- C. Secretary (Currently Mayor Brian Stump) _____

III. Public Comment

IV. Approval of Board Minutes

- A. April 21, 2022 – Regular Board Meeting

V. Reports

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

VI. Old Business

- A. CSL Update
- B. NARP Update
- C. Bradley Property Update
- D. Update on Fiscal Year Budget - (May 1, 2022-April 30, 2023)
- E. Management Medical Insurance Options
- F. Cost to replace Plaques
- G. ICP Machine
- H. United Healthcare Insurance Renewal

VII. New Business

- A. Generator Overhaul
- B. Policy for No Trespassing and No Soliciting
- C. Republic Contract

VIII. Executive Session

- A. Personnel & Probable or Imminent Litigation

IX. Next Meeting

Thursday, June 23, 2022 (9:00 AM in KRMA Boardroom)

KANKAKEE RIVER METROPOLITAN AGENCY
MINUTES
April 21, 2022 – 9:00 A.M
1600 W Brookmont Blvd.

In attendance:

Board of Directors:

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

Administration:

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

Attorney:

Neal Smith, Robbins Schwartz

KRMA Staff:

Arthur Strother, Superintendent
Dustin Schepler, Asst. Superintendent, Operations
Melanie Gossett, Asst. Superintendent, Technical Services

Other:

Dan Small, Strand Associates
Terry Memenga, Alternate, Village of Bradley
Tara Latz, Alternate, Village of Bourbonnais

Chairman, Mayor Curtis called the meeting to order

I. **Roll Call**

Roll Call was taken. All Board members were present except for Alderman Larry Osenga.

II. **Public Comment**

None

III. **Approval of Board Minutes March 24, 2022 – Regular Board Meeting**

Motion to approve the March 24, 2022, Regular Board Meeting minutes was made by: Dir. Hunter and seconded by Vice Chairman Schore. All board members present voted in favor of, Dir Robert Romo voted abstained and Dir Larry Osenga absent. Motion Carried.

IV. **Reports**

A. **Operations & Maintenance Report**

Monthly Report

Art presented the MOR. Art informed the Board that we violated our permit with loadings for March 2022 and explained how things are going to be adjusted to address this violation. There was discussion regarding Kensing Solutions LLC and their process and conditions they have involving their force main. There will be regular meetings held regarding their process. Art also explained how rainfall affects the plant. Art informed the Board that KRMA will be participating in the Spark of Nature Event held on Saturday, April 23, 2022, at 9am to 12pm hosted by the Kankakee Valley District to give the community knowledge and understanding on how KRMA helps the environment. Dir Hunter mentioned he would like to see KRMA attend job fairs and give the community more information regarding jobs and the importance of wastewater treatment.

B. **Executive Director Report**

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

Exec. Dir. Dave Tyson presented the yearly utility usage. Most of the utilities are running in line with budget.

2. **Hauled In Waste Summary**

Exec. Dir. Tyson stated hauled in waste is up this month, which brings in revenue for KRMA. There was discussion concerning hauled in waste contribution toward KRMA's violation.

3. **Operations Report**

Exec Dir Dave Tyson stated the Union Local #399 asked if KRMA could be a custodian for their Long/Short Term policy. It would involve deduction from the union staff payroll. KRMA Board agrees to allow KRMA be a custodian for the Union Local #399 Long/Short Term policy payroll deduction for the Union Staff.

C. **Financial Report**

1. **Reports**

Karen Benson presented the financial statements, stating the Statement of Net Position continues to show a strong cash balance. Statement of Revenue/Expense: KRMA received the second payment of the Rebate from Com Ed Energy, which shows a strong Change of net position.

2. **Hauled In Waste Report**

Karen stated Hauled in waste is slightly above budget.

3. **Flows Graphs**

Karen Benson presented the year-to-date flow graphs stating they have been steady. There were questions involving the flows.

D. **Communications**

1. **Kankakee Valley Park District**

Exec Dir Dave Tyson stated KRMA received an invitation from the Kankakee Valley Park District to participate in the Spark of Nature Event held on Saturday, April 23, 2022, at 9am to 12pm at the Civic Auditorium.

V. **Old Business**

A. **CSL Update**

Exec Dir Tyson stated CSL is on schedule with their ammonia pretreatment.

B. **NARP Update**

Exec Dir Tyson stated testing is going on. There is a scheduled meeting for May 5, 2022 @ 10am for NARP Informational Meeting at the Donald E. Green Public Safety Center, 385 East Oak Street, Kankakee, IL 60901.

C. **Bradley Property**

Chairman Curtis stated he had a meeting with Mayor Watson regarding the selling Village of Bradley property located on KRMA facility.

a. **Presentation on Cost to RE-route Expansion without Bradley Property**

Dan Smalls with Strand Associates presented a presentation on the additional cost for re-routing the KRMA Capacity Expansion if Village of Bradley does not sell their property. There was discussion concerning the selling of Village of Bradley Property, whether the capacity expansion is needed, and rebuttal about changes the Village of Bradley would like to have at KRMA. Motion to approve \$15,000 to keep Strand Associates moving forward with expansion was made by Dir Swanson and second by Dir Hunter. All board members present voted in favor of and Dir Larry Osenga absent. Motion Carried.

D. **Update on Fiscal Year Budget – (May 1, 2022 – April 30, 2023)**

Karen stated that there are some things that needs to be addressed. Exec Dir Tyson has a meeting scheduled with Karen for next week.

E. **New Statement of Economic Interest Form**

Chairman Curtis stated if you have any questions regarding the New Statement of Economic Interest Form that is due May 2, 2022, feel free to reach out to Attorney Neal.

F. **Summer Help**

Exec Dir Tyson stated we have received 2 applicants interested in Summer Help. Art stated we would like a third.

G. **Joining Union Insurance**

Exec Dir Tyson stated the Union Local #399 stated that they are willing to take on the management staff under the union insurance. KRMA would just have to abide by the terms of insurance.

VI. **New Business**

A. **Non-Exempt Employee Raises**

Motion to approve Performance Evaluations and Proposed Pay Raises was made by Dir Romo and seconded by Dir Swanson. All board members present voted in favor of and Dir Larry Osenga absent. Motion Carried.

B. **Cost to Replace Plaques**

Exec Dir Tyson stated that the price to replace the 2 plaques would be \$3347. There was discussion regarding the plaque's removal/replacement. Dir Romo stated he will see if the Village of Bradley be willing to pay to have the plaques replaced.

C. **BID Recommendation**

Exec Dir Tyson presented the Bid Recommendation. Informing the Board, the Bids had about 10% increase over last year prices from all our lower bids, except for Chemical Bid. Chlorine price went up to almost five times as much as last year per ton. Also, the other chemicals went up one and a half times as much as last year. Motion to approve BID Recommendation was made by Dir Swanson and seconded by Dir Romo. All board members present voted in favor of and Dir Larry Osenga absent. Motion Carried.

D. **ICP Machine**

Exec Dir Tyson asked to purchase a ICP Machine for our lab. There was discussion regarding the purchase of the ICP Machine.

VII. **Executive Session**

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

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

Roll call was taken, and all Board Members were present except for Dir Larry Osenga.

The Board went into Executive Session to discuss Personnel and probable or imminent litigation.

Motion to return to Open Session was made by: Dir. Hunter and seconded by: Dir Stump. Motion carried.

Roll call was taken, and all Board Members were present except for Dir Larry Osenga.

With the Board back in open session, there was one motion.

VIII. **Next Meeting**

Next Regular Board Meeting- **Thursday, June 23, 2022 (9:00 A.M. at KRMA Board Room)**

Motion to Adjourn was made by: Vice Chairman Schore and seconded by Dir Romo. All board members present voted in favor of, and Dir Osenga absent. Motion Carried.

KRMA

Kankakee River Metropolitan Agency

Providing Wastewater Treatment to the Kankakee River Valley

SPRINGTIME AT



KRMA

Monthly Operations Report

May 2022

KRMA's APRIL HIGHLIGHTS:

The Kankakee River Metropolitan Agency (KRMA) published a public meeting, Kankakee River Nutrient Assessment and Reduction Plan (NARP) informational meeting. The meeting to be held May 5, 2022, at the Don E. Green Public Safety Center, city council chamber. There were several institutions who RSVP.

The KRMA was offered an invitation to attend a virtual meeting on May 18, 2022, for an informational meeting regarding the establishment of the Illinois River Watershed Study Group (IRWSG). The study group will provide recommendations for watershed stakeholders to reduce total phosphorus loads. The study group will also address the NARP requirement.

The KRMA O&M specialist and EIC staff members were given the annual training for Chlorine and Sulfur Dioxide. May 1, 2022, the chlorination season begins and conclude October 31, 2022.

The month of April, the Agency had no violations of the Illinois Environmental Protection Agency NPDES (National Pollutant Discharge Elimination System) permits.

1.0 WASTEWATER TREATMENT FACILITY OPERATION

Attachment A Details the monthly operational information for the facility.

2.0 INFLUENT FLOW

Table 2.1 Summarizes total flow and average daily flow to the facility from each municipality.

Attachment B for details of daily flow rates.

Table 2.1
Plant Flows

Municipality	Plant Influent	Kankakee	Bourbonnais	Bradley	Aroma Park
Total Flow (MGD)	582.54	372.54	139.406	68.579	2.021
Daily Average Flow (MGD)	19.42	12.42	4.647	2.286	0.067

3.0 EFFLUENT QUALITY

Table 3.1 Summarizes the effluent quality data.

Table 3.1
Effluent Quality

	IEPA Limits	Effluent Average
Biochemical Oxygen Demand (BOD) – Monthly Average	20 mg/l	5 mg/l
Total Suspended Solids (TSS) - Monthly Average	25 mg/l	18 mg/l
PH	6-9 SU	7.22 SU
Chlorine Residual	0.05 mg/l	n/a
Fecal Coliform	400/100 ml	n/a

ODOR ISSUES:

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

4.0 PERSONNEL

The Agency would like to Congratulate James (Jim) Churney, O&M Specialist, for 9 years as a KRMA employee. Thank you all for being such a valuable and loyal member of our team. Your knowledge, hard work and dedication is greatly appreciated.

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

Employees continue to follow the COVID-19 Warning signs and Safety Tips. One of the best ways to help keep workers healthy is to stay home **except** for necessary outings, and when you do go out for the necessities, there are steps you can take to minimize the risk of spreading illness.

