

AGENDA

KANKAKEE RIVER METROPOLITAN AGENCY MEETING

Thursday, September 23, 2021

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. August 26, 2021 – Regular Board Meeting
- IV. **Reports**
 - A. Operations & Maintenance Report
 1. Monthly Report (MOR)
 - B. Executive Director Report
 1. Water, Gas & Electric Use/Cost
 2. Hauled in Waste Summary
 3. Operations Report
 - C. Financial Report
 1. Reports
 2. Hauled in Waste Report
 3. Flows Graphs
 - D. Communications
- V. **Old Business**
 - A. Blowers Update
 - B. Republic Service Update
 - C. CSL Update
 - D. River Clean Up
 - E. Review of Aqua transaction with Bourbonnais and impact on KRMA bonds
- VI. **New Business**
 - A. Approval of Strand Contract
 - B. Proposal for Pretreatment Program
 - C. Consideration and Approval of Board's Step 3 Grievance Response to IUOE Grievance dated July 23, 2021
 - D. Ratification of Chapman & Cutler Bond Counsel Engagement Letter
 - E. Draft Audit Report
- VII. **Executive Session**
 - A. Personnel & Probable or Imminent Litigation
- VIII. **Next Meeting**

Thursday, October 28, 2021 (9:00 AM in KRMA Boardroom)

KANKAKEE RIVER METROPOLITAN AGENCY
MINUTES
August 26, 2021 – 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
Financial Director Robert Romo, Village of Bradley
Alderman Danita Swanson, City of Kankakee
Alderman Larry Osenga, City of Kankakee
Steven Hunter, Representative, City of Kankakee

Administration:

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

Attorney:

Neal Smith, Robbins Schwartz

KRMA Staff:

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

Other:

Dan Small, Strand Associates
Terry Memenga, Alternate, Village of Bradley

Chairman, Mayor Curtis called the meeting to order

I. **Roll Call**

All board member present except for Dir Brian Stump, Village of Aroma Park and Dir Robert Romo, Village of Bradley. Alternate Terry Memenga, Village of Bradley, sitting in for Dir Romo for deciding vote.

II. **Public Comment**

None

III. **Approval of Board Minutes July 22, 2021 – Regular Board Meeting**

Motion to approve the July 22, 2021, Regular Board Meeting minutes was made by: Dir. Hunter and seconded by Dir Osenga. All board members and alternates Terry Memenga present voted in favor and Dir Brian Stump and Dir Robert Romo absent. Motion Carries.

Dir Robert Romo joined the meeting

IV. **Reports**

A. **Operations & Maintenance Report**

Monthly Report

Art presented the MOR stating everything has been going well with the plant. Art still gave emphasis on Attachment A of the MOR for clarification on where the plant is on loadings, given explanations on the rain flow for the month, and the BOD concentration.

B. **Executive Director Report**

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

Exec. Dir. Dave Tyson presented the monthly utility usage sheet, stating everything is in line.

2. Hauled In Waste Summary

Exec. Dir. Tyson stated hauled in waste is steady. Dir Hunter asked does McIntyre still deliver to KRMA. Melanie responded yes, however; they have changed hands several times. Chairman Curtis ask has the new rate for Republic Service started. Exec Dir Tyson stated yes, and Art added it was retro back to June 1, 2021.

3. Operations Report

Exec Dir Dave Tyson stated he will be sending out official letter for Alternate for the municipalities for the Board.

C. Financial Report

1. Reports

Karen Benson presented the financial statements. Karen stated the cash position is strong. KRMA be able to build up some capital since IEPA loan has been paid. Statement of Revenue/Expense is in line. Fiscal YTD and Budgetary YTD is within expectations.

2. Hauled In Waste Report

Karen stated our hauled in waste is above what we budgeted which is good for revenue.

3. Flows Graphs

Karen Benson presented the year-to-date flow graphs which display where each municipality is at thus far. Karen gave emphasis on the estimated percentage column at the bottom, stating that is what each municipality is budgeted on vs the actual percentage where each municipality can see how their flows is tracking.

D. Communications

None

V. Old Business

A. Blowers Update

Exec Dir Tyson stated we are waiting for the blowers to be tested before the final calibration can be complete then we must undergo our two-week test period.

B. Republic Service Update

Exec Dir Tyson gave us an update regarding the service agreement, stating that it's in their Attorney's possession. Attorney Neal agrees.

C. CSL Update

Exec Dir Tyson stated CSL asked for another time extension, due to unable to get materials. Dir Hunter asked do they have a timetable. Exec Dir Tyson stated he believes it was for 60-day extension. Art added, CSL stated it could go into the following year, if it does than nothing will change for KRMA till the following year which is the new fiscal year. Chairman Curtis gave some timeline of the CSL dates: Original PH enforcement date was November 1, 2021, CSL asking for an extension to February 16, 2022, and Ammonia enforcement date was May 1, 2023, CSL asking for an extension to July 1, 2023. Dir Romo asked what percentage of loadings come from CSL? Art responded it depends on flow or concentration? Concentration it's approximately 25% concentrated, however, after CSL complete their pretreatment plant, the concentration of loadings should decrease, however, it's hard to say how much until samples are taken.

D. Proposal for the Project Development Plan

Chairman Curtis asked Exec Dir Tyson to exist the room for this discussion item. Chairman Curtis stated that Robinson Engineering was one of the companies that submitted a proposal for the Project Development Plan. All the proposals have been directed directly to Art and Exec Dir Tyson have not been a part of this process. Art went on to explain that Strand Associates and Robinson Engineering were the two companies that met all the criteria for KRMA's Request for Proposal. Art recommendation was for Strand Associates and for Strand Associates not to exceed \$200,000.00 cost. There was discussion on the base for recommending Strand Associates, and a timeline for completion. Dir Hunter asked, you are basing this upon relationship consistence, insite, and all the above. Art responded yes. This is a 20-year projection making sure we can meet the new and future permits that's coming from IEPA. Motion to approve recommendation for the Project Development Plan be awarded to Strand Associate not to exceed \$200,000.00 was made by Dir Hunter, seconded by Vice Chair

Schore with the ability to see the numbers. Attorney Neal asked will there be a professional service agreement. Dan Small replied yes, a detail scope and agreement to match the not to exceed \$200,000.00. There was also discussion about the need of the expansion of the plant and the adjustment as we move along with other projects being in place. All board members present voted in favor and Dir Brian Stump absent. Motion Carried.

E. **NARP Program**

Exec Dir Tyson stated that sampling have been set and we are collecting data. Next month there should be more information.

VI. **New Business**

A. **Approval for River Clean Up Donation**

Exec Dir Tyson informed the board KRMA donate every year for the River Clean Up. Suggested that its place as a budget line item for every year. Motion to approve \$500.00 donation to the Northern Illinois Anglers Association (NIAA) River Clean Up was made by Vice Chair Schore and seconded by Dir Hunter. All board members present voted in favor and Dir Brian Stump absent. Exec Dir Tyson also stated KRMA staff do volunteer to help with the River Clean Up. Also, Melanie, provided the time September 18,2021 at 8am to noon.

B. **Review of Aqua transaction with Bourbonnais and impact of KRMA Bonds**

Vice Chair Schore explained what Aqua is purchasing from Village of Bourbonnais and how the impact will have no affects to do with the coalition between Village of Bourbonnais and KRMA. Attorney Neal stated this had to go to the Illinois Commerce for approval. He also informed the board that in June 2020 the IGA was amended to allow for this transaction to take place as long as Village of Bourbonnais own the system connected to KRMA.

C. **Consideration of an ordinance providing for the payment of certain of the outstanding Senior Lien Sewerage Treatment Facility Refunding Bonds, Series 2016, of the Kankakee River Metropolitan Agency in advance of maturity and authorizing and directing the execution of an Escrow Agreement in connection therewith**

Attorney Neal gave a detail explanation regarding the regulation and procedure of the Bond order for the Escrow agreement. Karen gave an explanation on how this escrow account will affect the financial statements.

Chairman Curtis left the meeting

Motion to approve the escrow agreement to prepay the bonds was made by Dir Romo and seconded by Dir Swanson. Dir Hunter, Dir Osenga, Dir Swanson, Dir Romo voted in favor, Vice Chair Schore voted abstained, and Dir Brian Stump and Chairman Curtis absent. Motion Carried.

D. **Draft Audit Report**

Discuss next meeting

F. **Alerus 401 (k) Plan-Hardship Withdrawal**

Exec Dir Tyson stated employees will be able withdrawal money out of their 401 (k) for hardship. Motion to authorized Chairman to sign Alerus 401(k) Plan Hardship Withdrawal was made by Dir Swanson and second by Dir Osenga. All board members present voted in favor and Dir Brian Stump and Chairman Curtis absent.

VII. **Executive Session**

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. Romo and seconded by: Dir. Swanson. Motion carried.

Roll call was taken, and all Board Members were present except Dir Brian Stump and Chairman Curtis absent.

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

Return to Open Session.

Roll call was taken, and all Board Members present except Dir Brian Stump and Chairman Curtis absent.

With the Board back in open session, there was no motion.

VIII. **Next Meeting**

Next Regular Board Meeting- **Thursday, September 23, 2021 (9:00 A.M. at KRMA Board Room)**

Motion to Adjourn was made by: Dir. Osenga and seconded by Dir Swanson. All board members present voted in favor and Dir Brian Stump and Chairman Curtis absent. Motion carried.



Kankakee River Metropolitan Agency

Providing Wastewater Treatment to the Kankakee River Valley



Monthly Operations Report

August 2021

KRMA's JULY HIGHLIGHTS:

The Kankakee River Metropolitan Agency began sampling the Kankakee River upstream and downstream of the KRMA facility. The KRMA staff are taken grab samples at the station street bridge and Bird Park upstream of the facility and 1300 feet downstream of the plant discharge and the warner bridge crossing.

The sampling will help to determine nutrient level in the river. Excess levels of nutrients causing dense growth of plant life creates lack of oxygen in the river and death to aquatic life.

The Illinois Environmental Protection Agency has determined that KRMA must have data and sound scientific rationale that the Kankakee River is not at risk.

As the world continue to be plaque with the Covid-19 virus causing disrupt to delivery of merchandise the KRMA staff has met the challenge. The plant continues to perform at a high level of efficiency.

The month of August, the KRMA staff met all limits 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)	343.48	232.49	80.695	29.165	1.137
Daily Average Flow (MGD)	11.08	7.50	2.603	0.941	0.037

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	9 mg/l
PH	6-9 SU	7.33 SU
Chlorine Residual	0.05 mg/l	0.011 mg/l
Fecal Coliform	400/100 ml	12 ml

ODOR ISSUES:

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

4.0 PERSONNEL

The Agency would like to Congratulate Jack Renchen, Lead O&M Specialist, for 16 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 August.

