

AGENDA

KANKAKEE RIVER METROPOLITAN AGENCY MEETING

Thursday, November 17, 2022

9:00 AM in KRMA Board Room

1600 Brookmont Blvd., Kankakee, IL 60901

I. Roll Call

II. Public Comment

III. Approval of Board Minutes

- A. October 27, 2022 – Regular Board Meeting

IV. Reports

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

V. Old Business

- A. CSL Update
B. Bradley Property Update
C. ICP Machine
D. Republic Contract
E. Security Updates

VI. New Business

- A. Resolution for Approval of an Intergovernmental Agreement with Kankakee County Concerning E-Waste.
B. Approval of \$40,000 payment to Atlas Copco for KRMA portion of installation cost pursuant to 2C of Settlement Agreement
C. Review and Consideration of 2023 Agenda and Board Meetings Dates
D. Presentation and Acceptance of Audited Financial Statements for FYE April 30, 2022

VII. Executive Session

- A. Personnel, Collective Bargaining Agreement, & Probable or Imminent Litigation

VIII. Next Meeting

Thursday, December 15, 2022 (9:00 AM in KRMA Boardroom)

KANKAKEE RIVER METROPOLITAN AGENCY
MINUTES
October 27, 2022 – 9:00 A.M
1600 W Brookmont Blvd.

In attendance:

Board of Directors:

Mayor Paul Schore, Village of Bourbonnais
Alderman Danita Swanson, City of Kankakee
Alderman Larry Osenga, City of Kankakee
Steven Hunter, Representative, City of Kankakee
Alderman David Crawford, Alternate, City of Kankakee
Public Works Director Terry Memenga, Alternate, Village of Bradley

Administration:

Dave Tyson, KRMA Executive Director
Carmen Huizenga, Smith, Koelling, Dykstra & Ohm, P.C

Attorney:

Neal Smith, Robbins Schwartz

KRMA Staff:

Art Strother, Superintendent
Melanie Gossett, Asst. Superintendent of Technical Services
Dustin Scheppler, Asst. Superintendent of O & M

Other:

Ryan McGinnis, City of Kankakee
Dan Small, Strand Associates
Ben Wilson, Kankakee County Planning Department
Andrew Wheeler, Kankakee County Board

Vice Chairman, Mayor Schore called the meeting to order

I. Roll Call

Roll Call was taken. All Board members were present except for Mayor Christopher Curtis, Mayor Brian Stump and Financial Director Robert Romo. Alternate Alderman David Crawford, City of Kankakee, sitting in for Chairman Christopher Curtis for deciding vote, Alternate Public Works Director Terry Memenga, Village of Bradley, sitting in for Financial Director Robert Romo for deciding vote.

II. Public Comment

None

III. Approval of Board Minutes September 22, 2022 - Regular Board Meeting

Motion to approve the September 22, 2022, Regular Board Meeting minutes was made by: Dir Hunter and seconded by Dir Osenga. Superintendent Art Strother stated corrections to be reflected in the September 22, 2022, minutes under the Operation & Maintenance Report: Art stated even if we got rid of all the industry, KRMA will still be operating at 80% of its design just from the population of the community. Should have read, "if we got rid of all the sludge haulers". Also, each person produces 1.7lbs of BOD a day. Should have read, ".17lbs of BOD a day". All board members present, and Alternate David Crawford and Alternate Terry Memenga voted in favor of, Chairman Christopher Curtis, Dir Brian Stump, and Dir Robert Romo absent. Motion Carried.

IV. **Reports**

A. **Operations & Maintenance Report**

1. **Monthly Report**

Art stated that last month we had dry weather, low flow, however, our loading to the plant is above our design. Our normal range of flow is 13.5 to 16.5 mg. Art emphasized on graphs of BOD, NH₃, and TSS in Attachment A of the MOR, stating we are still in the red, which is not good for the plant and why management feels KRMA needs to move forward with the expansion, so we are able to handle the loadings that are coming into the plant. As of right now, we are on the edge of not being able to handle the loadings. Dir Hunter concurred with Art stating, since we are approaching above our limits of BOD, this gives more justification for the need of a plant expansion.

B. **Executive Director Report**

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

Exec. Dir. Dave Tyson presented the yearly utility usage. Exec Dir Tyson stated everything is in the normal. Our natural gas is higher than usual because we are currently getting billed by Nicor who's per therm rate is higher. We have switched from Symmetry to Engie; therefore, we will be asking Engie Gas to give us a rebate for the difference in therm.

3. **Hauled In Waste Summary**

Exec. Dir. Tyson stated hauled in waste is strong and back up over 3.3 million gallons again. Liberty is the top distributor, however, we are also getting more waste from Laraway due to them changing some things out, so we expect for them to drop back down once changes are complete because they usually recycle their water.

Operations Report

Exec Dir Dave Tyson stated we have a NARP meeting today, October 27, 2022 at 11 am and extended the invitation to board members. He presented the proposed agenda and board meeting dates for review.

C. **Financial Report**

1. **Reports**

Carmen Huizenga introduces herself, stating she here representing SKDO in the absence of Karen Benson. Carmen presented the financial statements, stating compared to the prior year, September cash is up. Statement of Revenues, Expenses and Changes in Net Position, hauled in waste is still running above budget for the month of September and YTD. General Liability Insurance is over budget for September and YTD due to paying before third quarter, therefore it should even out. Overall expenses are below YTD budget.

2. **Hauled In Waste Report**

Carmen stated hauled in waste is still running above budget for the September and YTD.

3. **Flows Graphs**

Carmen presented the yearly flows.

D. **Communications**

1. **Burling Professional Cleaners, Inc.**

Exec Dir Tyson informed the board members of the notification we received from Burling Professional Cleaners. No action is needed.

2. **CMOM Update**

Exec Dir Tyson informed the board members that an early submittal of the CMOM was sent to IEPA.

3. **Kimley Horn Letter**

Exec Dir Tyson informed the board members that we should have everything put together and sent out by next week. Dir Hunter asked are they going to compensate our staff for the time in gathering information, since it was not a FOIA request? Exec Dir Tyson replied, no, at this point it has not been very time consuming, because the staff had most of information of file. Vice Chairman Schore stated he feels a member of the board should not have to FOIA request anything; it should be available to all members.

V. **Old Business**

A. **CSL Update**

Exec Dir Tyson stated CSL should be online with their ammonia pretreatment as of November 7, 2022.

B. **NARP Update**

1. **Approval of Strand 2023 NARP Proposal**

Exec Dir Tyson stated they will be hosting their 2nd public NARP meeting today at 11 am.

C. **Bradley Property**

No update

D. **ICP Machine**

No update

E. **Republic Contract**

Exec Dir Tyson stated that the contract is in the hands of Republic's Attorneys. Attorney Neal stated they have not reached out to him. Vice Chairman Schore stated that he had a discussion with Republic Services about the contract too.

F. **Security Updates**

Exec Dir Tyson stated we have contacted an agency to come out to see if we can install keyless entry to Building 10. Also, we were able to capture one of the trespassers and the police was called. The trespasser was taken into custody and charged, and the parents were issued a ticket. We have not had any vandalism since then. Dir Osenga asked, are we adding more cameras? Exec Dir Tyson replied, yes. Chairman Curtis is overseeing the camera installation.

VI. **New Business**

A. **Kankakee County E-Waste Contract**

Ben Wilson introduces himself. He presented a pamphlet showing Kankakee County e-waste data for each municipality within the County. He discussed the pricing for KRMA and the surrounding communities who participate and stated that proof of location is being taken, therefore, residents within communities that are not participating in the program will get charged individually for their e-waste. He's asking KRMA to amend the IGA to extend the contract to 2024. Terry Memenga stated the Village of Bradley has closed their drop site as of September 30, 2022, because they were getting e-waste from all over not just their community. He also added that the data in the pamphlet from Bradley community is incorrect because of the drop off site. Going forward since the site has closed the Village of Bradley percentage will reflect only the Village of Bradley. Motion to draft a proposed e-waste contract was made by Dir Swanson and seconded by Dir Osenga. All board members present, and Alternate David Crawford and Alternate Terry Memenga voted in favor of, Chairman Christopher Curtis, Dir Brian Stump, and Dir Robert Romo absent. Motion Carried.

B. **Resolution Approving IntraFi Network Deposits DDA-MMDA Deposit Placement Agreement with Midland States Bank 4881-2245-3817v1**

Motion to approve Resolution Approving IntraFi Network Deposits DDA-MMDA Deposit Placement Agreement with Midland States Bank 4881-2245-3817v1 was made by Dir Swanson and seconded by Dir Osenga. All board members present, and Alternate David Crawford and Alternate Terry Memenga voted in favor of, Chairman Christopher Curtis, Dir Brian Stump, and Dir Robert Romo absent. Motion Carried.

