

AGENDA

KANKAKEE RIVER METROPOLITAN AGENCY MEETING

Tuesday, February 23, 2021 At 3PM

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](tel:18722403212) when prompted enter conference PIN Access Code: [318-571-101](tel:318571101)

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. January 26, 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

V. Old Business

- A. Blowers Update
- B. Capacity Analysis
- C. 2021 Board Meeting Dates & Times
- D. IEPA Compliance Commitment Agreement
- E. WIPFLI Engagement Letter

VI. New Business

- A. Approval to Bid out KRMA Electric Supplier

I. Executive Session

- A. Personnel & Probable or Imminent Litigation

VII. Next Meeting

Tuesday, March 23, 2021 (3:00 P.M. in KRMA Boardroom OR via www.gotomeeting.com)

**KANKAKEE RIVER METROPOLITAN AGENCY
MINUTES
January 26, 2021 - 3:00 P.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
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
Phil Severson, Strand Associates
Scott Sterns, 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 Elizabeth Kubal via gotomeeting.com.

II. **Public Comment**

None

III. **Approval of Board Minutes**

A. **December 15, 2020 - Regular Board Meeting** - Motion to approve the December 15, 2020 Regular Board Meeting minutes was made by: Dir. Brown and seconded by Dir Romo. **Director Kubal joined the board meeting at 3:08pm.** All voted in favor. Motion Carries.

IV. **Reports**

A. **Operations & Maintenance Report**

1. **Monthly Report**

Art presented the operations report informing the Board that the employees at KRMA have been offered the opportunity to be vaccinated for COVID-19. KRMA is not making it mandatory for the staff. He continued stating the annual solid reports have been completed. The generator will not be

back in service until March 2021 and Caterpillar (CAT) will be responsible for the cost of the generator repair. Dir Brown asked, how many employees have refused to take the COVID vaccination and is there an adequate supply to vaccinate all the employees? Art responded, out of seventeen employees, only four have agreed to take the COVID vaccination. Also, the vaccination is not here on site, however, we wanted to know how many employees are willing to take it so we can make it available for them.

B. Executive Director Report

1. Water, Gas & Electric Use/Cost

Exec. Dir. Dave Tyson presented the monthly utility sheet. He informed the Board that our MidAmerican Energy bill will be higher for the next few months due to our generator being down and unable to process methane. Aqua bill is running high due to their meter reading. KRMA's meter readings are about 100,000 gallons lower. Aqua has been asked to replace the meter. Utilities for the year are in the range where we thought they would be. Chairperson asked for an anticipated date the generator will be repaired. Exec Dir Tyson responded by the end of March 2021. Dir Wakat asked if KRMA is generating methane that would have gone to the generator? Dustin responded, yes and it's getting burned off. Dir Wakat asked, how much of an increase are we looking at in our Mid-American bill? Exec Dir Tyson responded, somewhere around 11,700 a month.

2. Hauled In Waste Summary

Exec. Dir. Tyson pointed out our Hauled-In Waste is doing well, it's about five million gallons more than 2019.

3. Operations Report

Exec Dir Dave Tyson stated he will discuss topic under Old and New Business.

C. Financial Report

1. Reports

Karen Benson presented the financial report stating the Statement of Net Position continues to show a strong cash balance. Bond annual payments do increase the next fiscal year; therefore, we will be making larger transfers to the bonds reserve account. Dir Kubal asked about the O&M salaries, why we are higher than the budget amount? Karen stated she will look into it.

2. Hauled In Waste Report

Statement of Revenue & Expenses is reducing the monthly net income to \$42,000 for the month when usually we are at \$108,000 due to the sludge removal expense being much higher over budget for this month. However, the year-to-date is at \$326,000 vs \$300,000 that is in budget.

3. Flows Graphs

Karen Benson presented the flow graphs stating they are trending a little bit lower than the prior year; however, they are trending in the same direction as anticipated with the new flows and flow meters.

D. Communications

None.

V. Old Business

A. Approval of an Intergovernmental Agreement with Kankakee County Concerning E-Waste

Attorney Neal summarized the agreement that was prepared by Connie, Kankakee County States Attorney and reviewed by himself with some changes. The agreement simply states that KRMA will pay \$75,000 a year to the e-waste collection vendor that the Kankakee County will contract with for the four municipalities to have access. If KRMA chooses, they can still use their two sites as drop off sites. Chairperson asked, what's the plan to notify the residents, will the municipalities be responsible to notify their own residents? Dir Stump stated they will have to talk to Andy Wheeler about that. Exec Dir Tyson suggested that KRMA could keep their sites open for at least two or three months until there's proper notification out and the residents know where to drop their e-waste. Everyone was in agreement with the suggestion to keep current e-waste site open for 60 days. Motion to approve Intergovernmental Agreement with Kankakee County concerning E-Waste was made by Dir Schore and seconded by Dir Brown. All voted in favor. Motion Carries.

B. Blowers Update

Exec Dir Tyson stated Atlas Copco is still planning delivery and starting installation for the end of March. Also, through Strand, we got approval on the incentives that we applied for with ComEd.