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: 1104
Hours of Scheduled Work Orders Performed: 616.38

6.0 SLUDGE HANDLING

Start Date: 08/01/2021
End Date: 08/31/2021

Gallons of sludge produced and sent to thickening:	2,676,224.00
Gallons of sludge put into storage after thickening:	1,174,800.00
Sludge removed from the plant for land application:	246,000.00
Sludge remaining in storage as of March 30th:	4,910,000.00

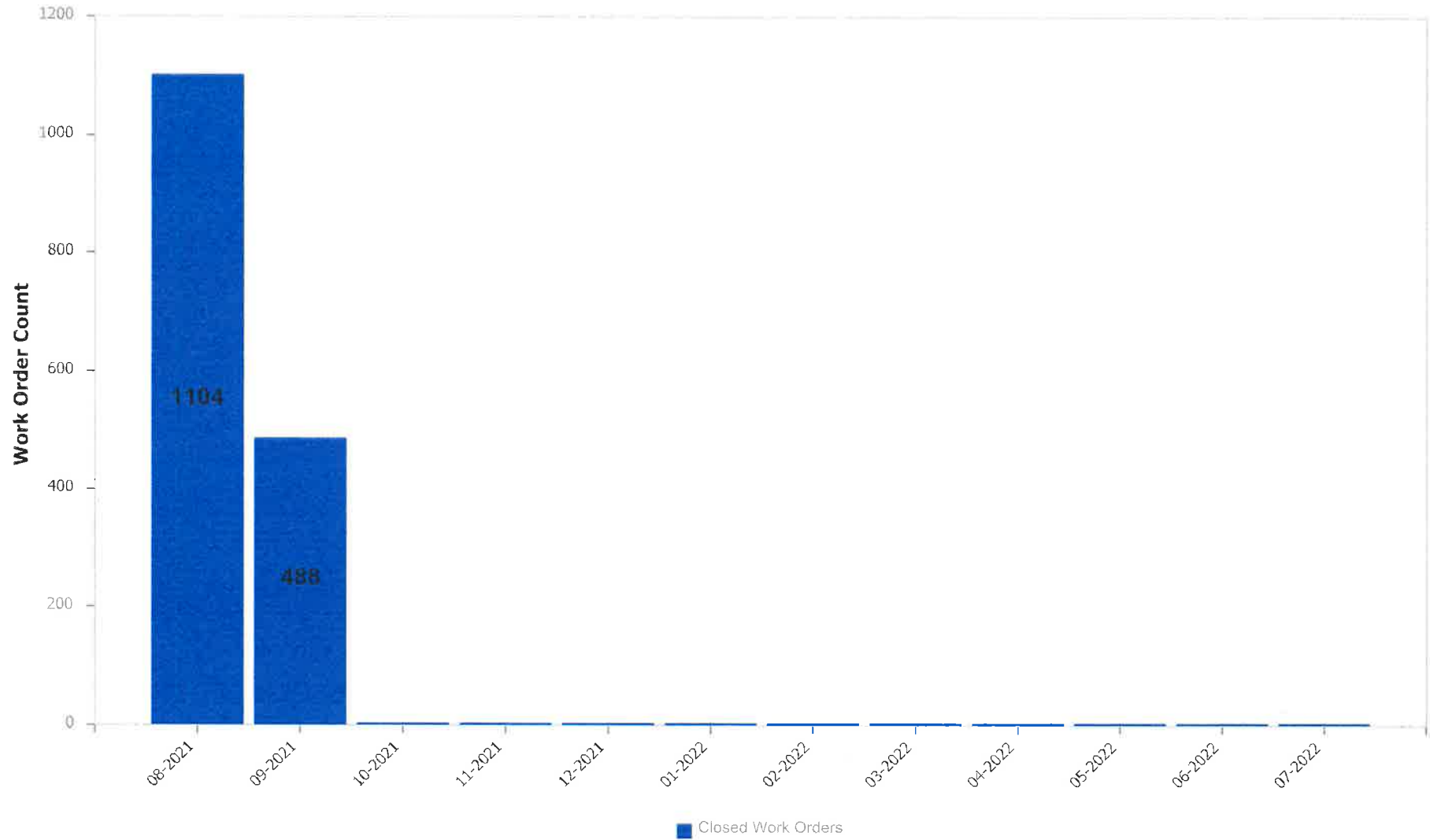
7.0 WATER USAGE

AUGUST 2021 (30 DAYS): 54,809 CU FT= 410,000 GALS. = \$ 3,116.36

NUMBER OF DAYS IN THE BILLING CYCLE: 30

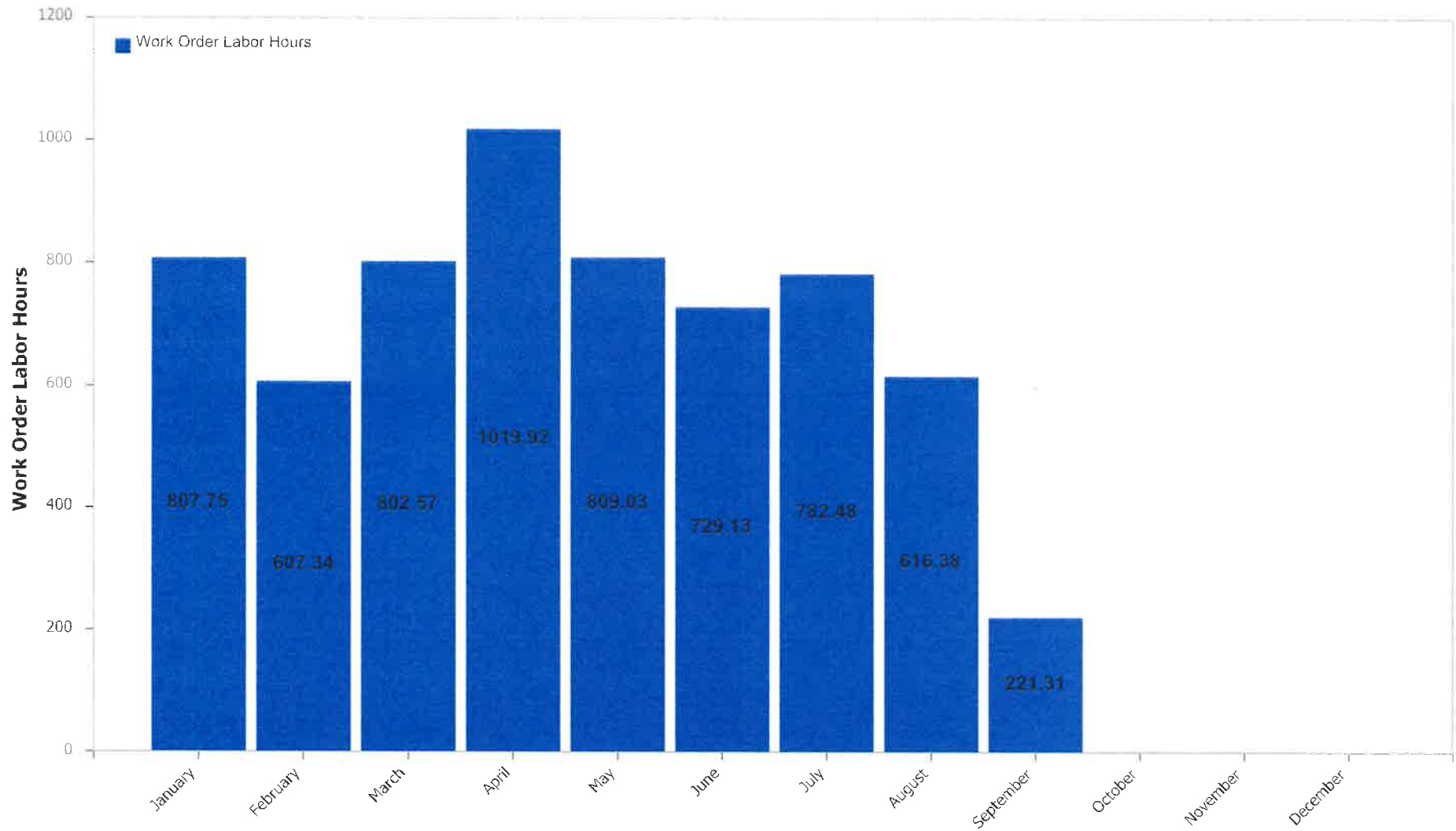
Work Orders Closed By Month

From August, 2021 to July, 2022



Work Order Labor Hours by Month

2021



ATTACHMENT

A

DMR Monthly Report

8/1/2021 to 8/31/2021

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
8/1/2021	10.308		5		430		3		258
8/2/2021	9.964	7.39	10		831		5		415
8/3/2021	10.257	7.21	9		770		7		599
8/4/2021	10.191	7.39	8		680		5		425
8/5/2021	10.024	7.34	6		502		5		418
8/6/2021	10.083	7.39	8		673				
8/7/2021	10.210		5	7	426	616	3	5	255
8/8/2021	9.945		9		746		3		249
8/9/2021	10.447	7.72	12		1,046		5		436
8/10/2021	10.938	7.22	17		1,551		6		547
8/11/2021	13.393	7.31	16		1,787		5		558
8/12/2021	14.160	7.15	10		1,181		7		827
8/13/2021	14.517	7.38	2		242				
8/14/2021	12.121		6	10	607	1,023	3	5	303
8/15/2021	11.154		4		372		3		279
8/16/2021	10.532	7.40	8		703		4		351
8/17/2021	10.776	7.41	11		989		5		449
8/18/2021	10.844	7.25	10		904		5		452
8/19/2021	11.042	7.30	12		1,105		5		460
8/20/2021	10.971	7.55	4		366				
8/21/2021	10.566		3	7	264	672	3	4	264
8/22/2021	10.023		3		251		3		251
8/23/2021	10.012	7.29	8		668		7		585
8/24/2021	10.326	7.21	14		1,206		14		1,206
8/25/2021	12.178	7.20	11		1,117		5		508
8/26/2021	12.736	7.19	8		850		5		531
8/27/2021	12.791	7.33	10		1,067				
8/28/2021	11.211		6	9	561	817	3	6	280
8/29/2021	10.652		7		622		3		267
8/30/2021	10.565	7.18	14		1,234		4		352
8/31/2021	10.545	7.35	17		1,495		3		264

Minimum	9.945	7.15	2	7	242	616	3	4	249
Maximum	14.517	7.72	17	10	1,787	1,023	14	6	1,206
Average	11.080	7.33	9	8	814	782	5	5	437
Sum	343.482	161.16	273	34	25,243	3,128	129	20	11,791

Limit		Range 6-9	25	45	5,213	9,383	20	40	4,170
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DMR Monthly Report

8/1/2021 to 8/31/2021

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	%
8/1/2021				10.31	201	17,280	180	15,474	99
8/2/2021		0.019	10	9.96	408	33,905	204	16,952	99
8/3/2021		0.006	4	10.26	457	39,093	146	12,489	98
8/4/2021		0.007	17	10.19	429	36,462	280	23,798	99
8/5/2021		0.009	21	10.02	412	34,443	340	28,424	99
8/6/2021		0.012	0	10.08			96	8,073	
8/7/2021	395	0.012		10.21	251	21,373	154	13,113	99
8/8/2021				9.95	189	15,676	208	17,252	98
8/9/2021		0.008	18	10.45	429	37,378	374	32,586	99
8/10/2021		0.020	34	10.94	366	33,388	350	31,928	98
8/11/2021		0.018	9	13.39	320	35,743	366	40,881	98
8/12/2021		0.004	40	14.16	403	47,592	424	50,072	98
8/13/2021		0.007	42	14.52			132	15,981	
8/14/2021	487			12.12	286	28,911	230	23,251	99
8/15/2021				11.15	155	14,419	107	9,954	98
8/16/2021		0.008	6	10.53	396	34,783	300	26,351	99
8/17/2021		0.016	2	10.78	455	40,892	236	21,210	99
8/18/2021		0.007	13	10.84	353	31,925	146	13,204	99
8/19/2021		0.006	2	11.04	346	31,863	286	26,338	99
8/20/2021		0.011	9	10.97			72	6,588	
8/21/2021	376			10.57	315	27,758	260	22,911	99
8/22/2021				10.02	214	17,889	200	16,718	99
8/23/2021		0.013	6	10.01	514	42,919	240	20,040	99
8/24/2021		0.014	19	10.33	498	42,887	600	51,671	97
8/25/2021		0.011	5	12.18	373	37,884	342	34,735	99
8/26/2021		0.016	4	12.74	389	41,319	388	41,213	99
8/27/2021		0.007	1	12.79			308	32,856	
8/28/2021	560			11.21	210	19,635	126	11,781	99
8/29/2021				10.65	163	14,481	138	12,260	98
8/30/2021		0.006	4	10.57	356	31,368	272	23,966	99
8/31/2021		0.005	2	10.55	382	33,595	510	44,852	99

