

**AGENDA**  
**KANKAKEE RIVER METROPOLITAN AGENCY MEETING**  
**Tuesday, December 17, 2019**  
**3:00 PM in KRMA Board Room**

**I. Roll Call**

**II. Public Comment**

**III. Approval of Board Minutes**

- A. November 19, 2019 – Regular Board Meeting

**IV. Reports**

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

**V. Old Business**

- A. Flow meters update  
B. Status of dispute with Atlas Copco concerning blowers  
C. NPDES Permit update  
D. E-waste Update  
E. PILOT Fee Adjustment Update  
F. Electronic Delivery of Board Packets  
G. Software Update  
H. Change in Policy for Lead Operators  
I. New Hires  
J. Approval for Website Publication

**VI. New Business**

- A. IPRF Workers' Compensation Renewal  
B. Proposed Increase for Hauled in Waste

**VII. Executive Session**

- A. Personnel & Probable or Imminent Litigation

**VIII. Next Meeting**

**Tuesday, January 17, 2020 (3:00 P.M. in KRMA Boardroom)**

**KANKAKEE RIVER METROPOLITAN AGENCY**  
**MINUTES**  
**November 19, 2019 - 3:00 P.M**

In attendance:

**Board of Directors:**

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

**Administration:**

Dave Tyson, KRMA Executive Director  
Larry, Ohm, 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

Vice Chairperson Mayor Schore called the meeting to order.

I. **Roll Call**

Roll Call was taken. All Board members were present, with Chairperson Mayor Wells-Armstrong being present via phone.

Attorney Neal Smith presented rule under Open Meeting Act, Chapter 7, KRMA Board received advance notice from Chairperson Mayor Wells-Armstrong that she will attend remotely. Is there any objections from the Board with Chairperson Mayor Wells-Armstrong attend the November 19, 2019 board meeting remotely? No Objections.

II. **Public Comment**

None.

III. **Approval of Board Minutes**

- A. **October 15, 2019 - Regular Board Meeting** – Motion to approve the October 15, 2019 Regular Board Meeting minutes was made by: Dir. Brown and seconded by Dir Stump. Motion carries.
- B. **Executive Session Minutes**- Motion to approve the Executive Session Minutes (May 2019 – October 2019) will be discussed in Executive Session.

IV. **Reports**

A. **Operations & Maintenance Report**

1. **Monthly Report**

Art commended Michael Arseneau and Tawonda Brown-Davis for meeting their 90-Days probationary period. They are working out very well. Dir. Carl Brown asked about the odor complaint. Dustin answered, there was gas leaking on our blend tank. No discussion.

B. **Executive Director Report**

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

Exec. Dir. Dave Tyson presented the YTD utility report. Water usage was a little bit higher. Our cost per day, per unit is in line with last years and what we have budgeted for this year.

2. **NACWA Updates:**

No updates.

3. **Hauled In Waste Summary**

Exec. Dir. Tyson stated we had a good month. Majority of the loads was from Newton County. We are ahead of schedule with hauled in waste.

4. **Operations Report**

Exec Dir Dave Tyson stated we will discuss under executive session.

C. **Financial Report**

1. **Reports**

Larry Ohm presented the monthly financial statement. Money was transferred from O&M into the money market, expenditures are in line, and our net position is very strong financially.

2. **Hauled in waste report**

Larry Ohm stated hauled in waste continues to run ahead of budget both month and YTD.

3. **Flows Graphs**

Larry Ohm stated that City of Kankakee is down, Village of Bradley is up a little but still below the average line. Village of Bourbonnais is way above what we expect them to be. It was a very wet month and that shows on the daily flows.

D. **Communications**

None.