C. **Capacity Analysis**

Dan Small gave a PowerPoint presentation regarding the cost of service and capacity evaluation identifying opportunities to serve existing users and future needs. Presentation shows the cost to treat the hauled in waste coming in is about 0.079/gal. Shutting off Newton County will decrease KRMA's revenue by 9%. This 9% will increase the rates significantly for each municipality. Dir Romo stated that the variable labor, equipment cost, and if the plant needs to expand should be worked into the cost of service as well. Dan stated even if KRMA stopped taking Newton County there will still be a need for expansion due to the loadings from the residential and commercial growth. Therefore, the key focus will be the timing; this expansion will be needed to take place either 2025 with Newton County or 2035 without Newton County. Dir Wakat stressed concern about the leachate and the effects that it has on the sludge and river. Dan referred to Art. Art stated we just completed the annual sludge report, and KRMA is not in violation of the permit regarding our sludge; however, referring to the capacity, Art stated it is necessary for an additional aeration train. This gives KRMA the ability to take an aeration train offline to service it and not get a violation for ammonia. There was a lot of discussion concerning revenue and usage of the plant. This will be re-visited at the next board meeting giving Board Members time to process and come up with a decision.

D. **Leachate Treatment Agreement w/ Republic Services**

Attorney Neal stated we currently have an agreement with Newton County, and we have to decide about extending our agreement for one year increasing their cost per gallon from 0.056 to .10 per gallon. If we don't agree to modify our previous agreement, it will roll over keeping the same 0.056 per gallon with it. We have also set provision of 90,000 gallon minimum and 120,000 gallon maximum they can bring. Therefore, if they brought less than 90,000, we would charge for 90,000. Dir Romo stated his only concern is can KRMA handle accepting Newton County hauled in waste for another year in a safe manner? Art replied, we have control within the agreement to back Newton County off at any time. We have cut them in half, and we have cut them off completely when we realize they are overloading the plant with BOD. Due to the new permit for ammonia, that additional aeration train will be greatly beneficial for KRMA to avoid ammonia violation through IEPA. Motion to approve a 1-year Leachate Treatment Agreement w/ Republic Services was made by Dir Brown and seconded by Dir Schore. All voted in favor. Motion carries.

VI. **New Business**

A. **Families First Coronavirus Response Act: Employee Paid Leave**

Attorney Neal gave a summary regarding the voluntary extension for FFCRA: Employee Paid Leave which was extended to March 31, 2021.

B. **Vaccine for COVID-19**

Attorney Neal gave a legal update regarding making the vaccine for Covid-19 mandatory or not. Attorney Neal stated per the guidance from the EEOC you can make it mandatory. However, there are certain situations where you may not be able to mandate the vaccine: Americans Disability Act and Civil Rights Acts regarding religious belief. The Board members decided to make it voluntary.

C. **Response Letter to IEPA Violation Letter**

Art stated the response letter was sent off to the IEPA and he hasn't gotten any feedback yet; however, KRMA had to take an aeration train offline and KRMA violated again for ammonia. This violation will be reported to IEPA. Dir Romo asked if IEPA does random inspections? Art answered, no, we must report every month any violations to the State through our own samples.

D. **2021 Board Meeting Times**

Exec Dir Tyson stated the dates were approved; however, we need to approve the time the meetings will be held. We would like to move the time from 3pm to 1:30pm. Dir Stump stated 9am will work better instead of 1:30pm. Dir Kubal stated she could not make anytime before 10:30am on a third Tuesday of the month. Dir Kubal suggested if we can move the board meeting to the fourth Tuesday of the month at 9am. All Board Member will check their calendar and have a response by next board meeting.

E. **Donation to the Annual African American Civic Leaders Scholarship**

Chairperson Wells-Armstrong stated she is not asking for action on this agenda item.

F. **Approval of Agreement with Megaplex I.T. Solutions, Inc. for certain IT maintenance work**

Art stated KRMA needs a written agreement with our IT contractor. Agreement was written by Attorney Neal and we can terminate at any time. Motion to approval agreement with Megaplex I.T. Solution for Inc for certain IT maintenance work was made by Dir Schore and second by Dir Wakat. All voted in favor. 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) and 2(C)(11) of the open meetings act, was made by: Dir. Brown and seconded by: Dir. Schore. Motion carried.

Roll call was taken, and all Board Members were present.

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

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

Roll call was taken, and all Board Members were present.