Minimum	376	0.004	0	9.95	155	14,419	72	6,588	97
Maximum	560	0.020	42	14.52	514	47,592	600	51,671	99
Average	455	0.011	12	11.08	343	31,291	259	24,094	99
Sum	1,818	0.242	268	343.48	9,270	844,860	8,015	746,924	2,662

Limit	8,340	0.05	400						
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DMR Monthly Report

8/1/2021 to 8/31/2021

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
8/1/2021	97	7.16	7.03	7.10		0.92	78.92	0.44	
8/2/2021	95	7.23	7.11	7.17		0.86	71.55	0.50	52.30
8/3/2021	94	7.07	6.98	7.03		4.68	400.34	0.64	
8/4/2021	97	7.10	6.97	7.04		6.31	536.31	0.66	
8/5/2021	98	6.98	6.95	6.97		6.47	540.89	0.87	
8/6/2021	92	7.20	7.19	7.20					
8/7/2021	97	6.86	6.89	6.88	7.05				
8/8/2021	96	6.75	6.82	6.79		0.17	14.10	0.64	14.10
8/9/2021	97	6.81	6.90	6.86		0.05	4.36	0.42	
8/10/2021	95	6.54	6.63	6.59		1.35	123.15	0.57	
8/11/2021	96	6.76	6.85	6.81		0.45	50.60	0.66	
8/12/2021	98	6.99	7.08	7.04		0.05	5.90	0.54	
8/13/2021	98	6.80	7.09	6.95					
8/14/2021	97	6.74	6.94	6.84	6.84				
8/15/2021	96	6.96	7.05	7.01		0.17	15.91	0.56	
8/16/2021	97	7.19	7.11	7.15		0.14	12.21	0.45	
8/17/2021	95	7.10	6.89	7.00		0.12	10.87	0.49	
8/18/2021	93	6.97	6.61	6.79		0.13	11.85	0.41	10.90
8/19/2021	96	6.83	6.74	6.79		0.49	44.76	0.64	
8/20/2021	94	6.82	6.77	6.80					
8/21/2021	99	6.88	6.90	6.89	6.92				
8/22/2021	99	6.93	6.94	6.94		0.23	19.31	0.57	
8/23/2021	97	6.86	6.88	6.87		0.27	22.80	1.08	
8/24/2021	98	6.59	6.55	6.57		1.96	168.79	1.48	
8/25/2021	97	6.61	6.60	6.61		4.99	506.81	1.28	18.14
8/26/2021	98	6.56	6.56	6.56		2.48	263.42	1.76	
8/27/2021	97	6.50	6.48	6.49					
8/28/2021	95	6.57	6.56	6.57	6.66				
8/29/2021	95	6.65	6.69	6.67		0.13	11.19	0.56	
8/30/2021	95	6.67	6.70	6.69		0.05	4.41	0.73	
8/31/2021	97	6.61	6.67	6.64		3.46	304.29	1.15	22.00

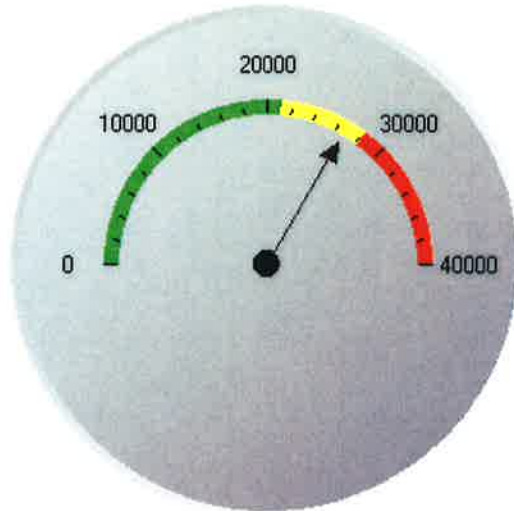
Minimum	92	6.50	6.48	6.49	6.66	0.05	4.36	0.41	10.90
Maximum	99	7.23	7.19	7.20	7.05	6.47	540.89	1.76	52.30
Average		6.85	6.84	6.85	6.86	1.56	140.12	0.74	23.49
Sum	2,984	212.29	212.13	212.21	27.46	35.93	3,222.73	17.10	117.44