5.0 MAINTENANCE AND REPAIR

Number of Work Orders Closed for the Month:	1054
Hours of Scheduled Work Orders Performed:	566.7

6.0 SLUDGE HANDLING

Start Date: 04/01/2022
End Date: 04/30/2022

Gallons of sludge produced and sent to thickening:	2,631,201.00
Gallons of sludge put into storage after thickening:	1,117,800.00
Sludge removed from the plant for land application:	3,719,400.00
Sludge remaining in storage as of November 30th:	1,270,000.00

7.0 WATER USAGE

APRIL 2022 (29 DAYS): 46,481 CU FT= 347,700 GALS. = \$2,938.89

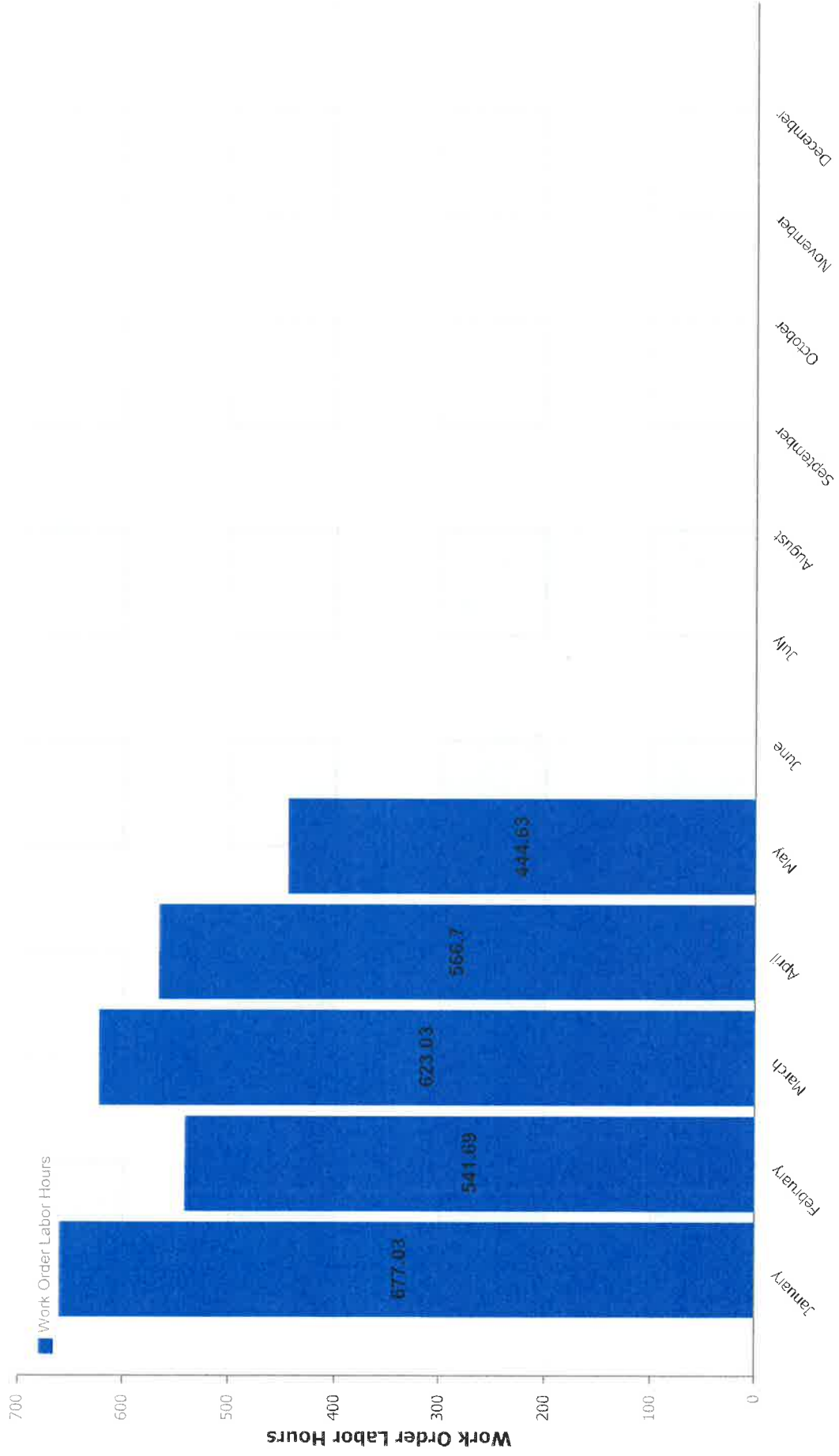
NUMBER OF DAYS IN THE BILLING CYCLE: 29



Work Order Labor Hours by Month

2022

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

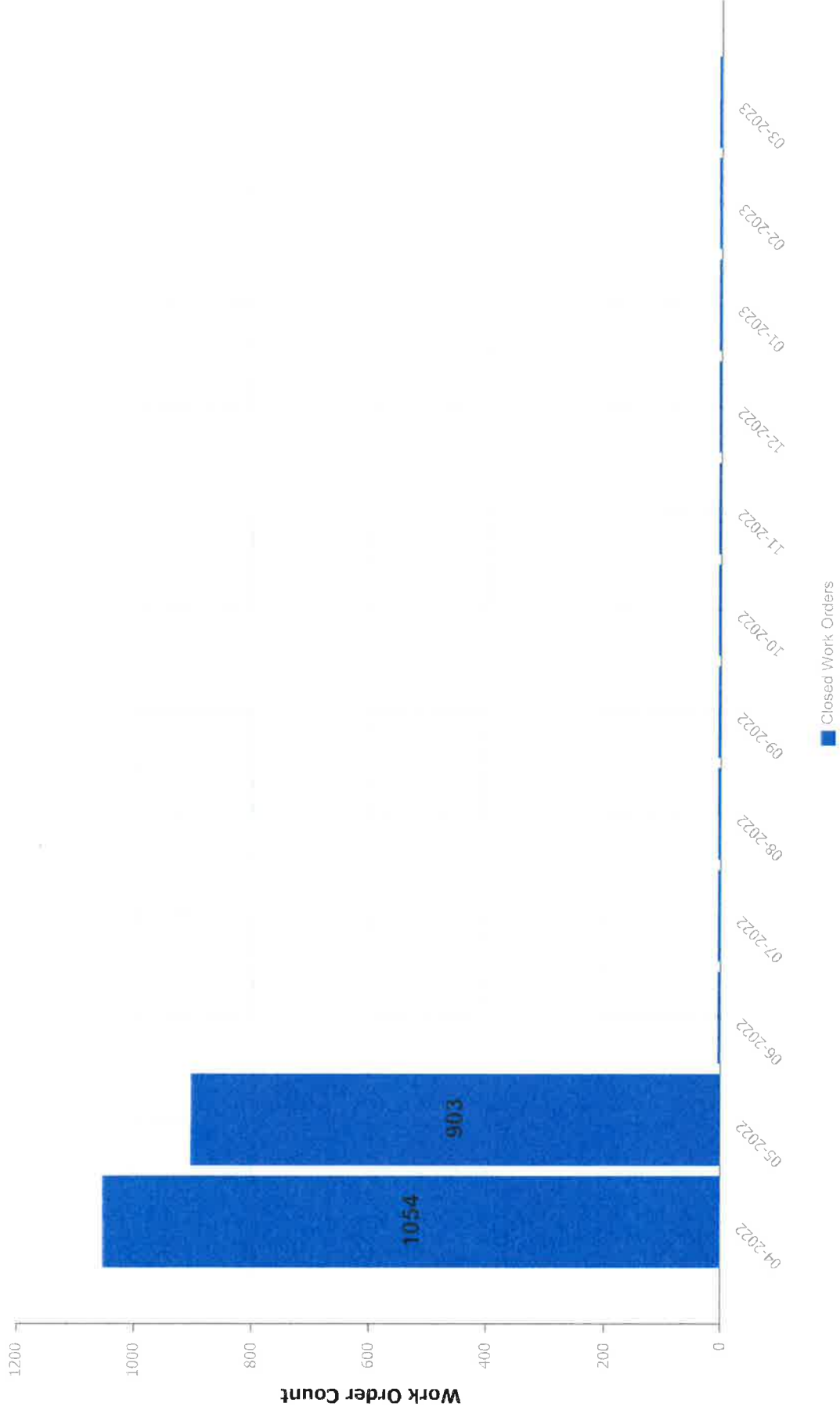




Work Orders Closed By Month

From April, 2022 to March, 2023

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



ATTACHMENT

A

DMR Monthly Report

4/1/2022 to 4/30/2022

Var #	452	159	119	236	454	351	113	237	386
	EFF FLOW	001 Eff pH	FINAL EFF TSS	Weekly ave Eff TSS	EFF TSS	WeeklyAveEffTSS	EFF-C-BOD	Weekly Ave EffCBOD	EFF C-BOD
Date	MGD	STD UNIT	mg/L	MG/L	LBS/D	LBS/Day	mg/l	MG/L	lbs/day
4/1/2022	41.028	7.03	7		2,395				
4/2/2022	31.142		17	92	4,415	20,432	7	8	1,818
4/3/2022	27.227		13		2,952		5		1,135
4/4/2022	23.200	7.14	16		3,096		6		1,161
4/5/2022	22.329	7.07	21		3,911		7		1,304
4/6/2022	26.938	7.25	24		5,392		7		1,573
4/7/2022	27.288	7.14	16		3,641		6		1,365
4/8/2022	24.166	7.11	17		3,426				
4/9/2022	22.228		11	17	2,039	3,494	2	6	371
4/10/2022	20.655		9		1,550		2		345
4/11/2022	19.219	7.59	25		4,007		6		962
4/12/2022	18.344	7.32	31		4,743		6		918
4/13/2022	17.697	7.27	30		4,428		6		886
4/14/2022	17.893	7.28	25		3,731				
4/15/2022	17.166		8		1,145				
4/16/2022	16.175		10	20	1,349	2,993	3	5	405
4/17/2022	15.428		11		1,415		3		386
4/18/2022	15.508	7.39	13		1,681		2		259
4/19/2022	15.728	7.15	35		4,591		5		656
4/20/2022	15.153	7.16	25		3,159		3		379
4/21/2022	15.778	7.11	24		3,158		4		526
4/22/2022	16.002	7.24	20		2,669				
4/23/2022	14.798		12	20	1,481	2,594	4	4	494
4/24/2022	15.029		12		1,504		4		501
4/25/2022	15.257	7.23	14		1,781		6		763
4/26/2022	15.023	7.07	18		2,255		7		877
4/27/2022	14.288	7.18	18		2,145		6		715
4/28/2022	13.990	7.23	20		2,334		7		817
4/29/2022	13.685	7.34	27		3,082				
4/30/2022	14.181		14	18	1,656	2,108	3	6	355

Minimum	13.685	7.03	7	17	1,145	2,108	2	4	259
Maximum	41.028	7.59	35	92	5,392	20,432	7	8	1,818
Average	19.418	7.22	18	33	2,838	6,324	5	6	790
Sum	582.543	144.30	543	166	85,133	31,621	117	27	18,969

Limit		Range 6-9	25	45	9383	16889	20	40	4,170
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DMR Monthly Report

4/1/2022 to 4/30/2022

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	%
4/1/2022				41.03			57	19,504	
4/2/2022	1,638			31.14	168	43,634	211	54,802	96
4/3/2022				27.23	127	28,838	155	35,196	96
4/4/2022				23.20	183	35,408	173	33,473	97
4/5/2022				22.33	189	35,196	148	27,561	96
4/6/2022				26.94	154	34,598	130	29,206	95
4/7/2022				27.29	174	39,599	168	38,234	97
4/8/2022				24.17			169	34,061	
4/9/2022	1,151			22.23	119	22,060	111	20,577	98
4/10/2022				20.66	70	12,058	128	22,050	97
4/11/2022				19.22	173	27,730	95	15,227	97
4/12/2022				18.34	194	29,680	131	20,042	97
4/13/2022				17.70	225	33,208	117	17,268	97
4/14/2022				17.89			68	10,147	
4/15/2022				17.17			80	11,453	
4/16/2022	703			16.18	198	26,710	194	26,171	98
4/17/2022				15.43	152	19,558	156	20,072	98
4/18/2022				15.51	99	12,804	75	9,700	98
4/19/2022				15.73	146	19,151	136	17,839	97
4/20/2022				15.15	127	16,050	114	14,407	98
4/21/2022				15.78	209	27,502	251	33,029	98
4/22/2022				16.00			304	40,571	
4/23/2022	450			14.80	241	29,743	203	25,053	98
4/24/2022				15.03	200	25,068	250	31,335	98
4/25/2022				15.26	198	25,194	98	12,470	97
4/26/2022				15.02	247	30,947	84	10,525	97
4/27/2022				14.29	267	31,816	190	22,641	98
4/28/2022				13.99	269	31,386	120	14,001	97
4/29/2022				13.69			140	15,979	
4/30/2022	671			14.18	181	21,407	217	25,664	98