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

VIII. **Next Meeting**

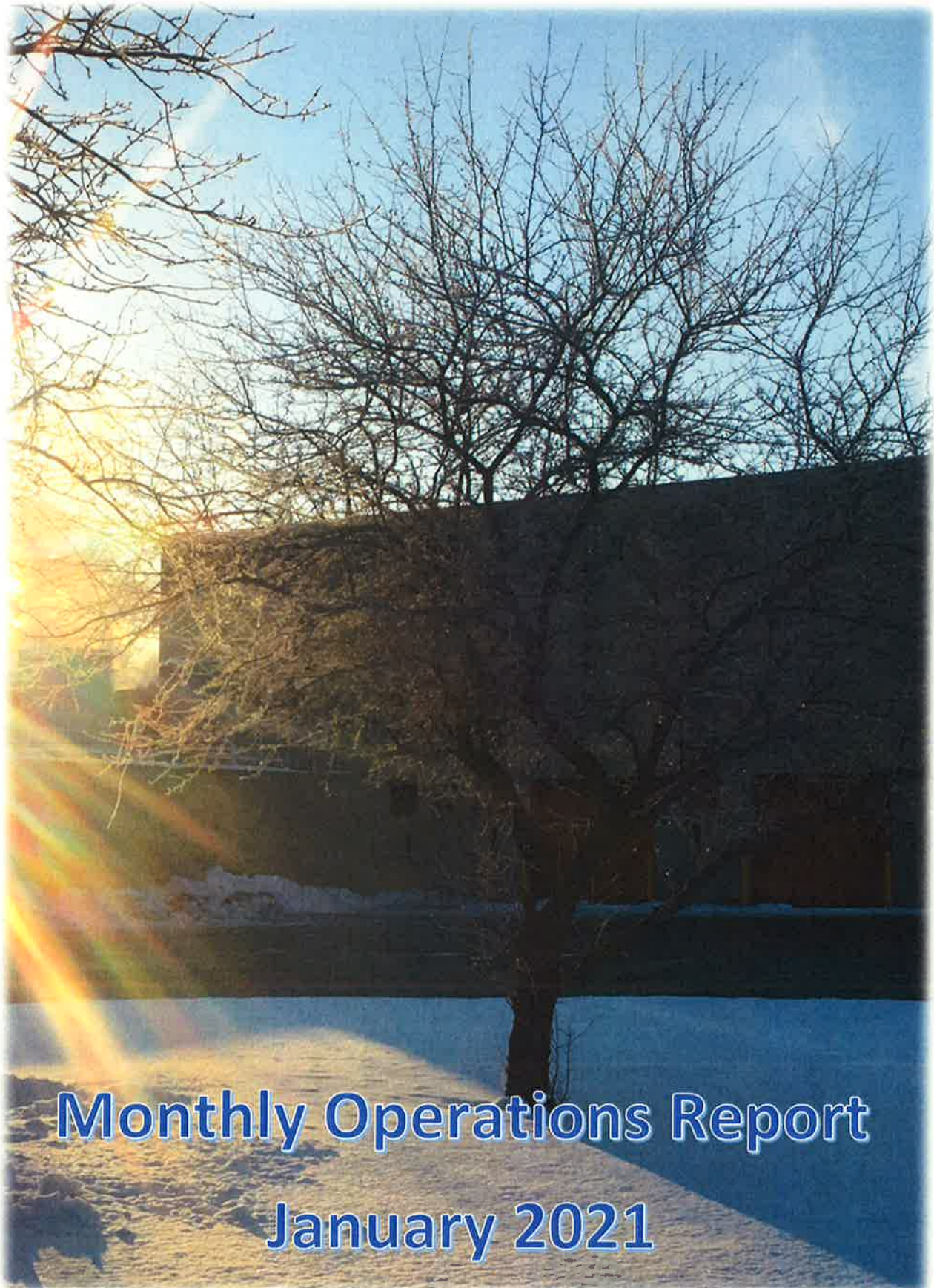
Next Regular Board Meeting- **Tuesday, February 23, 2021 (3:00 P.M. via gotomeeting.com)**

Motion to Adjourn was made by: Dir. Brown and seconded by Dir. Wakat. All voted in favor. Motion carried.



Kankakee River Metropolitan Agency

Providing Wastewater Treatment to the Kankakee River Valley



Monthly Operations Report

January 2021

KRMA's JANUARY HIGHLIGHTS:

An investigation report was provided by Com-ED and Strand Associates on potential energy and demand saving for the KRMA facility. Strand Associate also gave presentation to the KRMA Board Members on wastewater treatment, addressing capacity and load limits for the facility.

After several months of communication, the installation of new blowers for the KRMA facility has been initiated. The new blowers are expected to provide lower energy cost.

The Kankakee River Metropolitan Agency submitted the Annual Report for Nonhazardous Special Waste for Year 2020, to the Illinois Environmental Protection Agency.

The month of January, 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 were two excursions of the daily ammonia limit due to equipment malfunction. Equipment malfunction addressed, facility currently back in compliance.

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)	358.84	214.49	102.959	39.858	1.528
Daily Average Flow (MGD)	11.58	6.92	3.321	1.286	0.049

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	10 mg/l
PH	6-9 SU	7.51 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 January.
- There were no odor complaints registered at the East Gate site in January.

4.0 PERSONNEL

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

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: 1078
Hours of Scheduled Work Orders Performed: 767.65

6.0 SLUDGE HANDLING

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

Gallons of sludge produced and sent to thickening:	2,938,458.00
Gallons of sludge put into storage after thickening:	985,200.00
Sludge removed from the plant for land application:	0.00
Sludge remaining in storage as of December 31st:	1,675,000.00