Limit				min >4.0	>4.5	8.3	1731		
				avg >6.0					

Influent BOD loading Lbs - Monthly AVG

26,658 Lbs./Day

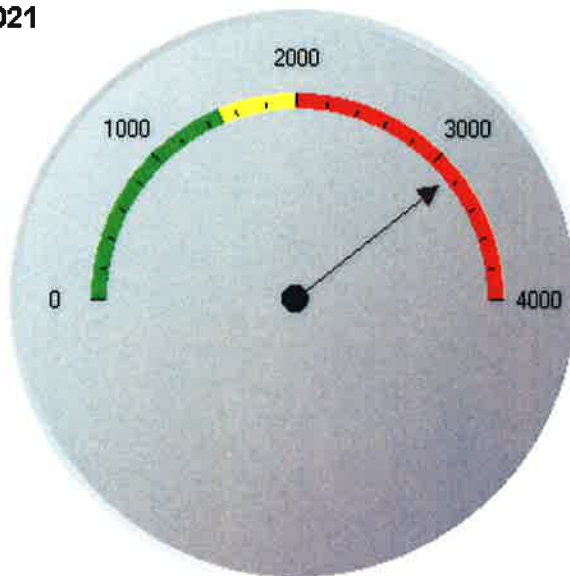
07/01/2021 - 07/31/2021



Influent NH3 loading Lbs - Monthly AVG

3,141 Lbs./Day

07/01/2021 - 07/31/2021



Influent TSS loading Lbs - Monthly AVG
07/01/2021 - 07/31/2021

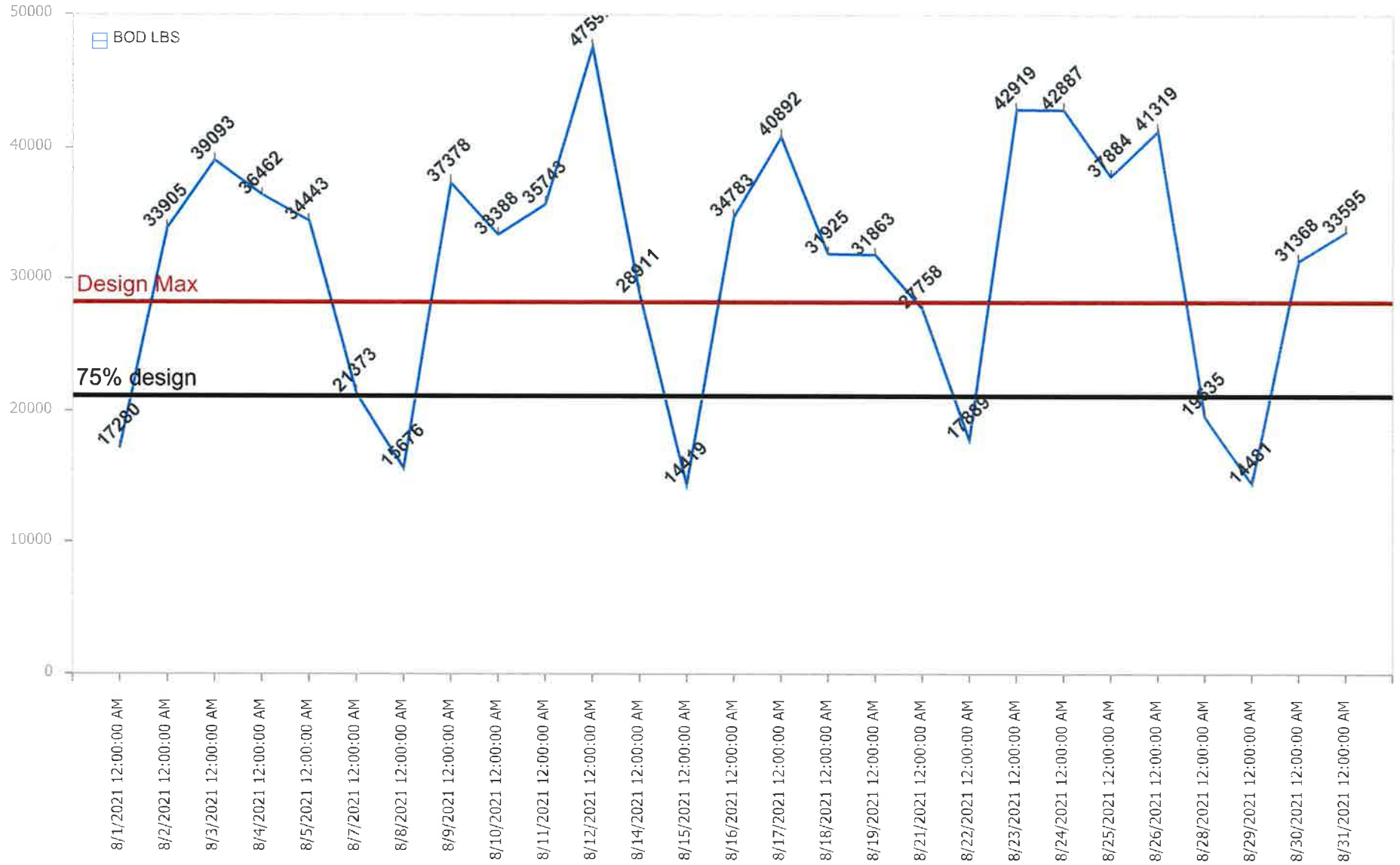
25,793 Lbs./Day



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

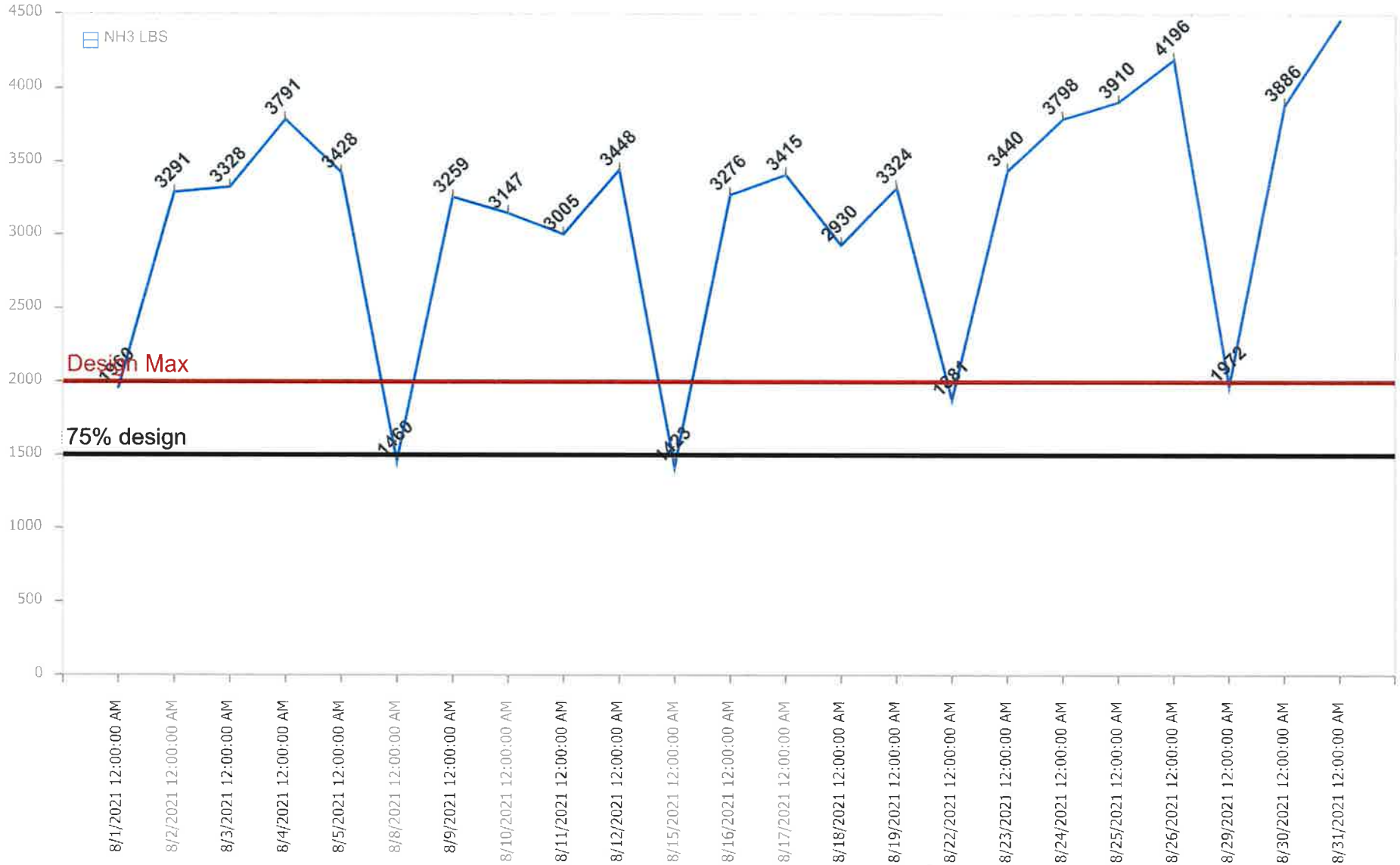
KRMA influent BOD pounds

Average Lbs. BOD: 31,291.15



KRMA influent NH3 pounds

Average Lbs. NH3: 3,131.61



ATTACHMENT

B

Flows
KRMA Treatment Facility
August, 2021

Date	PRECIPITA INCHES	PLANT MGD	Kankakee MGD	BOURB. MGD	BradleyFlow MGD	AromaPark MGD
8/1/2021	0.00	10.31	7.21	2.197	0.868	0.035
8/2/2021	0.00	9.96	6.73	2.339	0.861	0.034
8/3/2021	0.00	10.26	7.04	2.323	0.850	0.041
8/4/2021	0.00	10.19	7.17	2.126	0.864	0.032
8/5/2021	0.00	10.02	6.79	2.402	0.792	0.037
8/6/2021	0.00	10.08	6.90	2.291	0.855	0.039
8/7/2021	0.00	10.21	6.95	2.367	0.849	0.039
8/8/2021	0.50	9.95	6.59	2.401	0.919	0.039
8/9/2021	0.05	10.45	6.99	2.546	0.875	0.038
8/10/2021	0.55	10.94	7.49	2.392	1.018	0.037
8/11/2021	0.96	13.39	9.18	2.784	1.391	0.039
8/12/2021	0.00	14.16	9.89	2.996	1.242	0.035
8/13/2021	0.00	14.52	10.79	2.702	0.982	0.038
8/14/2021	0.00	12.12	8.57	2.464	1.053	0.038
8/15/2021	0.00	11.15	7.67	2.481	0.966	0.038
8/16/2021	0.00	10.53	7.57	2.066	0.857	0.035
8/17/2021	0.00	10.78	7.76	2.124	0.861	0.034
8/18/2021	0.42	10.84	7.07	2.753	0.983	0.034
8/19/2021	0.00	11.04	7.27	2.885	0.848	0.036
8/20/2021	0.00	10.97	7.49	2.625	0.823	0.037
8/21/2021	0.00	10.57	7.13	2.589	0.811	0.037
8/22/2021	0.00	10.02	6.56	2.549	0.878	0.037
8/23/2021	0.00	10.01	6.71	2.506	0.757	0.036
8/24/2021	0.47	10.33	6.63	2.680	0.980	0.036
8/25/2021	0.30	12.18	7.78	3.230	1.119	0.049
8/26/2021	0.00	12.74	8.25	3.439	1.011	0.034
8/27/2021	0.00	12.79	8.97	2.887	0.896	0.036
8/28/2021	0.00	11.21	7.36	2.806	1.013	0.036
8/29/2021	0.08	10.65	6.55	2.958	1.104	0.036
8/30/2021	0.00	10.57	6.64	2.969	0.927	0.030
8/31/2021	0.00	10.55	6.78	2.818	0.911	0.035
Total	3.33	343.48	232.49	80.695	29.165	1.137
Average	0.11	11.08	7.50	2.603	0.941	0.037
Minimum	0.00	9.95	6.55	2.066	0.757	0.030
Maximum	0.96	14.52	10.79	3.439	1.391	0.049
# of data	31	31	31	31	31	31

ATTACHMENT

C



SAFETY MEETING
September 14, 2021
9:30am & 1:30pm
Agenda

I. Safety Minutes

Review minutes from August 2021

II. Old Business

There were no lost time accidents for the month of August 2021

III. New Business

A. Safety Training

Annual CPR training presented by the Kankakee Fire Department.

B. Safety Concerns

C. Safety Team Leader Report

Safety Team Leader responsibilities transferred from Brian Power to Nick Scheppler.

D. Open Discussion

1. 39th Annual River Clean-Up : September 18th, 2021 from 8am-1pm.
2. KRMA participation in the BTPD scarecrow contest.

Next Meeting: Thursday, October 7, 2021 9:30am & 1:30pm



SAFETY MEETING
August 12, 2021
9:30am & 1:30pm
Minutes

In attendance:

9:30am session:

Melanie Gossett, Facilitator

Shaun Ownbey Nick Scheppler Mike Gowler Nick Tucker

Dave Tyson

1:30pm session:

Melanie Gossett, Facilitator

Shawn Malone Jim Churney Ron Haney Bryan Kennedy

Josh Peters John Lund Max Gossett Mike Arseneau

Andy Summers

Absent:

Dustin Scheppler, Dan Combs, Jack Renchen, Brian Power

I. Safety Minutes

Reviewed minutes from July 13, 2021 – Approved

II. Old Business

There were no lost time accidents reported for the month of July 2021.

III. New Business

A. Safety Training

1. *Confined Space Entry #2308* video was presented to the group. (CEU 12972).
2. The group reviewed a quiz related to the Confined Space Entry video.
3. A demonstration was given on the newly purchased tripod and harness.
4. Everyone was given instructions on how to fill out the confined space entry permit within the VUEWorks system.

ATTACHMENT

D

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: BRADLEY/ RIVER DRIVE

FLOW METER MODEL: Isco Signature

INFLUENT September 7th, 2021

PRIMARY DEVICE: PHARSHAL

FLOW: 0-21.36

MEASURING DEVICE: ULTRASONIC

CHECK POINTS:

LEVEL? YES

FREE FLOWING? NO

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 11.5" Level reading 11.627"

LEVEL AFTER: 11.467"

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: 9/7/2021

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 September 7th, 2021

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 20.0 MGD AS Found 20.155 MGD

LEVEL AFTER: 20.014 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: 9/7/2021

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 September 7th, 2021

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 24.121"

LEVEL AFTER: 24.121"

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: 9/7/2021

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 September 7th, 2021

PRIMARY DEVICE: Flume

FLOW: 0-73 MGD

MEASURING DEVICE: Ultrasonic

CHECK POINTS:

LEVEL? YES

FREE FLOWING? Yes

TURBULENCE? Yes

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 20.0MGD As Found 20.978 MGD LEVEL AFTER: 20.002 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: 9/7/2021

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 September 7th, 2021

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 24.197

LEVEL AFTER: 24.123"

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 9/7/2021

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 September 9th 2021

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 15.00" As found 14.817"

LEVEL AFTER: 14.817" 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: 9/9/2021

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 September 9th, 2021

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 37.5" As found 35.539"

LEVEL AFTER: 35.539"

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: 9/9/2021

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

ATTACHMENT

E

August 2021 Monthly Pretreatment Sample Analysis (metals, cyanide & VOA) for the permitted industries were a total of **90 samples** and a total of **469 analyses**.

Gilster-Mary Lee Corporation	9 Samples
Lake County C&D Landfill	1 Sample
Liberty Landfill, LLC	10 Samples
Livingston Landfill	5 Samples
Natural Gas & Pipeline Co. of America	2 Samples
Newton County Landfill	15 Samples
Peoria Packing Co.	1 Sample
Prairie View RDF	9 Samples
Tank Cleaning Solutions, LLC	37 Samples
Zutat Feed Solutions	1 Sample

Volumes Received for August 2021 for trucked-in industries.