V. **Old Business**

A. **Flow meter update**

Dustin asked was there any question regarding the reports he sent out. Dir Schore asked, do you feel the numbers are current and the numbers in the past are accurate. Dustin answered, I can't say for February to April of 2019, because we didn't start doing the group calibration till May 2019, since then it has been much more consistent. Dir Schore asked, what are we going to do about the numbers before January to April. Dir Schore asked Larry a question about the flow meters calculation. Larry answers, still awaiting on the comparison of the meter, however, they don't give any bases on making any adjustments. Dustin stated between the Bourbonnais and Kankakee meter they're currently reading 22-24% month to month. Dir Romo asked if anyone talked to Aqua about the increase in flows and usage. Dustin replied, it's based on their population equivalent for the area. Dir Schore stated he's aware that their population is increasing. Therefore, I would like to have the numbers for late winter into spring to be up for discussion next board meetings. Larry instruct for everyone to look at page 2 of the flow graphs for Bourbonnais. It shows there was a huge spike starting in December 2018 that went through March 2019, I'm aware you were going through some construction on the North end, perhaps that contributed to it. Dir Schore disagrees with the contribution from the construction and he still believes during that timeframe the flow number is inaccurate. Larry stated Bourbonnais flows have historically ranged from 16% to 33% in the past 18 months, trying to come up with an average has been difficult. Dustin spoke we are currently consistently showing the Bourbonnais flow to be currently at 22-24%. Larry not sure what to do about an adjustment, he's at the mercy of the Board of KRMA. Art stated if there is an adjustment to be made it will be between January - March 2019 when meter was reading higher then 22-24%. Art stated they will give Larry a report for meeting and Larry stated the adjustment will not be retro because the audit is complete. However, there will be an adjustment moving forward.

B. **Status of dispute with Atlas Copco concerning blowers**

Attorney Neal Smith stated the agreement is fully signed and executed. Looking to have the blowers installed by end of July 2020, if they don't, there is a liquidate damages provision in the agreement.

C. **NPDES Permit update**

Dave and Art stated we are still waiting for the State to get back to us. Art stated, he believes KRMA will be stuck with the draft permit the State has put out for public notice. Special Condition 16(CMOM) is what we are fighting to get the State to state that KMRA is not

responsible. However, at this point Art believes KRMA will be responsible for the CMOM. It will be discussed more in New Business.

- D. **E-Waste update**  
Exec. Dir Dave Tyson informed everyone that him and the County Chairperson, Mr. Wheeler, will make a presentation at the Mayor Association November 20, 2019.
- E. **PILOT fee Adjustment Update**  
No update.
- F. **Electronic Delivery of Board Packets**  
Exec. Dir. Dave Tyson stated next board meeting we will have prices on iPad &/or tablets with a big enough screen for the board room.
- G. **Software Contract Update**  
Exec. Dir. Dave Tyson stated we have our blackout dates, DTS will be here on the 4<sup>th</sup> & 5<sup>th</sup> of December for kick off meeting.