7.0 WATER USAGE

JANUARY 2021 (32 DAYS): 39,703 CU FT= 297,000 GALS. = \$2669.85

NUMBER OF DAYS IN THE BILLING CYCLE: 32

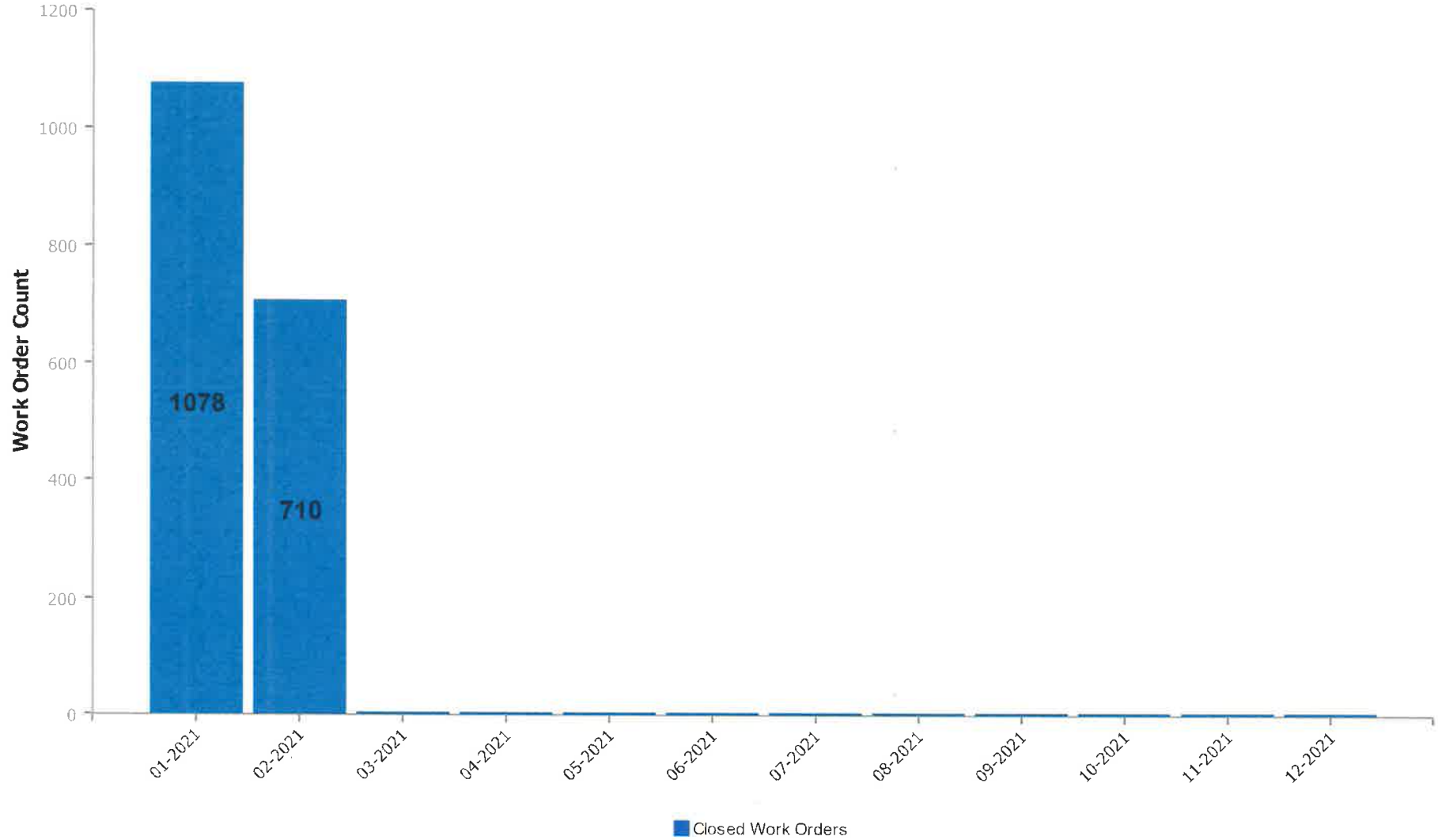
THE NUMBER'S FOR JANUARY IS FROM KRMA METER READINGS



Work Orders Closed By Month

From January, 2021 to December, 2021

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

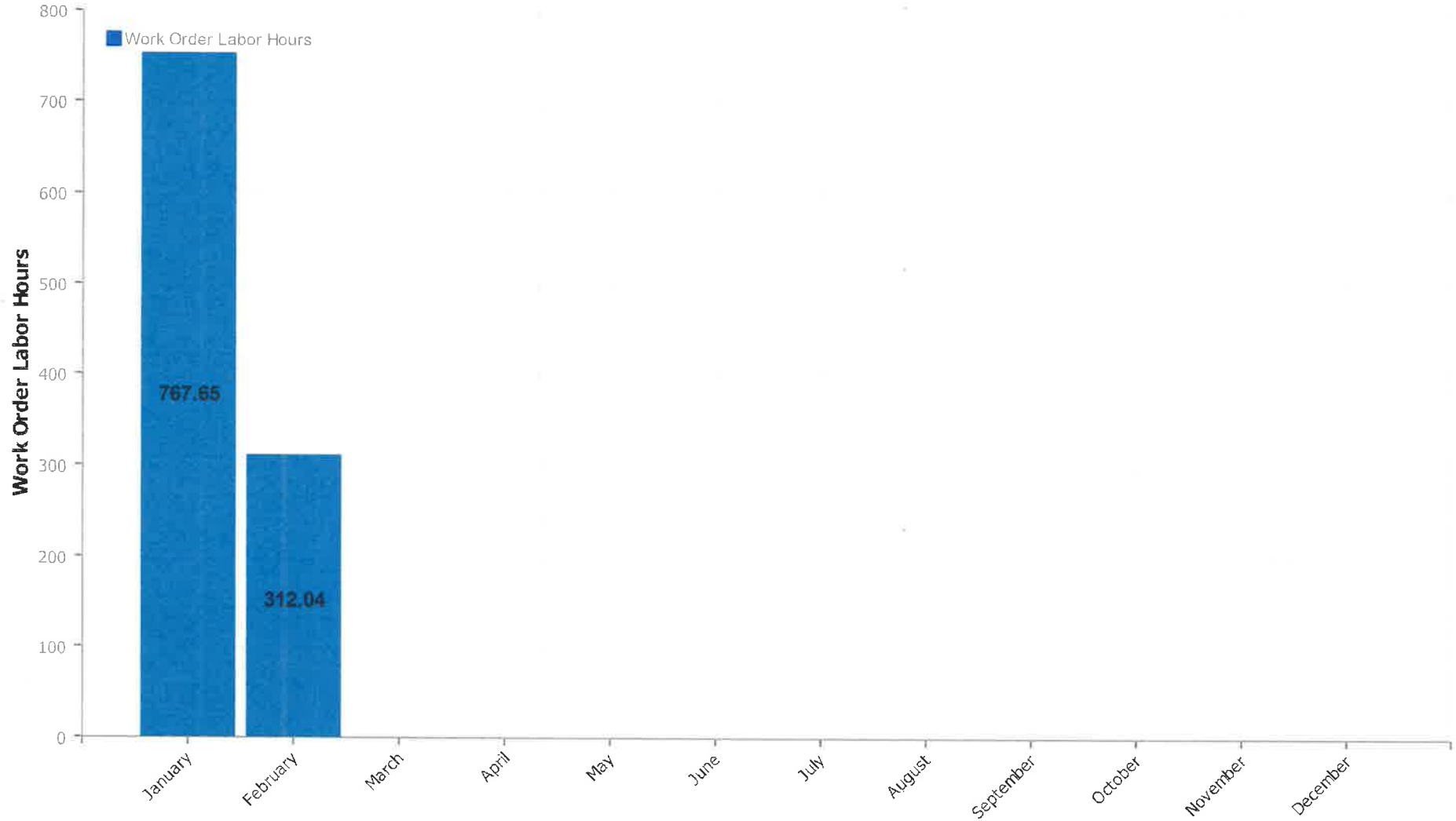




Work Order Labor Hours by Month

2021

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



ATTACHMENT

A

DMR Monthly Report

1/1/2021 to 1/31/2021

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
1/1/2021	14.562		9		1,093				
1/2/2021	15.139		4	13	505	1,172	3	6	379
1/3/2021	13.613		8		908		3		341
1/4/2021	12.877	7.43	5		537		5		537
1/5/2021	12.352	7.24	8		824		5		515
1/6/2021	11.993	7.26	9		900		8		800
1/7/2021	11.964	7.31	8		798		10		998
1/8/2021	11.860	7.58	2		198				
1/9/2021	11.435		3	6	286	636	5	6	477
1/10/2021	11.110		9		834		5		463
1/11/2021	11.202	7.85	18		1,682		4		374
1/12/2021	11.236	7.54	12		1,124		4		375
1/13/2021	11.281	7.47	13		1,223		4		376
1/14/2021	11.440	7.53	12		1,145		5		477
1/15/2021	12.198	7.50	4		407				
1/16/2021	11.817		9	11	887	1,043	4	4	394
1/17/2021	11.445		6		573		5		477
1/18/2021	11.494		5		479		3		288
1/19/2021	11.313	7.49	14		1,321		9		849
1/20/2021	11.147	7.53	16		1,487		13		1,209
1/21/2021	11.237	7.55	14		1,312		7		656
1/22/2021	10.832	7.66	14		1,265				
1/23/2021	10.338		12	12	1,035	1,067	9	8	776
1/24/2021	10.267		14		1,199		6		514
1/25/2021	10.506	7.69	10		876				
1/26/2021	10.859	7.45	13		1,177				