Gilster-Mary Lee Corporation	59,000 gals	10 loads
Lake County C&D Landfill	19,143 gals	3 loads
Liberty Landfill, LLC	869,176 gals	130 loads
Livingston Landfill	259,079 gals	40 loads
Natural Gas & Pipeline Co. of America	30,000 gals	6 loads
Newton County Landfill	1,486,841 gals	232 loads
Peoria Packing Co.	5,000 gals	1 load
Prairie View RDF	530,097 gals	93 loads
Tank Cleaning Solutions, LLC	192,352 gals	39 loads
Zutat Feed Solutions	30,000 gals	5 loads
Totals:	3,480,688 gals	559 loads

The KRMA Facility received a total of **193 loads** of septage which totalled **605,900 gallons** for the month of August 2021



Annual Load / Gallon Totals

IV-B-2

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

2021

	City of Mendota/Morton Ice Packing	Gilster-Mary Lee Corporation	Hoffman Transportation, LLC	Kankakee Recycling & Disposal Facility	Lake County C&D Landfill	Lansing Recycling & Disposal Facility	Liberty 3 LGTE Plant - Wabash Valley Power Alliance	Liberty Landfill, LLC	Livingston Landfill	Natural Gas & Pipeline Co. of America	Newton County Landfill	Odyssey US LLC	Peoria Packing Co.	Prairie View RUP	Solvay USA Inc.	Tank Cleaning Solutions, LLC	Verdant Specialty Solutions US LLC	Zulut Feed Solutions	Total	# Loads
January	138,200	80,000	10,000		57,287			912,664	255,040	50,000	1,331,545			95,432	72,194	180,472		23,000	3,205,834	512
February	168,000	61,000	15,000					1,387,606	166,784	30,000	913,999			25,925	42,583	200,029		18,000	3,028,926	487
March		109,000	25,000	7,000				1,046,929	202,053	115,000	1,405,353	72,338	3,500	74,567		244,479		36,000	3,341,219	548
April		87,000		7,000		5,825		951,099	162,572	35,000	1,383,535	71,113		196,500		157,934		30,000	3,087,578	503
May		67,000	10,000					692,347	157,220	60,000	1,540,176	50,123	8,600	238,613		116,493		42,000	2,982,572	482
June		87,000	5,000					870,217	311,792	75,000	1,609,740	72,321	1,000	258,802		209,940		12,000	3,512,812	570
July		95,000	20,000			30,586		864,323	200,917	75,000	1,500,204			372,450		156,039		24,000	3,338,519	545
August		59,000			19,143			869,176	259,079	30,000	1,486,841		5,000	530,097		192,352		30,000	3,480,688	559
September																				
October																				
November																				
December																				
Totals	306,200	645,000	85,000	14,000	76,430	36,411		7,594,361	1,715,457	470,000	11,171,393	265,895	18,100	1,792,386	114,777	1,457,738		215,000	25,978,148	4,206
Average	51,033	80,625	12,142	2,000	9,553	5,201		949,295	214,432	58,750	1,396,424	66,473	2,262	224,048	57,388	182,217		26,875	3,247,269	526
Treatment Costs as of 05/01/21	0.082	0.082	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.082	0.056	0	0.082	0.056	0	0.082	0.131	0.071		
Treatment Costs as of 05/01/20	0	0.071	0.049	0.049	0.049	0.049	0	0.049	0.049	0.071	0.042	0	0.071	0.049	0	0.071	0.114	0.071		



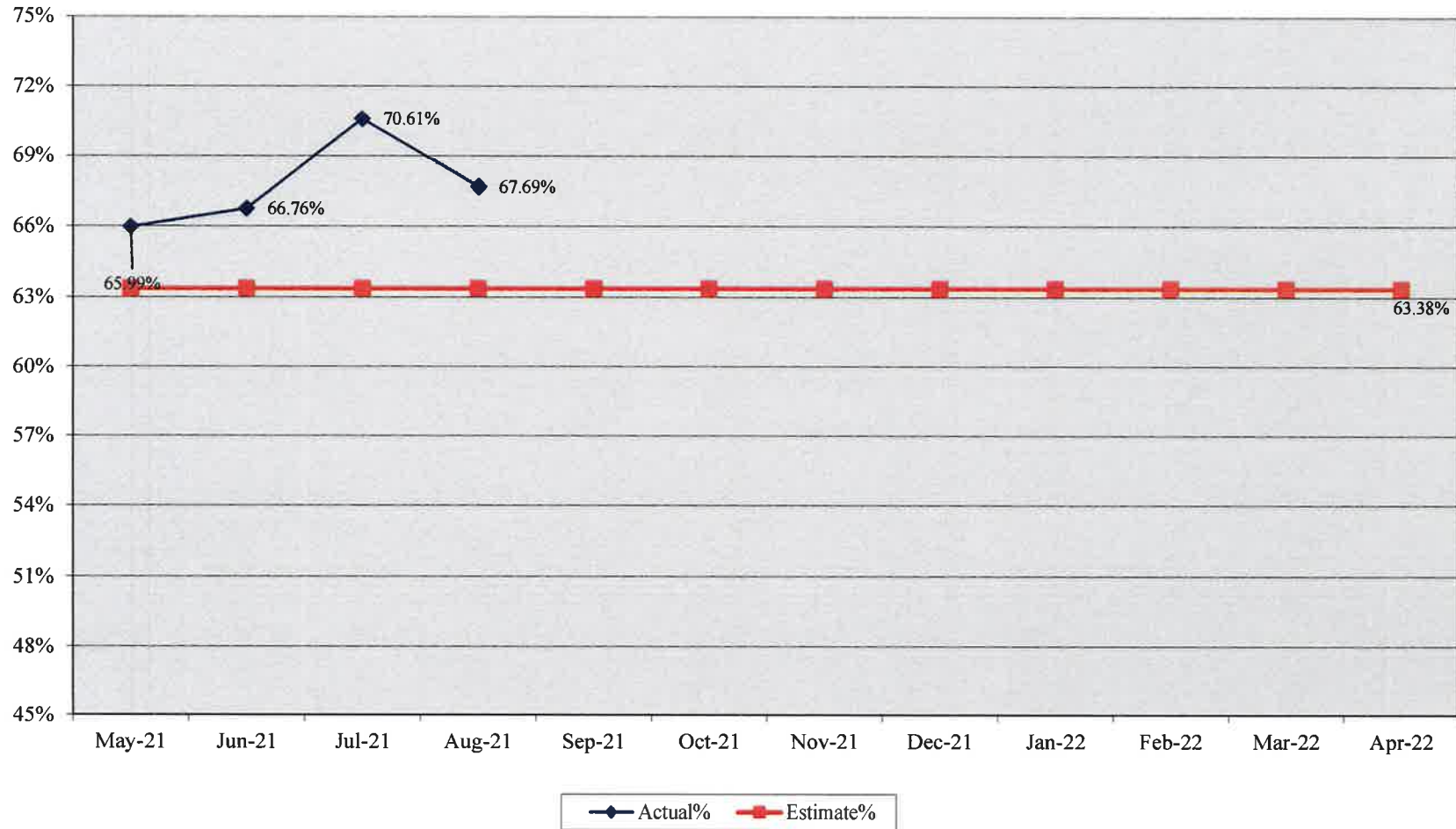
Monthly TSS/BOD Loading Report

August, 2021

IV-C-2
1600 West Brookmont Blvd.
Kankakee, IL 60901
Phone: 815-933-0444
Fax: 815-933-0104

Hauler	Gallons	Lbs TSS	Lbs BOD
Gilster-Mary Lee Corporation	59,000	538	2,683
Hoffman Transportation, LLC	0	0	0
Kankakee Recycling & Disposal Facility	0	0	0
Lake County C&D Landfill	19,143	45	98
Laraway Recycling & Disposal Facility	0	0	0
Liberty 3 LFGTE Plant - Wabash Valley Pow0		0	0
Liberty Landfill, LLC	869,176	3,474	22,032
Livingston Landfill	259,079	4,610	17,053
Natural Gas & Pipeline Co. of America	30,000	7	40
Newton County Landfill	1,486,841	16,933	268,232
Peoria Packing Co.	5,000	73	113
Prairie View RDF	530,097	3,206	71,152
Tank Cleaning Solutions, LLC	192,352	156	1,497
Verdant Specialty Solutions US LLC	0	0	0
Zutat Feed Solutions	30,000	2,193	2,707
Totals:	3,480,688	31,232	385,608

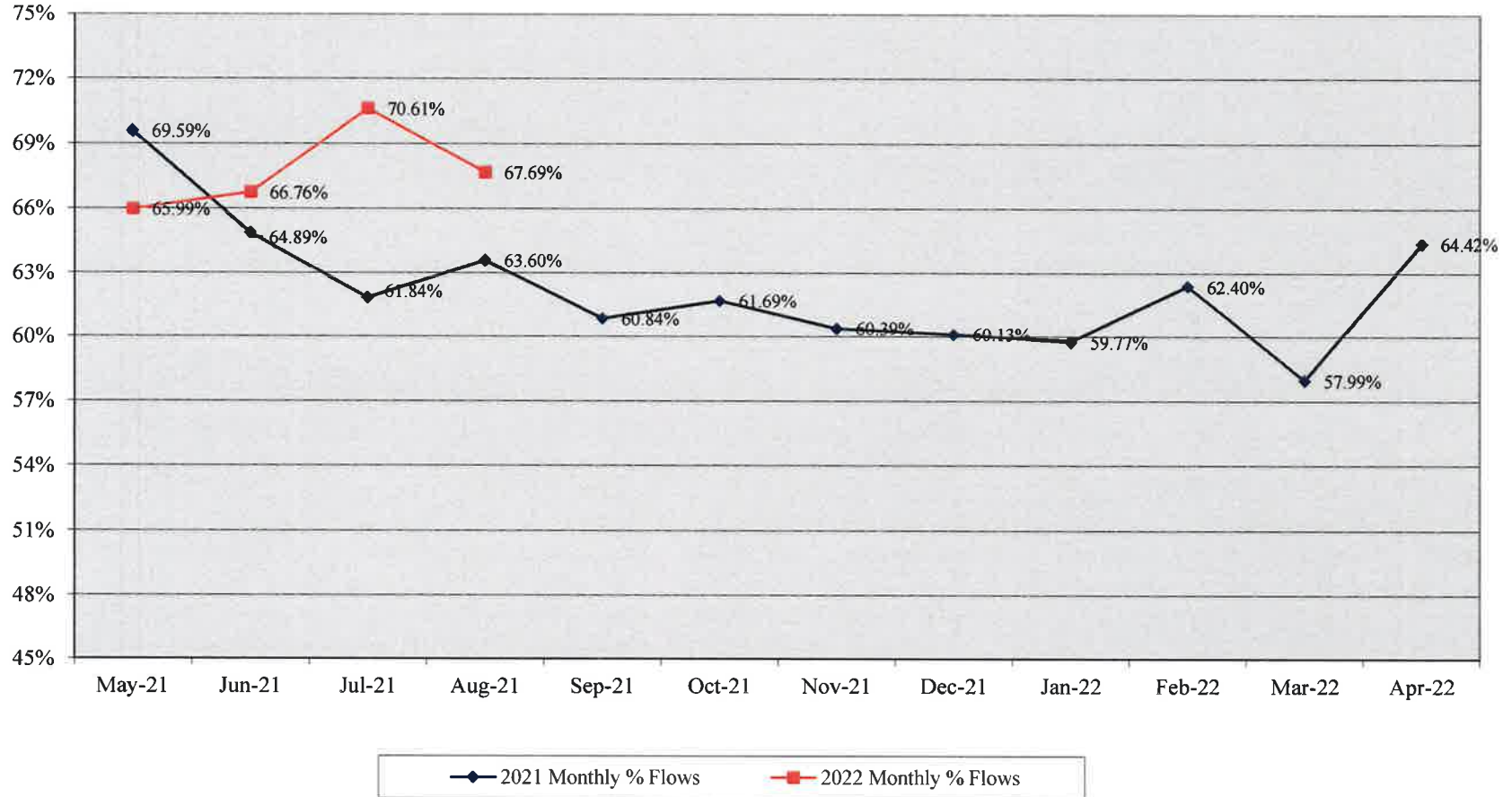
Kankakee River Metropolitan Agency
City of Kankakee
Actual % vs. Estimate FYE 4-30-22