C. **Resolution Approving Custodial Agreement with Midland States Bank 4861-1121-9257v1**

Motion to approve Resolution Approving Custodial Agreement with Midland States Bank 4861-1121-9257v1 was made by Dir Swanson and seconded by Dir Osenga. All board members present, and Alternate David Crawford and Alternate Terry Memenga voted in favor of, Chairman Christopher Curtis, Dir Brian Stump, and Dir Robert Romo absent. Motion Carried.

D. **Audit Update**

Carmen presented the draft audit. Vice Chairman Schore informed Carmen that a statement needs to be corrected. Page 28: Defeased Debt: "On August 31, 2021, The Village of Bourbonnais, a participant of the Agency, sold its portion of the WWTP to Aqua Illinois, Inc." Should read, "Village of Bourbonnais, sold a portion of our collection system to Aqua Illinois, Inc." He stated Aqua does not have any ownership with KRMA. Aqua is a customer of the Village of Bourbonnais.

VII. **Executive Session**

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

Motion to go into Executive Session to discuss Personnel and Collective Bargaining Agreement; and probable or imminent litigation pursuant to Sections 2(c)(11) of the open meetings act, was made by: Dir. Hunter and seconded by: Dir. Swanson. Motion carried.

Roll call was taken, and all board members present, and Alternate David Crawford sitting in for Chairman Christopher Curtis and Alternate Terry Memenga sitting in for Dir Robert Romo. Chairman Christopher Curtis, Dir Brian Stump, and Dir Robert Romo absent.

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

Motion to exit Executive Session was made by: Dir. Osenga and seconded by: Dir Crawford. Motion carried.

Roll call was taken, and all Board Members and Alternate David Crawford sitting in for Chairman Christopher Curtis and Alternate Terry Memenga sitting in for Dir Robert Romo. Chairman Christopher Curtis, Dir Brian Stump, and Dir Robert Romo absent.

Motion to return to Open Session was made by: Dir. Osenga and seconded by: Dir Crawford. Motion carried.

Roll call was taken, and all Board Members and Alternate David Crawford sitting in for Chairman Christopher Curtis and Alternate Terry Memenga sitting in for Dir Robert Romo. Chairman Christopher Curtis, Dir Brian Stump, and Dir Robert Romo absent.

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

VIII. **Next Meeting**

Next Regular Board Meeting- **Thursday, November 17, 2022 (9:00 A.M. at KRMA Board Room)**

Motion to Adjourn was made by: Dir Swanson and seconded by Dir Osenga. All board members present voted in favor of. Motion Carried.



Providing Wastewater Treatment to the Kankakee River Valley



Monthly Operations Report

October 2022

KRMA's OCTOBER HIGHLIGHTS:

With the effort to have quarterly meetings for the (NARP) Nutrient Assessment Reduction Plan for the Kankakee River Watershed Stakeholders, a meeting was held at the KRMA facility. The quarterly meetings are in preparation for the upcoming Nutrient Loss Reduction Strategy.

In accordance with Special Condition 16 of KRMA's NPDES Permit, KRMA has provided the CMOM plan prepared by KRMA's four satellite member municipalities: City of Kankakee and Villages of Aroma Park, Bourbonnais, and Bradley to the IEPA.

Date, time, and documents were prepared for plant inspection next month with the Regional Representative, Al Gonzalez. The last plant inspection was pre-covid 2019.

The month of October, the agency had violation of fecal coliform daily permit which was reported to IEPA. There were no other violations for 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)	316.41	207.36	78.126	29.974	0.949
Daily Average Flow (MGD)	10.21	6.69	2.520	0.967	0.031

3.0 EFFLUENT QUALITY

Table 3.1 Summarizes the effluent quality data.

Table 3.1
Effluent Quality

	IEPA Limits	Effluent Average
Biochemical Oxygen Demand (BOD) – Monthly Average	20 mg/l	5 mg/l
Total Suspended Solids (TSS) - Monthly Average	25 mg/l	14 mg/l
PH	6-9 SU	7.24 SU
Chlorine Residual	0.05 mg/l	0.019 mg/l
Fecal Coliform	400/100 ml	49/100 ml

ODOR ISSUES:

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

4.0 PERSONNEL

The Agency would like to say HAPPY BIRTHDAY to all the employees born in October.

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:	1110
Hours of Scheduled Work Orders Performed:	643.31

6.0 SLUDGE HANDLING

Start Date: 10/01/2022
End Date: 10/31/2022

Gallons of sludge produced and sent to thickening:	3,223,484.00
Gallons of sludge put into storage after thickening:	1,106,400.00
Sludge removed from the plant for land application:	3,355,200.00
Sludge remaining in storage as of November 30th:	1,125,000.00