1/27/2021	10.493	7.43	16		1,400		5		438
1/28/2021	10.196	7.65	16		1,361		8		680

Minimum	10.196	7.24	2	6	198	636	3	4	288
Maximum	15.139	7.85	18	13	1,682	1,172	13	8	1,209
Average	11.650	7.51	10	11	958	980	6	6	563
Sum	326.206	135.16	283	42	26,837	3,919	130	24	12,392

DMR Monthly Report

1/1/2021 to 1/31/2021

Var #	352	187	191	401	101	450	115	451	455
	WeeklyAv eEffCBOD	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	%
1/1/2021				14.56			190	23,075	
1/2/2021	540			15.14	132	16,666	102	12,878	98
1/3/2021				13.61	121	13,737	132	14,986	98
1/4/2021				12.88	152	16,324	124	13,317	97
1/5/2021				12.35	201	20,706	48	4,945	98
1/6/2021				11.99	284	28,406	206	20,604	97
1/7/2021				11.96	235	23,448	122	12,173	96
1/8/2021				11.86			48	4,748	
1/9/2021	611			11.44	206	19,646	80	7,629	98
1/10/2021				11.11	191	17,698	142	13,157	97
1/11/2021				11.20	262	24,477	208	19,432	98
1/12/2021				11.24	250	23,427	190	17,805	98
1/13/2021				11.28	293	27,566	268	25,214	99
1/14/2021				11.44	309	29,482	240	22,898	98
1/15/2021				12.20			233	23,703	
1/16/2021	410			11.82	188	18,528	99	9,757	98
1/17/2021				11.45	170	16,227	85	8,113	97
1/18/2021				11.49	215	20,610	140	13,420	99
1/19/2021				11.31	289	27,267	234	22,078	97
1/20/2021				11.15	300	27,890	142	13,201	96
1/21/2021				11.24	311	29,146	199	18,650	98
1/22/2021				10.83			162	14,635	
1/23/2021	709			10.34	278	23,969	158	13,623	97
1/24/2021				10.27	232	19,865	130	11,131	97
1/25/2021				10.51			150	13,143	
1/26/2021				10.86			176	15,939	
1/27/2021				10.49	358	31,329	278	24,328	99
1/28/2021				10.20	395	33,589	246	20,919	98