Minimum	450			13.69	70	12,058	57	9,700	95
Maximum	1,638			41.03	269	43,634	304	54,802	98
Average	923			19.42	180	27,473	149	23,609	97
Sum	4,613			582.54	4,310	659,347	4,473	708,259	2,334

Limit	8,340	0.05	400						
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DMR Monthly Report

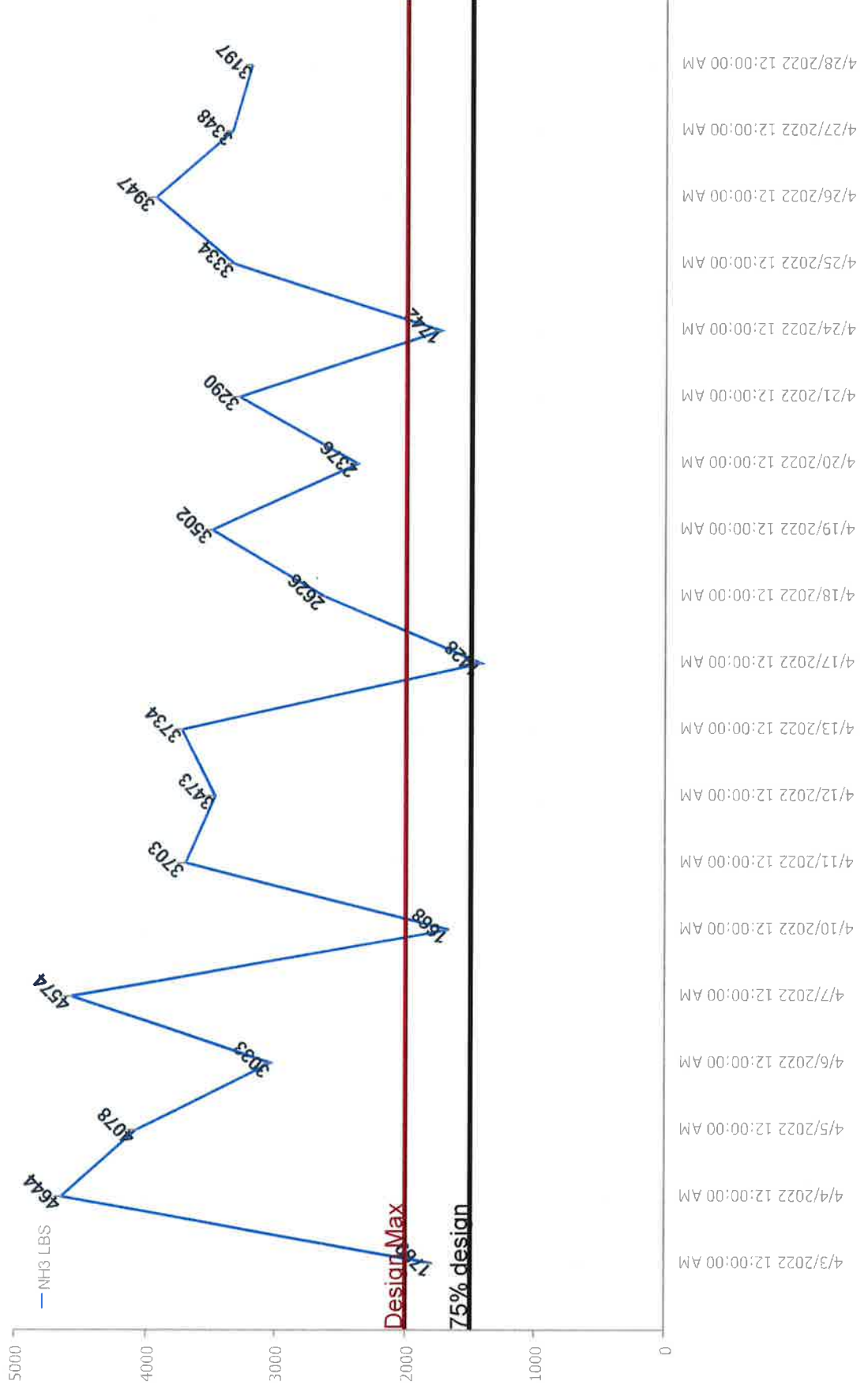
4/1/2022 to 4/30/2022

Var #	456	1040	1041	1042	1043	255	297	953	1023
	TSS REMOVAL	North Effluent DO - SCADA	South Effluent DO - SCADA	Daily Average Effluent DO	Effluent DO weekly average	FINAL EFF NH3N	Eff Nitrogen #	Eff Total Phosphoru s- TP(TNT)	Effluent Total Nitrogen
Date	%	mg/l	mg/l	mg/l	mg/l	mg/L	#/day	mg/l	mg/l
4/1/2022	88	6.14	6.90	6.52					
4/2/2022	92	4.90	6.91	5.91	7.19				
4/3/2022	92	7.24	7.87	7.56		0.05	11.35	0.17	
4/4/2022	91	7.11	7.68	7.40		7.06	1,366.03	0.19	
4/5/2022	86	7.09	7.79	7.44		7.69	1,432.06	0.27	
4/6/2022	82	8.01	7.75	7.88		5.60	1,258.11	0.31	14.12
4/7/2022	90	8.35	8.05	8.20		3.41	776.05	0.24	
4/8/2022	90	8.41	8.10	8.26					
4/9/2022	90	8.57	8.23	8.40	7.88				
4/10/2022	93	8.73	8.40	8.57		0.05	8.61	0.06	
4/11/2022	74	8.26	8.20	8.23		3.21	514.52	0.12	
4/12/2022	76	7.73	7.80	7.77		4.45	680.80	0.18	19.30
4/13/2022	74	7.96	8.02	7.99		4.50	664.17	0.19	
4/14/2022	63	8.22	8.32	8.27					
4/15/2022	90	8.28	8.43	8.36					
4/16/2022	95	8.43	8.56	8.50	8.24				
4/17/2022	93	8.62	8.70	8.66		0.05	6.43	0.15	
4/18/2022	83	8.54	8.61	8.58		0.05	6.47	0.18	
4/19/2022	74	8.46	8.54	8.50		6.24	818.51	0.51	
4/20/2022	78	8.26	8.38	8.32		1.17	147.86	0.39	
4/21/2022	90	8.07	8.18	8.13		3.56	468.46	0.33	18.30
4/22/2022	93	8.13	8.24	8.19					
4/23/2022	94	7.99	8.12	8.06	8.35				
4/24/2022	95	8.18	8.17	8.18		0.59	73.83	0.21	
4/25/2022	86	8.54	8.25	8.40		6.26	796.54	0.22	
4/26/2022	79	8.17	8.17	8.17		5.61	702.89	0.32	
4/27/2022	91	8.01	8.18	8.10		0.18	21.57	0.31	12.18
4/28/2022	83	7.99	8.14	8.07		0.52	60.56	0.30	
4/29/2022	81	7.84	8.04	7.94					
4/30/2022	94	7.60	7.79	7.70	8.08				

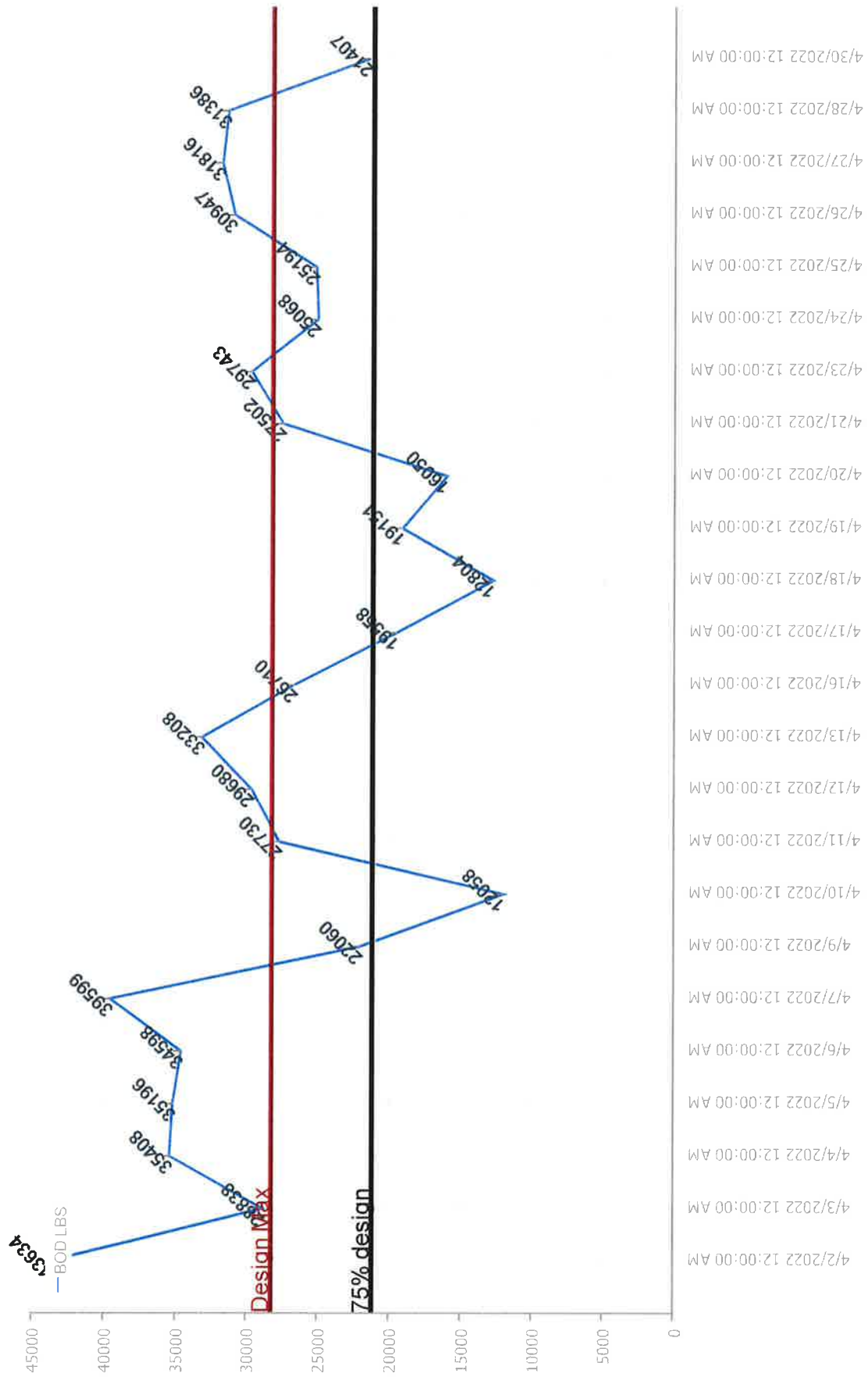
Minimum	63	4.90	6.90	5.91	7.19	0.05	6.43	0.06	12.18
Maximum	95	8.73	8.70	8.66	8.35	7.69	1,432.06	0.51	19.30
Average		7.93	8.08	8.01	7.94	3.17	516.57	0.24	15.98
Sum	2,579	237.83	242.52	240.18	39.72	60.25	9,814.82	4.66	63.90

Limit				min >5.0	>6.25	7.9	1647		
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KRMA influent NH3 pounds
Average Lbs. NH3: 3,130.84