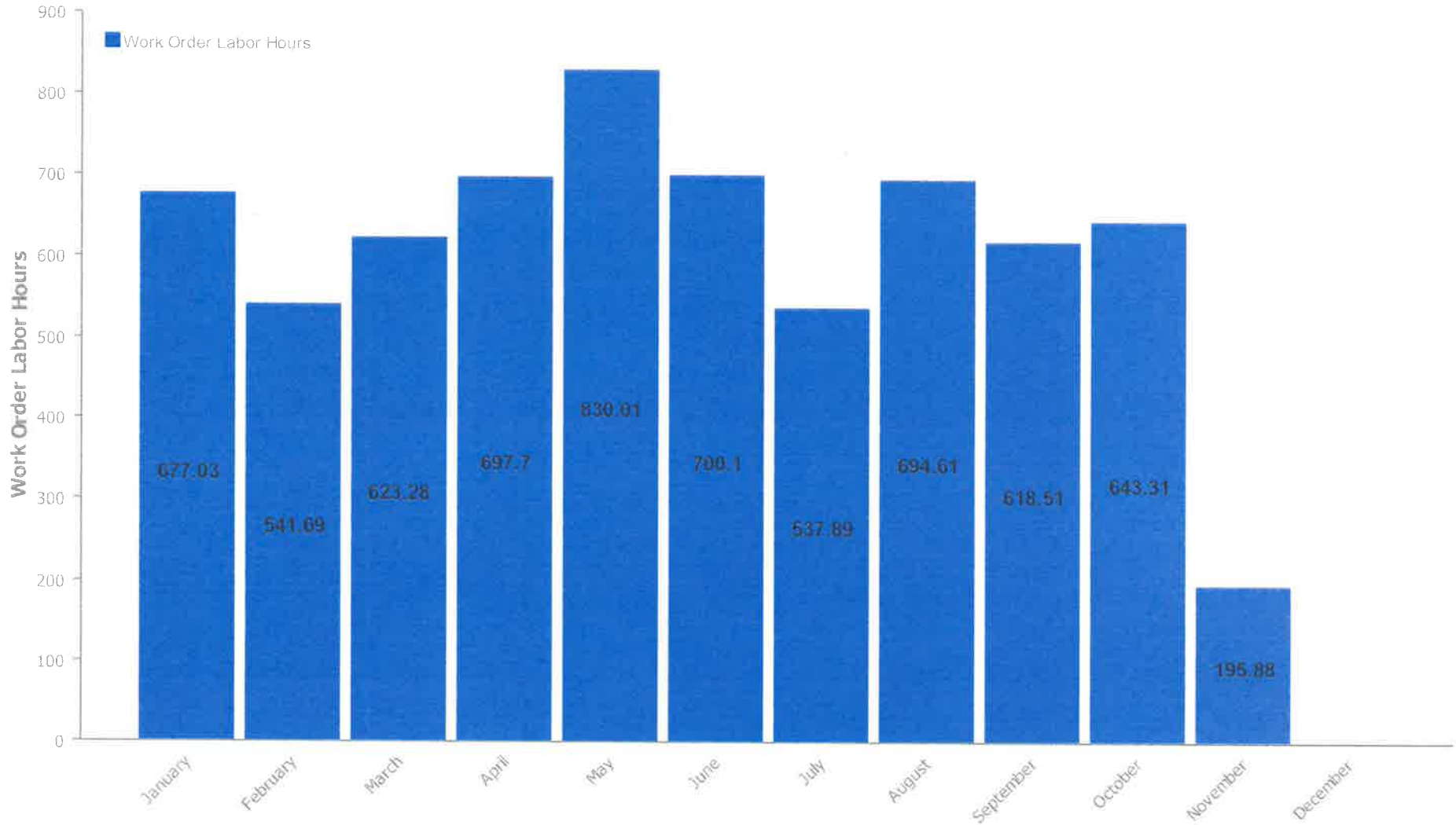
7.0 WATER USAGE

OCTOBER 2022 (29 DAYS): 38,874 CU FT= 290,800 GALS. = \$2,580.79

NUMBER OF DAYS IN THE BILLING CYCLE: 29

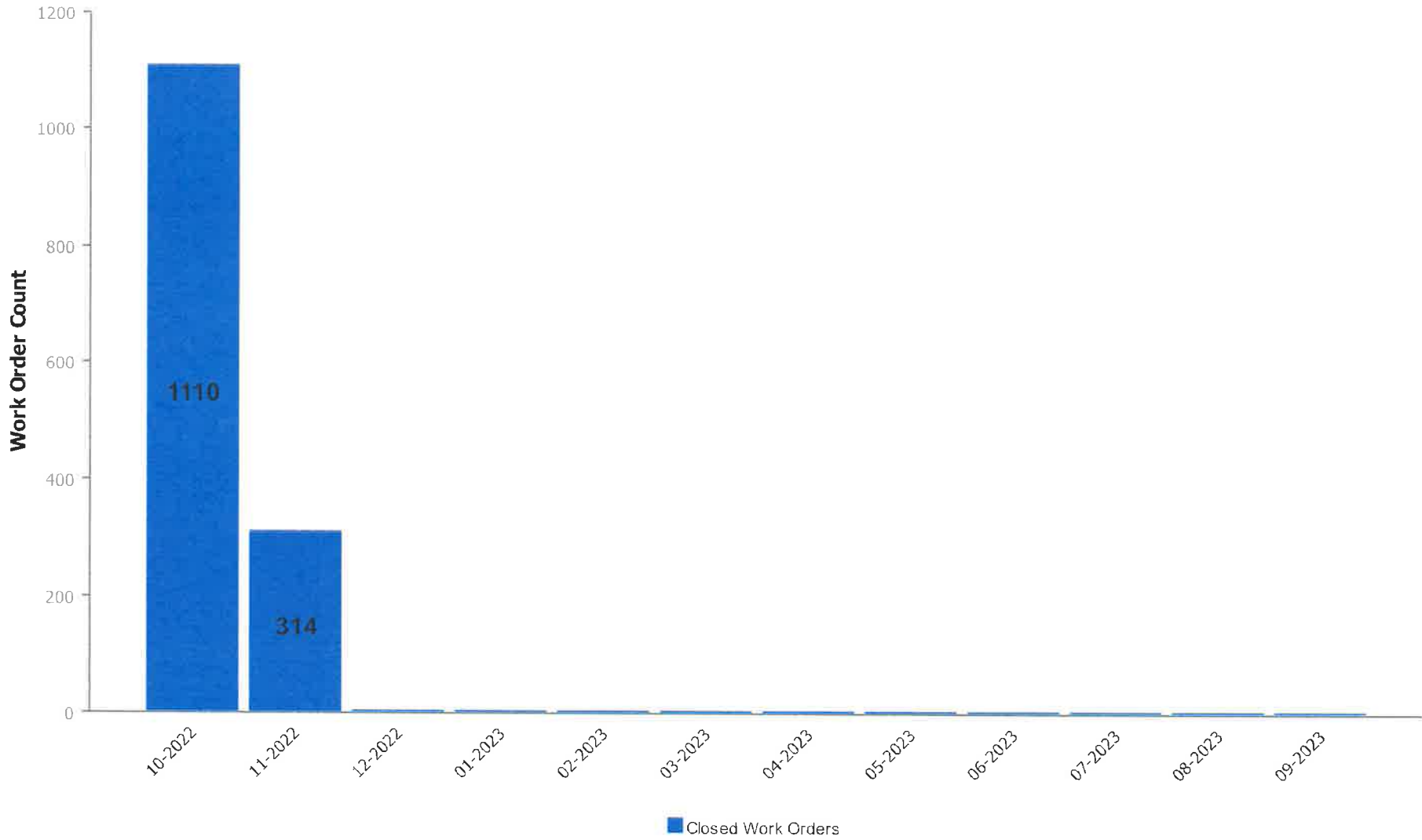
Work Order Labor Hours by Month

2022



Work Orders Closed By Month

From October, 2022 to September, 2023



ATTACHMENT

A

DMR Monthly Report

10/1/2022 to 10/31/2022

Var #	452	159	119	236	454	351	113	237	386
	EFF FLOW	001 Eff pH	FINAL EFF TSS	Weekly ave Eff TSS	EFF TSS	WeeklyAveEffTSS	EFF-C-BOD	Weekly Ave EffCBOD	EFF C-BOD
Date	MGD	STD UNIT	mg/L	MG/L	LBS/D	LBS/Day	mg/l	MG/L	lbs/day
10/1/2022	9.082		13	14	985	1,090	4	5	303
10/2/2022	8.974		14		1,048		5		374
10/3/2022	8.952	7.10	14		1,045		5		373
10/4/2022	9.031	7.28	16		1,205		5		377
10/5/2022	9.130	7.42	15		1,142		7		533
10/6/2022	9.048	7.37	14		1,056		7		528
10/7/2022	9.056	7.38	12		906				
10/8/2022	8.921		14	14	1,042	1,064	6	6	446
10/9/2022	8.840		12		885		5		369
10/10/2022	8.837	7.37	13		958		4		295
10/11/2022	9.870	7.33	14		1,152		5		412
10/12/2022	11.089	7.29	16		1,480		3		277
10/13/2022	11.205	7.10	11		1,028		4		374
10/14/2022	10.057	7.23	13		1,090				
10/15/2022	9.710		14	13	1,134	1,104	4	4	324
10/16/2022	9.571		12		958		4		319
10/17/2022	9.163	7.30	10		764		4		306
10/18/2022	9.268	7.14	12		928		4		309
10/19/2022	9.286	7.22	11		852		4		310
10/20/2022	9.308	7.29	13		1,009		5		388
10/21/2022	9.416	7.25	14		1,099				
10/22/2022	9.297		16	13	1,241	979	5	4	388
10/23/2022	9.373		15		1,173		5		391
10/24/2022	9.221	7.27	17		1,307		6		461
10/25/2022	15.582	7.21	25		3,249		8		1,040
10/26/2022	15.813	6.99	12		1,583		6		791
10/27/2022	15.957	7.15	8		1,065		5		665
10/28/2022	11.465	7.18	7		669				
10/29/2022	10.488		13	14	1,137	1,455	4	6	350
10/30/2022	10.305		13		1,117		4		344
10/31/2022	11.093	7.21	18		1,665		5		463

Minimum	8.837	6.99	7	13	669	979	3	4	277
Maximum	15.957	7.42	25	14	3,249	1,455	8	6	1,040
Average	10.207	7.24	14	14	1,160	1,138	5	5	426
Sum	316.408	152.08	421	68	35,972	5,690	133	25	11,509

Limit		Range 6-9	25	45	5213	9383	20	40	4,170
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DMR Monthly Report

10/1/2022 to 10/31/2022

Var #	352	187	191	401	101	450	115	451	455
	WeeklyAverageEffCBOD	001 EFF CL2	FECAL COLI 001	TOTAL INF FLOW	INFLUENT BOD	INF BOD LOAD	INFLUENT TSS	INF TSS	BOD REMOVAL
Date	LBS/Day	mg/L	#/100ml	MGD	mg/L	LBS/D	mg/L	LBS/D	%
10/1/2022	347			9.08	295	22,344	1,210	91,650	99
10/2/2022				8.97	217	16,241	996	74,544	98
10/3/2022		0.001	25	8.95	586	43,751	496	37,031	99
10/4/2022		0.012	16	9.03	582	43,835	392	29,525	99
10/5/2022		0.023	7	9.13	529	40,280	328	24,975	99
10/6/2022		0.006	5	9.05	479	36,145	512	38,636	99
10/7/2022		0.024	4	9.06			382	28,851	
10/8/2022	439			8.92	380	28,272	303	22,544	98
10/9/2022				8.84	302	22,265	252	18,579	98
10/10/2022		0.026	17	8.84	418	30,807	202	14,888	99
10/11/2022		0.028	10	9.87	415	34,161	293	24,119	99
10/12/2022		0.028	588	11.09	302	27,930	236	21,826	99
10/13/2022		0.025	3	11.21	395	36,913	304	28,409	99
10/14/2022		0.024	3	10.06			252	21,137	
10/15/2022	342			9.71	291	23,566	212	17,168	99
10/16/2022				9.57	282	22,510	230	18,359	99
10/17/2022		0.016	18	9.16	457	34,924	170	12,991	99
10/18/2022		0.020	17	9.27	426	32,928	276	21,333	99
10/19/2022		0.017	12	9.29	467	36,167	240	18,587	99
10/20/2022		0.021	14	9.31	474	36,796	358	27,791	99
10/21/2022		0.038	12	9.42			320	25,129	
10/22/2022	337			9.30	367	28,456	244	18,919	99
10/23/2022				9.37	272	21,262	230	17,979	98
10/24/2022		0.007	6	9.22	396	30,454	166	12,766	98
10/25/2022		0.011	14	15.58	239	31,059	131	17,024	97
10/26/2022		0.007	26	15.81	324	42,729	77	10,155	98
10/27/2022		0.006	212	15.96	444	59,088	201	26,749	99
10/28/2022		0.018	17	11.47			112	10,709	
10/29/2022	616			10.49	216	18,894	244	21,343	98
10/30/2022				10.31	182	15,642	232	19,939	98
10/31/2022		0.031	4	11.09	361	33,398	108	9,992	99

