

AGENDA

KANKAKEE RIVER METROPOLITAN AGENCY MEETING

Tuesday, April 27, 2021 At 9AM

Location: REMOTE MEETING HELD VIA TELECONFERENCE/VIDEO CONFERENCE

On June 26, 2020, Governor Pritzker issued the fifth Gubernatorial Disaster Proclamation for all counties in the State of Illinois. Due to the COVID-19 health pandemic, Chair Chasity Wells-Armstrong has determined that an in-person meeting is not practical or prudent. As permitted by Public Act 101-0640, this meeting will be held without the physical presence of a quorum at the meeting location.

Directors, staff, participants and the public may attend by phone or video conference using the following:

<https://www.gotomeeting.com>

or dial 1 (872) 240-3212 when prompted enter conference PIN Access Code: 318-571-101

The public will be offered an opportunity to speak during the public comment portion per the agenda below.

I. Roll Call

II. Public Comment

III. Approval of Board Minutes

A. March 23, 2021 – Regular Board Meeting

IV. Reports

A. Operations & Maintenance Report

1. Monthly Report

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

1. FOIA Request

V. Old Business

A. Blowers Update

B. Republic Service Update

C. E-Waste Update

E. CSL Update

VI. New Business

A. BID Results

B. Agreement with Champion Electric Supplier

C. Exempt Employees

I. Executive Session

A. Personnel & Probable or Imminent Litigation

VII. Next Meeting

Tuesday, May 25, 2021 (9:00 A.M. via www.gotomeeting.com)

KANKAKEE RIVER METROPOLITAN AGENCY
MINUTES
March 23, 2021 – 9:00 A.M

On June 26, 2020, Governor Pritzker issued the fifth Gubernatorial Disaster Proclamation for all counties in the State of Illinois. Due to the COVID-19 health pandemic, Chair Chasity Wells-Armstrong has determined that an in-person meeting is not practical or prudent. As permitted by Public Act 101-0640, this meeting will be held without the physical presence of a quorum at the meeting location.

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In attendance:

Location: REMOTE MEETING HELD VIA TELECONFERENCE/VIDEO CONFERENCE

Board of Directors:

Mayor Chasity Wells-Armstrong, City of Kankakee
Mayor Paul Schore, Village of Bourbonnais
Mayor Brian Stump, Village of Aroma Park
Financial Director Robert Romo, Village of Bradley
Alderman Carl Brown, City of Kankakee
Elizabeth Kubal, Representative, City of Kankakee
Marc Wakat, 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

Chairperson Mayor Wells-Armstrong called the meeting to order.

I. Roll Call

Roll Call was taken. All Board members were present except for Dir Marc Wakat via gotomeeting.com.

II. Public Comment

None

III. Approval of Board Minutes

A. **February 23, 2021 – Regular Board Meeting** – Motion to approve the February 23, 2021 Regular Board Meeting minutes was made by: Dir. Kubal and seconded by Dir Brown. Dir Schore, Dir Stump, Dir Brown, Dir Kubal, Chairperson Wells-Armstrong voted in favor and Dir Romo voted abstained. Motion Carries.

IV. Reports

A. Operations & Maintenance Report

1. Monthly Report

Art presented the Monthly Operations Report (MOR). He informed the board members to look at the last 4 pages in Attachment A. Art stated, these 4 pages will allow you to track the plant month by month, displaying how the plant is doing. KRMA had a couple excursions with ammonia (NH3-N). This is a situation KRMA will have until KRMA can figure out which way to go with the upgrade. Dir Schore asked about the calibration on the Village of Bourbonnais meter, stating they were nearly half an inch off. Dustin responded, stating that it varies month to month depending on where the target is located, it's difficult to get it totally right. Therefore, we went with ISC's recommendation and recording the levels. Dir Schore stated he doesn't like that method because it causes Bour. flows to run high for the month.

B. **Executive Director Report**

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

Exec. Dir. Dave Tyson presented the monthly utility sheets. Exec Dir Tyson stated everything looks good for this month. The water usage is down, however, the electric bill is a little higher due to generator being down. They are awaiting parts to be shipped on April 22, 2021. Therefore, there will be another month where electric bill will be higher than usual.

2. **Hauled In Waste Summary**

Exec. Dir. Tyson stated hauled in waste is staying consistent.

3. **Operations Report**

Exec Dir Dave Tyson stated we received bids for chemical, domestic, grounds keeping, and housekeeping. We will have the bids results for next month's meeting.

Director Wakat joined the board meeting.

C. **Financial Report**

1. **Reports**

Karen Benson presented the financial report stating the Statement of Net Position continues to have a strong cash balance. Payable balance is down, bills are getting processed faster. Under the Statement of Revenues and Expenses, utilities are running slightly higher than budgeted; however, we have some under budget as well. Looking at fiscal year to date, we are well above our budget for the 2021-year end.

2. **Hauled In Waste Report**

Karen stated hauled in waste continues to stay high, which is helpful.

3. **Flows Graphs**

Karen Benson presented the flow graphs stating actual year to date flows for Bradley was estimated at 13.22% however, they are running a little lower than 12.26% and Bourbonnais's estimated at 22.09% and they actual flow is averaging 23.38%. Dir Kubal stated that the City of Kankakee flows have also been running lower and will this be reflected in the budget? Karen stated yes.

D. **Communications**

1. **FOIA Request**

Exec Dir Tyson stated that KRMA received a FOIA request, and he would just like to keep the Board aware and updated per any request. Chairperson Wells-Armstrong stated board members do not have to put in a FOIA request, you can just ask for the information.

V. **Old Business**

A. **Blowers Update**

Exec Dir Tyson stated everything is moving along smoothly. Atlas Copco asked for a two-week extension due to the snow and ice they had in Houston TX for delivery. Dan stated we have monthly progress meetings with Atlas Copco. Two blowers should be arriving, and the first blower will be installed this week. Atlas Copco is scheduled to complete all four blowers by the end of July.

B. **Capacity Analysis**

Exec Dir Tyson stated Dan Small with Strand Associates, set up forms for us to sign for the nominations for Water Pollution Control Loan Program. Those forms have been signed and submitted, therefore, KRMA will be eligible to get low interest loan rates with IEPA if needed.

C. **Republic Service Update**

Exec Dir Tyson stated KRMA management, Chairperson Wells-Armstrong, Vice Chairmen Schore, and himself were in attendance in a meeting with Republic Services to go over the future arrangements with KRMA. Dave stated Republic Services feels that their request for the "Deep Well" permit with IEPA will be approved by the second quarter of next year. Once they get approved, their leachate will be reduced. Therefore, if that permit gets approved, that will greatly reduce the impact on our plant capacity and financials. However, they still looking for a long-term agreement with KRMA to be backup or partner with, where they can bring their leachate. Republic Services agreed to give KRMA a projection of how many gallons they believe will be delivered. Once KRMA receives this projection, KRMA can refine the first agreement that was given to Republic Services that will be beneficial for both parties. By next board meeting, KRMA should have a recommendation how we should start moving forward with expansion after determining if we should continue to take or stop taking leachate. Chairperson Wells-Armstrong emphasize that Republic Services stated they only bring about 10% of their leachate to KRMA. She also invited Republic Services to attend the meeting next month so they can answer any question KRMA members may have. Dir Schore stated we also need to take a hard look at what's going to be coming to KRMA in the future. KRMA needs to meet

with CSL to find out their timelines and abilities concerning their pretreatment plant before there's a decision on expansion. Dir Wakat wanted to state for the record that his concerns have been about the percentage of loadings on our plant, not about the percentage of leachate we are receiving from Republic Services. Art stated, the hardest thing is treating wastewater and the fact that we have no control on what's sent to us, however, we are totally responsible for treating it. Therefore, having more space than less often works better, and we can work with the unknown. Art wants the KRMA board to be aware when making their decision to expand or not, the timeframe it takes to turn a plant around after we have been hit with an unknown. He also stated he would like to be proactive than not. Karen Benson also discussed the projected draft budget, displaying how the projected budget would look like with the projected plant expansion and "with the projected no hauled in waste". Dir Wakat stressed concerns about moderation. Dan Smalls stated we need to continue to look at this from a financial and capacity perspective for future potential risk and regulations. Art also stated that KRMA will continue to read, research, and become knowledgeable about any potential risk and new regulation that may come forth in the future, and be able to treat it within the regulated guidelines. Dir Schore stated we need to find out what other companies are charging and what CSL and Republic Services is are going to send us. Art stated we are working on those things.

D. **E-Waste Update**

Exec Dir Tyson stated he has been in contact with Ben Wilson and Chairman Wheeler with the Kankakee County. They stated they will reach out to the communities within the county with information and instruction concerning the e-waste by mid-April. Kankakee E-Waste site will be shut down once Belson Steel is up and running and taking all the e-waste. Exec Dir Tyson asked Dir Romo, when does Bradley intend to close their e-waste site or are they going to keep it open and deliver waste on their own to Belson's? Art also stated we need to know when Kankakee County is going to take over because KRMA pays Jack Cleaning Service to monitor those sites and Regency Technologies to pick up the e-waste. Exec Dir Tyson, answers, by the end of April 2021 we should be able to cancel the contracts with Jack's Cleaning Service and Regency Technologies.

E. **Designation of new Freedom of Information Officer**

Attorney Neal stated Tawonda Brown has been filling the role of FOIA officer and we want to designate her with the completion of online training within 30 days. Motion to designate Tawonda Brown as Freedom of Information Office under for FOIA Act was made by Dir Schore and second by Dir Stump. All board member voted in favor. Motion Carries.

VI. **New Business**

A. **Economic Alliance Invitation to Invest**

Exec Dir Tyson presented a letter from the Economic Alliance in requesting a contribution from KRMA regarding their logistic of work with employers within the municipalities, and new businesses that comes in town. Chairperson Wells-Armstrong stated in the past each municipality has contributed individually. Exec Dir Tyson asked if he could respond to the request informing the Economic Alliance that each municipality within KRMA will make that decision to donate.

B. **CSL Permit to Construct**

Exec Dir Tyson stated KRMA received a letter from Steve Marion, Kankakee County Planning Dept, asking if we aware of CSL's construction that is being planned. KRMA responded with a letter informing Steve Marion that KRMA is aware of CSL's construction, and the discharge they are proposing will meet the BOD of KRMA's permit. This letter does not give them authorization to construct, CSL will need to get a IEPA permit and that permit needs to be sent to KRMA so that KRMA can sign off on it before the construction begins. Exec Dir Tyson also stated we are working to get a meeting with CSL Behring to discuss their final design, find out what they're going to send to KRMA, and when they plan to construct. He will let everybody know once a meeting date have been set. Art reiterates the purpose of the letter he sent to Steve Marion was to acknowledge that there have been a discussions regarding CSL plans to construct. Art stressed the importance of CSL needing to get a permit to construct from IEPA. Dan Small stated depending on the size of pretreatment to construct, however, they will still need that permit to discharge as well. Dir Kubal asked if they can be informed of the dates that this treatment process will change? Exec Dir Tyson answered yes, that's why we

are having this meeting so we can keep the KRMA Board updated with what's going on. Dir Kubal suggested annual meetings with our big industrial users.

C. **Preliminary Budget for Fiscal Year End April 30, 2022**

Karen Benson presented the preliminary budget for FYE April 30, 2022. Karen discussed the Administrative expenses, the operation & maintenance expense stating the union contract has a 2.5% increase. She stated some line items are higher due to the unknown, professional fees, construction, and e-waste. She also went over the amortization schedules. Dir Romo asked for a listing of all the salaries for the employees. Karen responded yes; she will get him a payroll summary. Dir Kubal asked, is KRMA going to acquire a million dollars additional surplus. Karen replied yes, explaining KRMA's bond set aside rate and debt service obligations in a current year in our net revenues. Dir Kubal asked, when are we hitting the top of the amortization schedules for the bonds. Karen replied, in 2022-year end to 2028-year end. Dir Romo asked about refinancing the 2017 bond for a lower interest rate. Karen replied, 2017 is when KRMA refinanced for the lower interest rate for the 2006 original bond which was completed in 2018. She also agreed to looking into refinance again. Karen also explained the long-term budget, the draft as is budget, and what the budget would look like without receiving revenue from hauled in waste.

Dir Brown left the board meeting

D. **Legislative Update**

Attorney Neal explained the Illinois Workers on Public Works Act, stating Illinois Department of Labor has determined that Illinois is in a period of high unemployment, therefore, this law is currently in effect and is requiring us to use 90% of residents on any public works projects. Attorney Neal also informed us of the proposed legislation, explaining proposed amendment to the Open Meeting Act, and the amendment to the Toward Immunity Act.

E. **Approval of SKDO Engagement Letter for accounting service Fiscal Year End April 30, 2022**

Karen Benson stated this is SKDO's annual service engagement letter. It doesn't have a set contract and there's no ending penalties. Motion to approve SKDO Engagement Letter for accounting Service Fiscal Year End April 30, 2022 was made by Dir Wakat and seconded by Dir Stump. All board members present voted in favor; Dir Brown absent. Motion Carries. Dir Romo made the comment that KRMA should start looking at an individual or internal accountant who has more of a plant accounting, cost accounting background who would work with management team.