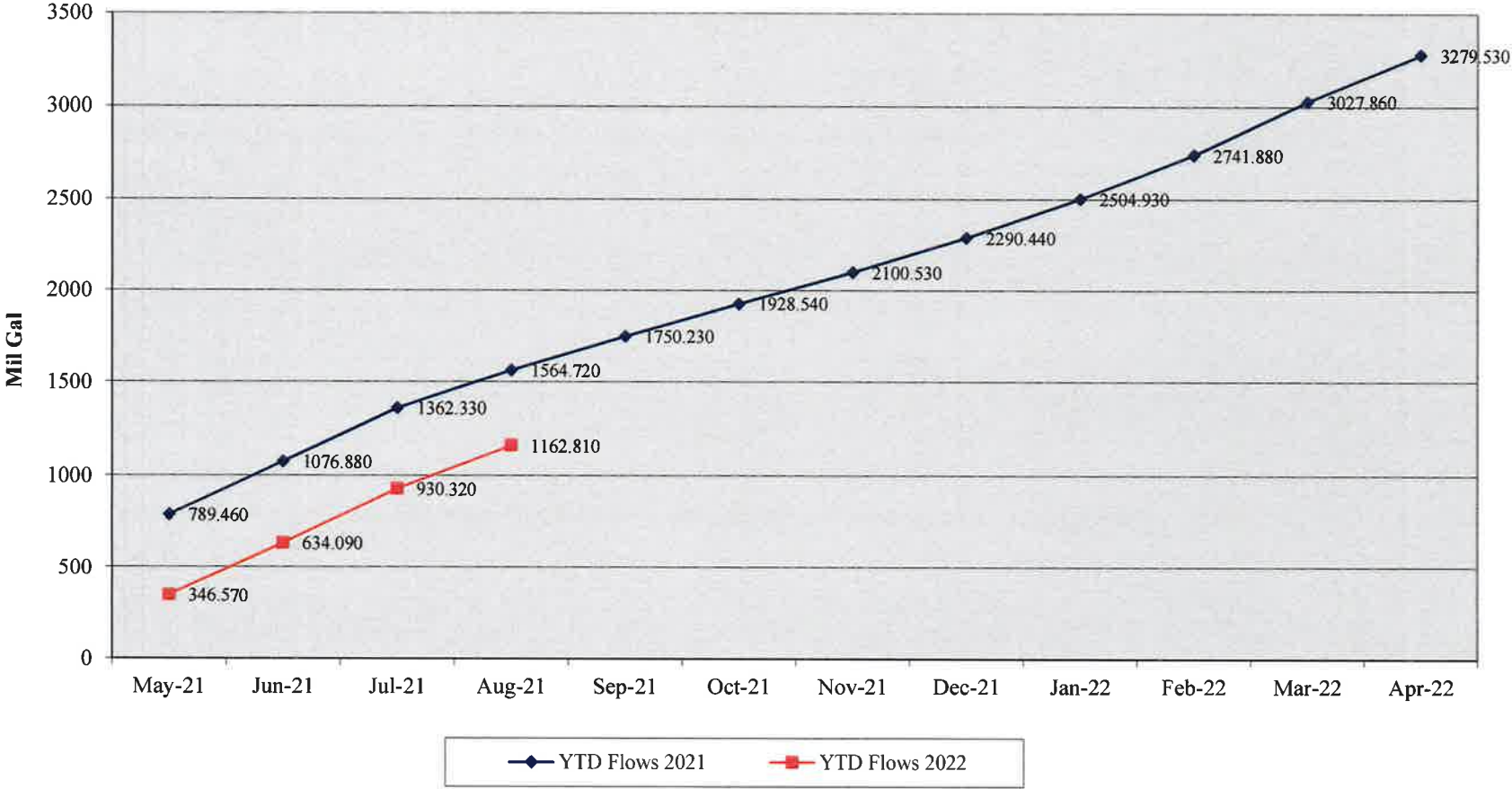
Kankakee River Metropolitan Agency

City of Kankakee

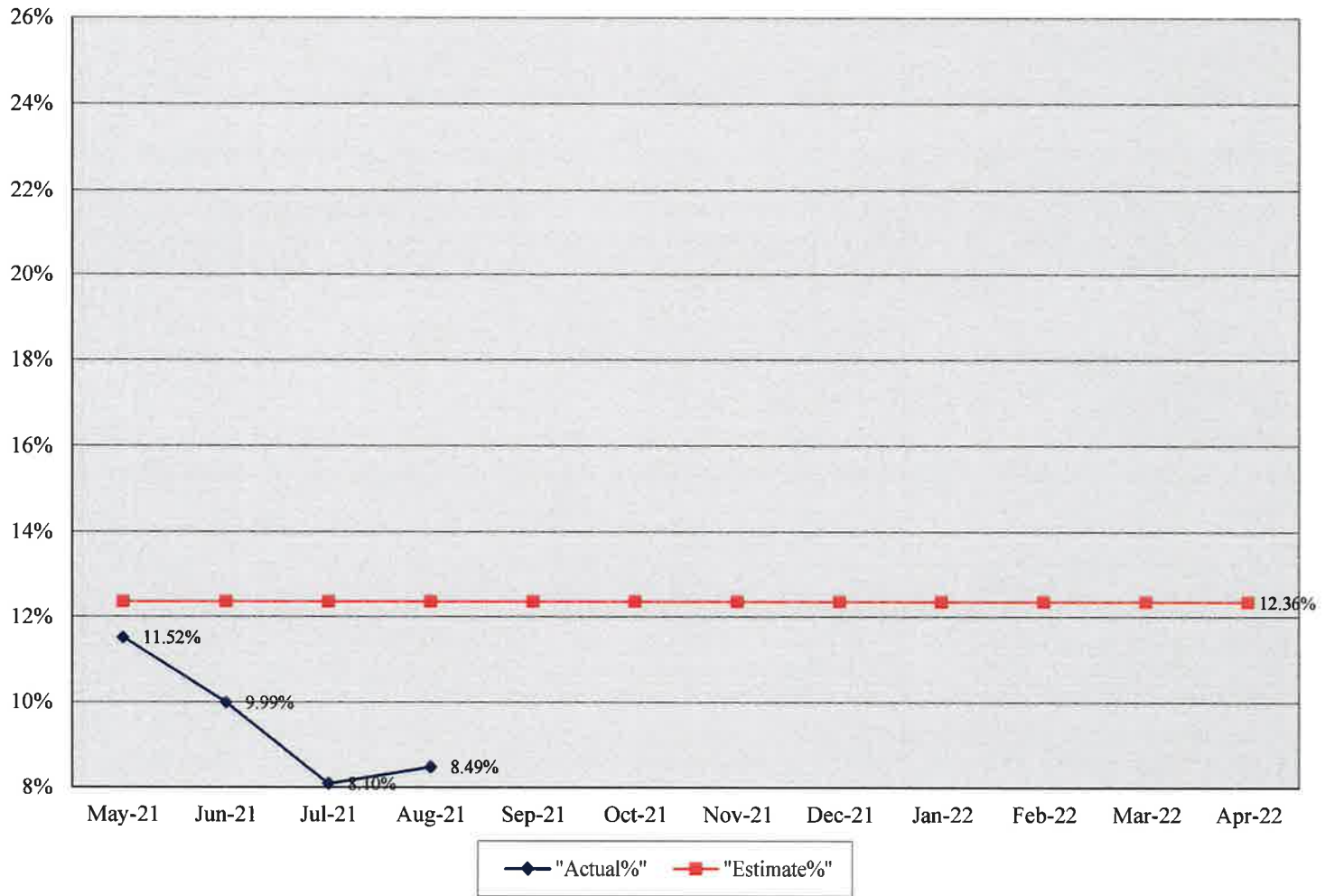
Monthly % Flows - 2021 vs. 2022



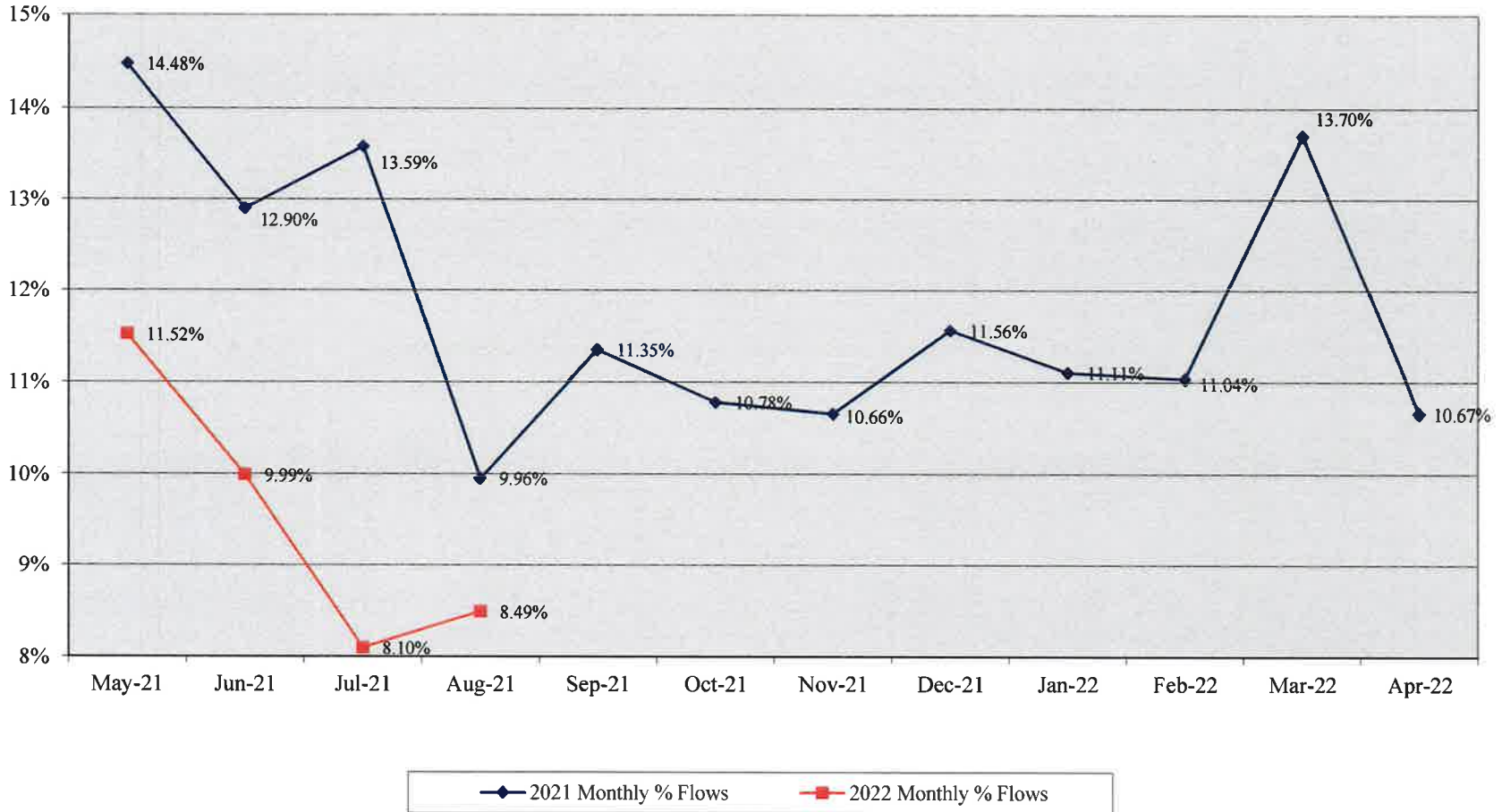
Kankakee River Metropolitan Agency
City of Kankakee
YTD Flows 2021 vs. 2022