Minimum	337	0.001	3	8.84	182	15,642	77	9,992	97
Maximum	616	0.038	588	15.96	586	59,088	1,210	91,650	99
Average	416	0.019	49	10.21	374	31,512	313	25,279	99
Sum	2,081	0.389	1,030	316.41	10,098	850,817	9,709	783,646	2,661

Limit	8,340	0.05	400						
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DMR Monthly Report

10/1/2022 to 10/31/2022

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 Phosphorus- TP(TNT) mg/l	Effluent Total Nitrogen mg/l
10/1/2022	99	6.39	7.46	6.93	6.99				
10/2/2022	99	6.50	7.57	7.04		0.23	17.29	0.22	
10/3/2022	97	6.98	7.65	7.32		0.05	3.73	0.27	
10/4/2022	96	7.48	7.60	7.54		0.46	34.42	0.27	
10/5/2022	95	7.28	7.54	7.41		0.41	30.91	0.28	13.72
10/6/2022	97	7.13	7.27	7.20		0.63	47.77	0.30	
10/7/2022	97	7.23	7.36	7.30					
10/8/2022	95	7.40	7.52	7.46	7.32				
10/9/2022	95	7.33	7.48	7.41		0.23	17.25	1.50	
10/10/2022	94	7.34	7.50	7.42		0.18	13.27	1.50	
10/11/2022	95	7.11	7.34	7.23		0.27	22.14	1.69	
10/12/2022	93	7.06	7.23	7.15		0.25	23.12	0.84	10.22
10/13/2022	96	7.20	7.35	7.28		0.25	23.18	0.74	
10/14/2022	95	7.31	7.33	7.32					
10/15/2022	93	7.43	7.48	7.46	7.32				
10/16/2022	95	7.46	7.57	7.52		0.05	3.99	0.40	8.90
10/17/2022	94	7.60	7.70	7.65		0.05	3.82	0.88	
10/18/2022	96	7.63	7.72	7.68		0.33	25.82	0.35	
10/19/2022	95	7.62	7.64	7.63		0.05	3.87	0.33	
10/20/2022	96	7.61	7.55	7.58		0.31	23.68	0.26	
10/21/2022	96	7.47	7.49	7.48					
10/22/2022	93	7.29	7.35	7.32	7.55				
10/23/2022	93	7.33	7.34	7.34		0.21	16.26	0.34	
10/24/2022	90	7.33	7.30	7.32		0.17	13.38	0.38	
10/25/2022	81	7.26	6.91	7.09		2.10	272.90	0.55	14.28
10/26/2022	84	7.56	7.25	7.41		0.34	44.18	0.33	
10/27/2022	96	7.71	7.98	7.85		0.15	19.43	0.51	
10/28/2022	94	7.63	7.91	7.77					
10/29/2022	95	7.48	7.74	7.61	7.48				
10/30/2022	94	7.50	7.72	7.61		0.05	4.30	0.19	
10/31/2022	83	7.39	7.57	7.48		1.62	149.88	0.28	

Minimum	81	6.39	6.91	6.93	6.99	0.05	3.73	0.19	8.90
Maximum	99	7.71	7.98	7.85	7.55	2.10	272.90	1.69	14.28
Average		7.32	7.50	7.41	7.33	0.38	37.03	0.56	11.78
Sum	2,914	227.04	232.42	229.73	36.67	8.38	814.58	12.42	47.12

Limit				<i>min >4.0</i>	>4.5	7.9	1647		
				<i>avg >6.0</i>					

DMR Monthly Report

10/1/2022 to 10/31/2022

Var #
Date
10/1/2022
10/2/2022
10/3/2022
10/4/2022
10/5/2022
10/6/2022
10/7/2022
10/8/2022
10/9/2022
10/10/2022
10/11/2022
10/12/2022
10/13/2022
10/14/2022
10/15/2022
10/16/2022
10/17/2022
10/18/2022
10/19/2022
10/20/2022
10/21/2022
10/22/2022
10/23/2022
10/24/2022
10/25/2022
10/26/2022
10/27/2022
10/28/2022
10/29/2022
10/30/2022
10/31/2022

1044	1048	1045	102	116	1046	1047
Fecal Coliform at EQ Basin	EQ Basin Residual Chlorine	EQ Basin pH	EQ Basin_BOD	EQ Basin_TSS	EQ Basin Ammonia Nitrogen	EQ Basin Total Phosphorus
col/100ml	mg/l		mg/L	mg/L	mg/l	mg/l

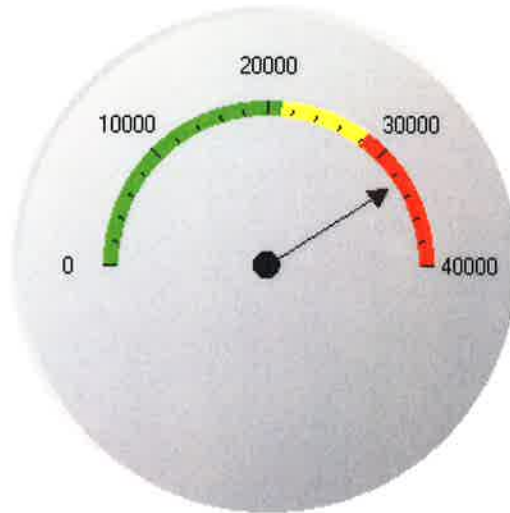
Minimum
Maximum
Average
Sum

400	0.75	Range 6-9				
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Influent BOD loading Lbs - Monthly AVG