F. **Consideration of employee/union grievance regarding employee termination for approval, denial, or resolution by agreement**

Motion to deny employee/union grievance and to direct the attorney to prepare written denial to be issued within 48 hours, was made by Dir Schore and seconded by Dir Kubal. All board member present voted in favor; Dir Brown absent. Motion Carries.

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. Wakat and seconded by: Dir. Kubal. Motion carried.

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

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

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

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

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

VIII. **Next Meeting**

Next Regular Board Meeting- **Tuesday, April 27, 2021 (9:00 A.M. via gotomeeting.com)**

Motion to Adjourn was made by: Dir. Schore and seconded by Dir. Stump. All board members present voted in favor, Dir Brown absent. Motion carried.

KRMA

Kankakee River Metropolitan Agency

Providing Wastewater Treatment to the Kankakee River Valley



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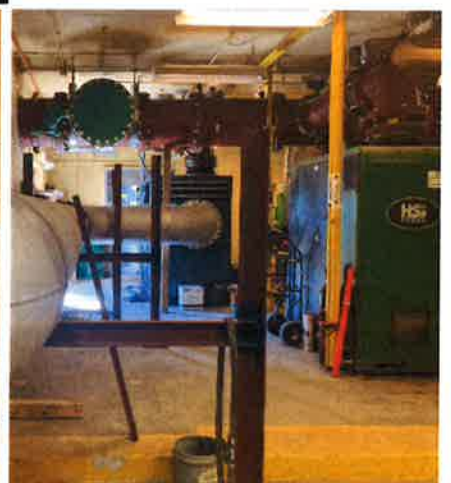
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**NEW
AERATION
BLOWER
#1**



**NEW
AERATION
BLOWER
#1**



Monthly Operations Report

March 2021

KRMA's MARCH HIGHLIGHTS:

The Illinois Environmental Protection Agency now requires class 1 and 2 certified operators to achieve 30 Continuing Education Units by July 1, 2022. Class 3 and 4 have until July 2021 to achieve 15 CEU's. The KRMA facility has provided their Operator specialists with programs to assist them. Also, the KRMA has purchased new up-to date workshop manuals for their use. The Continuing Education courses and up-to date workshop manuals will be beneficial with the enhancement of the O&M Specialists knowledge in performing their job.

Funding Nomination Form for the water pollution control loan program completed and filed. This form will allow the KRMA the ability to apply and receive funding for plant upgrade. The bidding procedure was completed, and results will be presented to the KRMA board members for approval at the April KRMA board meeting.

The installation of new aeration blowers in progress and should provide electrical power savings to the facility. The facility still performing at a high level thru this transition.

The month of March, the KRMA staff met all limits of the Illinois Environmental Protection Agency NPDES (National Pollutant Discharge Elimination System) permits, with exception of the ammonia nitrogen permit limits. There was one excursion of the daily ammonia limit due to installation of the new blowers.

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)	493.17	285.98	138.290	67.577	1.325
Daily Average Flow (MGD)	15.91	9.23	4.461	2.180	0.043

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	6 mg/l
Total Suspended Solids (TSS) - Monthly Average	25 mg/l	19 mg/l
PH	6-9 SU	7.44 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 March.
- There were no odor complaints registered at the East Gate site in March.

4.0 PERSONNEL

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

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:	1060
Hours of Scheduled Work Orders Performed:	778.82

6.0 SLUDGE HANDLING

Start Date: 03/01/2021
End Date: 03/30/2021

Gallons of sludge produced and sent to thickening:	3,255,321.00
Gallons of sludge put into storage after thickening:	1,089,600.00
Sludge removed from the plant for land application:	525,000.00
Sludge remaining in storage as of March 30th:	3,350,000.00

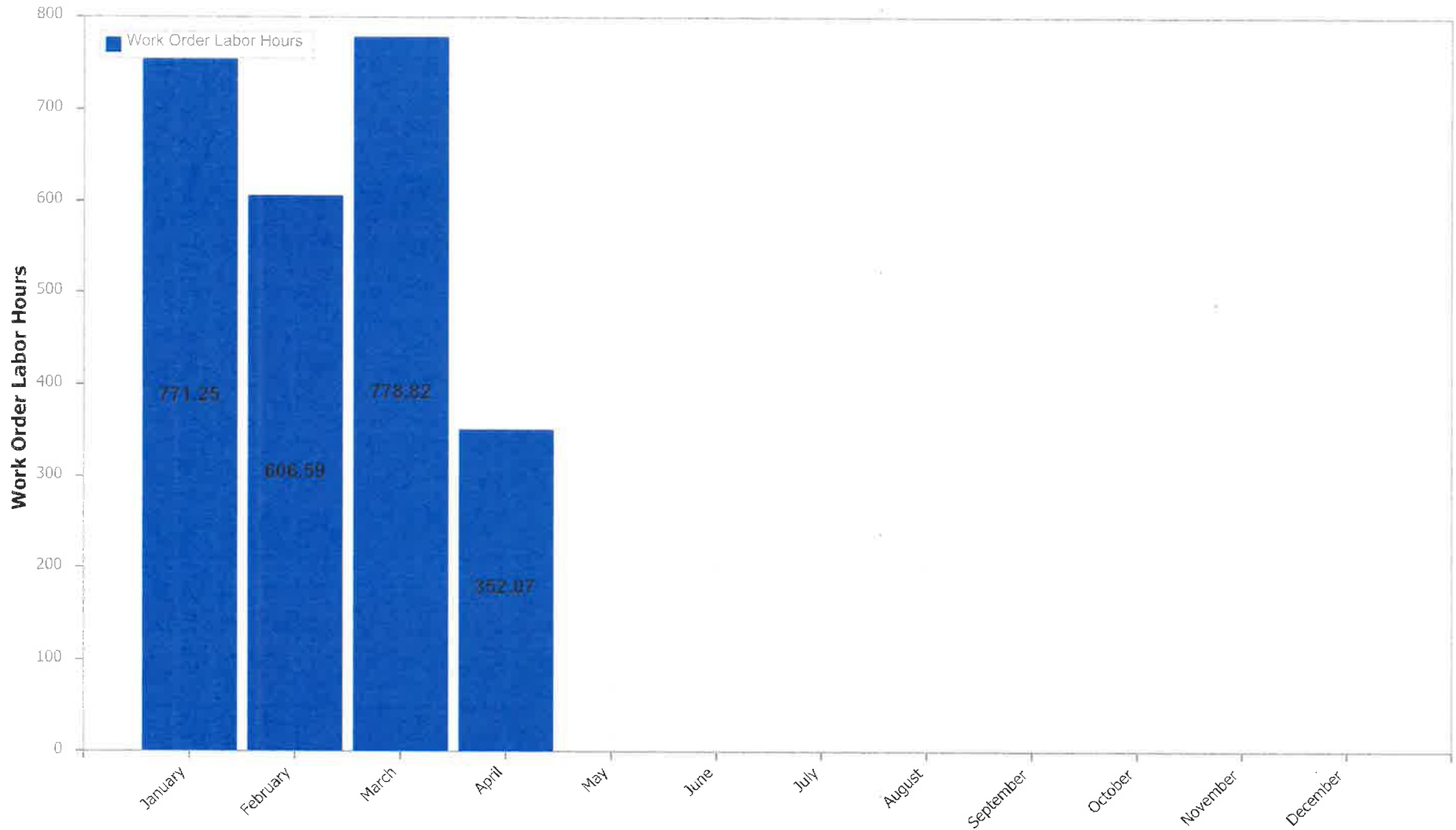
7.0 WATER USAGE

MARCH 2021 (27 DAYS): 22,726 CU FT= 170,000 GALS. = \$1704.78

NUMBER OF DAYS IN THE BILLING CYCLE: 27

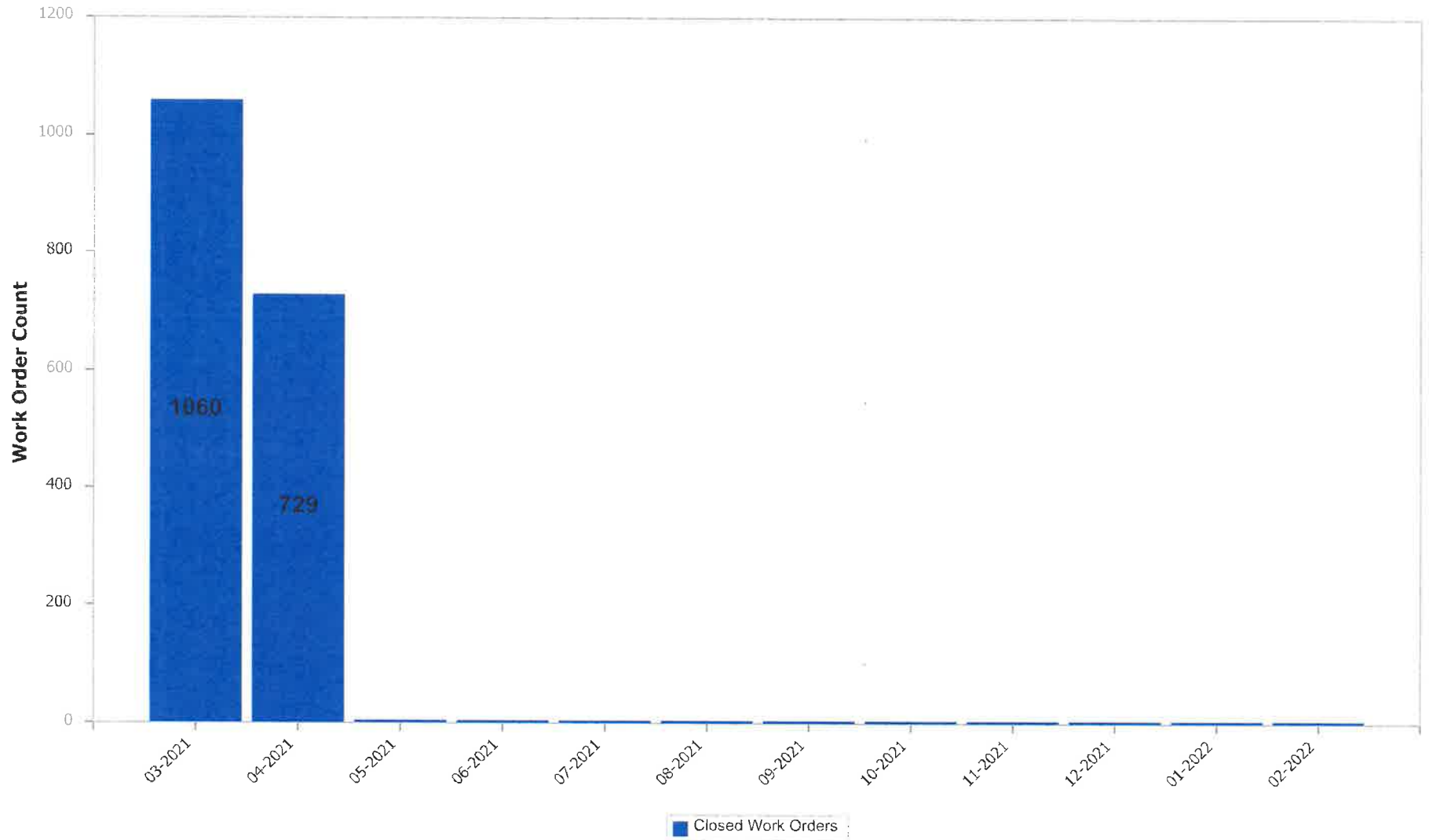
Work Order Labor Hours by Month

2021



Work Orders Closed By Month

From March, 2021 to February, 2022



ATTACHMENT

A

DMR Monthly Report

3/1/2021 to 3/31/2021

Var #	452	159	119	236	454	351	113	237	386
	EFF FLOW	001 Eff pH	FINAL EFF TSS	Weekly ave Eff TSS	EFF TSS	WeeklyAv eEffTSS	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
3/1/2021	23.868	7.25	12		2,389		6		1,194
3/2/2021	19.692	6.97	9		1,478		7		1,150
3/3/2021	18.167	7.15	15		2,273		6		909
3/4/2021	16.850	7.40	15		2,108		8		1,124
3/5/2021	15.770	7.50	5		658				
3/6/2021	14.841		6	14	743	2,604	5	8	619
3/7/2021	14.127		6		707		4		471
3/8/2021	13.985	7.65	8		933		5		583
3/9/2021	13.971	7.38	9		1,049		5		583
3/10/2021	13.677	7.56	10		1,141		5		570
3/11/2021	13.080	7.50	14		1,527		5		545
3/12/2021	12.703	7.48	12		1,271				
3/13/2021	12.461		9	10	935	1,080	4	5	416
3/14/2021	11.899		11		1,092		4		397
3/15/2021	13.253	7.61	16		1,768		7		774
3/16/2021	13.581	7.43	17		1,926		6		680
3/17/2021	13.711	7.38	16		1,830		7		800
3/18/2021	20.336	7.50	21		3,562		10		1,696
3/19/2021	20.790	7.37	5		867				
3/20/2021	17.942		6	13	898	1,706	3	6	449
3/21/2021	15.987		6		800		3		400
3/22/2021	15.201	7.55	13		1,648		5		634
3/23/2021	14.964	7.45	17		2,122		5		624
3/24/2021	14.455	7.45	18		2,170		4		482
3/25/2021	13.838	7.40	41		4,732		11		1,269
3/26/2021	18.880	7.55	29		4,566				
3/27/2021	19.269		34	23	5,464	3,072	9	6	1,446
3/28/2021	16.901		90		12,686		15		2,114
3/29/2021	17.266	7.60	30		4,320		6		864
3/30/2021	16.121	7.43	24		3,227		8		1,076
3/31/2021	15.582	7.45	54		7,018		11		1,429