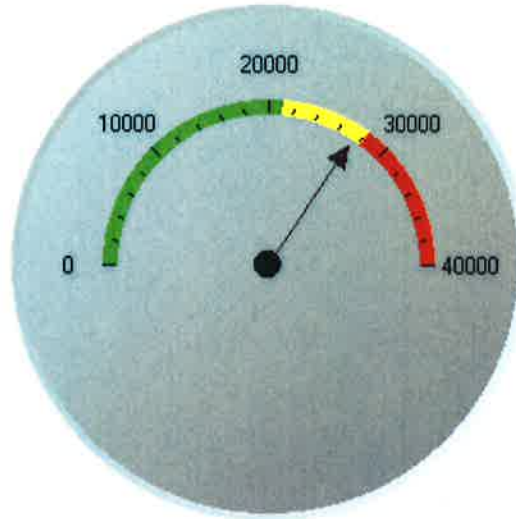
KRMA influent BOD pounds
Average Lbs. BOD: 27,472.71



Influent BOD loading Lbs - Monthly AVG

27,473 Lbs./Day

04/01/2022 - 04/30/2022

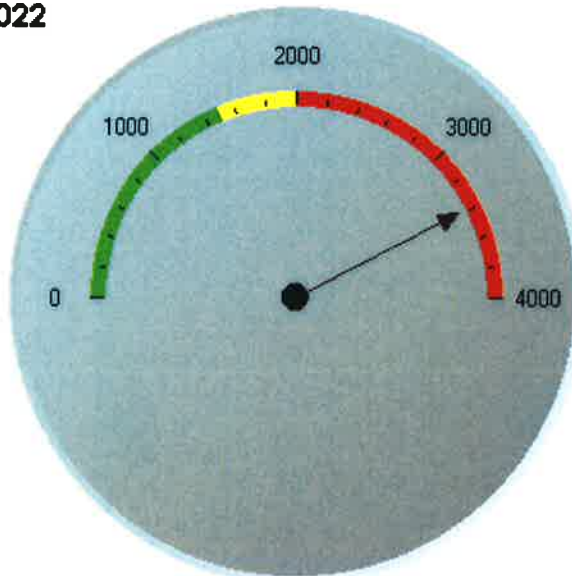


0 to 21150 - Target Loading
21150 to 28200 - Above 75% Threshold
Above 28200

Influent NH3 loading Lbs - Monthly AVG

3,385 Lbs./Day

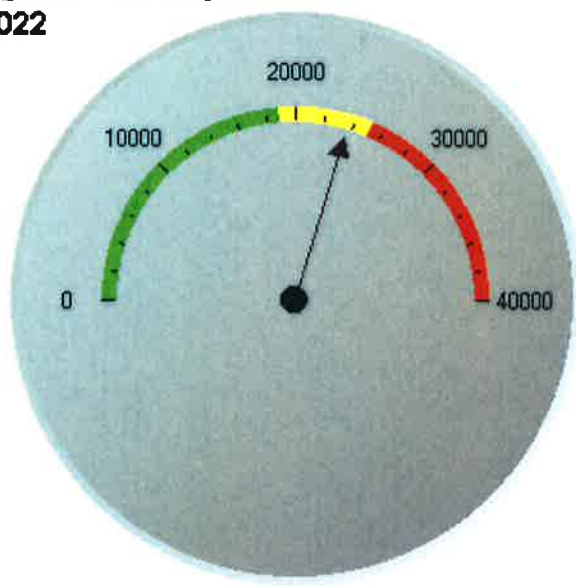
04/01/2022 - 04/30/2022



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

Influent TSS loading Lbs - Monthly AVG
04/01/2022 - 04/30/2022

23,609 Lbs./Day



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

ATTACHMENT

B

ATTACHMENT

C



SAFETY MEETING
May 10, 2022
9:30am & 1:30pm
Agenda

I. Safety Minutes

Review minutes from April 2022.

II. Old Business

There was one lost time accident in the month of April 2022.

III. New Business

A. Safety Training

- 1) Lock-out/Tag-out (IPRF #2527/CEU#12973 = 1hr)
- 2) Accident Investigation
- 3) Severe Weather Safety

B. Safety Concerns

C. Safety Team Leader Report

D. Open Discussion

Next Meeting: Thursday, June 9, 2022 9:30am & 1:30pm



SAFETY MEETING

April 22, 2022

10am

Minutes

In attendance:

Melanie Gossett, Facilitator

Shaun Ownbey Jack Renchen Dan Combs Shawn Malone

Nick Scheppler Ron Haney Josh Peters Mike Gowler

Max Gossett Mike Arseneau Nick Tucker Alex Bowser

RJ Tyson

Alexander Chemical Representatives: Keith Bonner and Matt Gill

Absent:

Jim Churney, Bryan Kennedy, Andy Summers, John Lund, Brian Power

I. Safety Minutes

Reviewed minutes from March 8, 2022 – Approved

II. Old Business

There were no lost time accidents reported for the month of March 2022.

III. New Business

A. Safety Training

Alexander Chemical representatives were onsite to conduct required Chlorine & Sulfur Dioxide Safety Training.

B. Safety Concerns

1. There is only 1 replacement wind sock available.

✓ 4 more have been ordered

2. No other concerns mentioned.

ATTACHMENT

D

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: Kankakee Influent

FLOW METER MODEL: Isco Laser Flow

INFLUENT May11, 2022

PRIMARY DEVICE: 72" PIPE

FLOW: 0-115 MGD

MEASURING DEVICE:

CHECK POINTS:

LEVEL? YES

FREE FLOWING? Yes

TURBULENCE? NO

BLOCKAGE? NO

SURFACE BUILD-UP? Foam

HEAD MEASURING DEVICE MOUNTED PROPERLY? YES

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? YES

CALIBRATION:

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

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

LEVEL BEFORE:

LEVEL AFTER:

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

LEVEL BEFORE: Target level 48.00" As found 48.20"

LEVEL AFTER: 48.20"

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: 5/11/2022

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 May 11th, 2022

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 16.0" As found 15.878"

LEVEL AFTER: 15.878" No adjustments made due to ISCO recommendations

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: 5/11/2022

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

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: BRADLEY/ RIVER DRIVE

FLOW METER MODEL: Isco Signature

INFLUENT May 5th, 2022

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 14.0" Level reading 13.965"

LEVEL AFTER: 13.993"

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: 5/5/2022

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 May 5th, 2022

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 Reset Scan rate to 3

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 40 MGD AS Found 40.14 MGD

LEVEL AFTER: 40.03 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: 5/5/2022

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 May 5th, 2022

PRIMARY DEVICE: PHARSHAL

FLOW: 0-516 GPM 0-13.20 IN

MEASURING DEVICE: ULTRASONIC

CHECK POINTS:

LEVEL? YES

FREE FLOWING? Yes

TURBULENCE? NO

BLOCKAGE? No

SURFACE BUILD-UP? No

HEAD MEASURING DEVICE MOUNTED PROPERLY? Yes

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? Yes

CALIBRATION:

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

- A) IF POSSIBLE, CUT-OFF FLOW & SET LEVEL TO 0.000FT
LEVEL BEFORE:
LEVEL AFTER:
- B) IF FLOW CANNOT BE CUT-OFF, ADJUST LEVEL ON METER TO MEASURED POINT
- C) LEVEL BEFORE: TARGET SET 24.125 Level 24.128"
LEVEL AFTER: 24.128"

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: 5/5/22

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 May 5th, 2022

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 40.0 MGD AS Found 40.01MGD

LEVEL AFTER: 40.01 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: 5/5/2022

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 May 5th, 2022

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? NONE

HEAD MEASURING DEVICE MOUNTED PROPERLY?

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? Yes

CALIBRATION:

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

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

LEVEL BEFORE:

LEVEL AFTER:

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

LEVEL BEFORE: Target 24.125" Level 24.139"

LEVEL AFTER: 24.125"

LEVEL FLOW CONVERSION CHECK:

WITH FLOW THRU PRIMARY DEVICE, CHECK LEVEL TO FLOW CONVERSION WITH HANDBOOK OR PRIMARY DEVICE DATA SHEET: Yes

TOTALIZER CHECK:

WITH FLOW GOING THRU PRIMARY DEVICE, VERIFY THAT TOTAL FLOW IS INTEGRATING PROPERLY USING TIMED RATE METHOD: Yes

CALIBRATED BY: Brian Scheppler

DATE 5/5/2022

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

ATTACHMENT

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April 2022 Monthly Pretreatment Sample Analysis (metals, cyanide & VOA) for the permitted industries were a total of **97 samples** and a total of **542 analyses**.

Gilster-Mary Lee Corporation	6 Samples
Hoffman Transportation, LLC	2 Samples
Kankakee Recycling & Disposal Facility	2 Samples
Liberty Landfill, LLC	10 Samples
Livingston Landfill	4 Samples
Momence Packing	3 Samples
Natural Gas & Pipeline Co. of America	4 Samples
Newton County Landfill	13 Samples
Prairie View RDF	9 Samples
Tank Cleaning Solutions, LLC	39 Samples
Verdant Specialty Solutions US LLC	4 Samples
Zutat Feed Solutions	1 Sample

Volumes Received for April 2022 for trucked-in industries.

Gilster-Mary Lee Corporation	42,000 gals	7 loads
Hoffman Transportation, LLC	40,000 gals	8 loads
Kankakee Recycling & Disposal Facility	14,000 gals	2 loads
Liberty Landfill, LLC	1,303,356 gals	196 loads
Livingston Landfill	158,234 gals	24 loads
Momence Packing	60,300 gals	10 loads
Natural Gas & Pipeline Co. of America	75,000 gals	15 loads
Newton County Landfill	995,618 gals	145 loads
Prairie View RDF	304,706 gals	55 loads
Tank Cleaning Solutions, LLC	198,904 gals	39 loads
Verdant Specialty Solutions US LLC	77,697 gals	14 loads
Zutat Feed Solutions	30,000 gals	5 loads
Totals:	3,299,815 gals	520 loads

The KRMA Facility received a total of **163 loads** of septage which totalled **499,900 gallons** for the month of April 2022

KRMA YEARLY UTILITY USAGE - (2022)

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	926,221	33 \$	48,890 \$	1,482 \$	-	2,268,15	1,169 \$	0.0528	320,300	29	2,632	11,045	91					
FEBRUARY	874,128	30 \$	48,209 \$	1,607 \$	-	2,14,428	1,214 \$	0.0552	307,600	28	2,558	10,986	91					
MARCH	896,607	30 \$	47,153 \$	1,572 \$	-	241,821	1,245 \$	0.0526	384,800	33	3,173	11,661	96					
APRIL	972,082	30 \$	51,107 \$	1,704 \$	-	241,821	1,350 \$	0.0526	347,700	29	2,939	11,990	101					
MAY	0		#DIV/0!				#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!					
JUNE	0		#DIV/0!				#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!					
JULY	0		#DIV/0!				#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!					
AUGUST	0		#DIV/0!				#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!					
SEPTEMBER	0		#DIV/0!				#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!					
OCTOBER	0		#DIV/0!				#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!					
NOVEMBER	0		#DIV/0!				#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!					
DECEMBER	0		#DIV/0!				#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!					
TOTAL	3,669,038	123 \$	195,357	#DIV/0!	0	924,885	#DIV/0!	#DIV/0!			\$ 11,302	#DIV/0!	#DIV/0!					
Total KWH		Days	Total Cost \$/month	Total Cost \$/day	Hydro KWH	Methane KWH	KWH/HR (Avg)	\$/KWH	Gallons	Days	Period	Gallons/Day	Total Cost \$/day					