32,651 Lbs./Day

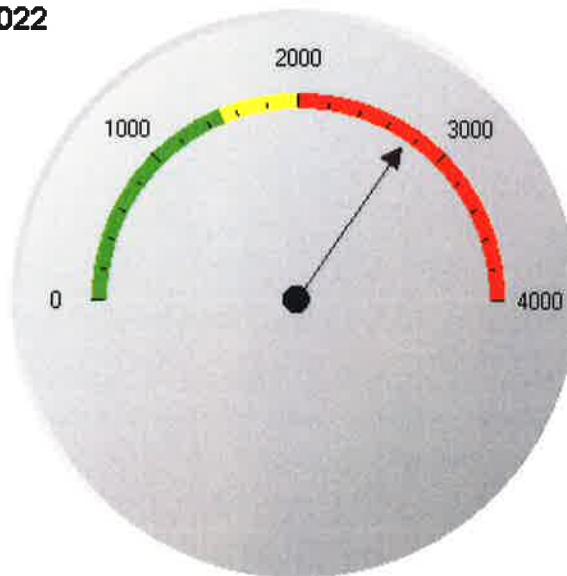
10/01/2022 - 10/31/2022



Influent NH3 loading Lbs - Monthly AVG

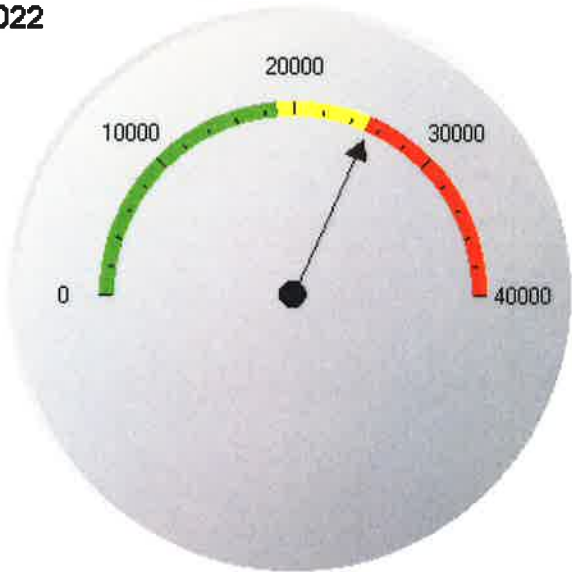
2,750 Lbs./Day

10/01/2022 - 10/31/2022



Influent TSS loading Lbs - Monthly AVG
10/01/2022 - 10/31/2022

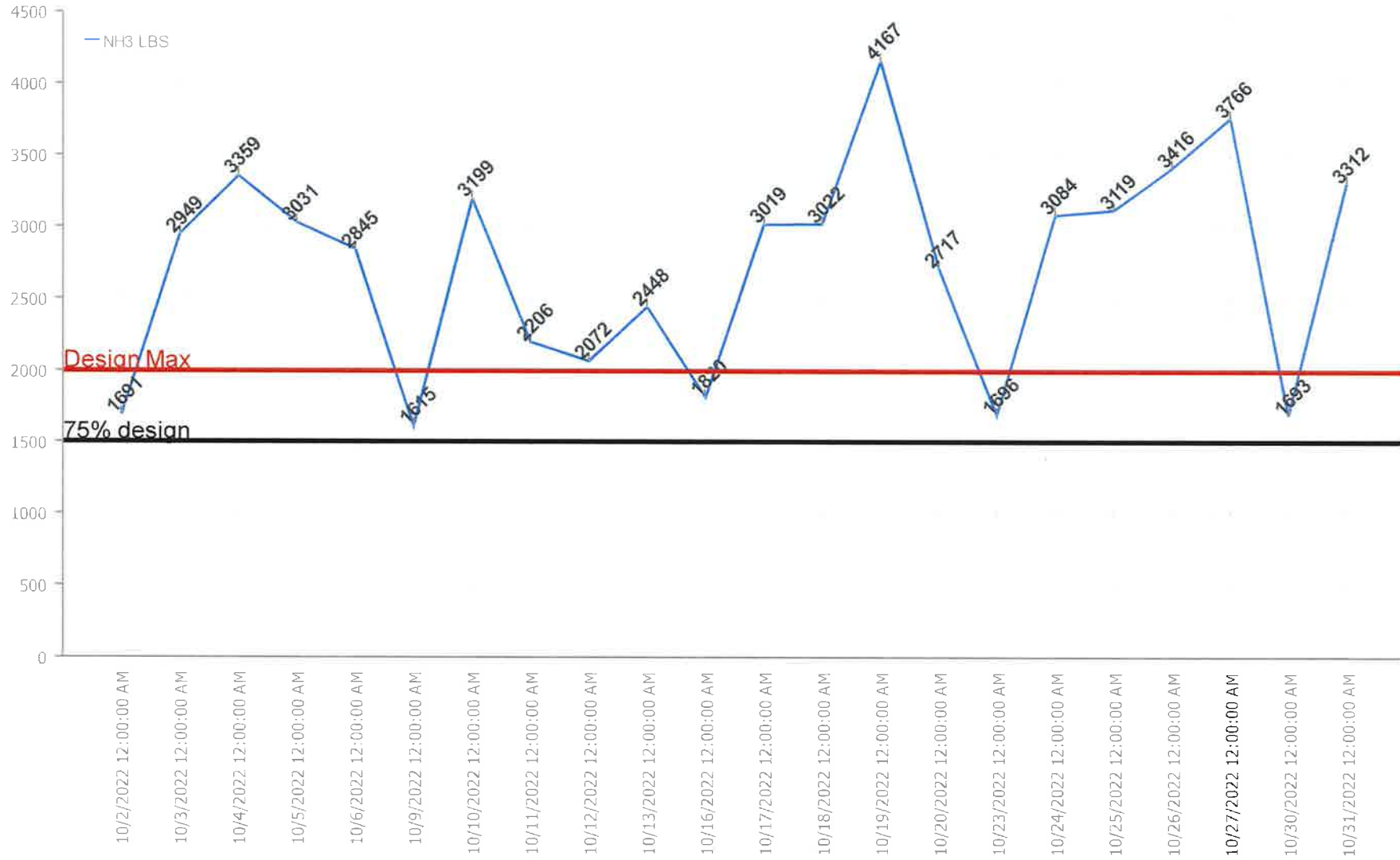
25,279 Lbs./Day



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

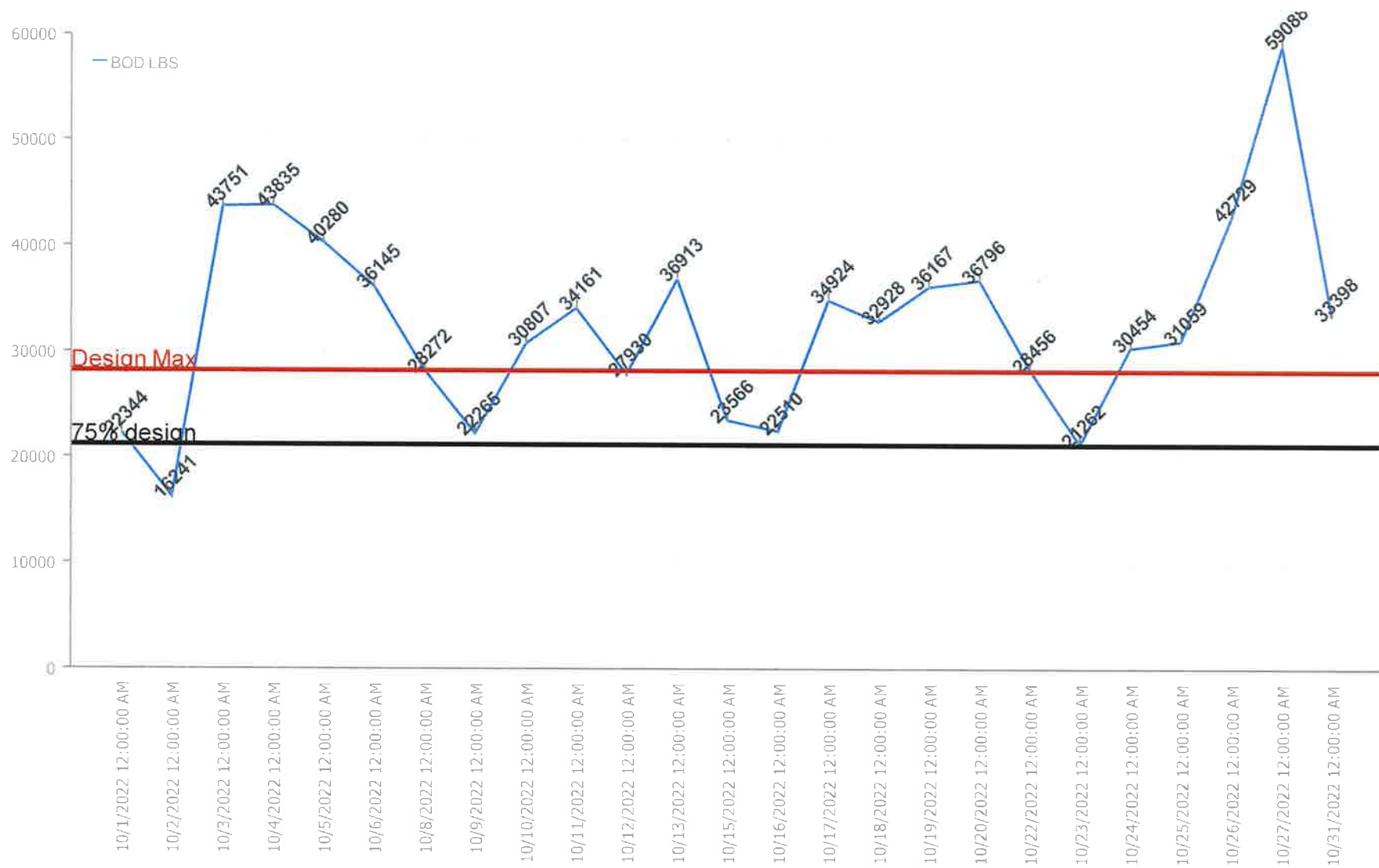
KRMA influent NH3 pounds

Average Lbs. NH3: 2,738.45



KRMA influent BOD pounds

Average Lbs. BOD: 32,651.24



ATTACHMENT

B

ATTACHMENT

C



SAFETY MEETING
October 13, 2022
9:30am & 1:30pm
Minutes

In attendance:

9:30am session:

Melanie Gossett, Facilitator

Shaun Ownbey	Dan Combs	Nick Scheppler	Mike Gowler
John Lund	Nick Tucker	Andy Summers	RJ Tyson

1:30pm session:

Melanie Gossett, Facilitator

Jack Renchen	Jim Churney	Josh Peters	Bryan Kennedy
Max Gossett	Mike Arseneau	Alex Bowser	

Absent:

Shawn Malone, Ron Haney

I. Safety Minutes

Reviewed minutes from September 20, 2022 – Approved

II. Old Business

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

III. New Business

A. Safety Training

1. The IPRF video clip *Back Safety Update* was presented.
2. The IPRF Risk Reminder handout: Back Exercises was discussed.