Minimum	11.899	6.97	5	10	658	1,080	3	5	397
Maximum	23.868	7.65	90	23	12,686	3,072	15	8	2,114
Average	15.909	7.44	19	15	2,513	2,116	6	6	863
Sum	493.168	171.01	578	60	77,904	8,462	174	25	23,300

DMR Monthly Report

3/1/2021 to 3/31/2021

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	%
3/1/2021				23.87	154	30,655	48	9,555	96
3/2/2021				19.69	130	21,350	47	7,719	95
3/3/2021				18.17	184	27,878	68	10,303	97
3/4/2021				16.85	208	29,230	135	18,971	96
3/5/2021				15.77			54	7,102	
3/6/2021	1,473			14.84	189	23,393	146	18,071	97
3/7/2021				14.13	167	19,676	126	14,845	98
3/8/2021				13.99	231	26,943	172	20,061	98
3/9/2021				13.97	287	33,441	262	30,528	98
3/10/2021				13.68	210	23,954	94	10,722	98
3/11/2021				13.08	253	27,599	254	27,708	98
3/12/2021				12.70			244	25,850	
3/13/2021	528			12.46	160	16,628	152	15,797	98
3/14/2021				11.90	266	26,397	246	24,412	98
3/15/2021				13.25	38	4,200	250	27,633	82
3/16/2021				13.58	472	53,461	160	18,122	99
3/17/2021				13.71	229	26,186	96	10,978	97
3/18/2021				20.34	173	29,341	90	15,264	94
3/19/2021				20.79			125	21,674	
3/20/2021	799			17.94	86	12,869	51	7,631	97
3/21/2021				15.99	87	11,600	49	6,533	97
3/22/2021				15.20	241	30,553	227	28,778	98
3/23/2021				14.96	245	30,576	193	24,086	98
3/24/2021				14.46	245	29,536	272	32,791	98
3/25/2021				13.84	209	24,120	244	28,160	95
3/26/2021				18.88			246	38,735	
3/27/2021	809			19.27	138	22,177	142	22,820	93
3/28/2021				16.90	128	18,042	108	15,223	88
3/29/2021				17.27	208	29,952	126	18,144	97
3/30/2021				16.12	199	26,755	160	21,512	96
3/31/2021				15.58	233	30,279	72	9,357	95

Minimum	528			11.90	38	4,200	47	6,533	82
Maximum	1,473			23.87	472	53,461	272	38,735	99
Average	902			15.91	199	25,437	150	19,003	96
Sum	3,609			493.17	5,370	686,792	4,659	589,085	2,590

DMR Monthly Report

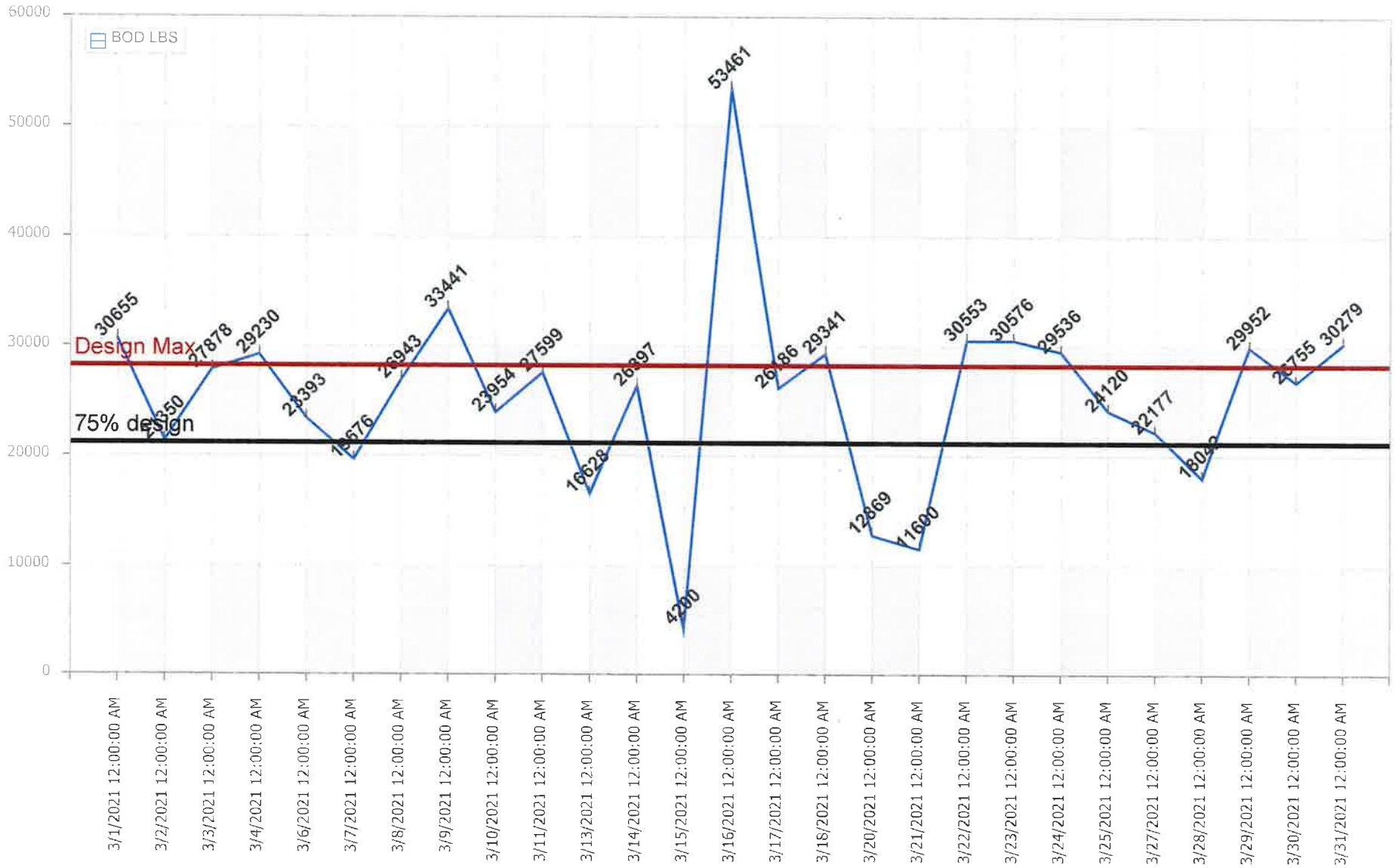
3/1/2021 to 3/31/2021

Var #	456	1040	1041	1042	1043	255	297	953	1023
Date	TSS REMOVAL %	North Effluent DO - SCADA mg/l	South Effluent DO - SCADA mg/l	Daily Average Effluent DO mg/l	Effluent DO weekly average mg/l	FINAL EFF NH3N mg/L	Eff Nitrogen # #/day	Eff_Total Phosphoru s- TP(TNT) mg/l	Effluent Total Nitrogen mg/l
3/1/2021	75	8.62	6.71	7.67		5.01	997.29	0.12	
3/2/2021	81	8.11	6.71	7.41		2.11	346.53	0.74	
3/3/2021	78	4.48	6.80	5.64		2.69	407.57	0.84	16.28
3/4/2021	89	8.65	8.84	8.75		1.79	251.55	1.01	
3/5/2021	91	8.30	8.43	8.37					
3/6/2021	96	8.65	8.72	8.69	7.81				
3/7/2021	95	9.33	9.38	9.36		0.06	6.63	0.46	
3/8/2021	95	8.90	8.94	8.92		8.33	971.57	1.18	
3/9/2021	97	8.42	8.46	8.44		5.72	666.48	0.88	16.90
3/10/2021	89	8.14	8.19	8.17		5.77	658.16	0.97	
3/11/2021	94	8.47	8.51	8.49		3.84	418.89	1.00	
3/12/2021	95	8.39	8.41	8.40					
3/13/2021	94	8.18	8.20	8.19	8.57				
3/14/2021	96	8.83	8.93	8.88		0.57	56.86	0.07	
3/15/2021	94	8.56	8.53	8.55		2.45	270.80		12.20
3/16/2021	89	8.57	8.60	8.59		3.22	364.72	1.09	
3/17/2021	83	8.42	8.42	8.42		5.24	599.19	0.75	
3/18/2021	77	8.12	8.21	8.17		7.52	1,275.41	0.29	
3/19/2021	96	8.51	8.55	8.53					
3/20/2021	88	9.16	9.14	9.15	8.61				
3/21/2021	88	9.25	9.23	9.24		0.05	6.67	0.51	
3/22/2021	94	8.68	8.65	8.67		0.78	98.89	0.93	
3/23/2021	91	8.04	8.09	8.07		3.71	463.01	1.30	
3/24/2021	93	8.41	8.37	8.39		1.82	219.41	1.47	14.28
3/25/2021	83	7.80	8.02	7.91		7.28	840.18	2.20	
3/26/2021	88	7.38	8.09	7.74					
3/27/2021	76	8.51	8.55	8.53	8.36				
3/28/2021	17	9.24	9.23	9.24		0.05	7.05	1.33	26.00
3/29/2021	76	8.62	8.67	8.65		0.97	139.39	2.30	
3/30/2021	85	7.77	8.15	7.96		2.62	352.26	2.20	
3/31/2021	25	7.42	8.33	7.88		2.43	315.79	1.01	

Minimum	17	4.48	6.71	5.64	7.81	0.05	6.63	0.07	12.20
Maximum	97	9.33	9.38	9.36	8.61	8.33	1,275.41	2.30	26.00
Average		8.32	8.39	8.36	8.34	3.22	423.23	1.03	17.13
Sum	2,609	257.93	260.06	259.00	33.35	74.03	9,734.28	22.63	85.66