KRMA NATURAL GAS USE						
Therms	Days	Total Cost \$/Billing Period	Therms/Day	Total Cost \$/day	Therms	Total Cost \$/day
JANUARY	51,246	31 \$	37,075	1653 \$	1,196	1,196
FEBRUARY	43,653	28 \$	37,415	1559 \$	1,336	1,336
MARCH	35,597	31 \$	4,847	1148 \$	156	156
APRIL	28,698	31 \$	15,158	926 \$	489	489
MAY				#DIV/0!	#DIV/0!	#DIV/0!
JUNE				#DIV/0!	#DIV/0!	#DIV/0!
JULY				#DIV/0!	#DIV/0!	#DIV/0!
AUGUST				#DIV/0!	#DIV/0!	#DIV/0!
SEPTEMBER				#DIV/0!	#DIV/0!	#DIV/0!
OCTOBER				#DIV/0!	#DIV/0!	#DIV/0!
NOVEMBER				#DIV/0!	#DIV/0!	#DIV/0!
DECEMBER				#DIV/0!	#DIV/0!	#DIV/0!
TOTAL	159,194	121 \$	94,495	#DIV/0!	#DIV/0!	#DIV/0!
Therms		Days	Total Cost \$/Billing Period	Therms/Day	Total Cost \$/day	Total Cost \$/day

Annual Load / Gallon Totals

2022



Month Received	Greer-Baby Lee Corporation	Hoffman Transportation, LLC	Kankakee Recycling & Disposal Facility	Lake County C&D Landfill	Laraway Recycling & Disposal Facility	Liberty 3 LGRE Plant - Warsaw Valley Power Alliance	Liberty Landfill, LLC	Mingston Landfill	Monroe Packing	Metro Gas & Petroleum Co. of America	Newton County Landfill	Parish Packing Co.	Prime View RDF	Tank Cleaning Solutions, LLC	Verant Specialty Solutions US LLC	Zumt Feed Solutions	Total	# Loads
January	28,000	15,000					1,208,778	146,664		35,000	1,181,402		115,368	196,412		12,000	2,938,624	458
February	58,000		14,000				1,318,935	158,796	7,000	60,000	896,898		118,370	183,522		12,000	2,627,521	449
March	96,000	65,000			5,683		1,498,168	207,236	53,000	115,000	1,041,338		312,452	198,195	71,715	36,000	3,699,787	599
April	42,000	40,000	14,000				1,303,356	158,234	60,300	75,000	995,618		304,706	198,904	77,697	30,000	3,299,815	520
May																		
June																		
July																		
August																		
September																		
October																		
November																		
December																		
Totals	224,000	120,000	28,000		5,683		5,329,237	670,930	120,300	285,000	4,115,256		850,896	777,033	149,412	90,000	12,765,747	2,028
Average	56,000	30,000	7,000		1,894		1,332,309	167,732	40,100	71,250	1,028,814		212,724	194,258	37,353	22,500	3,191,437	507
Treatment Costs as of 05/01/22	0.082	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.082	0.082	0.08	0.082	0.056	0.082	0.131	0.071		
Treatment Costs as of 05/01/21	0.071	0.049	0.049	0.049	0.049	0	0.049	0.049	0	0.071	0.056	0.071	0.049	0.071	0.114	0.071		



**Monthly TSS/BOD
Loading Report**
April, 2022

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

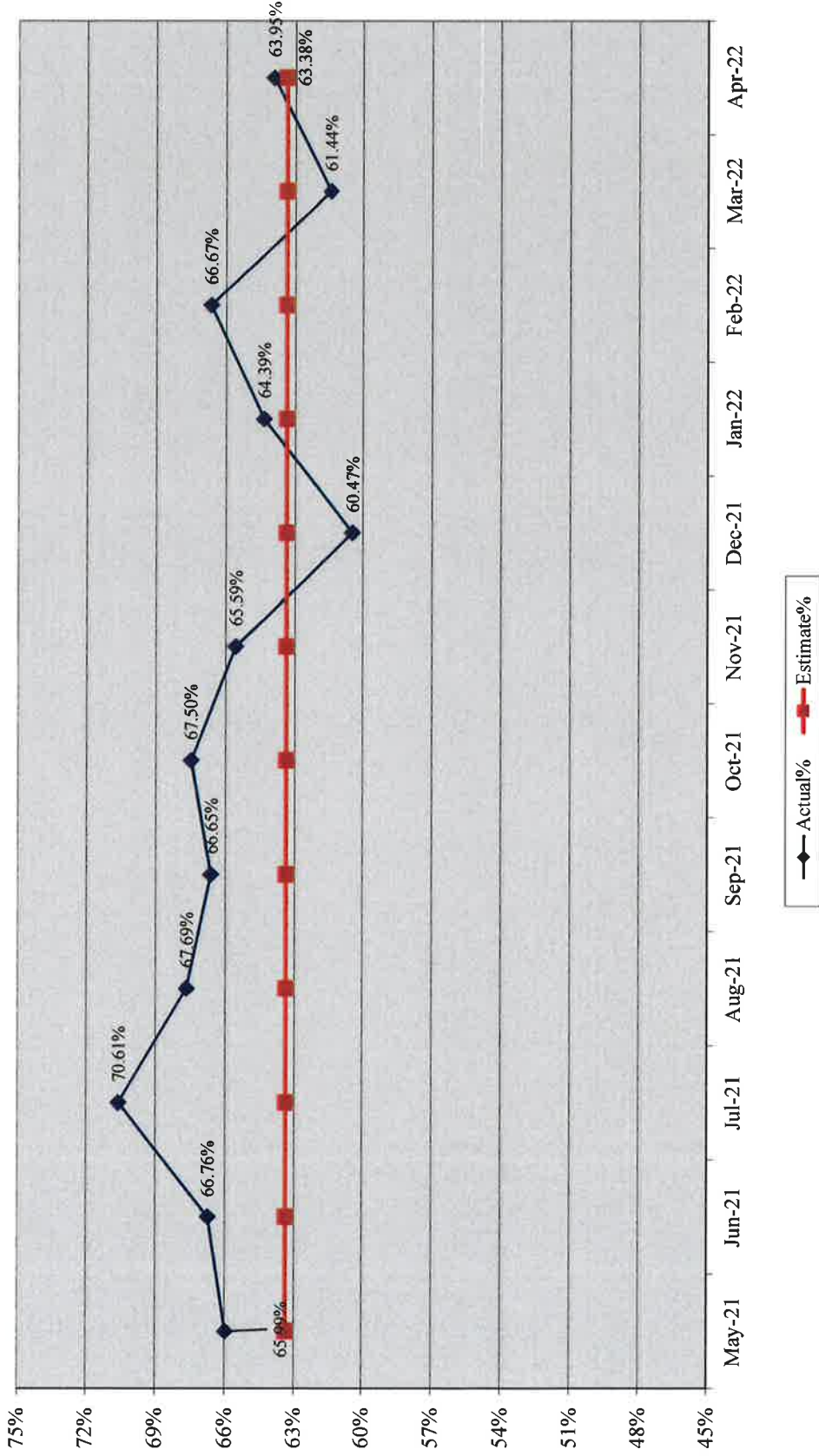
IV-C-2

Hauler	Gallons	Lbs TSS	Lbs BOD
Gilster-Mary Lee Corporation	42,000	452	892
Hoffman Transportation, LLC	40,000	28	1,696
Kankakee Recycling & Disposal Facility	14,000	10	84
Lake County C&D Landfill	0	0	0
Laraway Recycling & Disposal Facility	0	0	0
Liberty 3 LFGTE Plant - Wabash Valley Po	0	0	0
Liberty Landfill, LLC	1,303,356	1,289	17,005
Livingston Landfill	158,234	761	7,314
Momence Packing	60,300	0	0
Natural Gas & Pipeline Co. of America	75,000	15	29
Newton County Landfill	995,618	4,684	150,385
Peoria Packing Co.	0	0	0
Prairie View RDF	304,706	6,594	33,512
Tank Cleaning Solutions, LLC	198,904	315	2,710
Verdant Specialty Solutions US LLC	77,697	1,025	17,857
Zutat Feed Solutions	30,000	2,909	2,215
Totals:	3,299,815	18,081	233,700

