VEENSTRA & KIMM INC.
1800 5th Avenue
Rock Island, Illinois 61201

309.786.7590 // 877.241.8010
www.v-k.net

July 29, 2022

Angela Acord, P.E.
U.S. Environmental Protection Agency-Region 7
Water, Wetlands and Pesticides Division
11201 Renner Boulevard
Lenexa, KS 66219

WEST LIBERTY, IOWA
DOCKET NO. CWA-07-2017-0208
SIX MONTH REPORT – JANUARY THROUGH JUNE 2022

Iowa NPDES Permit No.:	7073001
Issuance Date:	October 2, 1991
Permit Extension Date:	October 1, 1996
Re-issuance Date:	September 1, 2013
Expiration Date:	August 31, 2022
Amendment Date:	October 1, 2017
EPA No.	IA0031691

Name and Mailing Address of Applicant:
City of West Liberty
City Hall
West Liberty, Iowa 52776

Identity and Location of Facility:
West Liberty Wastewater Treatment Facility
Section 13, T78N, R4W, Muscatine County, Iowa

In response to the Findings of Violation and Order for Compliance Docket No. CWA-07-2017-0208, on behalf of the City of West Liberty, Iowa, below are the items requested to be part of this six-month report:

A. Work in Progress/Completed

- West Liberty Foods is planning a new facility in West Liberty and will provide a tighter storm/sanitary system.

- Facility Plan for high strength digestor between the City and West Liberty Foods is being planned with a Facility Plan to be completed in 2023.
- CIP included financing plan for significant WWTP and collection system improvements.
- Streets assessment was reviewed by the Council with an emphasis on improving storm and sanitary sewers for high priority street improvements.
- I&I recommendation approved and included in the CIP.
- WWTP Facility Plan approved by the City. Baseline improvements were included in the Capital Improvement Plan (CIP) for design in 2022.
- Two air compressors for the digestor sludge pumps at the WWTP were replaced.
- Replace one pump at Terrace Ridge Lift Station.
- Repair Walnut Street pump at lift station.

B. Scheduled Work

- New mixer for south anaerobic basin at WWTP
- Maxson Ave. Sanitary Improvements Construction – Spring 2023
- Sewer Lining and Manhole Restoration Program – 2023
- Backup Power Capabilities and Generator for Lift Stations – 1 per year for 6 years starting in 2023
- Sump Pump Disconnect Plan – 2023
- Sump Pump Collection Sewer – 2023 – Part of planned street rehabilitation
- Baseline Improvements Construction – from Comprehensive Report – 2024
- 6th Street Sanitary Improvements – 2026
- Clay Street Sanitary Improvements – 2026

C. Description of Unauthorized Discharges

- Attachment 1 includes tabulated information regarding SSO, bypass and backup events for the six-month period ending 6/30/2022. There were four sewer backups and one of which resulted in an SSO within the first six months of the year on 1/4/2022. The backup was caused by a clogged main and the clog was removed. The other three backups were caused by residents' laterals or the need for jetting. The City has their own jetting truck and has been jetting priority areas.

D. Semi-Annual NPDES Permit Violations

- Attachment 2 shows the monthly Discharge Monitoring Reports (DMRs) from the Wastewater Treatment Plant Operator that have been sent to the IDNR. The reports show the wastewater treatment plant operated very well for the six-month period. During this six-month period, the storm water EQ basin was very effective. The operators were able to run all EQ basin flow back to the plant headworks. The EQ basin was used at least once within the six-month period.

- The WWTP had no permit violations or overflows for the six-month period.
- West Liberty Foods also had no industrial user violations during the six-month period.

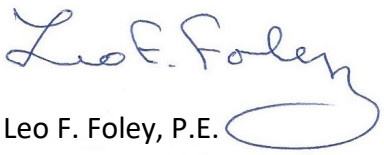
E. Final Report

- The expiration date for this order is August 31, 2022. The City will submit a final report by October 31, 2022 for the closeout of this order.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact the undersigned at (309) 786-7590.