KRMA influent BOD pounds

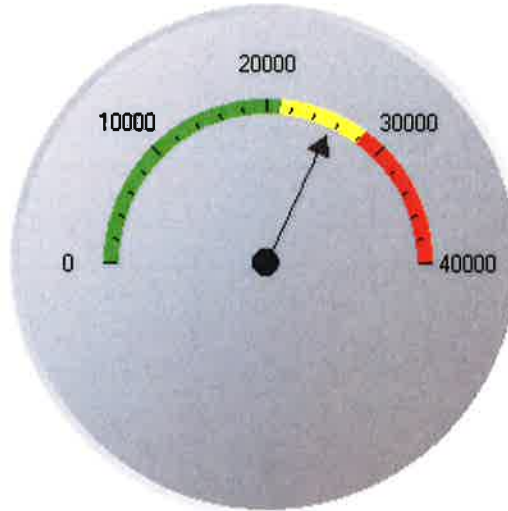
Average Lbs. BOD: 25,436.70



Influent BOD loading Lbs - Monthly AVG

25,437 Lbs./Day

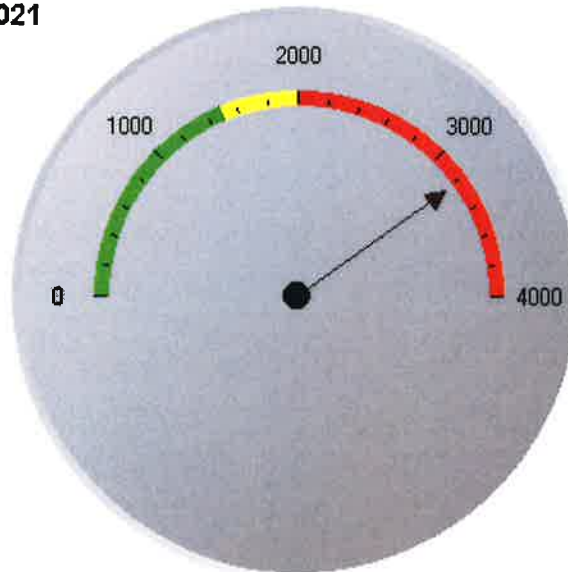
03/01/2021 - 03/31/2021



Influent NH3 loading Lbs - Monthly AVG

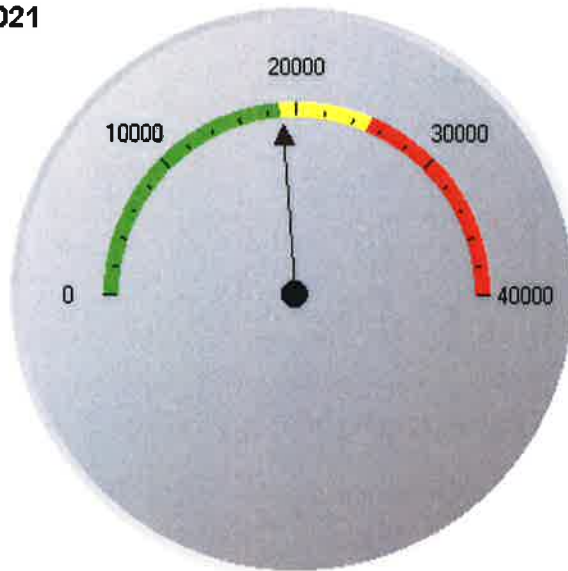
3,213 Lbs./Day

03/01/2021 - 03/31/2021



Influent TSS loading Lbs - Monthly AVG
03/01/2021 - 03/31/2021

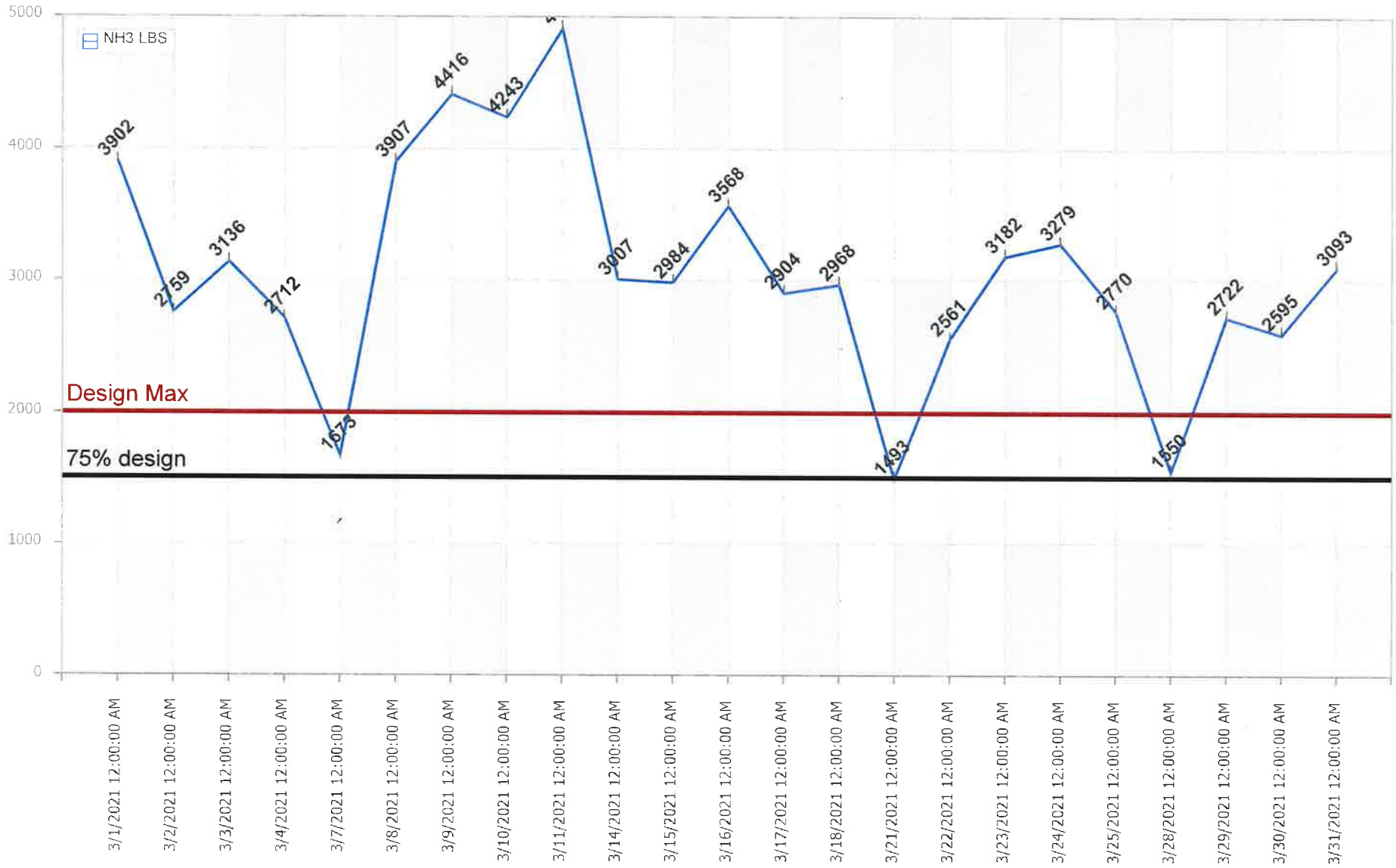
19,003 Lbs./Day



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

KRMA influent NH3 pounds

Average Lbs. NH3: 3,057.96



ATTACHMENT

B

Flows
KRMA Treatment Facility
March, 2021

Date	PRECIPITA INCHES	PLANT MGD	Kankakee MGD	BOURB. MGD	BradleyFlow MGD	AromaPark MGD
3/1/2021	0.00	23.87	13.02	7.468	3.341	0.036
3/2/2021	0.00	19.69	10.20	6.418	3.011	0.059
3/3/2021	0.00	18.17	9.86	5.416	2.839	0.051
3/4/2021	0.00	16.85	9.38	4.809	2.611	0.047
3/5/2021	0.00	15.77	8.71	4.472	2.539	0.046
3/6/2021	0.00	14.84	8.15	4.203	2.440	0.046
3/7/2021	0.00	14.13	7.75	4.042	2.286	0.046
3/8/2021	0.00	13.99	7.89	3.967	2.090	0.038
3/9/2021	0.00	13.97	8.11	3.833	1.984	0.040
3/10/2021	0.03	13.68	8.28	3.696	1.659	0.039
3/11/2021	0.00	13.08	8.18	3.557	1.304	0.044
3/12/2021	0.00	12.70	8.01	3.393	1.267	0.038
3/13/2021	0.00	12.46	7.79	3.367	1.263	0.038
3/14/2021	0.00	11.90	7.46	3.094	1.305	0.038
3/15/2021	0.48	13.25	8.19	3.547	1.476	0.038
3/16/2021	0.00	13.58	8.35	3.775	1.417	0.041
3/17/2021	0.54	13.71	7.92	3.816	1.931	0.044
3/18/2021	0.34	20.34	10.43	7.025	2.833	0.049
3/19/2021	0.00	20.79	12.60	5.577	2.566	0.049
3/20/2021	0.00	17.94	10.80	4.652	2.441	0.049
3/21/2021	0.00	15.99	9.37	4.223	2.343	0.049
3/22/2021	0.00	15.20	8.93	4.029	2.197	0.042
3/23/2021	0.03	14.96	9.13	3.781	2.013	0.039
3/24/2021	0.00	14.46	8.77	3.708	1.934	0.043
3/25/2021	0.73	13.84	8.19	3.522	2.079	0.045
3/26/2021	0.00	18.88	10.31	5.840	2.692	0.034
3/27/2021	0.00	19.27	11.78	4.981	2.471	0.034
3/28/2021	0.00	16.90	8.67	5.611	2.582	0.034
3/29/2021	0.00	17.27	10.26	4.543	2.419	0.045
3/30/2021	0.00	16.12	9.71	4.150	2.222	0.042
3/31/2021	0.00	15.58	9.74	3.775	2.022	0.042
Total	2.15	493.17	285.98	138.290	67.577	1.325
Average	0.07	15.91	9.23	4.461	2.180	0.043
Minimum	0.00	11.90	7.46	3.094	1.263	0.034
Maximum	0.73	23.87	13.02	7.468	3.341	0.059
# of data	31	31	31	31	31	31

ATTACHMENT

C



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

In attendance:

9:30am session:

Melanie Gossett, Facilitator

Dustin Scheppler	Shaun Ownbey	Dan Combs	Nick Scheppler
Bryan Kennedy	Max Gossett	Mike Arseneau	Andy Summers

1:30pm session:

Melanie Gossett, Facilitator

Jim Churney	Ron Haney	Brian Power	Josh Peters
Mike Gowler	John Lund	Nick Tucker	

Absent:

Jack Renchen, Shawn Malone

I. Safety Minutes

Reviewed minutes from February 11, 2021 – Approved.

II. Old Business

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

III. New Business

A. Safety Training

1. In preparation for the May 1st chlorination/dechlorination season, the Safety video *Respiratory Protection: The Facts* was presented.
2. A handout outlining the current Cl₂ & SO₂ procedure and protocol was given, followed by Q & A.
 - a. A question was asked about the frequency of changing the lead washers on the Cl₂/SO₂ tank.
 - ✓ Lead washers should be changed every time the tank valve closes if circumstances allow.

- b. When both Cl₂ contact tanks are online, the residual on one side can be lower than the other.
 - ✓ The low side must be 0.5mg/L or greater to get adequate disinfection.
- c. The new Cl₂ analyzers will be in tomorrow and should be commissioned soon.
- d. When checking the gas levels in building #85, note that SCADA is the correct reading at this time.

B. Safety Concerns

- 1. When will the new blowers be installed?

- ✓ The first blower should be in by the end of March 2021. Work is starting this week on building #45 to prepare for installation.

- 2. No other concerns mentioned.

C. Safety Team Report

Safety Team Leader responsibilities transferred from Shawn Malone to Josh Peters.

D. Open Discussion

- 1. A concern about the quality of the bottled water at KRMA was shared. This was followed by a discussion of other options and if recycling of plastic bottles could be initiated at KRMA.
- 2. All operators were reminded of the CEU requirement in regards to retaining their Wastewater license.

Next Meeting: **Thursday, April 8, 2021**
9:30am & 1:30pm



SAFETY MEETING
April 8, 2021
9:30am & 1:30pm
Agenda

I. Safety Minutes

Review minutes from March 2021

II. Old Business

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

III. New Business

A. Safety Training

The Chlorine Institute Safety Video

B. Safety Concerns

C. Safety Team Leader Report

D. Open Discussion

Next Meeting: Tuesday, May 4, 2021 9:30am & 1:30pm

ATTACHMENT

D

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: KANKAKEE/BROOKMONT

FLOW METER MODEL: ISCO Signature

INFLUENT April 5th, 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 24.212

LEVEL AFTER: 24.127"

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 4/5/2021

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: BRADLEY/ RIVER DRIVE

FLOW METER MODEL: Isco Signature

INFLUENT April 5th, 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 9.5" Level reading 9.72"

LEVEL AFTER: 9.489"

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: 4/5//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 April 5th, 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 12" As found 12.358"

LEVEL AFTER: 12.358" 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: 4/5/2021

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 April 5th, 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 40 MGD AS Found 40.55 MGD

LEVEL AFTER: 40.13 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: 4/5/2021

**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 April 5th, 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? Yes

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 24.058"
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: 4/5/2021

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 April 5th, 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 40.0 MGD As Found 40.12 MGD LEVEL AFTER: 40.12MGD

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: 4/5/2021

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 April 5th, 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 43.0" As found 43.283"

LEVEL AFTER: 43.283"

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: 4/5/2021

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

ATTACHMENT

E

March 2021 Monthly Pretreatment Sample Analysis (metals, cyanide & VOA) for the permitted industries were a total of **80 samples** and a total of **542 analyses**.

Gilster-Mary Lee Corporation	9 Samples
Hoffman Transportation, LLC	4 Samples
Kankakee Recycling & Disposal Facility	1 Sample
Liberty Landfill, LLC	14 Samples
Livingston Landfill	6 Samples
Natural Gas & Pipeline Co. of America	6 Samples
Newton County Landfill	13 Samples
Odyssey US LLC	6 Samples
Peoria Packing Co.	1 Sample
Prairie View RDF	4 Samples
Tank Cleaning Solutions, LLC	15 Samples
Zutat Feed Solutions	1 Sample

Volumes Received for March 2021 for trucked-in industries.