Minimum	410			10.20	121	13,737	48	4,748	96
Maximum	709			15.14	395	33,589	278	25,214	99
Average	568			11.65	244	23,182	162	15,554	98
Sum	2,270			326.21	5,372	510,004	4,532	435,504	2,146

DMR Monthly Report

1/1/2021 to 1/31/2021

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
1/1/2021	95	8.66	9.17	8.92					
1/2/2021	96	8.85	9.53	9.19	8.96				
1/3/2021	94	9.26	9.79	9.53		0.05	5.68	0.49	
1/4/2021	96	9.24	9.77	9.51		0.05	5.37	0.19	
1/5/2021	83	9.27	9.78	9.53		0.10	9.98	0.42	
1/6/2021	96	9.05	9.51	9.28		0.24	24.21	0.50	13.40
1/7/2021	93	8.41	9.15	8.78		0.91	90.80	0.51	
1/8/2021	96	8.55	9.12	8.84					
1/9/2021	96	8.77	9.29	9.03	9.21				
1/10/2021	94	9.05	9.51	9.28		0.05	4.63	0.51	
1/11/2021	91	9.02	9.51	9.27		0.09	8.15	0.46	
1/12/2021	94	8.54	9.22	8.88		0.05	4.69	0.27	
1/13/2021	95	8.47	9.03	8.75		0.07	6.64	0.60	
1/14/2021	95	8.16	8.71	8.44		0.26	25.09	0.77	14.28
1/15/2021	98	8.09	8.61	8.35					
1/16/2021	91	8.51	8.90	8.71	8.81				
1/17/2021	93	8.93	9.18	9.06					
1/18/2021	96	8.93	9.21	9.07		0.13	12.46	0.22	
1/19/2021	94	8.37	8.62	8.50		6.14	579.31	3.68	
1/20/2021	89	7.58	7.97	7.78		21.20	1,970.88	2.10	
1/21/2021	93	7.66	7.85	7.76		15.80	1,480.72	0.79	
1/22/2021	91	8.41	8.75	8.58					
1/23/2021	92	8.51	9.02	8.77	8.50				
1/24/2021	89	9.00	9.25	9.13		0.05	4.28	0.28	
1/25/2021	93	8.80	9.10	8.95		0.11	9.81	0.29	
1/26/2021	93	8.58	8.88	8.73		0.20	18.48	0.87	
1/27/2021	94	8.66	8.69	8.68		1.27	111.14	0.53	15.70
1/28/2021	93	8.70	8.78	8.74		1.66	141.16	0.75	

Minimum	83	7.58	7.85	7.76	8.50	0.05	4.28	0.19	13.40
Maximum	98	9.27	9.79	9.53	9.21	21.20	1,970.88	3.68	15.70
Average		8.64	9.07	8.86	8.85	2.55	237.55	0.75	14.46
Sum	2,616	242.03	253.90	247.97	35.48	48.44	4,513.47	14.22	43.38