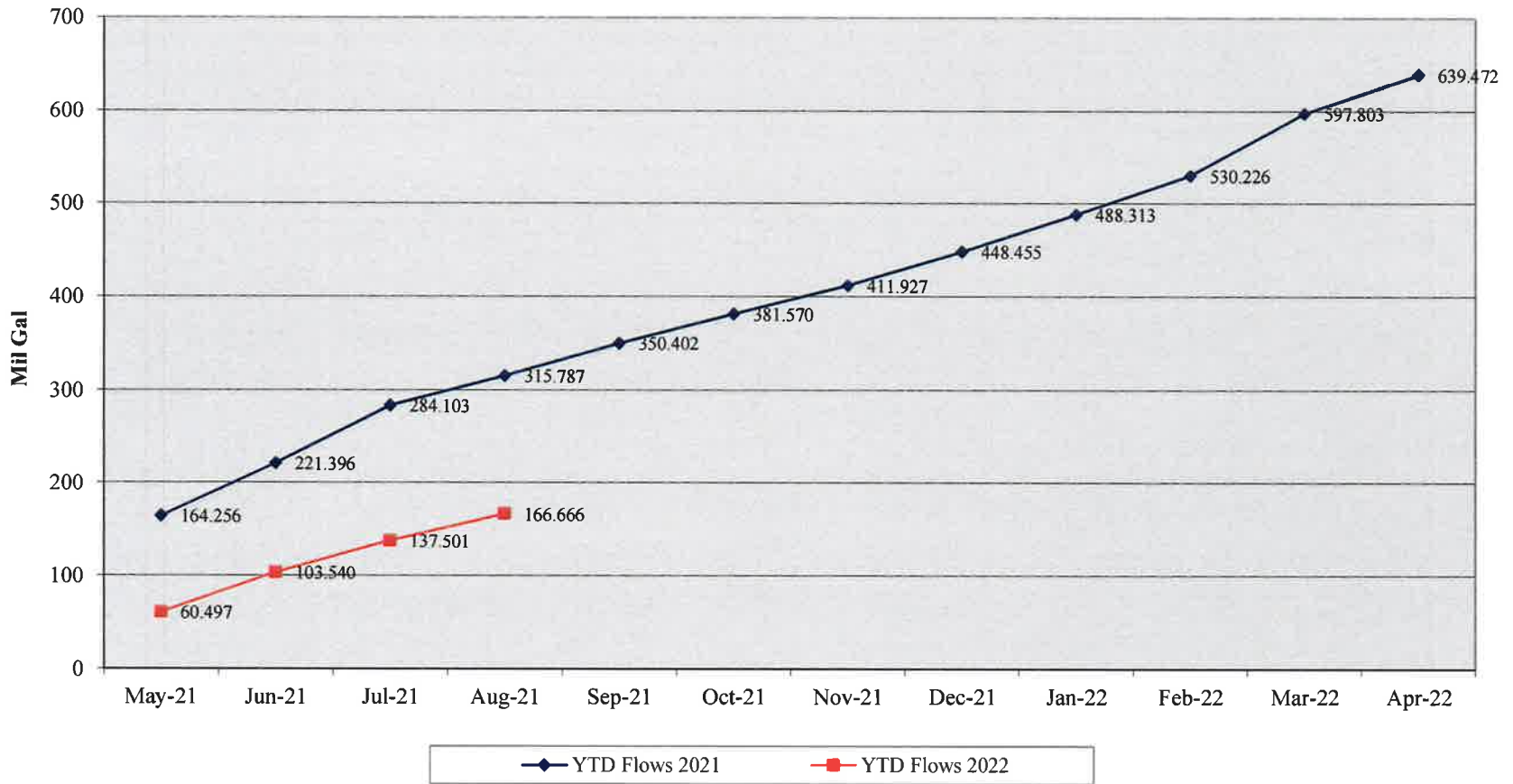
Kankakee River Metropolitan Agency
Village of Bradley
Actual % vs. Estimate FYE 4-30-22



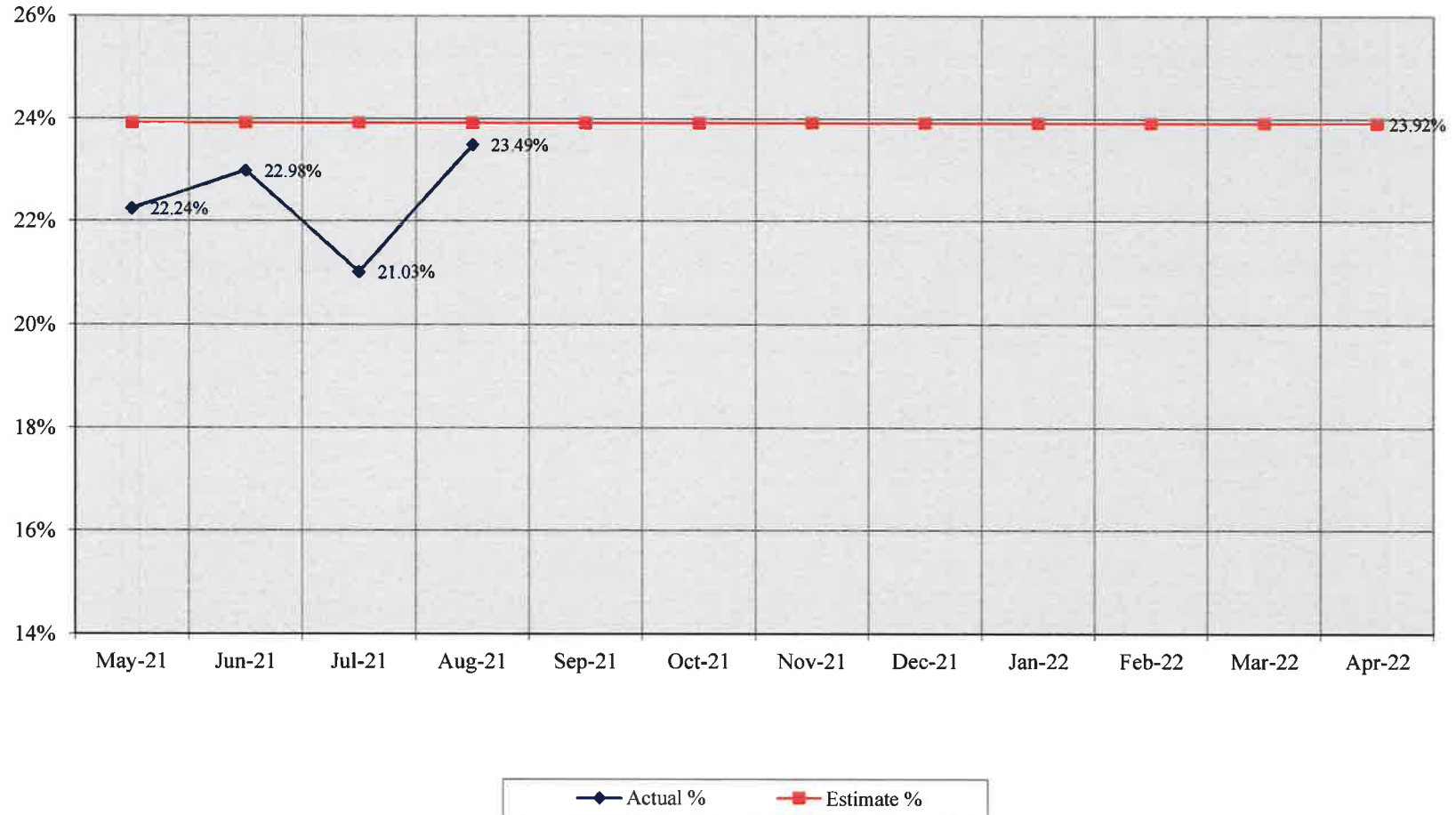
**Kankakee River Metropolitan Agency
Village of Bradley
Monthly % Flows 2021 vs. 2022**



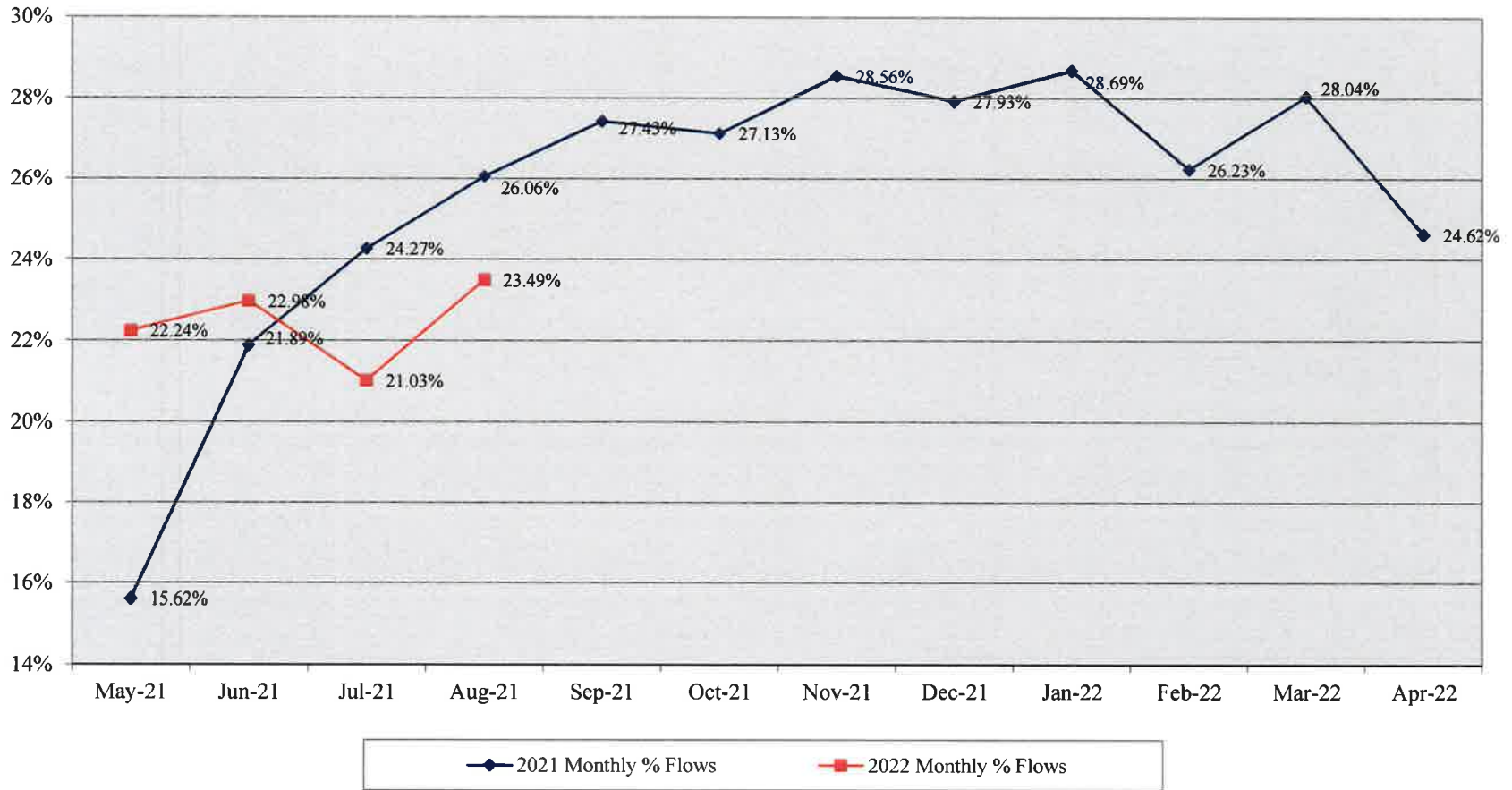
Kankakee River Metropolitan Agency
Village of Bradley
YTD Flows 2021 vs. 2022