City of Momence/Momence Packing	0 gals	0 loads
Gilster-Mary Lee Corporation	109,000 gals	20 loads
Hoffman Transportation, LLC	25,000 gals	5 loads
Kankakee Recycling & Disposal Facility	7,000 gals	1 load
Lake County C&D Landfill	0 gals	0 loads
Laraway Recycling & Disposal Facility	0 gals	0 loads
Liberty 3 LFGTE Plant - Wabash Valley Power Alliance	0 gals	0 loads
Liberty Landfill, LLC	1,046,929 gals	158 loads
Livingston Landfill	202,053 gals	31 loads
Natural Gas & Pipeline Co. of America	115,000 gals	23 loads
Newton County Landfill	1,405,353 gals	219 loads
Odyssey US LLC	72,338 gals	13 loads
Peoria Packing Co.	3,500 gals	2 loads
Prairie View RDF	74,567 gals	12 loads
Tank Cleaning Solutions, LLC	244,479 gals	53 loads
Zutat Feed Solutions	36,000 gals	6 loads
Totals:	3,341,219 gals	543 loads

The KRMA Facility received a total of **187 loads** of septage which totalled **612,400 gallons** for the month of March 2021

KRMA YEARLY UTILITY USAGE - (2021)

	KRMA ELECTRIC ENERGY USE									KRMA WATER USE				
	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
JANUARY	923,110	34	\$ 58,146	\$ 1,710	-	0	923,110	1,131	\$ 0.0630	620,000	66	\$ 4,071	9,394	62
FEBRUARY	805,257	28	\$ 67,560	\$ 2,412			805,257	1,198	\$ 0.0839	250,000	28	\$ 2,165	8,929	77
MARCH	665,565	28	\$ 44,646	\$ 1,595			665,565	990	\$ 0.0671	170,000	27	\$ 1,705	6,296	63
APRIL														
MAY														
JUNE														
JULY														
AUGUST														
SEPTEMBER														
OCTOBER														
NOVEMBER														
DECEMBER														
TOTAL	2,393,932	90	\$ 170,352	\$ 1,893	0	0	2,393,932	1,108	\$ 0.0712	620,000	66	\$ 7,941	9,394	120
	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	44,638	31	\$ 16,871	1440	\$ 544
FEBRUARY	47,672	28	\$ 13,783	1703	492
MARCH					
APRIL					
MAY					
JUNE					
JULY					
AUGUST					
SEPTEMBER					
OCTOBER					
NOVEMBER					
DECEMBER					
TOTAL	92,310	59	\$ 30,654	1565	\$ 520
	Therms	Days	Total Cost \$/Billing Period	Therms/Day	Total Cost \$/day



Annual Load / Gallon Totals

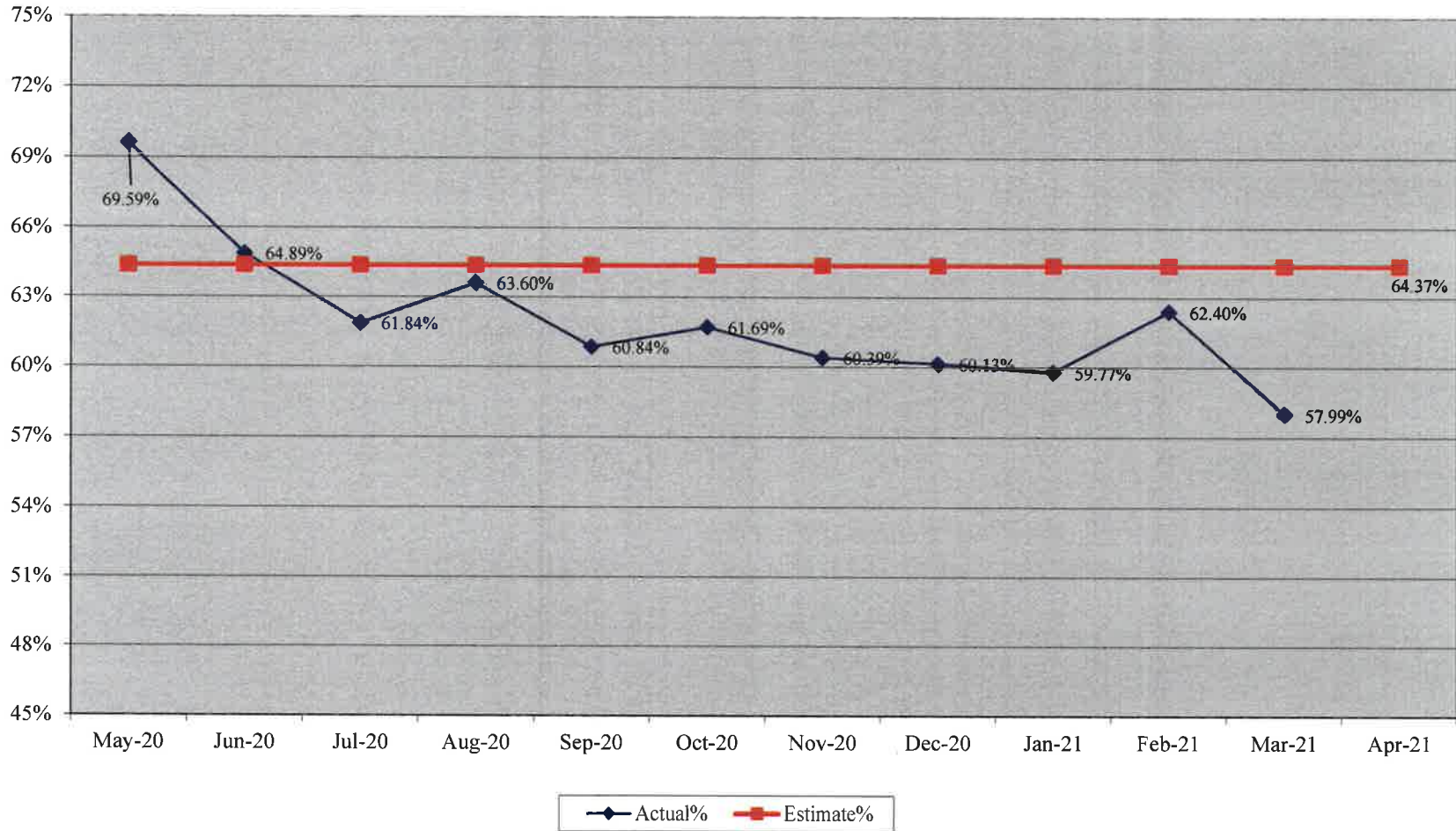
2021

Month Received	City of Mokense/Monmouth Packing	Gilster-Mary Lee Corporation	Hoffman Transportation, LLC	Kankakee Recycling & Disposal Facility	Lake County C&D Landfill	Laraway Recycling & Disposal Facility	Liberty 3 LFGTE Plant - Wabash Valley Power Alliance	Liberty Landfill, LLC	Livingston Landfill	Natural Gas & Pipeline Co. of America	Newton County Landfill	Peoria Packing Co.	Prairie View RDF	Solvay USA Inc.	Tank Cleaning Solutions, LLC	Zutal 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	507
February	168,000	61,000	15,000					1,387,606	166,784	30,000	913,999		25,925	42,563	200,029	18,000	3,028,926	482
March		109,000	25,000	7,000				1,046,929	202,053	115,000	1,405,353	3,500	74,567	72,338	244,479	36,000	3,341,219	543
April																		
May																		
June																		
July																		
August																		
September																		
October																		
November																		
December																		
Totals	306,200	250,000	50,000	7,000	57,287			3,347,199	623,877	195,000	3,650,897		195,924	187,115	624,980	77,000	9,575,979	1,532
Average	153,100	83,333	16,667	7,000	57,287			1,115,733	207,959	65,000	1,216,966		65,308	62,372	208,327	25,667	3,191,993	511
Treatment Costs as of 05/01/20	0.082	0.082	0.056	0.056	0.056	0.056	0	0.056	0.056	0.082	0.056	0.082	0.056	0.131	0.082	0.071		
Treatment Costs as of 05/01/19	0	0.071	0.049	0.049	0.049	0.049	0	0.049	0.049	0.071	0.042	0.071	0.049	0.114	0.071	0.071		

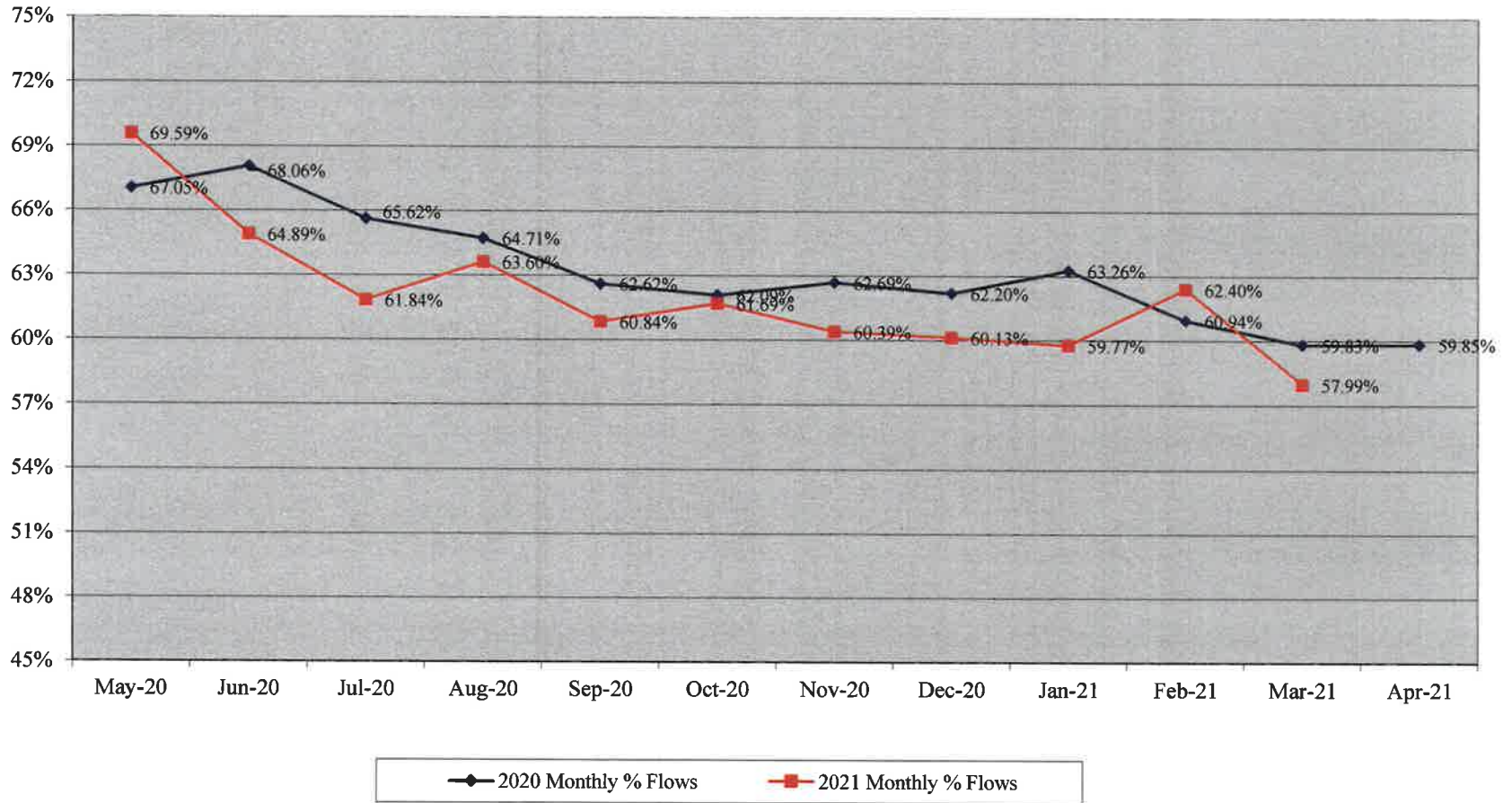
**Monthly TSS/BOD
 Loading Report**
 March, 2021

Hauler	Gallons	Lbs TSS	Lbs BOD
City of Mokena/Mokena Packing	0	0	0
Gilster-Mary Lee Corporation	109,000	4,231	6,739
Hoffman Transportation, LLC	25,000	13	930
Kankakee Recycling & Disposal Facility	7,000	6	33
Lake County C&D Landfill	0	0	0
Laraway Recycling & Disposal Facility	0	0	0
Liberty 3 LFGTE Plant - Wabash Valley Pow0		0	0
Liberty Landfill, LLC	1,046,929	1,761	16,910
Livingston Landfill	202,053	924	8,390
Natural Gas & Pipeline Co. of America	115,000	24	102
Newton County Landfill	1,405,353	10,666	153,862
Odyssey US LLC	72,338	0	0
Peoria Packing Co.	3,500	209	178
Prairie View RDF	74,567	220	1,634
Tank Cleaning Solutions, LLC	249,007	701	6,590
Zutat Feed Solutions	36,000	2,388	2,321
Totals: 3,345,747		21,143	197,689