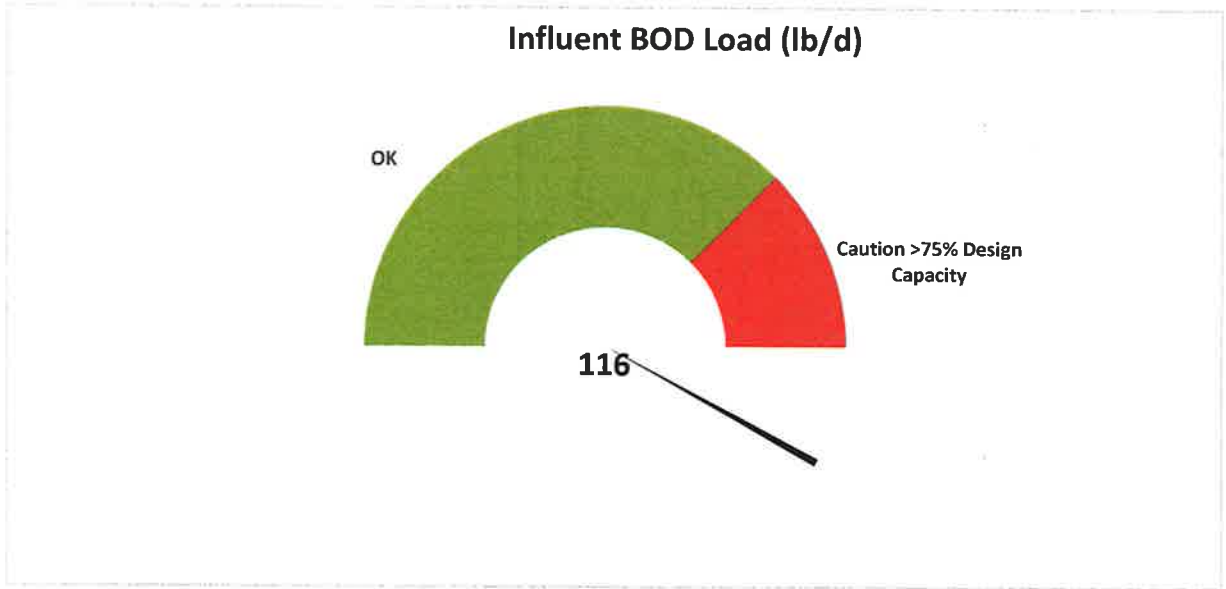


Chart Settings	
State	Section Width
Caution >75% Design Cap	21150.00
OK	7050.00
Total	28200.00

Pointer Settings	Value
Value	116
Pointer	1
End	83

Chart Title	Dashboard	
Influent BOD Load (lb/d)	Current Design Load	32582 lb/d
	Design Capacity	28200 lb/d
	Percent Design Capacity	116 %

ATTACHMENT

B

ATTACHMENT

C



SAFETY MEETING
February 11, 2021
9:30am & 1:30pm
Agenda

I. Safety Minutes

Review minutes from January 2021

II. Old Business

There was one lost time accident for the month of January 2021

III. New Business

A. Safety Training

1. Blood Borne Pathogens: Know the Risks (CEU 13043 = 1.00)
2. IEPA Wastewater Operators CEU submission procedure

B. Safety Concerns

C. Safety Team Leader Report

D. Open Discussion

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



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

In attendance:

9:30am session:

Melanie Gossett, Facilitator

Dustin Scheppler	Shaun Ownbey	Dan Combs	Shawn Malone
Nick Scheppler	Brian Power	Bryan Kennedy	Max Gossett
Mike Arseneau	Andy Summers		

1:30pm session:

Melanie Gossett, Facilitator

Jack Renchen	Jim Churney	Ron Haney	Mike Gowler
Josh Peters	John Lund	Nick Tucker	

Absent:

Kurt Mraz

I. Safety Minutes

Reviewed minutes from December 10, 2020 – Approved.

II. Old Business

- A. There were no lost time accidents reported for the month of December 2020.
- B. The steps in Bldg. #55, west side by the top of the stairs, is deteriorating.
 - ✓ Has been repaired.

III. New Business

A. Safety Training

- 1. Safety video presentation *Winter Walking* was viewed.
- 2. Questions were received in regards to the winter protocol.

- a. Operators were asked to please clear and salt the sidewalk from the HIW shed to the HIW dump stations.
- b. There was a request to purchase new manual salt spreaders.

✓ Permission granted to purchase.

B. Safety Concerns

1. There was a request for two more head lamps.

✓ Permission granted to purchase (plus an extra unit).

2. KRMA employees will be notified when the Covid vaccination is available.

✓ Email sent to all employees on 1/19/2021 to notify Melanie if they are interested in the vaccination.

C. Safety Team Report

No other safety concerns.

D. Open Discussion

1. Information about the newly implemented KRMA Weight Loss Challenge was shared.

2. A question about the generator status was asked.

✓ Dustin reported that the generator is scheduled to be back online sometime in late March.

3. All operators were reminded of the CEU requirement in regards to retaining their Wastewater license.

Next Meeting: **Thursday, February 11, 2021**
9:30am & 1:30pm

ATTACHMENT

D

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: KANKAKEE/BROOKMONT

FLOW METER MODEL: ISCO Signature

INFLUENT February 2nd, 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 24.230

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 2/2/2021

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 February 2nd, 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 24.050"

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: 2/2/2021

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 February 2nd, 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" Level reading 10.759"

LEVEL AFTER: 10.989"

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: 2/2/2021

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 February 2nd, 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 30.0 MGD As Found 30.010 MGD LEVEL AFTER: 30.010MGD

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: 2/2/2021

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 February 2nd, 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 30MGD AS Found 29.987 MGD

LEVEL AFTER: 29.987 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: 2/2/2021

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 February 2nd, 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 45.0" As found 45.146"

LEVEL AFTER: 45.146"

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: 2/2/2021

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 February 2nd, 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 11.999"

LEVEL AFTER: 11.999" 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: 2/2/2021

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

ATTACHMENT
E

January 2021 Monthly Pretreatment Sample Analysis (metals, cyanide & VOA) for the permitted industries were a total of **74 samples** and a total of **490 analyses**.

Gilster-Mary Lee Corporation	10 Samples
Hoffman Transportation, LLC	2 Samples
Lake County C&D Landfill	2 Samples
Liberty Landfill, LLC	11 Samples
Livingston Landfill	7 Samples
Natural Gas & Pipeline Co. of America	3 Samples
Newton County Landfill	14 Samples
Prairie View RDF	5 Samples
Solvay USA Inc.	6 Samples
Tank Cleaning Solutions, LLC	13 Samples
Zutat Feed Solutions	1 Sample

Volumes Received for January 2021 for trucked-in industries.