B. Safety Concerns

1. All GMC truck seats need to be replaced.
 - ✓ Permission granted to purchase seats where needed.
2. Shaun O. has placed a bucket on the DAFT pressure tank discharge to reduce the noise it produces.

C. Safety Team Report

No additional concerns mentioned.

D. Open Discussion

1. Everyone was reminded of the free flu shot offered by the City of Kankakee.
2. A safety supply update was given:
 - a. Retractable key chains have been purchased to carry keys for locked buildings.
 - b. Voltage tester with thermometers are available and kept in Melanie's office.
 - c. Ninja gloves (for cold weather) will be available next week. See Suzy.
 - d. 2-way radio has been purchased and is located by the battery charging equipment in building #66.
3. Vehicle keys will be kept in the lock box located in building #66. Please place the keys in the box at the end of your shift. The Envoy key will be kept on top of the lock box in the utility closet of Building #10 (outside Melanie's office) if it needs to be moved for snow removal.
4. Can a new plow kit be purchased for current plow truck?
 - ✓ Existing plow/plow connections have been inspected and found operable.
5. A Thanksgiving Potluck is being planned for Friday, November 18th @12. A sign-up will be forthcoming.
6. It was suggested that heat tape be placed on the #7 sampler intake to prepare for winter weather.

Next Meeting: **Tuesday, November 15, 2022**
9am and 1pm
CPR/AED/Basic First Aid training



**SAFETY MEETING
November 15, 2022
9am & 1pm
Agenda**

I. Safety Minutes

Review minutes from October 2022

II. Old Business

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

III. New Business

A. Safety Training

CPR/AED/Basic First Aid training

B. Safety Concerns

C. Safety Team Leader Report

D. Open Discussion

1. Friday, November 18th @12 KRMA Thanksgiving Potluck
2. Toys for Tots toy drive

Next Meeting: Thursday, December 8, 2022 9:30am & 1:30pm

ATTACHMENT

D

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: KANKAKEE/BROOKMONT

FLOW METER MODEL: ISCO Signature

INFLUENT November 3rd, 2022

PRIMARY DEVICE: PHARSHAL

FLOW: 0-516 GPM 0-13.20 IN

MEASURING DEVICE: ULTRASONIC

CHECK POINTS:

LEVEL? YES

FREE FLOWING? YES

TURBULENCE? NO

BLOCKAGE? No

SURFACE BUILD-UP? NO

HEAD MEASURING DEVICE MOUNTED PROPERLY?

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 24.091"

LEVEL AFTER: 24.122"

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 11/3/2022

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

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: KANKAKEE

FLOW METER MODEL: Siemens Hydro Ranger #1

Influent November 3rd, 2022

PRIMARY DEVICE: Flume

FLOW: 0-73 MGD

MEASURING DEVICE: Ultrasonic

CHECK POINTS:

LEVEL? YES

FREE FLOWING? Yes

TURBULENCE? No

BLOCKAGE? NO

SURFACE BUILD-UP? No

HEAD MEASURING DEVICE MOUNTED PROPERLY? YES

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? YES

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 21 MGD AS Found 21.3 MGD

LEVEL AFTER: 21.04 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: 11/3/2022

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

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: BRADLEY/ RIVER DRIVE

FLOW METER MODEL: Isco Signature

INFLUENT November 3rd, 2022

PRIMARY DEVICE: PHARSHAL

FLOW: 0-21.36

MEASURING DEVICE: ULTRASONIC

CHECK POINTS:

LEVEL? YES

FREE FLOWING? Yes

TURBULENCE? Yes

BLOCKAGE? NO

SURFACE BUILD-UP? NONE

HEAD MEASURING DEVICE MOUNTED PROPERLY? YES

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? YES

CALIBRATION:

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

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

LEVEL BEFORE:

LEVEL AFTER:

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

LEVEL BEFORE: Target 8.5" Level reading 8.551"

LEVEL AFTER: 8.496"

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: 11/3/2022

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

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: KANKAKEE

FLOW METER MODEL: Siemens Hydro Ranger #2

INFLUENT November 3rd, 2022

PRIMARY DEVICE: Flume

FLOW: 0-73.425 MGD

MEASURING DEVICE: Ultrasonic

CHECK POINTS:

LEVEL? YES

FREE FLOWING? Yes

TURBULENCE? NO

BLOCKAGE? NO

SURFACE BUILD-UP? No

HEAD MEASURING DEVICE MOUNTED PROPERLY? YES

BLOCKAGE IN HEAD MEASURING DEVICE? NO

IS FLOW METER PROGRAMMED CORRECTLY? YES

CALIBRATION:

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

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

LEVEL BEFORE:

LEVEL AFTER:

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

LEVEL BEFORE: Target Set 21 MGD AS Found 20.87 MGD

LEVEL AFTER: 21.06 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: 11/3/2022

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

FIELD CALIBRATION SHEET

COMPANY: KRMA

CITY: KANKAKEE/RIVERLANE

FLOW METER MODEL: Isco Signature

INFLUENT November 3rd, 2022

PRIMARY DEVICE: PHARSHAL

FLOW: 0-516 GPM 0-13.20 IN

MEASURING DEVICE: ULTRASONIC

CHECK POINTS:

LEVEL? YES

FREE FLOWING?

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

Had to reset meter no reading on level

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 24.141

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: 11/3/22

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

ATTACHMENT

E

October 2022 Monthly Pretreatment Sample Analysis (metals, cyanide & VOA) for the permitted industries were a total of **63 samples** and a total of **469 analyses**.

Gilster-Mary Lee Corporation	8 Samples
Hoffman Transportation, LLC	5 Samples
Laraway Recycling & Disposal Facility	1 Sample
Liberty Landfill, LLC	8 Samples
Livingston Landfill	4 Samples
Natural Gas & Pipeline Co. of America	2 Samples
Newton County Landfill	11 Samples
Prairie View RDF	8 Samples
Tank Cleaning Solutions, LLC	11 Samples
Verdant Specialty Solutions US LLC	4 Samples
Zutat Feed Solutions	1 Sample

Volumes Received for October 2022 for trucked-in industries.

Gilster-Mary Lee Corporation	72,000 gals	12 loads
Hoffman Transportation, LLC	145,000 gals	29 loads
Laraway Recycling & Disposal Facility	6,293 gals	1 load
Liberty Landfill, LLC	498,880 gals	75 loads
Livingston Landfill	113,059 gals	17 loads
Natural Gas & Pipeline Co. of America	20,000 gals	4 loads
Newton County Landfill	674,367 gals	100 loads
Prairie View RDF	243,397 gals	44 loads
Tank Cleaning Solutions, LLC	211,775 gals	41 loads
Verdant Specialty Solutions US LLC	55,592 gals	10 loads
Zutat Feed Solutions	12,000 gals	2 loads
Totals:	2,052,363 gals	335 loads

The KRMA Facility received a total of **201 loads** of septage which totalled **632,800 gallons** for the month of October 2022

KRMA YEARLY UTILITY USAGE - (2022)