Kankakee River Metropolitan Agency

City of Kankakee

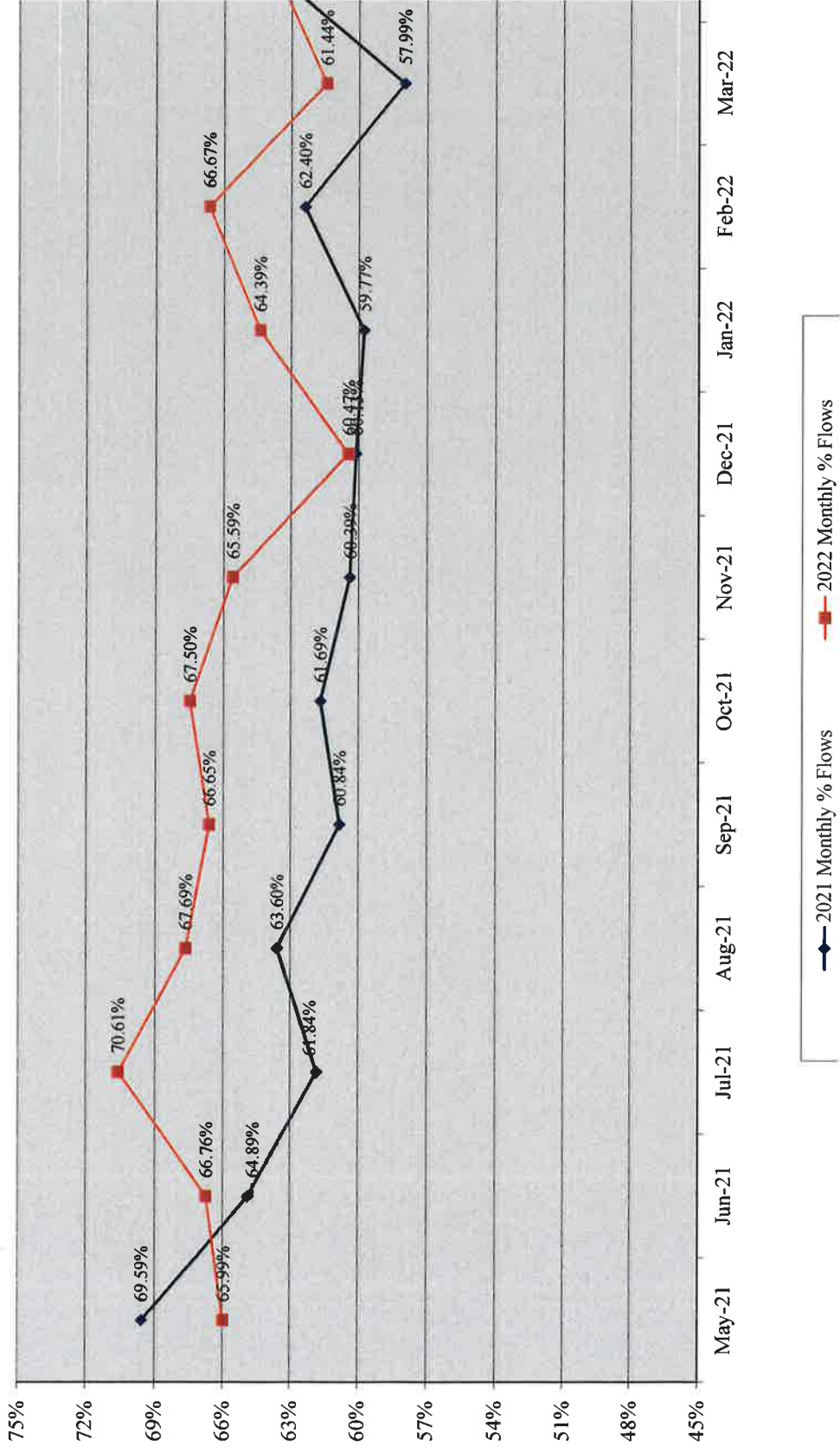
Actual % vs. Estimate FYE 4-30-22



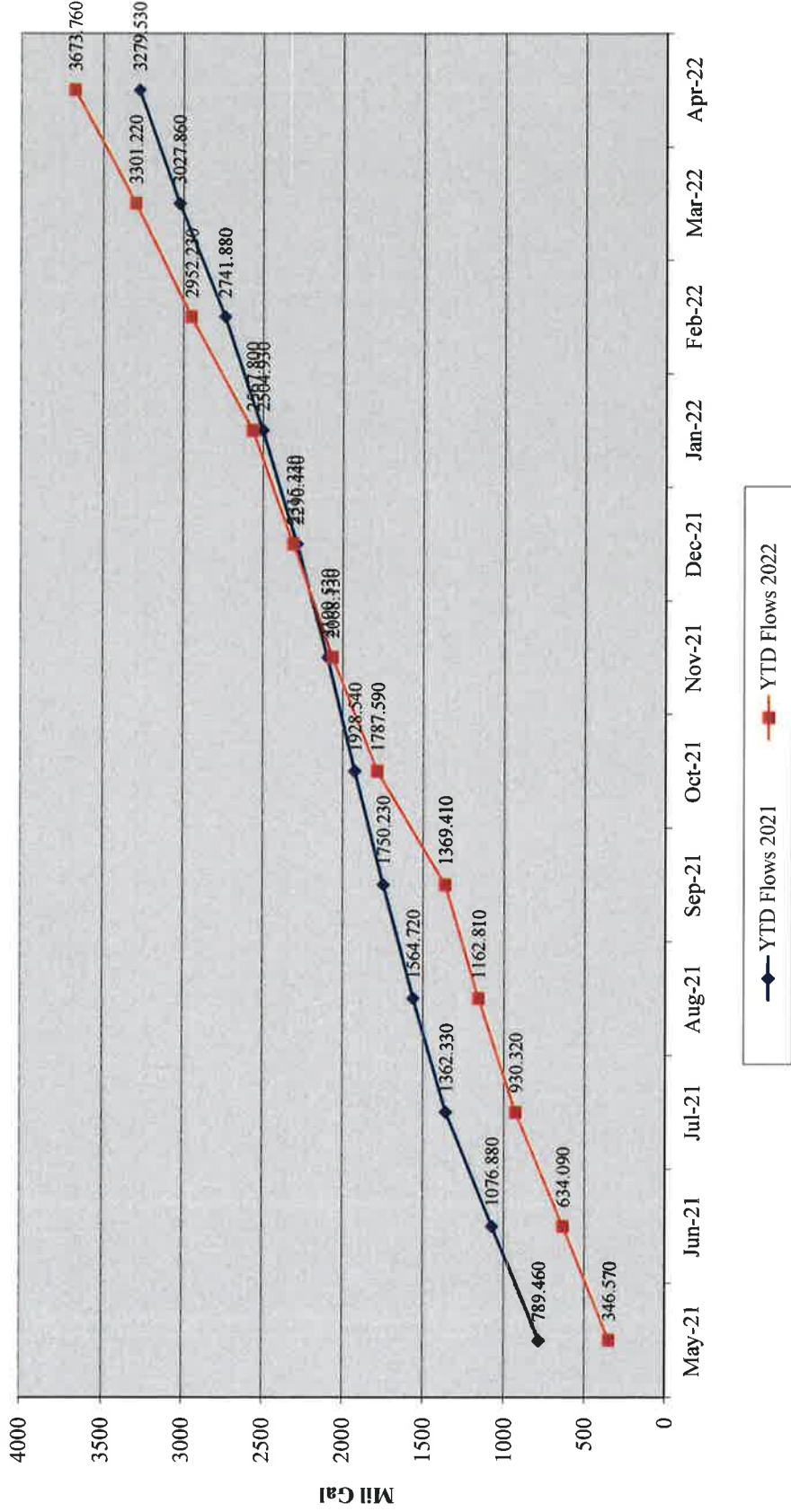
Kankakee River Metropolitan Agency

City of Kankakee

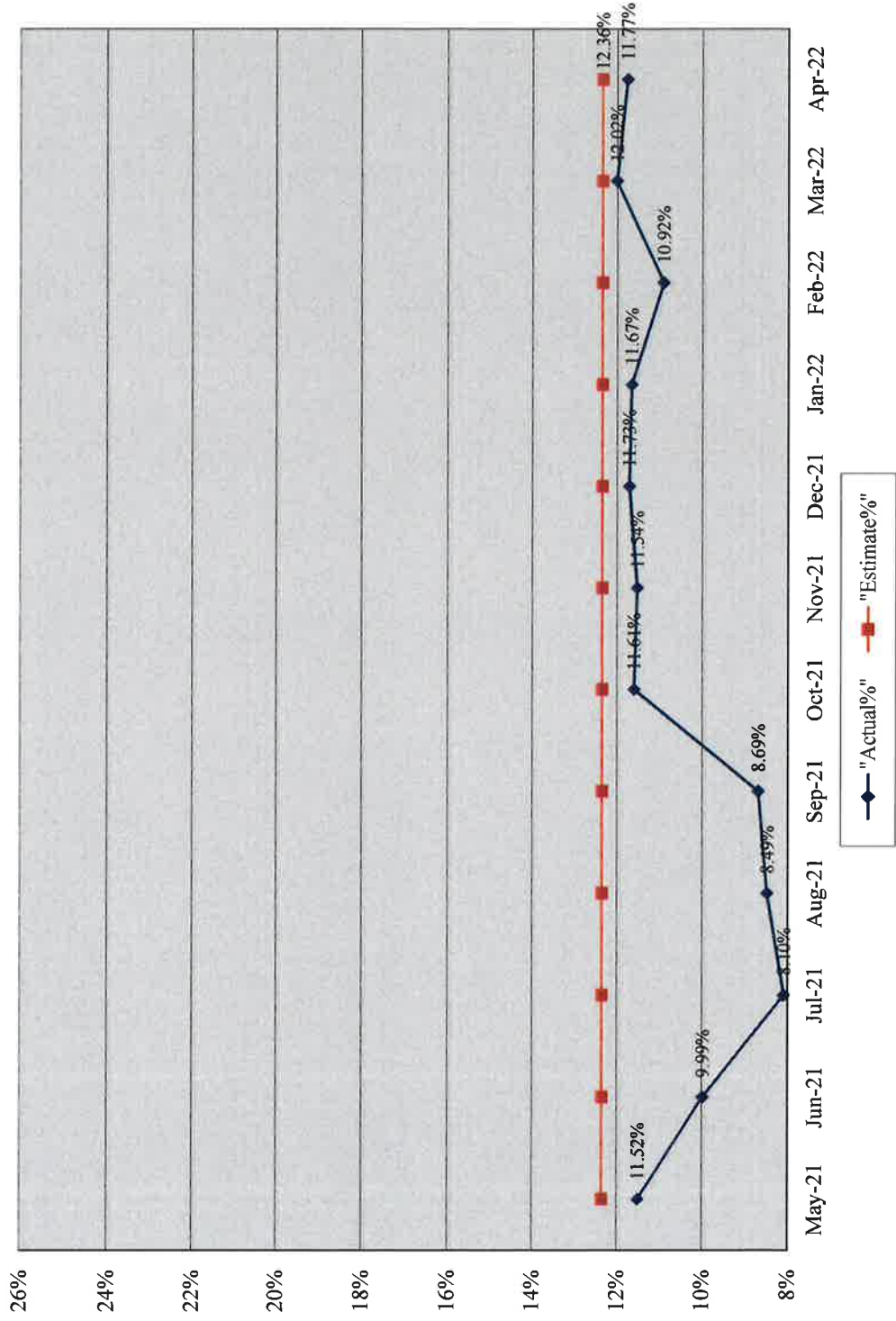
Monthly % Flows - 2021 vs. 2022



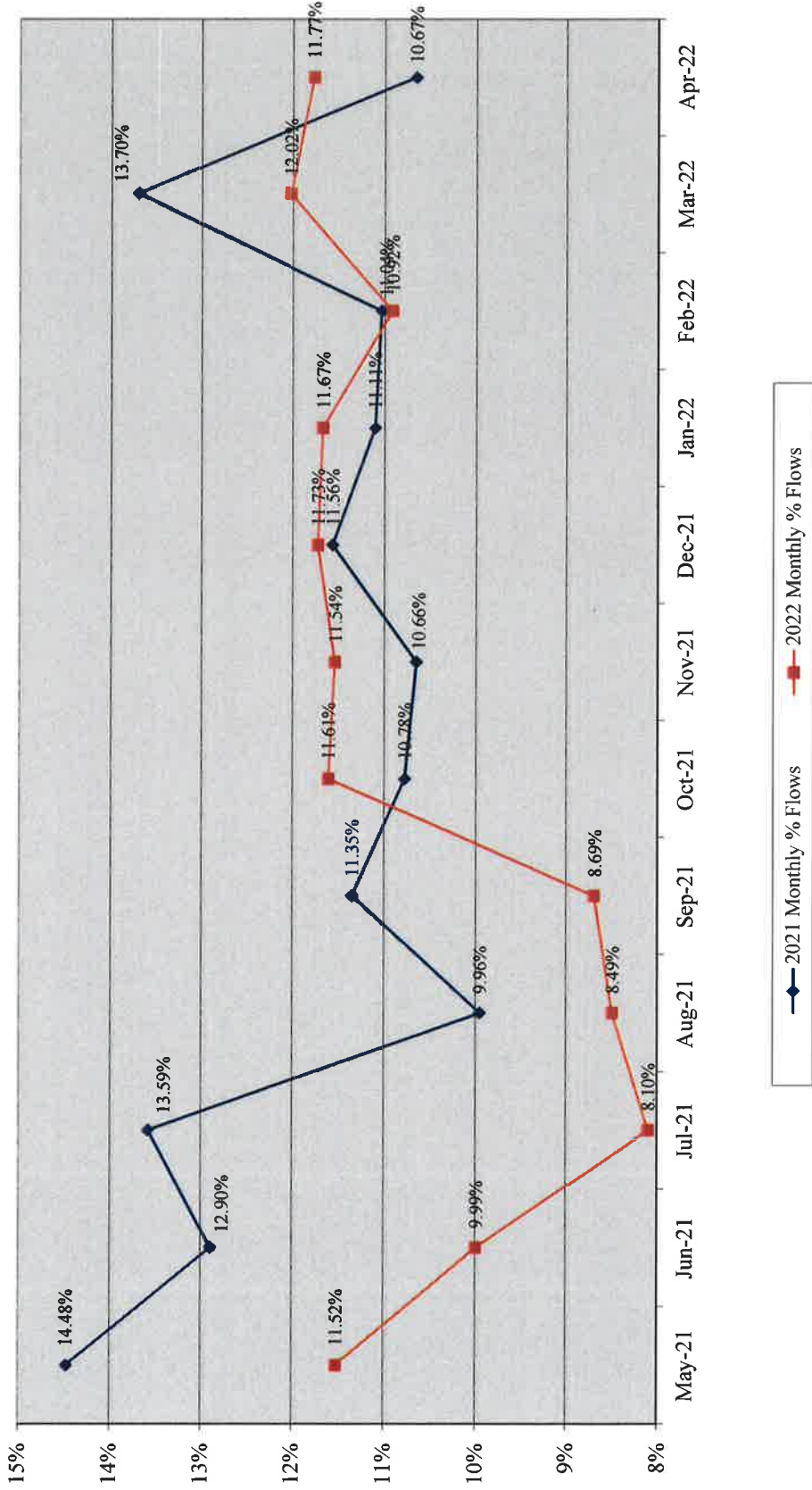
Kankakee River Metropolitan Agency City of Kankakee YTD Flows 2021 vs. 2022