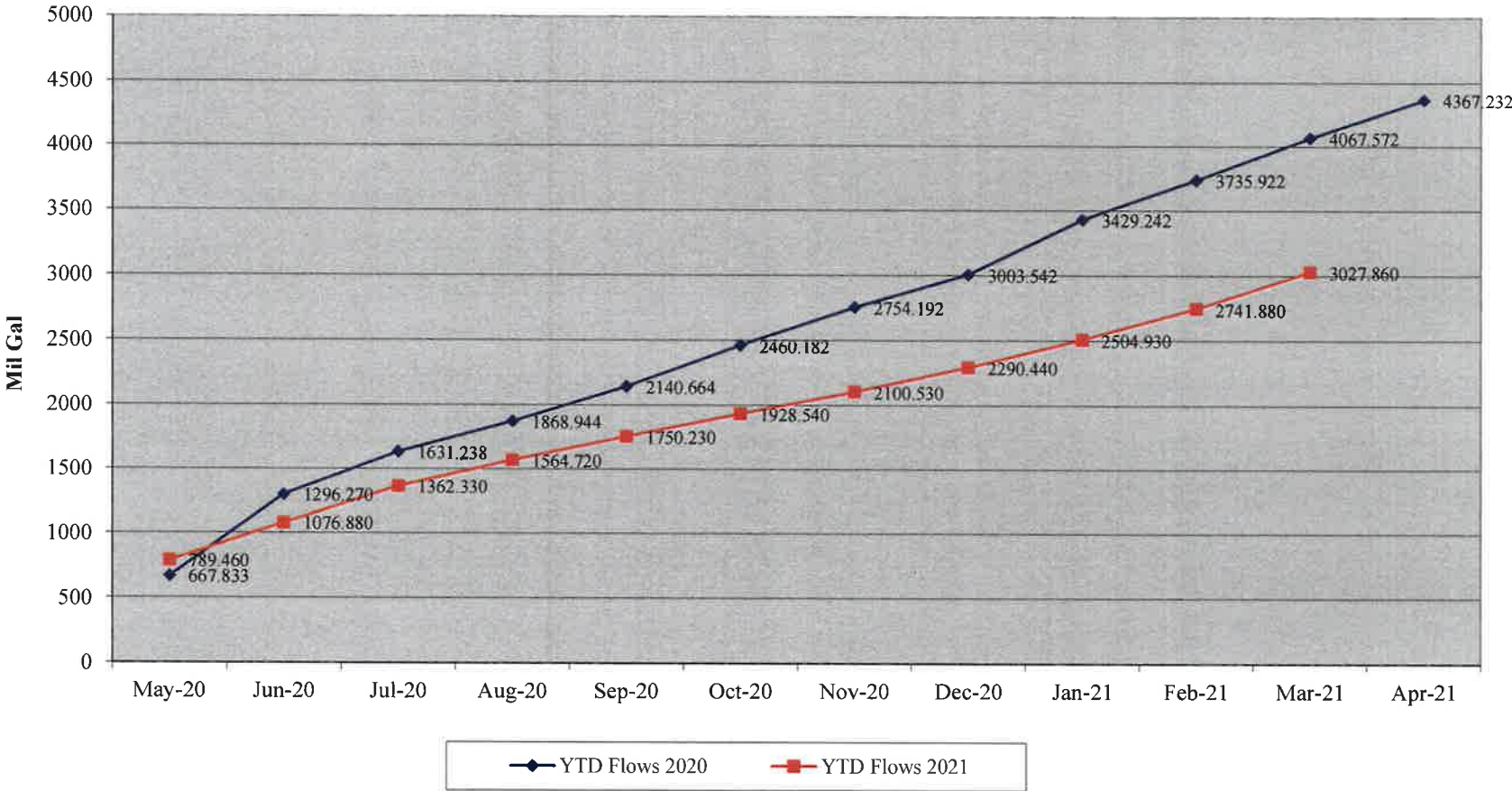
Kankakee River Metropolitan Agency City of Kankakee Actual % vs. Estimate FYE 4-30-21



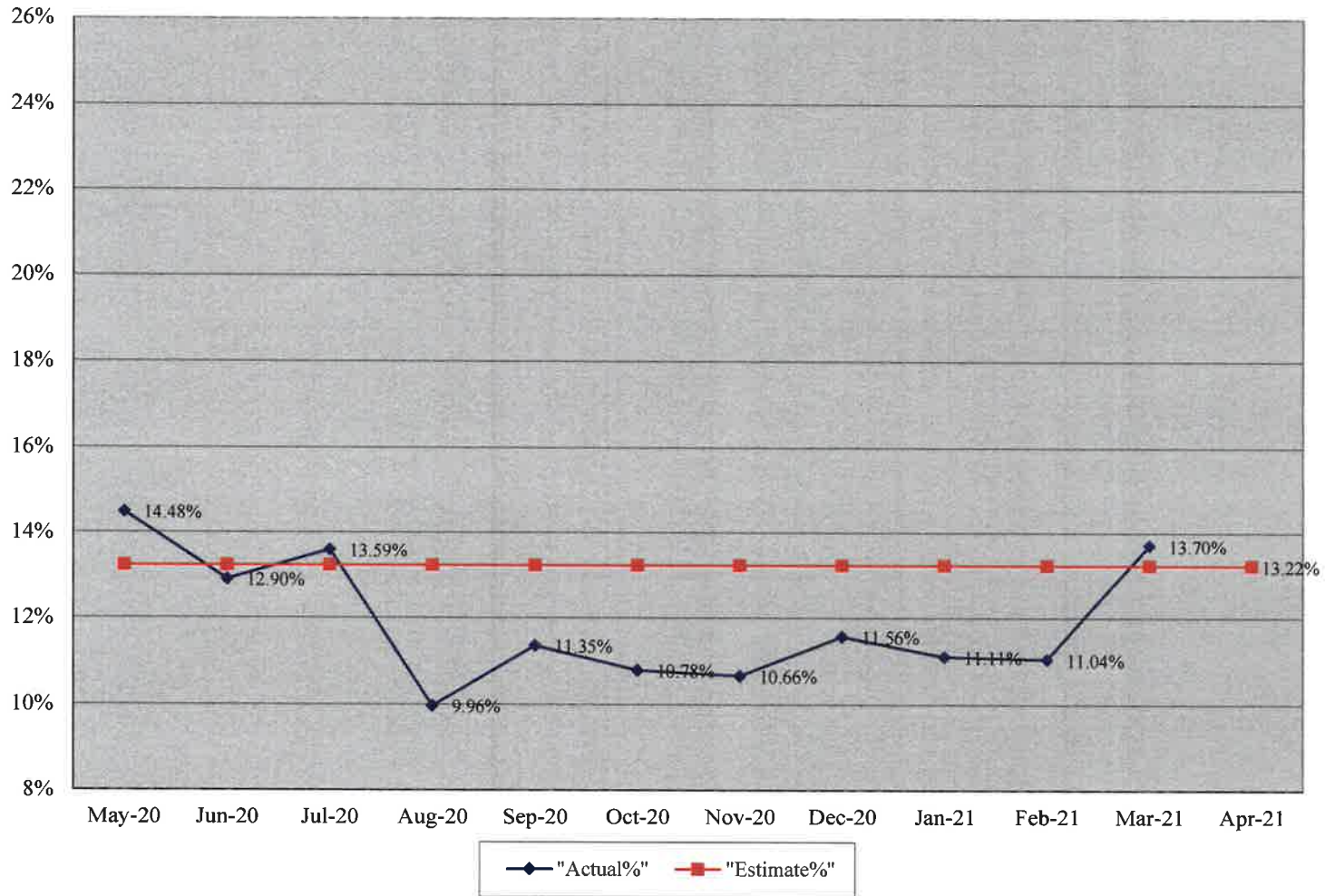
Kankakee River Metropolitan Agency
City of Kankakee
Monthly % Flows - 2020 vs. 2021



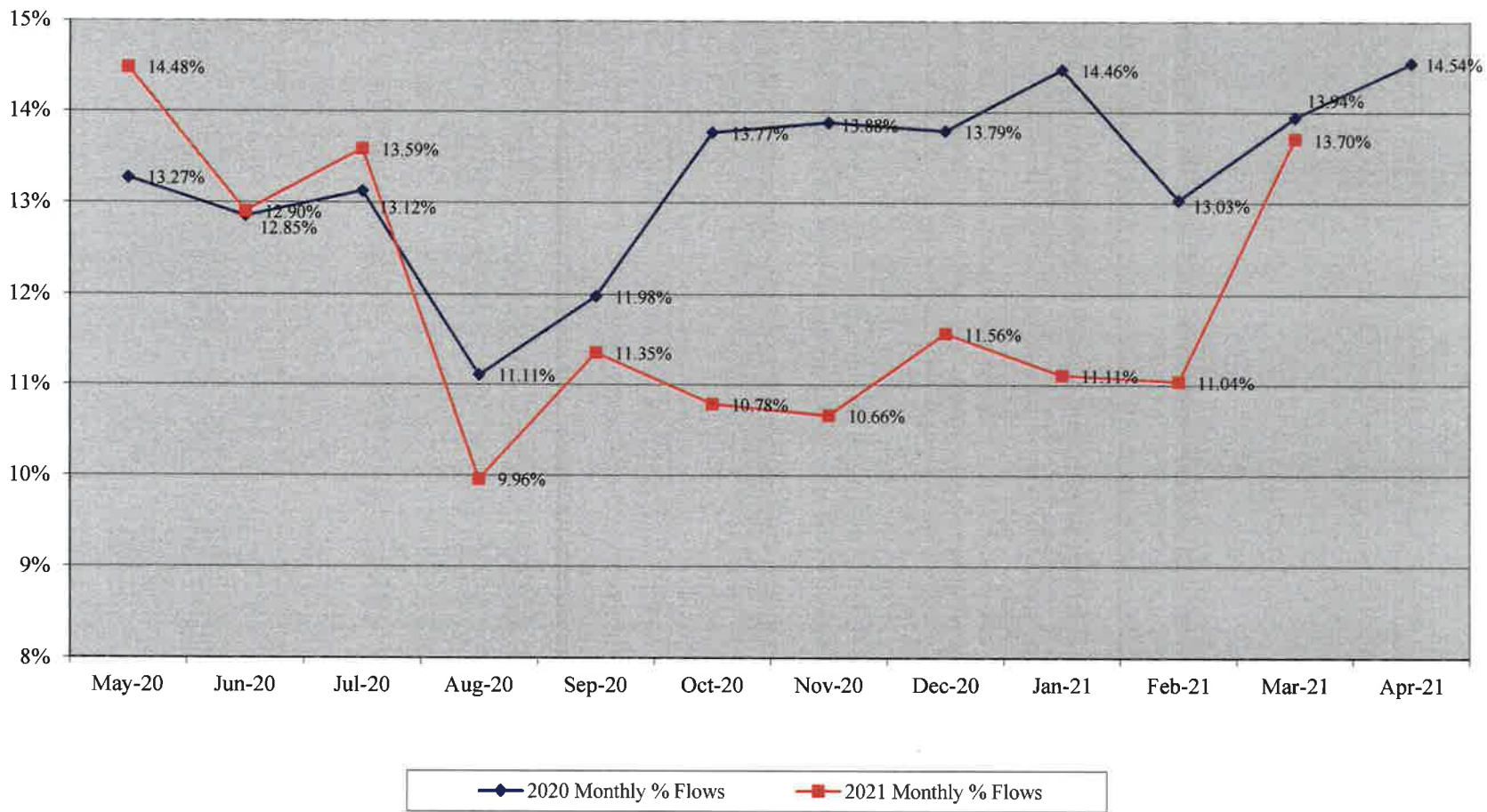
Kankakee River Metropolitan Agency
City of Kankakee
YTD Flows 2020 vs. 2021



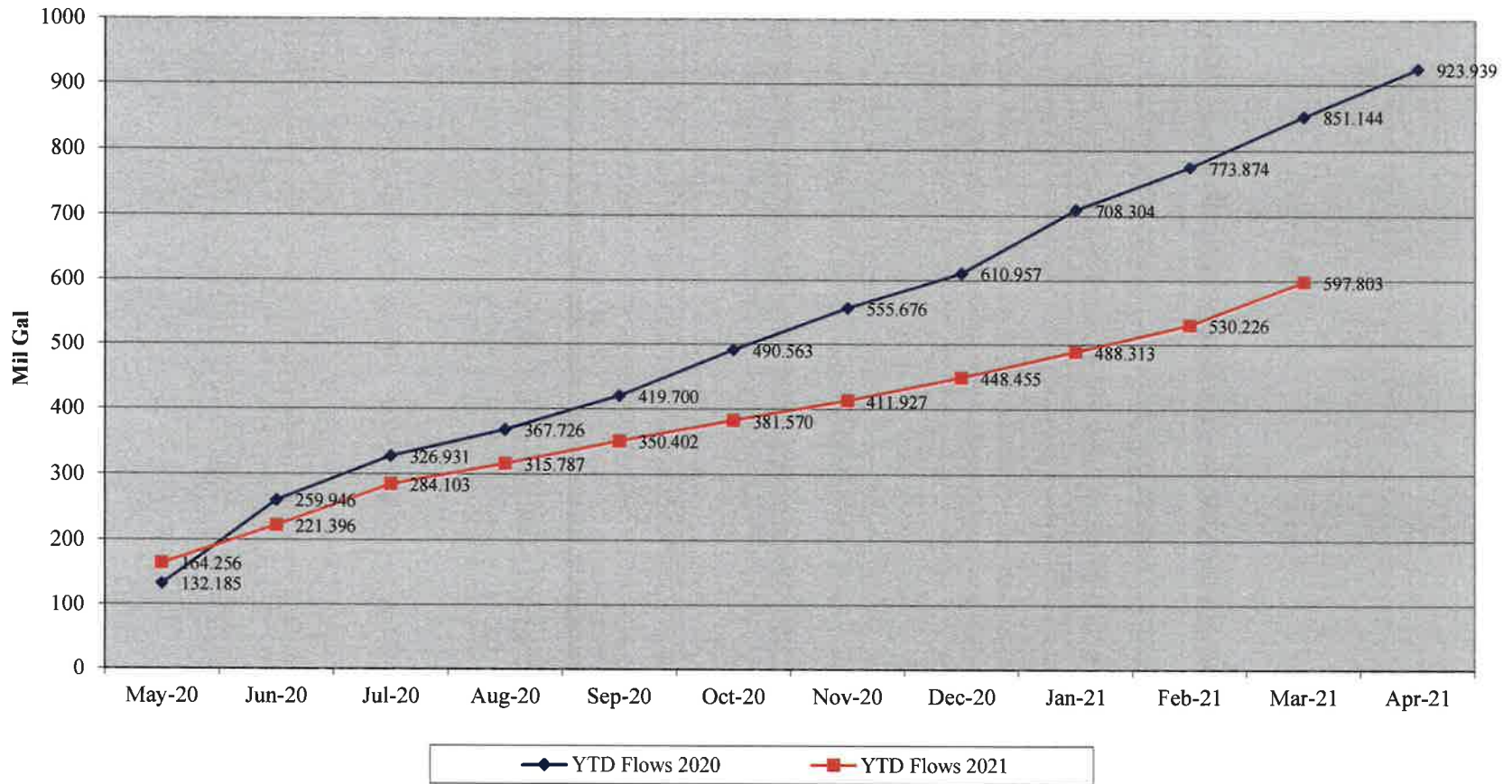
Kankakee River Metropolitan Agency
Village of Bradley
Actual % vs. Estimate FYE 4-30-21