## VI. **New Business**

- A. **Change in Policy for Lead Operators**  
Exec. Dir Dave Tyson stated he is working with Attorney Todd, from Robbins Schwartz office. Exec. Dir Dave explained the reason why there's a need to have our Lead Operators able to return to work on light duty. Dir Romo asked if KRMA currently has light duty? Dave answered, No. Dir Schore asked, are all Operators unionize positions, and will we have to open the union contract. Exec. Dir Tyson answered, yes to Operators are union positions, and no KRMA will not have to open the union contract, according to what Attorney Todd said. Art stated that a policy can be written, however, there must be specifics in there that speaks directly to the Lead Operators position as to why we will allow them to return on light duty versus any other O&M Specialist. The union will question it. However, there are jobs that the Lead Operators can perform while on light duty. Dir Schore asked Attorney Neal will he be looking over the policy, Attorney Neal said No, the Labor Attorney Todd is drafting the policy. Dir Kubal asked will this be like a side letter to the union contract, if this goes through. Art stated in most cases it will be a side letter and it will not go into the contract until the next negotiation. Art stated due to management rights, management have the right to create policy if it does not interfere with an agreed upon contract. There is nothing in the contract that addresses light duty. Dir Brown stated he would like to see the policy. Dave will issue the policy once he receives it.
- B. **New Hires**  
Exec. Dir Tyson stated KRMA extended the date to December 13, 2019 for accepting applications.
- C. **Approval of Audited Financial Statements for FYE April 30, 2019**  
Larry stated there was no changes to the draft audit. Motion to approve the Audit Financial Statement for FYE April 30, 2019 by Dir Romo and second by Dir Brown. Motion Carries.
- D. **Resolution Authorizing Execution of an Amendment to the Amended and Restated Joint Sewage Treatment Agency Intergovernmental Agreement**  
Attorney Neal stated the necessity of this amended is due to the NPDES Permit. It's some obligation in the NPDES permit that the IEPA is imposing on KRMA. We need the Municipalities cooperation and efforts in order to accomplish them. Attorney Neal ask Dan, with Strand Associate, to describe what is being required by the NPDES permit.
  - 1. **Amended to the Amended and Restated Municipal Joint Sewage Treatment Agency Intergovernmental Agreement**  
Dan stated since KRMA does not own or operate any of the collection system coming in here. NPDES is trying to make KRMA responsible for the CMOM Program. The only way to do that is that each of the individual communities or the villages collection systems needs to develop this CMOM Program and continue to implement the program with annual reporting that needs to be submitted to KRMA. Therefore, if fines and violation come about due to the communities CMOM not implemented or not being monitored, then KRMA can pass those fines and violations to the communities. IEPA has jurisdiction over KRMA however, IEPA does not have jurisdiction over the municipalities. The IEPA is not in position to fine the municipalities even though it's their collection systems that's not being maintained, therefore, they will fine KRMA. So KRMA needs to be in position to pass on those fines and to acquire the CMOM plans to be drafted and implement. If the municipalities are not meeting their CMOM schedules, KRMA can be fined as well. Art followed up with the new members on the board, stating this has been talked about for some time. Each member was supposed

to come up with a CMOM plan and implement it but also turn those plans over to KRMA or at least copy KRMA with the plan, so we know what the communities are doing and making sure these things are being done. Dir Schore asked what's the timeframe it must be complete. Dave asked that the Municipalities have the preliminary CMOM plan turned in January no later than February 2020.

E. **Update to Strategic Planning**

Chairperson Wells-Armstrong stated she met with Dan and Scott, from Strand Associates, on getting a handle on meeting the demand of our industries and the growth of that's happening in the region. We discussed developing a strategic planning section to get everyone's outlook regarding our prospective communities. Dan put together a questionnaire that can be given throughout the region and the Municipalities for its anticipated growth. Therefore, when we plan for the plant for the upcoming years when can do so with actual data on our capacity needs for the upcoming years. Secondly, would like to see KRMA utilize as an asset that it is in the region. Also, building a relationship with our academic institution so that KRMA can become the hub for wastewater treatment for career purposes and a pipeline for KRMA when we are looking to hire. Chairperson Wells-Armstrong passed it over to Dan. Dan passed out his industrial surveys explaining in detail the purpose, given a deadline return of January 15, 2020. Dan also passed out survey for the Municipalities, explaining in detail the purpose, given a deadline return of February 15, 2020. Larry stated since 1986 KRMA has been on the expense allocations procedure totally based on flows, is there a better way to do that, and does this study blend itself to investigating that. Dan answered, yes it does. This is going to get at, what are the flows and the mass of loadings, and they are totally independent of each other. KRMA has plenty of flow capacity, however, the loading capacity of the mass loadings is the current issue. No discussion.

VII. **Executive Session**

Motion to go into Executive Session to discuss Personnel, probable or imminent litigation and review of the Executive Session Minutes pursuant to Sections 2(C)(1), 2(C)(11), 2(C)(21) of the open meetings act, was made by: Dir. Brown and seconded by Dir. Kubal. Motion carried.

Roll call was taken, and all Board Members were present, with Chairperson Mayor Wells-Armstrong being present via phone.

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

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

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

Motion to approve the content Executive Session Minutes May 28, 2019, June 18, 2019, July 16, 2019, August 26, 2019, September 17, 2019 and October 15, 2019 made by Dir Brown and second by Dir Stump. Motion Carries with Dir Romo Abstain.