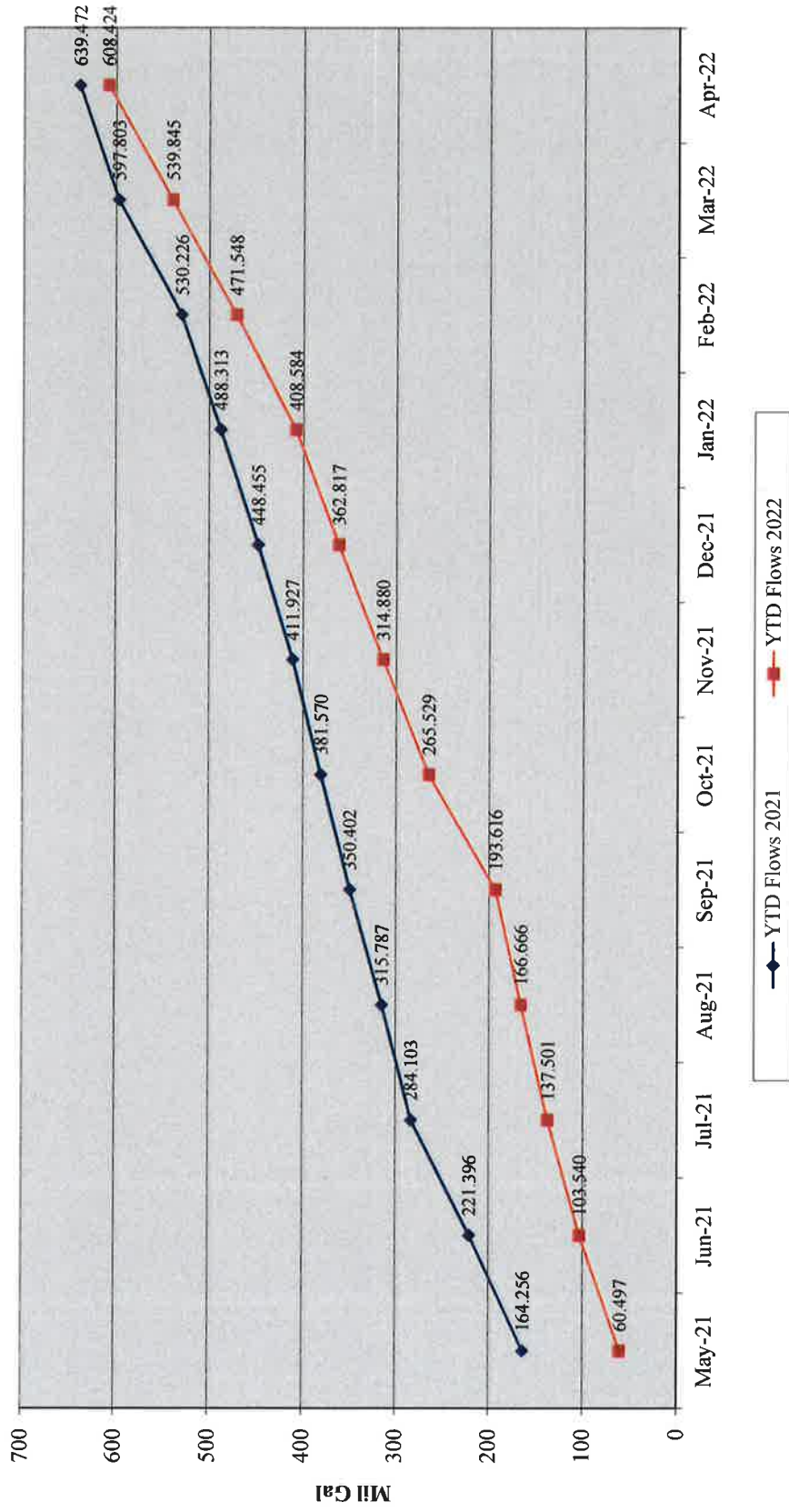
Kankakee River Metropolitan Agency Village of Bradley Actual % vs. Estimate FYE 4-30-22



Kankakee River Metropolitan Agency Village of Bradley Monthly % Flows 2021 vs. 2022



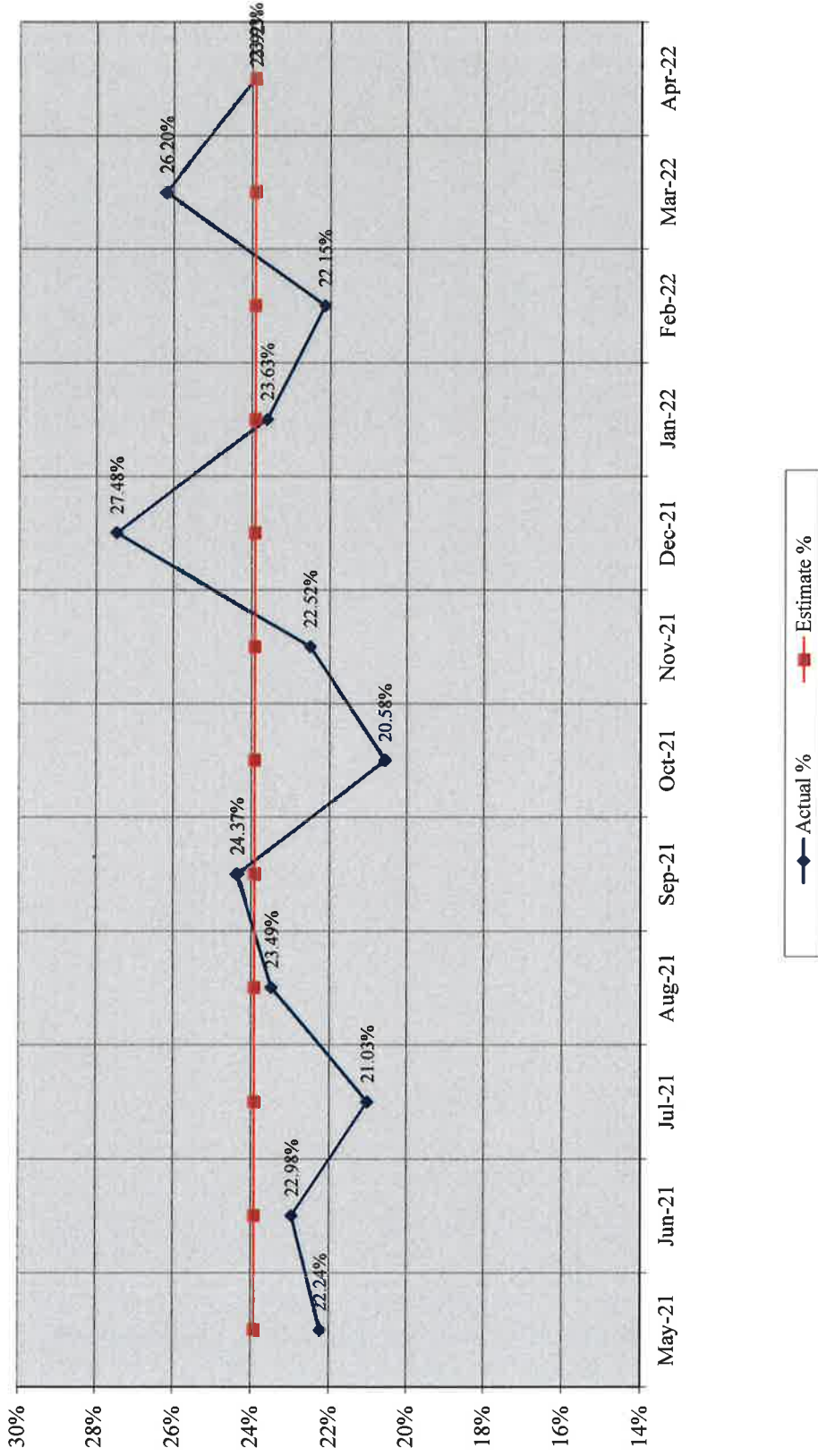
Kankakee River Metropolitan Agency Village of Bradley YTD Flows 2021 vs. 2022