KRMA ELECTRIC ENERGY USE										KRMA WATER USE				
	Total KWH	Days	Total Cost \$/month	Total Cost \$/day	Hydro KWH	Methane KWH	Champion Energy KWH	KWH/HR (Avg)	\$/KWH	Gallons	Days	Total Cost \$/Billing Period	Gallons/Day	Total Cost \$/day
JANUARY	926,221	33	\$ 48,890	\$ 1,482	-	226815	699,406	1,169	\$ 0.0528	320,300	29	\$ 2,632	11,045	91
FEBRUARY	874,128	30	\$ 48,209	\$ 1,607	-	214,428	659,700	1,214	\$ 0.0552	307,600	28	\$ 2,558	10,986	91
MARCH	896,607	30	\$ 47,153	\$ 1,572	-	241,821	654,786	1,245	\$ 0.0526	384,800	33	\$ 3,173	11,661	96
APRIL	972,082	30	\$ 51,107	\$ 1,704	-	241,821	730,261	1,350	\$ 0.0526	347,700	29	\$ 2,939	11,990	101
MAY	836,456	30	\$ 17,168	\$ 572	-	218,621	617,835	1,162	\$ 0.0205	394,800	30	\$ 3,236	13,160	108
JUNE	849,358	33	\$ 36,521	\$ 1,107	-	198,450	650,908	1,072	\$ 0.0430	421,900	33	\$ 3,408	12,785	103
JULY	794,405	31	\$ 27,377	\$ 883	-	154,896	639,509	1,068	\$ 0.0345	345,200	29	\$ 2,923	11,903	101
AUGUST	726,065	30	\$ 25,128	\$ 838	-	141,409	584,656	1,008	\$ 0.0346	404,500	30	\$ 3,298	13,483	110
SEPTEMBER	829,491	33	\$ 29,719	\$ 901	-	127691	701,800	1,047	\$ 0.0358	358,200	32	\$ 3,007	11,194	94
OCTOBER	130,308	30	\$ 28	\$ 1	-	130,201	107	181	\$ 0.0002	290,800	29	\$ 2,580	10,028	89
NOVEMBER	0			#DIV/0!	-			#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!
DECEMBER	0			#DIV/0!	-			#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!
TOTAL	7,835,121	310	\$ 331,299	#DIV/0!	0	1,896,153	5,938,968	#DIV/0!	#DIV/0!			\$ 29,754	#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	51,246	31	\$ 37,075	1653	\$ 1,196
FEBRUARY	43,653	28	\$ 37,415	1559	\$ 1,336
MARCH	35,597	31	\$ 4,867	1148	\$ 157
APRIL	28,698	31	\$ 19,547	926	\$ 631
MAY	14,086	32	\$ 12,908	440	\$ 403
JUNE	9,996	31	\$ 11,155	322	\$ 360
JULY	10,385	31	\$ 9,017	335	\$ 291
AUGUST	9,622	31	\$ 13,912	310	\$ 449
SEPTEMBER	5,788	19	\$ 3,973	305	\$ 209
OCTOBER	15,829	30	\$ 10,570	528	\$ 352
NOVEMBER				#DIV/0!	#DIV/0!
DECEMBER				#DIV/0!	#DIV/0!
TOTAL	224,900	295	\$ 160,437	#DIV/0!	#DIV/0!
	Therms	Days	Total Cost \$/Billing Period	Therms/Day	Total Cost \$/day



Annual Load / Gallon Totals

2022

Month Received	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	Momence Packing	Natural Gas & Pipeline Co. of America	Newton County Landfill	Peoria Packing Co.	Prairie View RDF	Prairie View-Will County RNG Plant	Tank Cleaning Solutions, LLC	Verdant Specialty Solutions US LLC	Zutat Feed Solutions	Total	# Loads
January	28,000	15,000					1,208,778	146,664		35,000	1,181,402		115,368		196,412		12,000	2,938,624	458
February	58,000		14,000				1,318,935	158,796	7,000	60,000	896,898		118,370		183,522		12,000	2,827,521	449
March	96,000	65,000			5,683		1,498,168	207,236	53,000	115,000	1,041,338		323,444		198,195	71,715	36,000	3,710,779	601
April	42,000	40,000	14,000				1,303,356	158,234	60,300	75,000	995,618		304,706		198,904	77,697	30,000	3,299,815	524
May	68,000	55,000					1,108,083	125,314	18,000	65,000	927,230		241,557		205,067	94,429	18,000	2,925,680	466
June	62,000	95,000					1,164,068	197,366		20,000	914,338	11,500	204,094		206,864	76,791	6,000	2,958,041	474
July	58,000	150,000			5,633		1,088,668	178,890	12,000	45,000	481,498		245,748		204,468	55,507	18,000	2,543,412	416
August	64,000	170,000	42,000				1,183,579	165,483		25,000	884,689	5,500	431,523		215,049	122,128	24,000	3,332,951	544
September	54,000	150,000	35,000		584,552		1,068,958	144,665		25,000	743,168		250,693		205,120	38,833	18,000	3,317,989	542
October	72,000	145,000			6,293		498,880	113,059		20,000	674,367		243,397		211,775	55,592	12,000	2,052,363	335
November																			
December																			
Totals	602,000	920,000	119,000		602,161		11,560,661	1,628,966	150,300	490,000	8,879,873	17,000	2,527,370		2,051,418	598,245	192,000	30,338,994	4,879
Average	60,200	83,636	11,900		60,216		1,050,969	148,087	18,787	44,545	807,261	1,888	229,760		186,492	54,385	17,454	2,758,090	444
Treatment Costs as of 05/01/22	0.086	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.086	0.086	0.08	0.086	0.059	0	0.086	0.138	0.082		
Treatment Costs as of 05/01/21	0.082	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.082	0.082	0.056	0.082	0.056	0	0.082	0.131	0.071		



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

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

Hauler	Gallons	Lbs TSS	Lbs BOD
Gilster-Mary Lee Corporation	72,000	2,566	4,711
Hoffman Transportation, LLC	145,000	1,318	2,930
Laraway Recycling & Disposal Facility	6,293	2	8
Liberty Landfill, LLC	498,880	677	8,300
Livingston Landfill	113,059	1,064	7,511
Natural Gas & Pipeline Co. of America	20,000	72	100
Newton County Landfill	674,367	4,841	99,401
Prairie View RDF	243,397	1,148	24,865
Tank Cleaning Solutions, LLC	211,775	388	4,261
Verdant Specialty Solutions US LLC	55,592	315	11,505
Zutat Feed Solutions	12,000	424	449
Totals:	2,052,363	12,815	164,040