Roll call was taken, and all Board Members were present, with the exception of Dir Wakat and with Chairperson Mayor Wells-Armstrong being present via phone.

VIII. **Next Meeting**

**Next Regular Board Meeting- Tuesday, December 15, 2019 (3:00 P.M. in the KRMA Boardroom)**

Executive Director Dave Tyson will call in for the board meeting.

Motion to Adjourn was made by: Dir. Brown and seconded by Dir. Kubal. Motion carried.



*Providing Wastewater Treatment to the Kankakee River Valley*

# LIBERTY LANDFILL INSPECTED BY KRMA STAFF

**Monthly Operations Report**  
**November 2019**

**KRMA's NOVEMBER HIGHLIGHTS:**

The Kankakee River Metropolitan Agency would like to congratulate all our Hauled In Waste permitted facilities for passing their annual on-site inspections.

The Kankakee River Metropolitan Agency in effort to address plant capacity planning and future wastewater treatment needs, has issued a questionnaire survey to all its customers. The survey will also help to address new NPDES (National Pollutant Discharge Elimination System) permit requirements by the IEPA (Illinois Environmental Protection Agency) in which the treatment plant is regulated by.

The Agency has entered a contract with DTS (Data Transfer Solution) for the asset management software and implementation.

The month of November the KRMA staff was unable to meet the TSS (Total Suspended Solids) permit limit requirements 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)	469.02	290.16	112.194	65.113	1.555
Daily Average Flow (MGD)	15.63	9.67	3.740	2.170	0.052

### 3.0 EFFLUENT QUALITY

Table 3.1 summarizes the effluent quality data.

**Table 3.1**

*Effluent Quality*

	IEPA Limits	Effluent Average
<b>Biochemical Oxygen Demand (BOD) – Monthly Average</b>	<b>20 mg/l</b>	<b>9 mg/l</b>
<b>Total Suspended Solids (TSS) - Monthly Average</b>	<b>25 mg/l</b>	<b>26 mg/l</b>
<b>PH</b>	<b>6-9 SU</b>	<b>7.56 SU</b>
<b>Weak Acid Dissociable Cyanide</b>	<b>0.046 mg/l</b>	<b>0.0078 mg/l</b>
<b>Chlorine Residual</b>	<b>.05 mg/l</b>	<b>n/a</b>
<b>Fecal Coliform</b>	<b>400/100 ml</b>	<b>n/a</b>

### ODOR ISSUES:

- There was one odor complaint registered at the KRMA facility in November, reported from Bishop CT.
- There were no odor complaints registered at the East Gate site in November.

### 4.0 PERSONNEL

The Agency would like to Congratulate these KRMA employees for November work anniversaries. Thank you all for being such a valuable and loyal member of our team. Their knowledge, hard work and dedication is greatly appreciated.

Dan Comb, O&M Operation, 13 years

Bryan Kennedy, O&M Operation, 3 years



**5.0 MAINTENANCE AND REPAIR**

Number of Work Orders Closed for the Month:	844
Hours of Scheduled Work Orders Performed:	651.04

**6.0 SLUDGE HANDLING**

Gallons of sludge produced and sent to thickening:	1,771,000
Gallons of sludge put into storage after thickening:	755,000
Sludge removed from the plant for land application:	430,000
Sludge remaining in storage as of September 30st:	1,645,000