Kankakee River Metropolitan Agency

Village of Bourbonnais

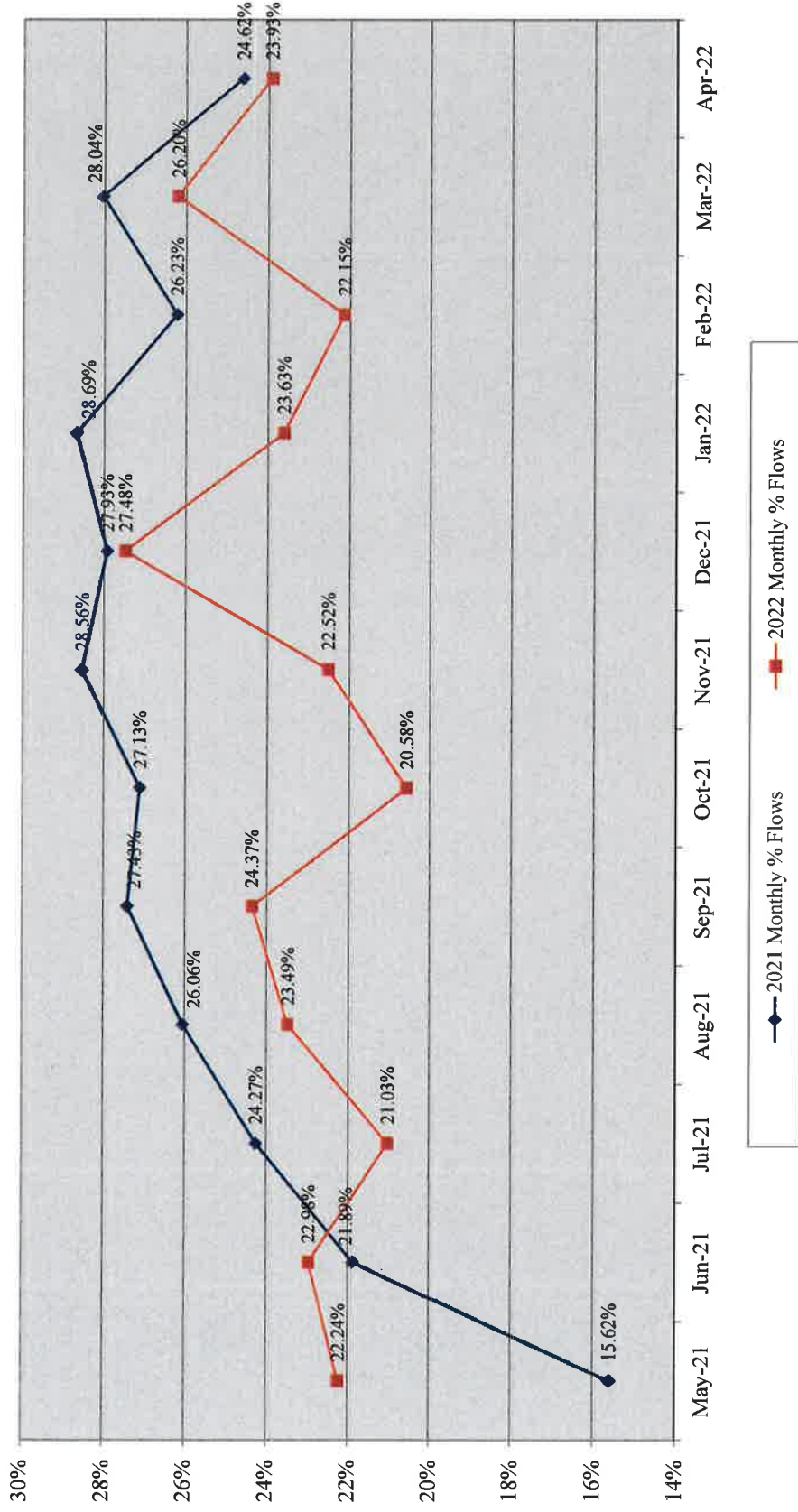
Actual % vs. Estimate FYE 4-30-22



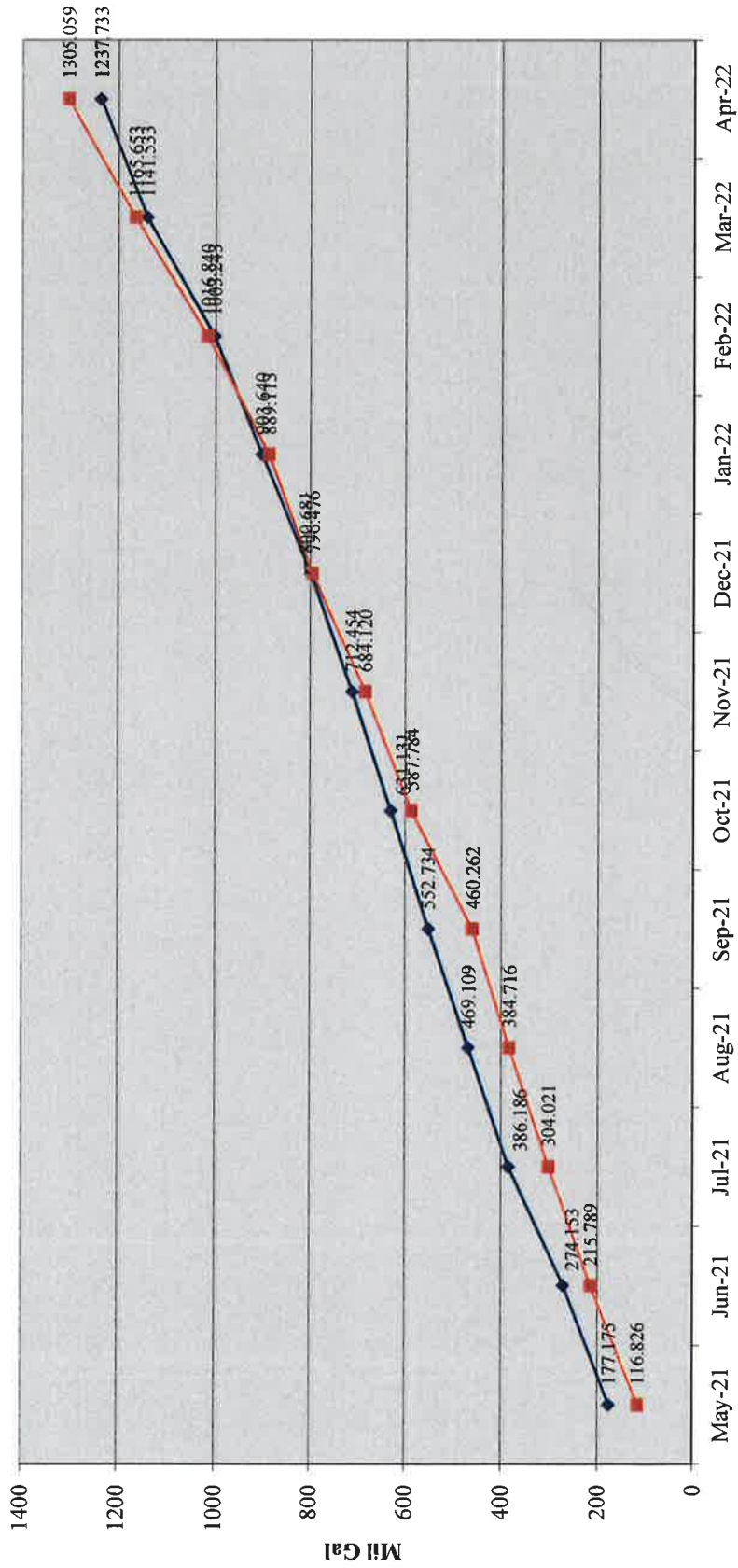
Kankakee River Metropolitan Agency

Village of Bourbonnais

Monthly % Flows - 2021 vs. 2022



Kankakee River Metropolitan Agency Village of Bourbonnais YTD Flows 2021 vs. 2022

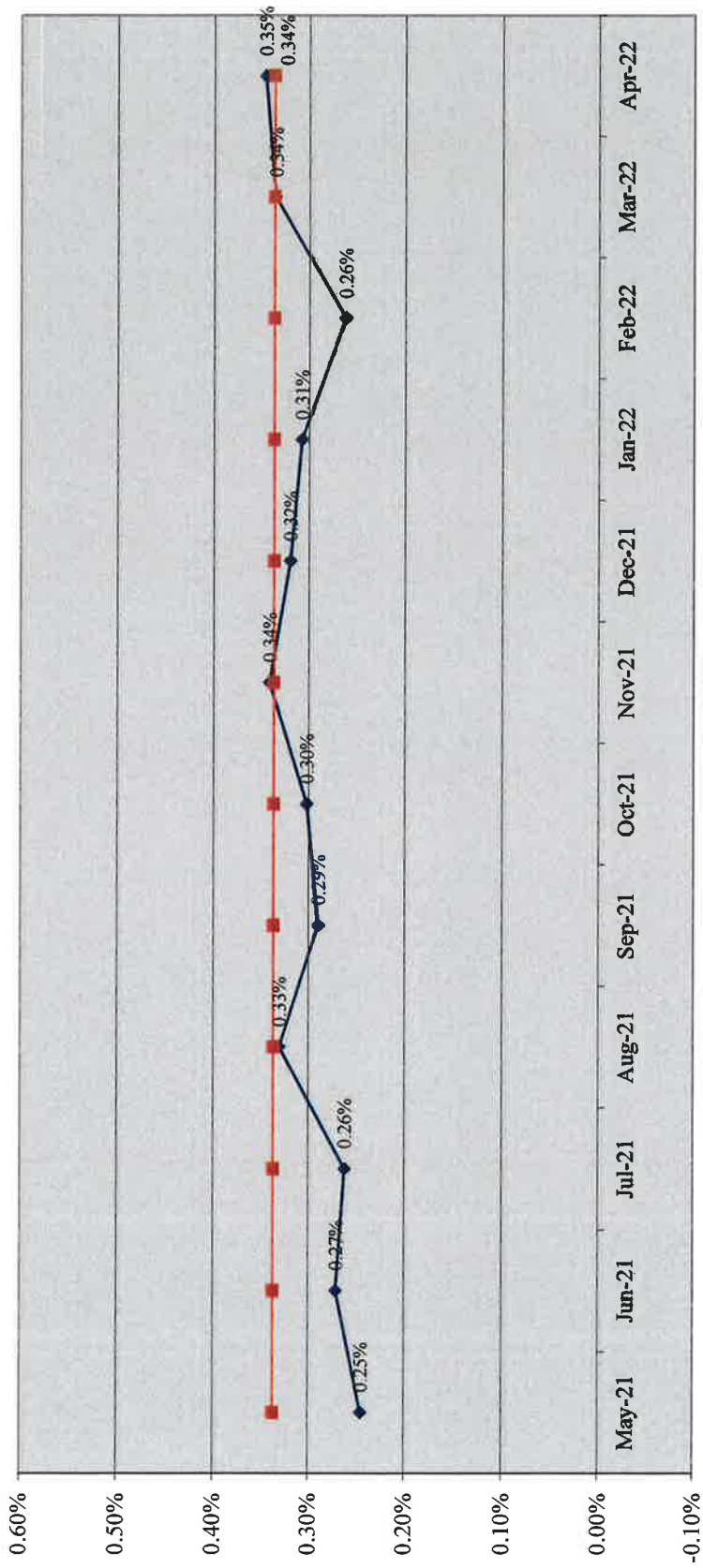


◆ YTD Flows 2021 ■ YTD Flows 2022

Kankakee River Metropolitan Agency

Village of Aroma Park

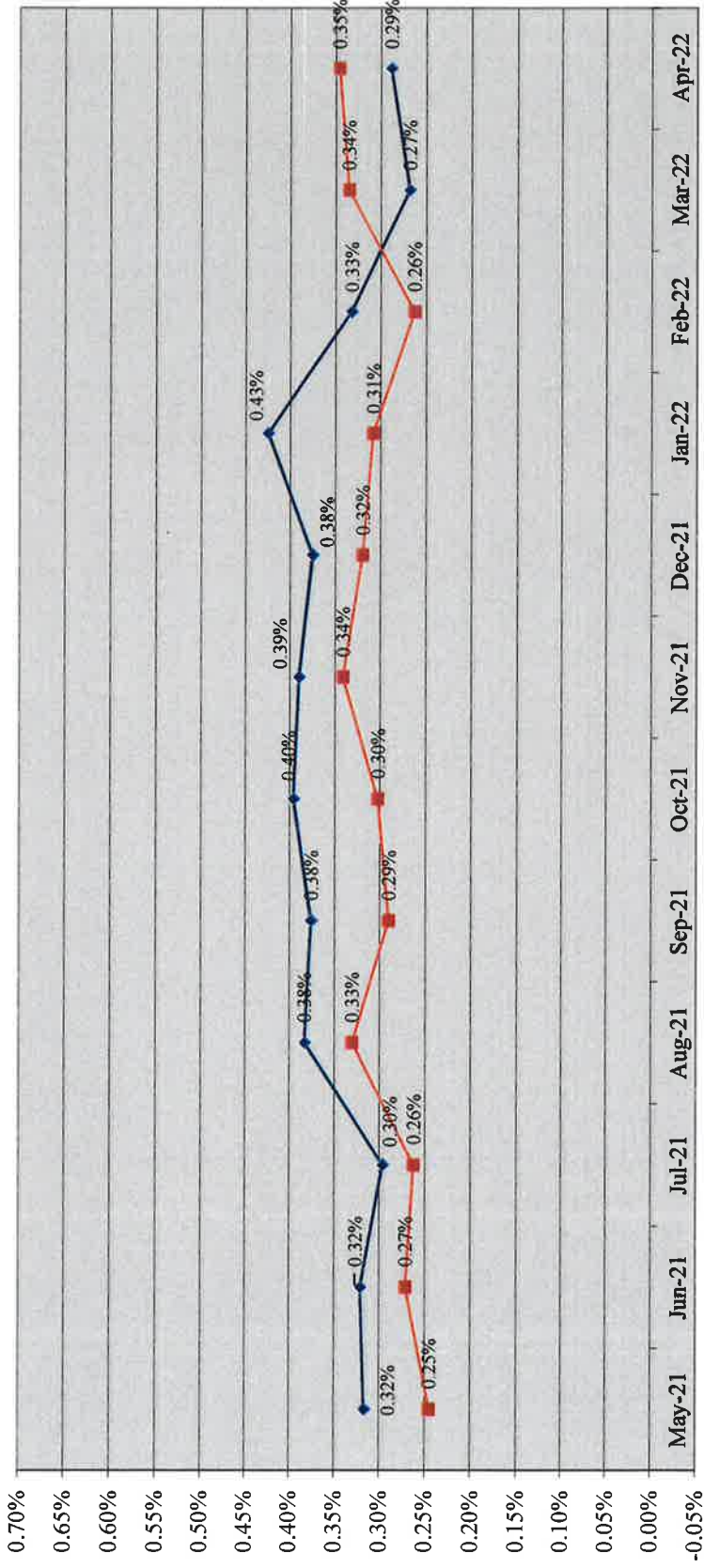
Actual % vs. Estimate FYE 4-30-22



Kankakee River Metropolitan Agency

Village of Aroma Park

Monthly % Flows - 2021 vs. 2022



◆ 2021 Monthly % Flows
 ■ 2022 Monthly % Flows

Kankakee River Metropolitan Agency Village of Aroma Park YTD Flows 2021 vs. 2022