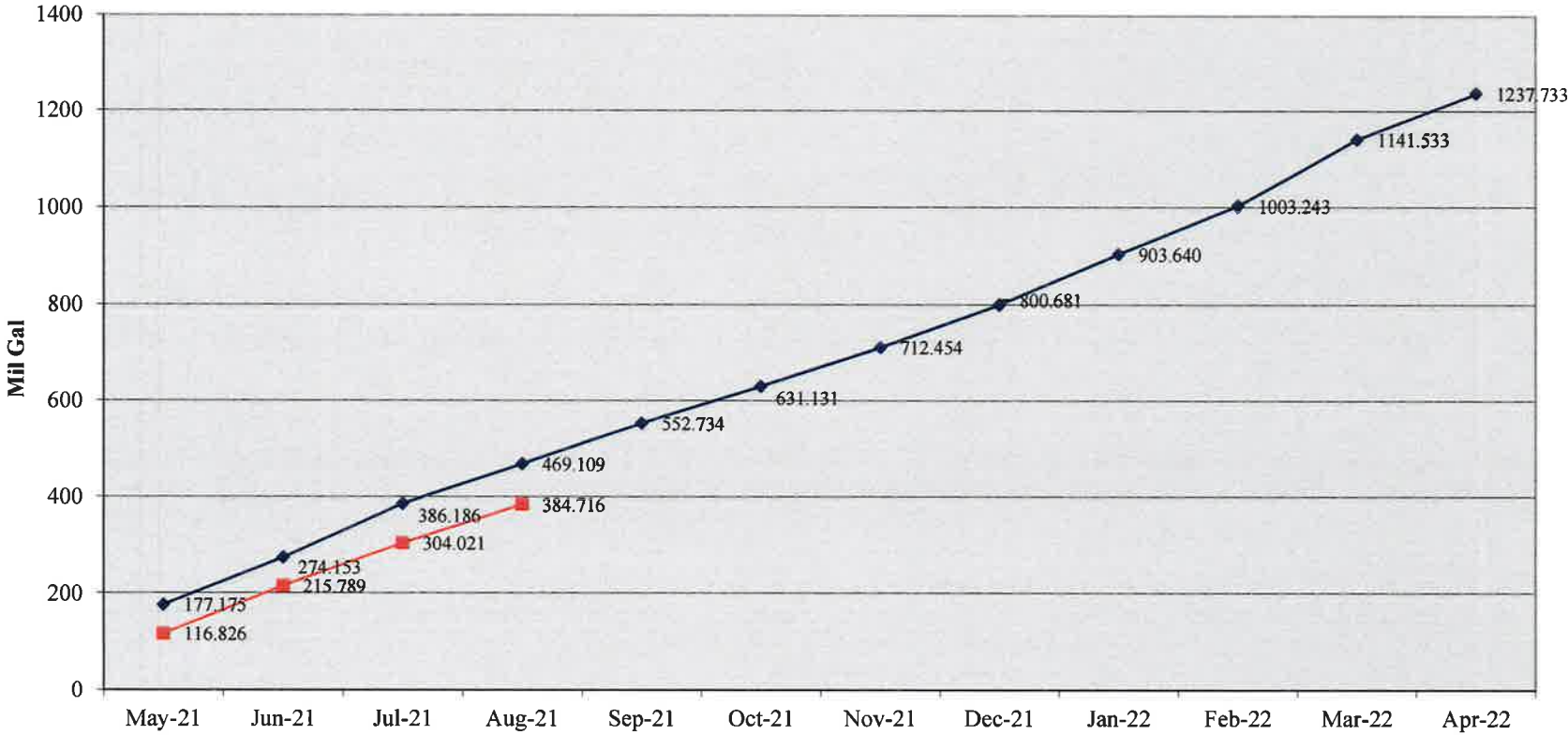
Kankakee River Metropolitan Agency
Village of Bourbonnais
Actual % vs. Estimate FYE 4-30-22



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

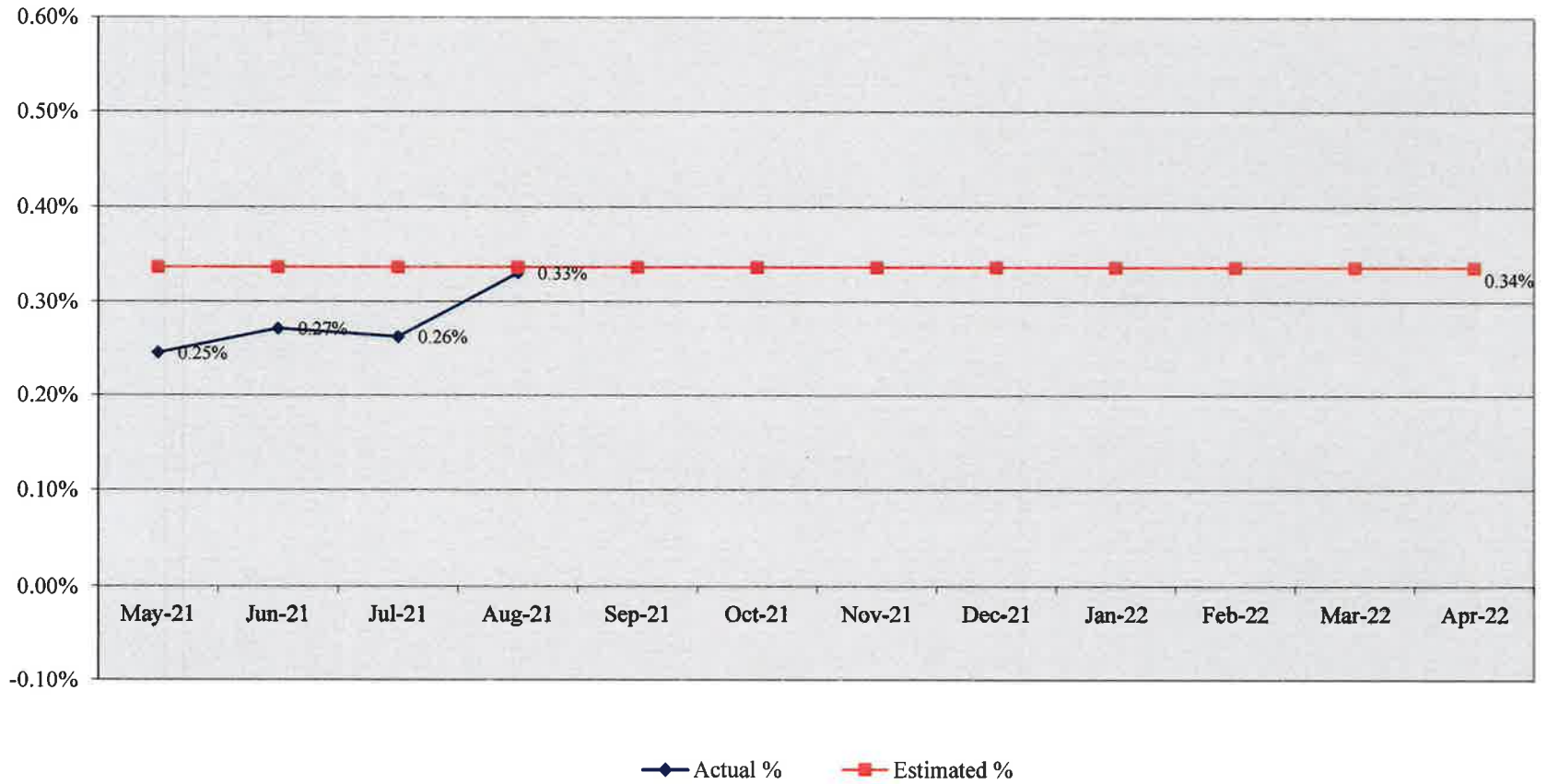


**Kankakee River Metropolitan Agency
Village of Bourbonnais
YTD Flows 2021 vs. 2022**

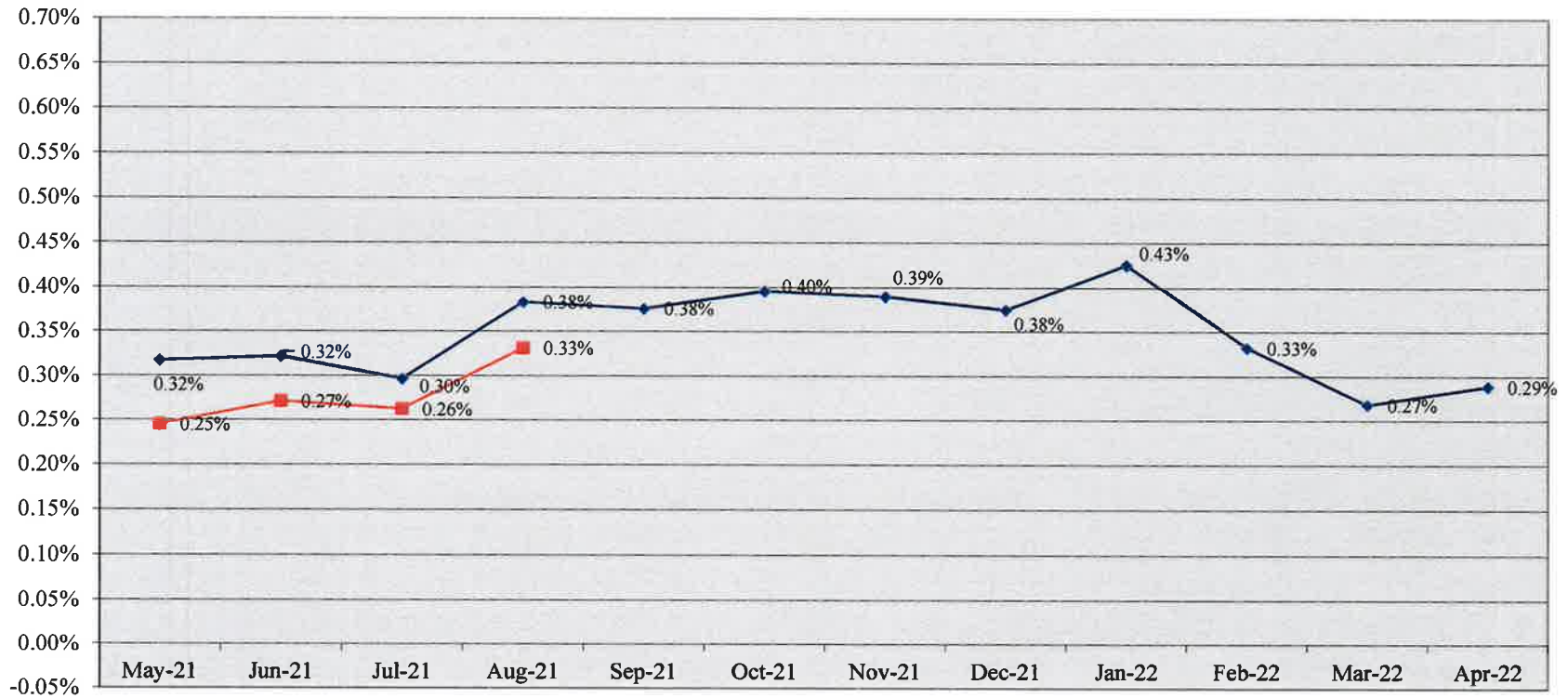


◆ YTD Flows 2021 ■ YTD Flows 2022

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