**7.0 WATER USAGE**

NOVEMBER 2019 (29 DAYS): 53,472 CU FT= 400,000 GALS. = \$2,840.87

NUMBER OF DAYS IN THE BILLING CYCLE: 29

# **ATTACHMENT**

**A**

**DMR Monthly Report**

11/1/2019 to 11/30/2019

Var #	452	159	119	236	454	351	113	237	386
Date	EFF FLOW MGD	001 Eff pH STD UNIT	FINAL EFF TSS mg/L	Weekly ave Eff TSS MG/L	EFF TSS LBS/D	Weekly Ave Eff TSS LBS/Day	EFF-C-BOD mg/l	Weekly Ave Eff C-BOD MG/L	EFF C-BOD lbs/day
11/1/2019	34.819	7.53	7		2,033				
11/2/2019	26.653		4	38	889	10,264	2	8	445
11/3/2019	22.708		9		1,704		3		568
11/4/2019	18.946	7.54	68		10,745		10		1,580
11/5/2019	17.230	7.74	36		5,173		4		575
11/6/2019	16.503	7.46	46		6,331		9		1,239
11/7/2019	15.907	7.52	43		5,705		7		929
11/8/2019	15.248	7.71	6		763				
11/9/2019	14.995		28	34	3,502	4,846	7	7	875
11/10/2019	14.290		37		4,410		6		715
11/11/2019	14.309		37		4,415		10		1,193
11/12/2019	13.760	7.17	18		2,066		18		2,066
11/13/2019	13.654	7.57	54		6,149		20		2,277
11/14/2019	13.422	7.54	43		4,813		14		1,567
11/15/2019	13.165	7.40	8		878				
11/16/2019	13.156		6	29	658	3,341	3	12	329
11/17/2019	13.193		13		1,430		4		440
11/18/2019	13.161	7.57	30		3,293		9		988
11/19/2019	12.929	7.60	32		3,450		12		1,294
11/20/2019	12.549	7.58	42		4,396		15		1,570
11/21/2019	15.396	7.62	44		5,650		12		1,541
11/22/2019	14.247	7.50	12		1,426				
11/23/2019	13.620		22	28	2,499	3,163	9	10	1,022
11/24/2019	13.375	7.68	25		2,789		7		781
11/25/2019	13.327	7.68	32		3,557		4		445
11/26/2019	13.295	7.51	39		4,324		7		776
11/27/2019	14.733	7.63	14		1,720				
11/28/2019	12.940		6		648				
11/29/2019	12.634		13		1,370				
11/30/2019	14.859		12	20	1,487	2,271	5	6	620

Minimum	12.549	7.17	4	20	648	2,271	2	6	329
Maximum	34.819	7.74	68	38	10,745	10,264	20	12	2,277
Average	15.634	7.56	26	30	3,276	4,777	9	9	1,036
Sum	469.023	143.55	786	149	98,273	23,886	197	43	23,834

# DMR Monthly Report

11/1/2019 to 11/30/2019

Var #	352	187	191	287	353	349	346	401	101
Date	WeeklyAverageEffCBOD LBS/Day	001 EFF CL2 mg/L	FECAL COLI 001 #/100ml	EFF WAD Cyanide mg/L	Eff WAD CN lbs/day	EFF SILVER mg/L	Eff Silver # lbs/day	TOTAL INF FLOW MGD	INFLUENT BOD mg/L
11/1/2019								34.82	
11/2/2019	2,220							26.65	160
11/3/2019								22.71	128
11/4/2019								18.95	236
11/5/2019								17.23	257
11/6/2019								16.50	300
11/7/2019				0.0100	1.327	0.0020	0.265	15.91	249
11/8/2019								15.25	
11/9/2019	961							15.00	179
11/10/2019								14.29	130
11/11/2019								14.31	293
11/12/2019								13.76	339
11/13/2019				0.0010	0.114	0.0020	0.228	13.65	363
11/14/2019								13.42	319
11/15/2019								13.17	
11/16/2019	1,358							13.16	318
11/17/2019								13.19	191
11/18/2019								13.16	310
11/19/2019				0.0100	1.078			12.93	286
11/20/2019								12.55	365
11/21/2019						0.0020	0.257	15.40	234
11/22/2019								14.25	
11/23/2019	1,142							13.62	136
11/24/2019								13.38	223
11/25/2019								13.33	423
11/26/2019				0.0100	1.109	0.0014	0.155	13.30	409
11/27/2019								14.73	
11/28/2019								12.94	
11/29/2019								12.63	
11/30/2019	655							14.86	282

Minimum	655			0.0010	0.114	0.0014	0.155	12.55	128
Maximum	2,220			0.0100	1.327	0.0020	0.265	34.82	423
Average	1,267			0.0078	0.907	0.0019	0.226	15.64	267
Sum	6,337			0.0310	3.628	0.0074	0.905	469.02	6,130