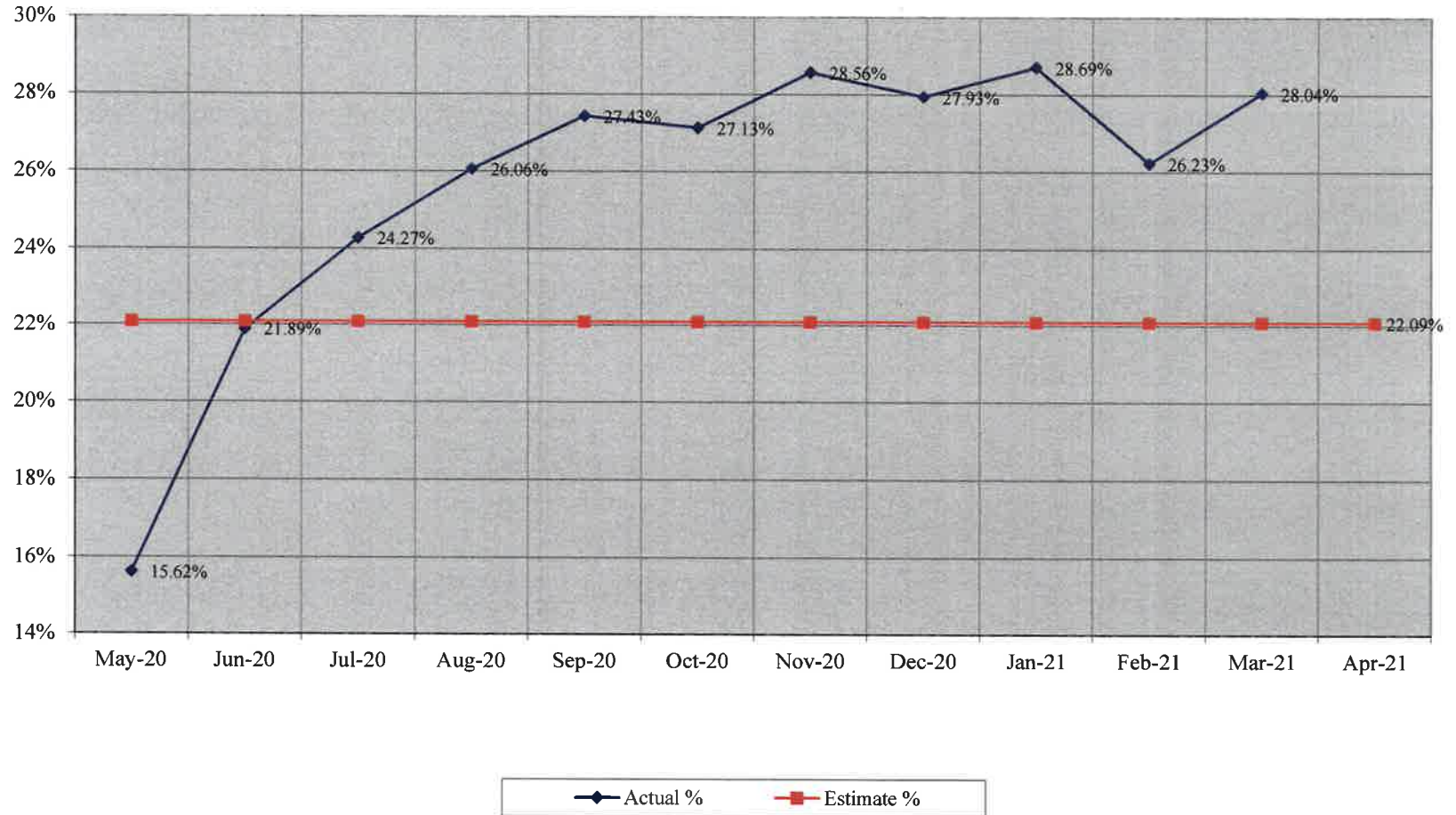
Kankakee River Metropolitan Agency Village of Bradley Monthly % Flows 2020 vs. 2021



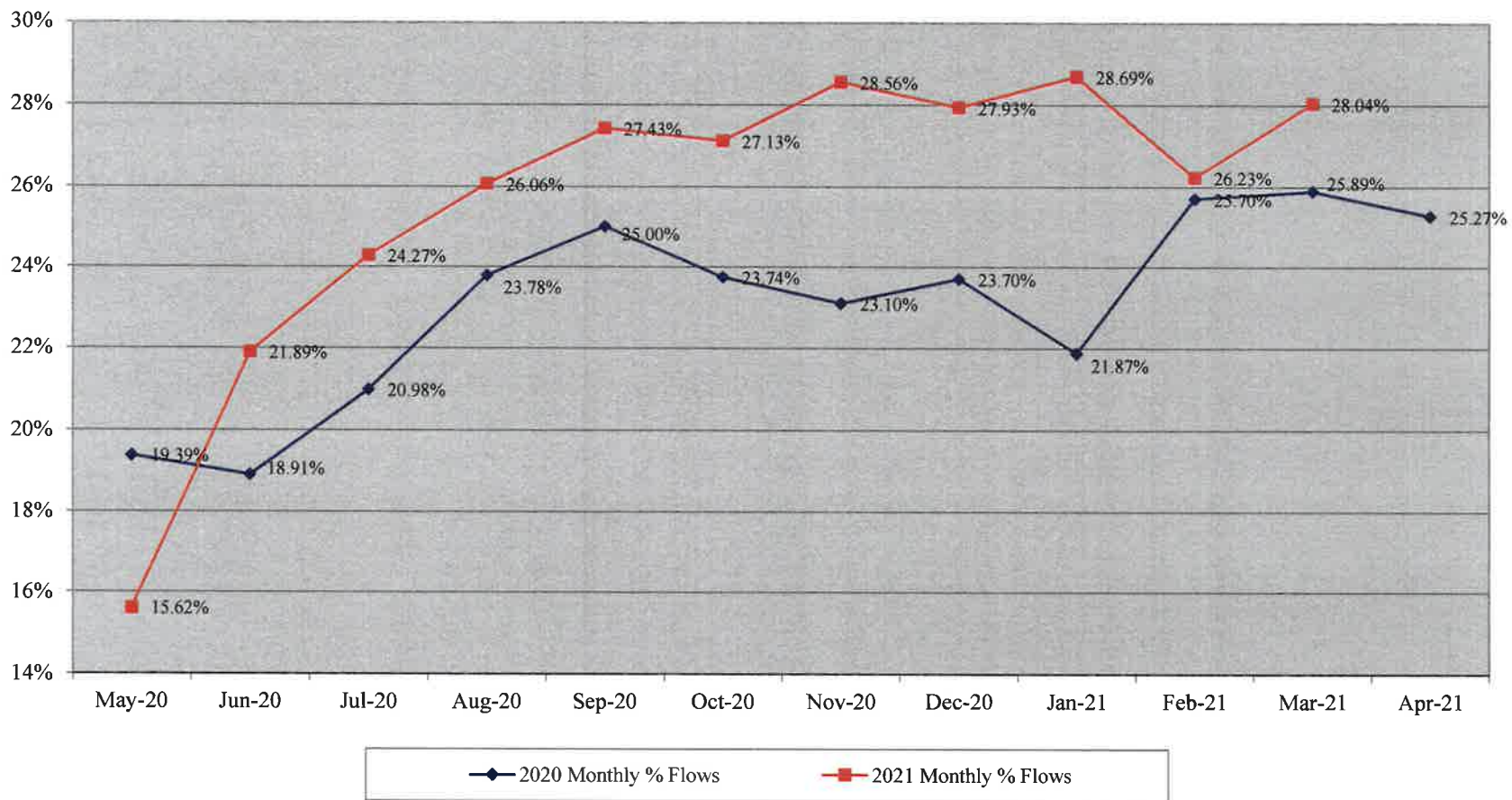
Kankakee River Metropolitan Agency Village of Bradley YTD Flows 2020 vs. 2021



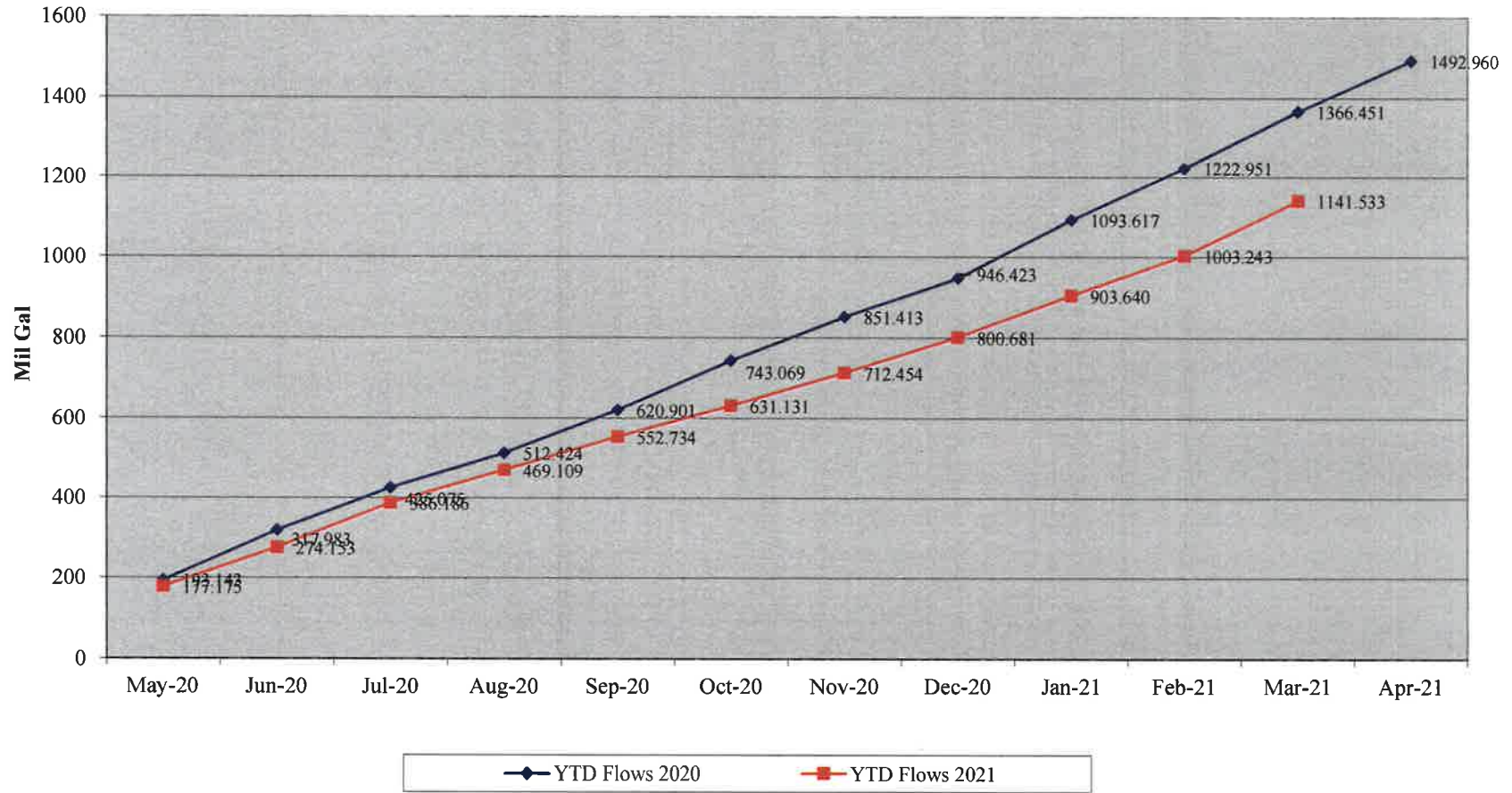
Kankakee River Metropolitan Agency
Village of Bourbonnais
Actual % vs. Estimate FYE 4-30-21