City of Momence/Momence Packing	138,200 gals	23 loads
Gilster-Mary Lee Corporation	80,000 gals	14 loads
Hoffman Transportation, LLC	10,000 gals	2 loads
Kankakee Recycling & Disposal Facility	0 gals	0 loads
Lake County C&D Landfill	57,287 gals	9 loads
Laraway Recycling & Disposal Facility	0 gals	0 loads
Liberty 3 LFGTE Plant - Wabash Valley Power Alliance	0 gals	0 loads
Liberty Landfill, LLC	912,664 gals	137 loads
Livingston Landfill	255,040 gals	40 loads
Natural Gas & Pipeline Co. of America	50,000 gals	10 loads
Newton County Landfill	1,331,545 gals	206 loads
Peoria Packing Co.	0 gals	0 loads
Prairie View RDF	95,432 gals	15 loads
Solvay USA Inc.	72,194 gals	13 loads
Tank Cleaning Solutions, LLC	180,472 gals	34 loads
Zutat Feed Solutions	23,000 gals	4 loads
Totals:	3,205,834 gals	507 loads

The KRMA Facility received a total of **129 loads** of septage which totalled **442,000 gallons** for the month of January 2021

KRMA YEARLY UTILITY USAGE - (2020)

	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	949,984	31	\$ 46,799	\$ 1,510		260544	689,440	1,277	\$ 0.0493	360,000	33	\$ 2,663	10,909	81
FEBRUARY	839,904	35	\$ 51,423	\$ 1,469		108,341	731,563	1,000	\$ 0.0612	300,000	33	\$ 2,336	9,091	71
MARCH	951,132	31	\$ 45,775	\$ 1,477		215,667	735,465	1,278	\$ 0.0481	350,000	29	\$ 2,608	12,069	90
APRIL	834,529	29	\$ 40,239	\$ 1,388		199,857	634,672	1,199	\$ 0.0482	380,000	29	\$ 2,829	13,103	98
MAY	954,846	30	\$ 46,728	\$ 1,558		189,479	765,367	1,326	\$ 0.0489	360,000	29	\$ 2,718	12,414	94
JUNE	866,806	29	\$ 44,430	\$ 1,532	190,805	221,918	454,083	1,245	\$ 0.0513	410,000	29	\$ 2,997	14,138	103
JULY	1,090,642	32	\$ 58,572	\$ 1,830	426,606	219,849	444,187	1,420	\$ 0.0537	480,000	34	\$ 3,388	14,118	100
AUGUST	690,341	29	\$ 36,180	\$ 1,248		189,320	501,021	992	\$ 0.0524	450,000	32	\$ 3,220	14,063	101
SEPTEMBER	902,779	30	\$ 39,084	\$ 1,303	135504	170854	596,421	1,254	\$ 0.0433	60,000	31	\$ 1,001	1,935	32
OCTOBER	853,628	32	\$ 36,282	\$ 1,134	155,521	180,910	517,197	1,111	\$ 0.0425	-	0	\$ -	#DIV/0!	#DIV/0!
NOVEMBER	750,426	31	\$ 44,165	\$ 1,425		14,337	736,089	1,009	\$ 0.0589	1,190,000	67	\$ 7,765	17,761	116
DECEMBER	642,178	35	\$ 44,650	\$ 1,276		-	642,178	764	\$ 0.0695				#DIV/0!	#DIV/0!
TOTAL	10,327,195	374	\$ 534,327	17,148	908,436	1,971,076	7,447,683	13,876	\$ 0.6273			\$ 31,525	#DIV/0!	#DIV/0!
	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	40,548	31	\$ 15,363	1308	\$ 496
FEBRUARY	31,961	30	\$ 11,007	1065	\$ 367
MARCH	29,695	29	\$ 9,570	1024	\$ 330
APRIL	19,896	30	\$ 6,354	663	\$ 212
MAY	13,482	30	\$ 5,046	449	\$ 168
JUNE	8,022	31	\$ 3,146	259	\$ 101
JULY	7,160	30	\$ 2,835	239	\$ 95
AUGUST	10,363	31	\$ 3,978	334	\$ 128
SEPTEMBER	9,150	30	\$ 4,136	305	\$ 138
OCTOBER	23,032	31	\$ 8,429	743	\$ 272
NOVEMBER	17,031	30	\$ 7,951	568	\$ 265
DECEMBER	35,032	31	\$ 14,431	1130	\$ 466
TOTAL	245,372	364	\$ 92,246	8,087	3,037
	Therms	Days	Total Cost \$/Billing Period	Therms/Day	Total Cost \$/day

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														
MARCH														
APRIL														
MAY														
JUNE														
JULY														
AUGUST														
SEPTEMBER														
OCTOBER														
NOVEMBER														
DECEMBER														
TOTAL	923,110	34	\$ 58,146	\$ 1,710	0	0	923,110	1,131	\$ 0.0630	620,000	66	\$ 4,071	9,394	62
	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					
MARCH					
APRIL					
MAY					
JUNE					
JULY					
AUGUST					
SEPTEMBER					
OCTOBER					
NOVEMBER					
DECEMBER					
TOTAL	44,638	31	\$ 16,871	1440	\$ 544
	Therms	Days	Total Cost \$/Billing Period	Therms/Day	Total Cost \$/day



Annual Load / Gallon Totals

2021

Month Received	City of Mokenca/Mokenca 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	Zurat 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																		
March																		
April																		
May																		
June																		
July																		
August																		
September																		
October																		
November																		
December																		
Totals	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
Average	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
Treatment Costs as of 05/01/20	0	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		