**DMR Monthly Report**

11/1/2019 to 11/30/2019

Var #	450	115	451	455	456
Date	INF BOD LOAD LBS/D	INFLUENT TSS mg/L	INF TSS LBS/D	BOD REMOVAL %	TSS REMOVAL %
11/1/2019		113	32,814		94
11/2/2019	35,566	155	34,454	99	97
11/3/2019	24,241	146	27,650	98	94
11/4/2019	37,290	146	23,069	96	53
11/5/2019	36,930	322	46,271	98	89
11/6/2019	41,291	224	30,830	97	79
11/7/2019	33,033	184	24,410	97	77
11/8/2019		58	7,376		90
11/9/2019	22,385	140	17,508	96	80
11/10/2019	15,493	144	17,162	95	74
11/11/2019	34,966	154	18,378	97	76
11/12/2019	38,903	46	5,279	95	61
11/13/2019	41,336	188	21,408	94	71
11/14/2019	35,709	138	15,448	96	69
11/15/2019		93	10,211		91
11/16/2019	34,891	168	18,433	99	96
11/17/2019	21,016	116	12,763	98	89
11/18/2019	34,026	98	10,757	97	69
11/19/2019	30,839	193	20,811	96	83
11/20/2019	38,200	146	15,280	96	71
11/21/2019	30,046	126	16,179	95	65
11/22/2019		114	13,545		89
11/23/2019	15,448	100	11,359	93	78
11/24/2019	24,875	256	28,556	97	90
11/25/2019	47,015	244	27,120	99	87
11/26/2019	45,350	342	37,921	98	89
11/27/2019		90	11,059		84
11/28/2019		138	14,893		96
11/29/2019		56	5,901		77
11/30/2019	34,947	203	25,157	98	94

Minimum	15,448	46	5,279	93	53
Maximum	47,015	342	46,271	99	97
Average	32,774	155	20,067	97	83
Sum	753,798	4,641	602,002	2,224	2,454

# **ATTACHMENT**

## **B**



**ATTACHMENT**

**C**





SAFETY MEETING  
December 12, 2019  
1:30 pm  
Agenda

**I. Safety Minutes**

Review minutes from November 2019

**II. Old Business**

A. One lost time accident for November 2019

B. Oil container/containment organization

- ✓ OilSafe distributor located (Motion Industries). Checking on pricing.

**III. New Business**

A. Safety Training & Literature

1. PPE – Your Last Layer of Protection
2. PPE Review Quiz

B. Safety Concerns

C. Safety Team Leader Report

Quarterly leadership transferred from Max Gossett to Mike Gowler

D. Open Discussion

1. O&M search update
2. Safety Grant

**Next Meeting: Tuesday, January 14, 2019 1:30pm**



SAFETY MEETING  
November 12, 2019  
1:30pm  
Minutes

**In attendance:**

Melanie Gossett, Facilitator

Dustin Scheppler

Dan Combs

Shawn Malone

Nick Scheppler

Ron Haney

Brian Power

Mike Gowler

Bryan Kennedy

Mike Arseneau

**Absent:**

Shaun Ownbey, Jack Renchen, Kurt Mraz, Jim Churney, Josh Peters; John Lund, Max Gossett

**I. Safety Minutes**

Minutes from October 10, 2019 were reviewed and approved.