IV-C-3

Kankakee Flows				Bradley Flows				Bourbonnais Flows				Aroma Park Flows					
YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	TOTALS	TOTALS
5/31/2020	789,460	69.59%	64.37%	164,256	164,256	14.48%	13.22%	177,175	177,175	15.62%	22.09%	3,597	3,597	0.32%	0.32%	1134,488	1,000
6/30/2020	1076,880	84.89%	64.37%	221,396	57,140	12.90%	13.22%	274,153	96,978	21.89%	22.09%	5,022	1,425	0.32%	0.32%	442,963	1,000
7/31/2020	1362,330	61.84%	64.37%	284,103	62,707	13.59%	13.22%	386,186	112,033	24.27%	22.09%	6,391	1,369	0.30%	0.32%	461,559	1,000
8/31/2020	1564,720	63.60%	64.37%	315,787	31,684	9.96%	13.22%	469,109	82,923	26.06%	22.09%	7,612	1,221	0.38%	0.32%	318,218	1,000
9/30/2020	1750,230	60.84%	64.37%	350,402	34,615	11.35%	13.22%	552,734	83,625	27.43%	22.09%	8,760	1,148	0.38%	0.32%	304,898	1,000
10/31/2020	1928,540	61.69%	64.37%	381,570	31,168	10.78%	13.22%	631,131	78,397	27.13%	22.09%	9,906	1,146	0.40%	0.32%	289,021	1,000
11/30/2020	2100,530	60.39%	64.37%	411,927	30,357	10.66%	13.22%	712,454	81,323	28.56%	22.09%	11,018	1,112	0.39%	0.32%	284,782	1,000
12/31/2020	2290,440	60.13%	64.37%	448,455	36,528	11.56%	13.22%	800,681	88,227	27.93%	22.09%	12,204	1,186	0.38%	0.32%	315,851	1,000
1/31/2021	2504,930	59.77%	64.37%	488,313	39,858	11.11%	13.22%	903,640	102,959	28.69%	22.09%	13,732	1,528	0.43%	0.32%	358,835	1,000
2/28/2021	2741,880	62.40%	64.37%	530,226	41,913	11.04%	13.22%	1003,243	99,603	26.23%	22.09%	14,996	1,264	0.33%	0.32%	379,730	1,000
3/31/2021	3027,860	57.99%	64.37%	597,803	67,577	13.70%	13.22%	1141,533	138,290	28.04%	22.09%	16,321	1,325	0.27%	0.32%	493,172	1,000
4/30/2021	3279,530	64.42%	64.37%	639,472	41,669	10.67%	13.22%	1237,733	96,200	24.62%	22.09%	17,450	1,129	0.29%	0.32%	390,668	1,000
			64.37%														
	3279,530	63.383%			639,472	12.359%			1237,733	23.921%			17,450	0.337%		5174,185	12,000
Kankakee Flows				Bradley Flows				Bourbonnais Flows				Aroma Park Flows					
YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	TOTALS	TOTALS
5/31/2021	346,570	65.99%	63.38%	60,497	60,497	11.52%	12.36%	116,826	116,826	22.24%	23.92%	1,290	1,290	0.25%	0.34%	525,183	1,000
6/30/2021	634,090	66.76%	63.38%	103,540	43,043	9.99%	12.36%	215,789	98,963	22.98%	23.92%	2,460	1,170	0.27%	0.34%	430,696	1,000
7/31/2021	930,320	70.61%	63.38%	137,501	33,961	8.10%	12.36%	304,021	88,232	21.03%	23.92%	3,562	1,102	0.26%	0.34%	419,525	1,000
8/31/2021	1162,810	67.69%	63.38%	166,665	29,165	8.49%	12.36%	384,716	80,695	23.49%	23.92%	4,699	1,137	0.33%	0.34%	343,487	1,000
9/30/2021	1369,410	66.65%	63.38%	193,616	26,950	8.69%	12.36%	460,262	75,546	24.37%	23.92%	5,600	0,901	0.29%	0.34%	309,997	1,000
10/31/2021	1787,590	67.50%	63.38%	265,529	71,913	11.61%	12.36%	587,784	127,522	20.58%	23.92%	7,475	1,875	0.30%	0.34%	619,490	1,000
11/30/2021	2068,130	65.59%	63.38%	314,880	49,351	11.54%	12.36%	684,120	96,336	22.52%	23.92%	8,937	1,462	0.34%	0.34%	427,689	1,000
12/31/2021	2315,330	60.47%	63.38%	362,817	47,937	11.73%	12.36%	796,476	112,356	27.48%	23.92%	10,246	1,309	0.32%	0.34%	408,802	1,000
1/31/2022	2567,800	64.39%	63.38%	408,584	45,767	11.67%	12.36%	889,113	92,637	23.63%	23.92%	11,455	1,209	0.31%	0.34%	392,083	1,000
2/28/2022	2952,230	66.67%	63.38%	471,548	62,964	10.92%	12.36%	1016,840	127,727	22.15%	23.92%	12,972	1,517	0.26%	0.34%	576,638	1,000
3/31/2022	3301,220	61.44%	63.38%	539,845	68,297	12.02%	12.36%	1165,653	148,813	26.20%	23.92%	14,880	1,908	0.34%	0.34%	568,008	1,000
4/30/2022	3673,760	63.95%	63.38%	608,424	68,579	11.77%	12.36%	1305,059	139,406	23.93%	23.92%	16,901	2,021	0.35%	0.34%	582,546	1,000
	3673,760	65.554%			608,424	10.857%			1305,059	23.287%			16,901	0.302%		5604,144	12,000
Kankakee Flows				Bradley Flows				Bourbonnais Flows				Aroma Park Flows					
YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	YTD Actual Flows	Actual Flows	% of Total	Estimated %	TOTALS	TOTALS
5/31/2022	327,190	63.29%	65.55%	59,684	59,684	11.54%	10.86%	128,467	128,467	24.85%	23.29%	1,632	1,632	0.32%	0.30%	516,973	1,000
6/30/2022	589,310	67.13%	65.55%	36,566	36,566	9.36%	10.86%	90,737	90,737	23.24%	23.29%	1,047	1,047	0.27%	0.30%	390,470	1,000
7/31/2022	845,820	69.25%	65.55%	32,633	32,633	8.81%	10.86%	80,160	80,160	21.64%	23.29%	1,083	1,083	0.29%	0.30%	370,386	1,000
8/31/2022	1073,610	68.05%	65.55%	27,078	27,078	8.09%	10.86%	78,806	78,806	23.54%	23.29%	1,089	1,089	0.33%	0.30%	334,763	1,000
9/30/2022	1270,980	66.81%	65.55%	24,400	24,400	8.26%	10.86%	72,615	72,615	24.58%	23.29%	1,022	1,022	0.35%	0.30%	295,407	1,000
10/31/2022	1478,340	65.54%	65.55%	29,974	29,974	9.47%	10.86%	78,126	78,126	24.69%	23.29%	0,949	0,949	0.30%	0.30%	316,409	1,000
11/30/2022	1478,340	0.00%		29,974		0.00%		78,126		0.00%		0,949		0.00%		0,000	0,000
12/31/2022	1478,340	0.00%		29,974		0.00%		78,126		0.00%		0,949		0.00%		0,000	0,000
1/31/2023	1478,340	0.00%		29,974		0.00%		78,126		0.00%		0,949		0.00%		0,000	0,000
2/28/2023	1478,340	0.00%		29,974		0.00%		78,126		0.00%		0,949		0.00%		0,000	0,000
3/31/2023	1478,340	0.00%		29,974		0.00%		78,126		0.00%		0,949		0.00%		0,000	0,000
4/30/2023	1478,340	0.00%		29,974		0.00%		78,126		0.00%		0,949		0.00%		0,000	0,000
	1478,340	66.460%			210,335	9.456%			528,911	23.778%			6,822	0.307%		2224,408	6,000

Flows
KRMA Treatment Facility
October, 2022

Date	PRECIPITA INCHES	PLANT MGD	Kankakee MGD	BOURB. MGD	BradleyFlow MGD	AromaPark MGD
10/1/2022	0.00	9.08	6.03	2.189	0.827	0.035
10/2/2022	0.00	8.97	5.97	2.114	0.855	0.036
10/3/2022	0.00	8.95	6.00	2.147	0.777	0.027
10/4/2022	0.00	9.03	6.01	2.233	0.761	0.027
10/5/2022	0.00	9.13	6.25	2.102	0.747	0.030
10/6/2022	0.03	9.05	6.14	2.126	0.757	0.029
10/7/2022	0.00	9.06	6.20	2.071	0.750	0.031
10/8/2022	0.00	8.92	6.04	2.049	0.805	0.031
10/9/2022	0.00	8.84	5.88	2.076	0.856	0.031
10/10/2022	0.00	8.84	5.84	2.127	0.842	0.031
10/11/2022	0.48	9.87	6.56	2.372	0.914	0.029
10/12/2022	0.56	11.09	6.93	2.994	1.138	0.031
10/13/2022	0.00	11.21	7.58	2.705	0.893	0.029
10/14/2022	0.22	10.08	6.62	2.500	0.908	0.033
10/15/2022	0.00	9.71	6.17	2.606	0.805	0.033
10/16/2022	0.00	9.57	6.09	2.513	0.931	0.033
10/17/2022	0.00	9.16	5.90	2.402	0.825	0.032
10/18/2022	0.00	9.27	6.10	2.311	0.833	0.028
10/19/2022	0.00	9.29	6.15	2.282	0.823	0.026
10/20/2022	0.00	9.31	6.18	2.273	0.832	0.025
10/21/2022	0.00	9.42	6.36	2.201	0.823	0.029
10/22/2022	0.00	9.30	6.18	2.214	0.870	0.029
10/23/2022	0.07	9.37	6.17	2.291	0.882	0.029
10/24/2022	0.04	9.22	6.21	2.192	0.795	0.029
10/25/2022	1.90	15.58	9.31	4.064	2.172	0.039
10/26/2022	0.00	15.81	9.07	4.778	1.935	0.035
10/27/2022	0.00	15.96	11.63	3.113	1.185	0.028
10/28/2022	0.00	11.47	7.54	2.855	1.037	0.032
10/29/2022	0.00	10.49	6.65	2.699	1.107	0.032
10/30/2022	0.05	10.31	6.48	2.720	1.070	0.032
10/31/2022	0.00	11.08	7.14	2.807	1.119	0.029
Total	3.33	316.41	207.36	78.126	29.974	0.949
Average	0.11	10.21	6.69	2.520	0.967	0.031
Minimum	0.00	8.84	5.84	2.049	0.747	0.025
Maximum	1.90	15.96	11.63	4.778	2.172	0.039
# of data	31	31	31	31	31	31

KRMA Agenda Meetings @ 10am for 2023

Thursday, January 12, 2023
Thursday, February 19, 2023
Thursday, March 09, 2023
Thursday, April 13, 2023
Thursday, May 11, 2023
Thursday, June 8, 2023
Thursday, July 13, 2023
Thursday, August 10, 2023
Thursday, September 14, 2023
Thursday, October 12, 2023
Thursday, November 2, 2023
Thursday, December 7, 2023

KRMA Board of Directors Meetings @ 9am for 2023

Thursday, January 26, 2023
Thursday, February 23, 2023
Thursday, March 23, 2023
Thursday, April 27, 2023
Thursday, May 25, 2023
Thursday, June 22, 2023
Thursday, July 27, 2023
Thursday, August 24, 2023
Thursday, September 28, 2023
Thursday, October 26, 2023
Thursday, November 16, 2023
Thursday, December 21, 2023