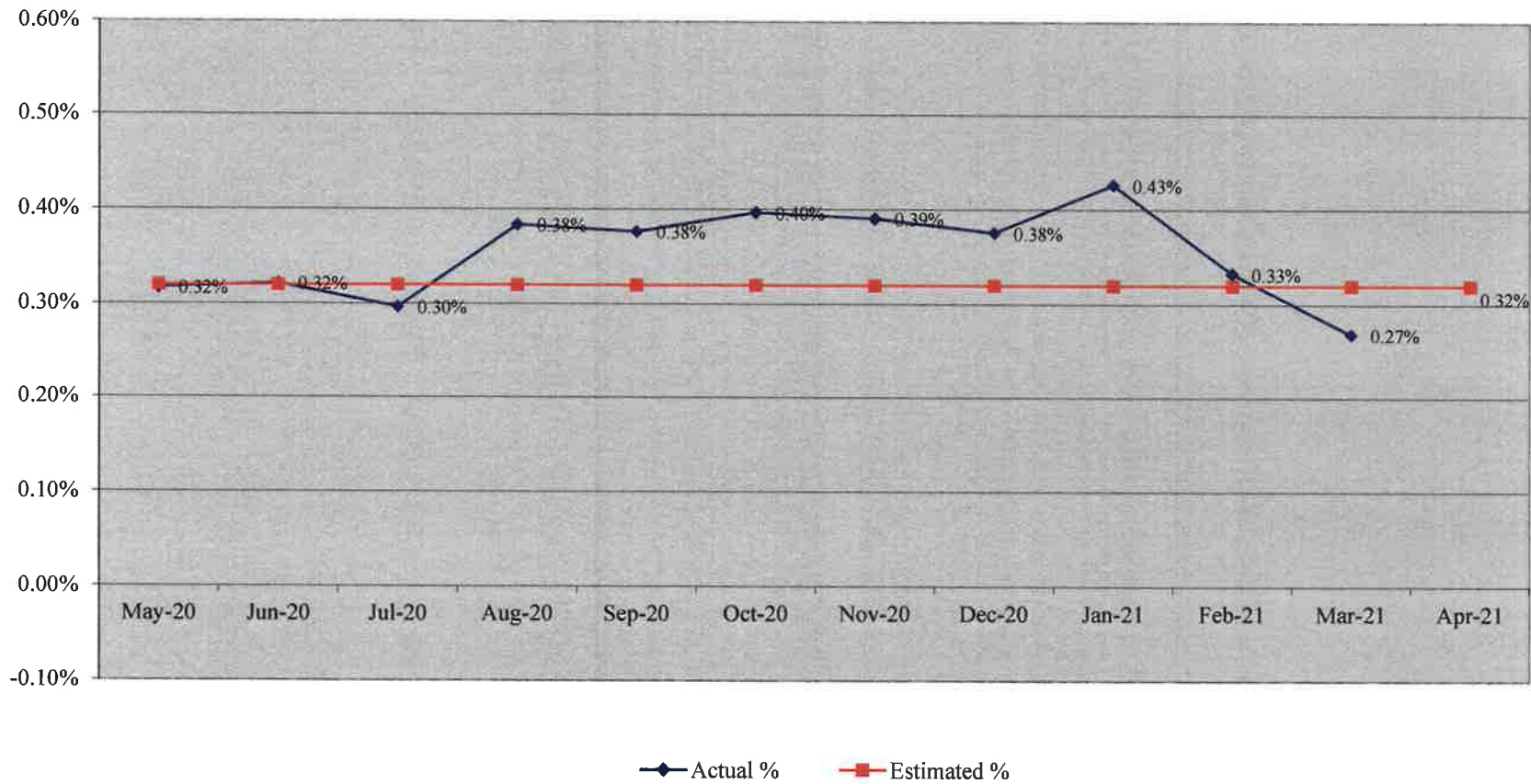
Kankakee River Metropolitan Agency Village of Bourbonnais Monthly % Flows - 2020 vs. 2021



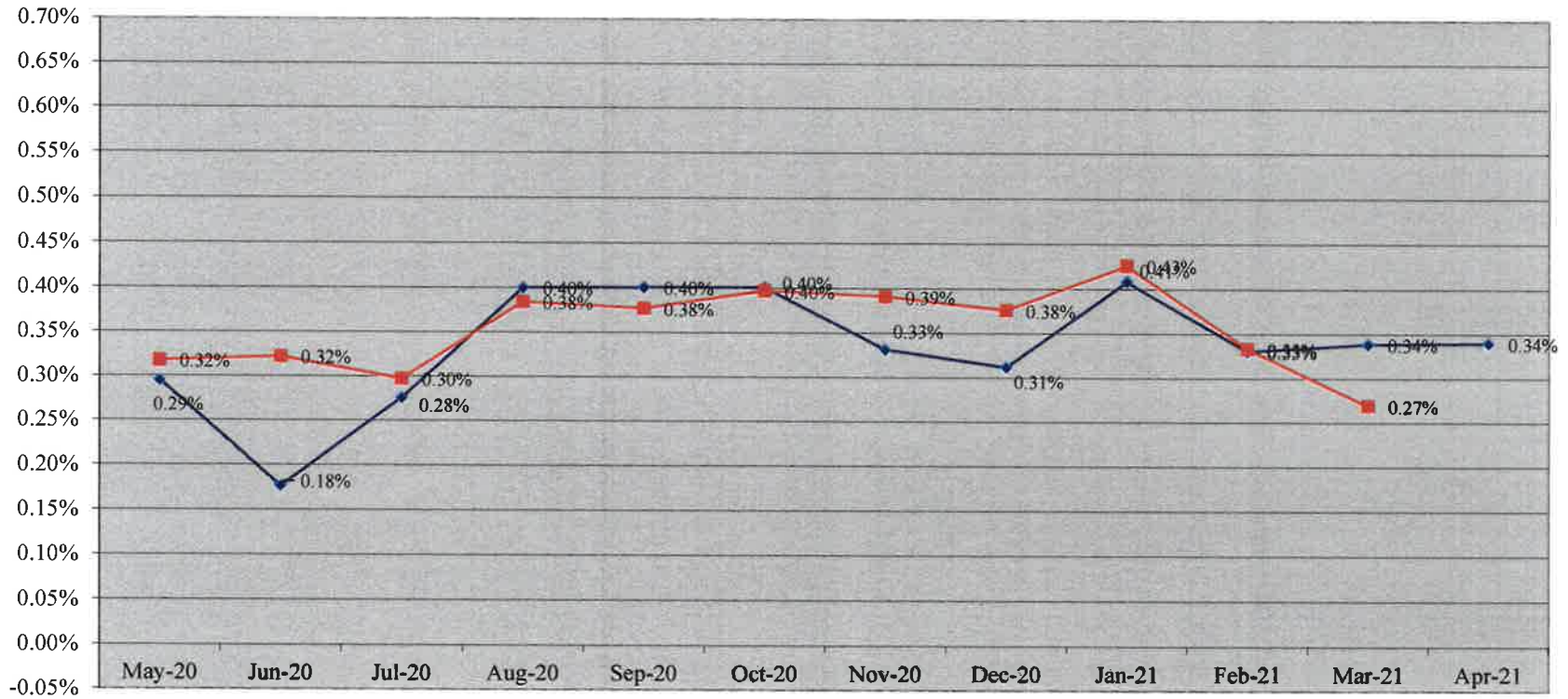
Kankakee River Metropolitan Agency
Village of Bourbonnais
YTD Flows 2020 vs. 2021



Kankakee River Metropolitan Agency
Village of Aroma Park
Actual % vs. Estimate FYE 4-30-21

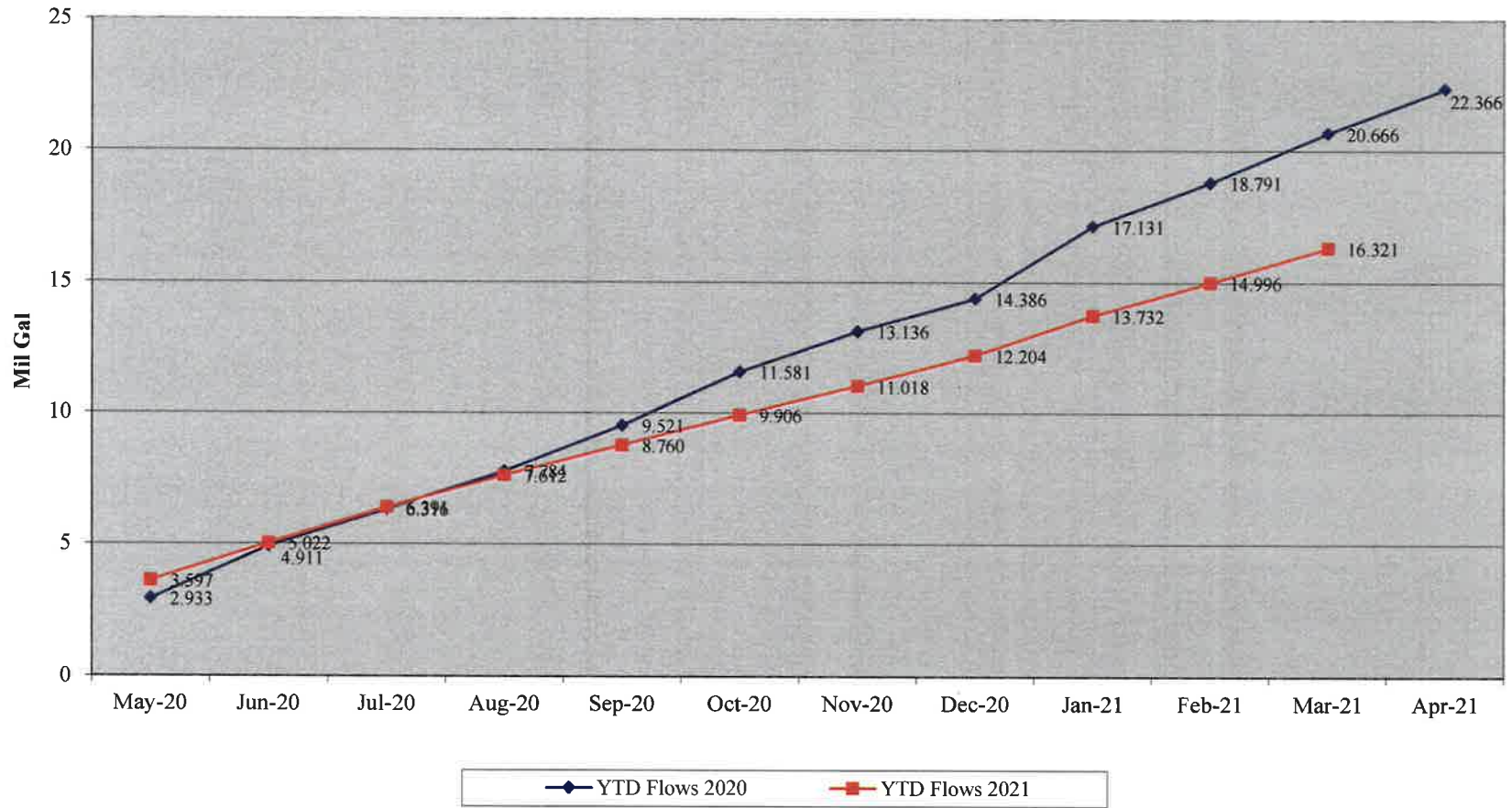


Kankakee River Metropolitan Agency
Village of Aroma Park
Monthly % Flows - 2020 vs. 2021



◆ 2020 Monthly % Flows ■ 2021 Monthly % Flows

Kankakee River Metropolitan Agency
Village of Aroma Park
YTD Flows 2020 vs. 2021



KRMA 2021 BID RESULTS AND RECOMMENDATION

HOUSEKEEPING							
VENDORS							
Jack's Cleaning Services-Only Bidder	\$2426.00 / monthly						
GROUNDKEEPING							
Clear Path	\$725.00 / weekly						
HL Landscaping	\$720 per visit						
Noffke Lawn & Landscaping	\$980/ per mow & trim: Billed monthly						
DOMESTIC SERVICES							
Aramark-Only Bidder		Shop Towels	3x4 Mats	3x10 Runners	4x6 Mats	3x5 Com fort Mats	Anti-Fatigue Mat
Aramark Floor Mats & Shop Towels		\$0.040 @ 400	\$2.50 @ 12	\$4.50 @ 6	\$3.50 @ 10	\$2.00 @ 1	\$2.00 @ 3
Aramark Clothing			JEANS	COTTON SHIRTS	POLO SHIRTS	PANTS	CARGO
					\$0.40 @ 4	\$0.40 @ 4	\$0.40 @ 4
Aramark Easy Care					\$0.08 @ 4	\$0.17 @ 4	\$0.17 @ 4
Aramark Fire Resist Clothing			\$0.50 @ 11	\$0.50 @ 11			
Aramark Fire Resist Easy Care			\$0.35 @ 11	\$0.35 @ 11			
Service Charge	\$10.00 Weekly						
Preparation Charge	\$0.30 per garment						
CHEMICALS							
Alexander Chemical Corporation		Polymer	Struvite	CL2/Ton Containers	SO2/Ton Containers	Sodium Hypochlorite	Sodium Hydroxide
				\$499.00 per 1 ton	\$580.00 per 1 ton	\$1.363 per gal	\$3.82 per gal
Carus Corporation			611lb drum @ \$452.14				
Jayne Products Inc			55 gal drum @ 493.35				
Polydyne, Inc.		\$1.34/per lbs	525 drum @ \$350.175				
Univar USA						12.5% \$1.28/gal - Qty @ 12,000gals	\$2.35/gal @ 25%, \$3.57/gal @ 50%

Highlighted Bid is Management Recommendation