**II. Old Business**

A. There were no lost time accidents for the month of October 2019.

B. Oil container/containment organization material has been researched. Pricing to be secured.

**III. New Business**

**A. Safety Training & Literature**

1. Training video *Winter Walking: Safe Walking in Hazardous Conditions* was presented.

2. Training video *Cold Stress – Working Safely in Cold Weather* was also presented.

**B. Safety Concerns**

None mentioned



# **ATTACHMENT**

**D**

## FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: KANKAKEE

FLOW METER MODEL: Siemens Hydro Ranger #2

INFLUENT December 1st, 2019

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 19.96 MGD

LEVEL AFTER: 19.96 MGD

### LEVEL FLOW CONVERSION CHECK:

WITH FLOW THRU PRIMARY DEVICE, CHECK LEVEL TO FLOW CONVERSION WITH HANDBOOK OR PRIMARY DEVICE DATA SHEET: YES/OK

### TOTALIZER CHECK:

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

CALIBRATED BY: BRIAN SCHEPPLER

DATE: 12/1/19

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

## FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: KANKAKEE

FLOW METER MODEL: Siemens Hydro Ranger #1

INFLUENT December 1st, 2019

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 20.0 MGD As Found 20.08 MGD LEVEL AFTER: 20.08 MGD

LEVEL FLOW CONVERSION CHECK:

WITH FLOW THRU PRIMARY DEVICE, CHECK LEVEL TO FLOW CONVERSION WITH HANDBOOK OR PRIMARY DEVICE DATA SHEET: YES/OK

TOTALIZER CHECK:

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

CALIBRATED BY: BRIAN SCHEPPLER

DATE: 12/1/19

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 December 1st, 2019

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 13.0" Level reading 13.017"

LEVEL AFTER: 13.017"

### LEVEL FLOW CONVERSION CHECK:

WITH FLOW THRU PRIMARY DEVICE, CHECK LEVEL TO FLOW CONVERSION WITH HANDBOOK OR PRIMARY DEVICE DATA SHEET: YES/OK

### TOTALIZER CHECK:

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

CALIBRATED BY: BRIAN SCHEPPLER

DATE: 12/1/2019

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 December 1st, 2019

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?

### 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 24.460"

LEVEL AFTER: 24.131"

### LEVEL FLOW CONVERSION CHECK:

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

### TOTALIZER CHECK:

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

CALIBRATED BY: Brian Scheppler

DATE 12/1/2019

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



## FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: KANKAKEE/RIVERLANE

FLOW METER MODEL: Isco Signature

INFLUENT December 1st, 2019

PRIMARY DEVICE: PHARSHAL

FLOW: 0-516 GPM 0-13.20 IN

MEASURING DEVICE: ULTRASONIC

### CHECK POINTS:

LEVEL? YES

FREE FLOWING? Yes

TURBULENCE? NO

BLOCKAGE? Rags in discharge (Cleaned)

SURFACE BUILD-UP? NO

HEAD MEASURING DEVICE MOUNTED PROPERLY?

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY?

### 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 24.259"

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:

### TOTALIZER CHECK:

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

CALIBRATED BY: Brian Scheppler

DATE: 12/1/2019

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

**FIELD CALIBRATION SHEET**

COMPANY: KRMA

CITY: Kankakee Influent

FLOW METER MODEL: Isco Laser Flow

INFLUENT December 2nd, 2019

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 46" As found 46.404"

LEVEL AFTER: 45.957"

**LEVEL FLOW CONVERSION CHECK:**

WITH FLOW THRU PRIMARY DEVICE, CHECK LEVEL TO FLOW CONVERSION WITH HANDBOOK OR PRIMARY DEVICE DATA SHEET: YES/OK

**TOTALIZER CHECK:**

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

CALIBRATED BY: BRIAN SCHEPPLER

DATE: 12/2/2019

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

**FIELD CALIBRATION SHEET**

COMPANY: KRMA

CITY: BOURBONNAIS/New

FLOW METER MODEL: Isco Laser Flow

INFLUENT December 2nd, 2019

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 17.75" As found 17.214"

LEVEL AFTER: 17.214" 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: 12/2/2019

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

**ATTACHMENT**

**E**

DATE: **November 2019**

TO: Kankakee River Metropolitan Agency Board

FROM: Melanie Gossett, Assistant Superintendent Technical Services

RE: November 2019 Report on KRMA's Pretreatment Program – Trucked-in Wastewater

---

A. November 2019 pretreatment sample analyses (metals, cyanide & VOA) for the permitted industries were a total of **72** samples and a total of **498** analyses.:

GML	8 samples	NGPL	4 samples
Kankakee RDF	0 sample	Hoffman	2 samples
Laraway	6 sample	Prairie View	10 samples
Solvay	0 samples	Newton Co.	12 samples
Liberty	12 samples	Livingston	8 samples
TCS	10 samples		

B. Volumes received for November 2019 from trucked-in industries:

Newton Co.	2,007,993 gals	297 loads
Prairie View RDF	335,518 gals	56 loads
Kankakee RFD	0 gals	0 loads
Laraway RDF	303,034 gals	48 loads
Natural Gas Pipeline (NGPL)	45,000 gals	9 loads
Gilster-Mary Lee (GML)	114,500 gals	20 loads
Hoffman Transportation	10,000 gals	2 loads
Solvay	0 gals	0 loads
Liberty Landfill	667,247 gals	105 loads
Livingston Landfill	139,581 gals	22 loads
Tank Cleaning Solutions	142,499 gals	28 loads
<b>Total</b>	<b>3,765,372 gals</b>	<b>587 loads</b>

C. The KRMA facility received a total of **210 loads** of septage which totaled **621,800 gallons** for the month of November 2019.

D. The monthly reports prepared:

1. NPDES Report
2. Plant Flow Summary Report
3. Trucked-in Haulers User Charge Bills (13)
4. Trucked-in Haulers Loading Report
5. Trucked-in Haulers Flow Summary

Date	Kankakee RDF	Laraway RDF	NGPL	Glister-ML	PrairieView	Hoffman Transportation	Newton Co. Landfill	Newton Co. Stormwater	Solvay	Livingston Landfill	Liberty Landfill	TCS	Monthly Total	# Loads
2019														
January	0	81,714	65,000	89,300	247	20,000	2,265,461	0	22,191	154,898	705,546	173,588	3,577,945	588
February	0	5,034	95,000	88,950	15,070	15,000	2,122,561	431,070	16,669	182,643	707,195	162,657	3,841,849	605
March	0	5,621	90,000	79,600	57,976	10,000	2,113,636	0	16,716	124,091	867,683	184,994	3,550,317	550
April	0	0	105,000	84,200	0	15,000	3,179,752	0	0	189,431	868,506	180,716	4,622,605	713
May	0	24,501	160,000	84,800	88,110	25,000	3,606,794	798,776	11,064	279,272	537,263	161,740	5,777,320	896
June	0	0	75,000	74,200	5,965	15,000	2,232,065	0	0	145,875	503,838	131,349	3,183,292	497
July	14,000	38,207	100,000	47,700	29,122	25,000	2,462,490	0	0	140,822	543,740	143,988	3,545,069	561
August	0	103,174	65,000	81,200	160,998	25,000	1,425,608	722,862	0	120,134	425,798	130,570	3,260,344	502
September	0	32,638	70,000	102,000	23,707	10,000	2,247,301	0	0	137,140	502,310	179,210	3,304,306	503
October	14,000	613,261	75,000	136,000	539,155	0	2,166,746	0	0	170,855	620,461	174,473	4,508,951	711
November	0	303,034	45,000	114,500	335,518	10,000	2,007,993	0	0	139,581	667,247	142,499	3,765,372	587
December														
<b>TOTAL</b>	<b>28,000</b>	<b>1,207,184</b>	<b>945,000</b>	<b>982,450</b>	<b>1,255,868</b>	<b>170,000</b>	<b>25,829,407</b>	<b>1,952,708</b>	<b>66,640</b>	<b>1,784,742</b>	<b>6,949,587</b>	<b>1,765,784</b>	<b>42,937,370</b>	<b>6,683</b>

Average 2,545 109,744 85,909 89,314 114,170 15,455 2,348,128 177,519 6,058 162,249 631,781 160,526 3,903,397 608

5/1/2015 4.7 4.7 6.8 6.8 4.7 4.7 4.7 4.7 11.0 4.7

As of 5/1/2016 4.9 4.9 7.1 7.1 4.9 4.9 4.2 2.0 11.4 4.9 4.9 7.1

LeachateTOTAL1.xls