VEENSTRA & KIMM, INC.



Leo F. Foley, P.E.

LFF:mjf
240154
Cc Electronic: Terry Jones/Ted Peterson, IDNR
Lee Gertz, City of West Liberty (City Clerk/Finance Officer)
Danny Goodale, City of West Liberty (Collection System)
Craig Juergens, City of West Liberty (WWTP Operator)

ATTACHMENT 1

COLLECTION SYSTEM 2022

SSO, BYPASS, BACKUP, BLENDED BYPASS EVENT TRACKING

Attachment 1

CITY OF WEST LIBERTY, IOWA
SSO, BYPASS, BACKUP EVENT TRACKING
FROM 1/1/2022 TO 6/30/2022

DATE	TIME	LOCATION	TYPE (SSO, BYP, BKUP, Blend BYP)	DURATION	VOLUME DISCHARGED	WATERBODY AFFECTED	REPAIR CREW (Y/N)	CAUSE
10/9/21	1:00 PM	Nelson St. and Field	BKUP				N	Blockage in sewer main. Vaccumed & jetted line.
10/17/21	12:30 PM	603 W. Walnut Street	BKUP				Y	N. Walnut St. Lift Station breaker blew. Pumped out lift station until MVP brought new pump. Electrical equipment being upgraded. ATS fixed.
10/17/21	5:00 PM	Nelson St. and Field	BKUP				N	Sewer line backed up again at same location. Vaccumed and jetted line.
10/24/21	4:00 PM	Nelson St. and Field	BKUP				N	Sewer main blockage. Vaccumed and jetted line. Calling chemical state. Need to run camera through to figure out cause of frequent backups.
11/10/21	2:30 PM	714 E. 3rd Street	BKUP				N	Lateral backup into home. Jetted lines. Plumber called and fixed issue.
12/9/21	8:50 AM	617 E. 3rd Street	BKUP				N	Blockage in sewer main. Jetted sewer main & vaccumed/cleaned manhole.
1/4/22	4:25 PM	306 N. Miller St.	SSO & BKUP				N	Clay pipe lodged in sewer main. Vacummed/jetted line.
1/17/22	10:30 AM	505 E. 7th St.	BCKUP				N	Blockage in sewer main. Vaccumed manholes to relieve backup then jetted lines to remove clog.
2/8/22	10:40 AM	719 N. Calhoun St.	BCKUP				N	Resident's sewer line.
6/7/22	12:00 PM	305 E. 5th St.	BCKUP				N	Persisitent backup caused by customer's lateral.

Previous Report

* Events only numbered if they caused some type of bypass.
Backed up sewers were shown but not labeled as an event.

CITY OF WEST LIBERTY, IOWA
SSO, BYPASS, AND BACKUP EVENT RECORD

DATE: 1-19-22 TIME: 4:25PM NAME: Danny Goodale

SOURCE OF CONTACT: David Haugland EVENT NO.:

LOCATION OF EVENT: 306 N Miller St

PERSONS RESPONDING TO EVENT: Danny Ecker Mac

TYPE OF EVENT: (SSO) BYPASS (BACKUP)

DISCHARGE START TIME: X DISCHARGE END TIME: X

TOTAL DISCHARGE TIME: X APPROXIMATE DISCHARGE QUANTITY: X

SPECIFIC CAUSE OF EVENT: Sewer main Blockage 400 Block Between 3rd & 4th East Streets. chunk of Clay pipe lodged.

MEASURES TAKEN TO RESOLVE EVENT: Vac & Jet Lines, flow returned to Normal.

MEASURES TAKEN TO PREVENT RECURRENCE: None

CITY OF
WEST LIBERTY
A COMMUNITY OF OPPORTUNITY

Jan 5th, 2022

Field Office 6 Staff
1023 W Madison St
Washington, IA 52353

To whom it may concern,

At 4:25 pm on 1/4/22 I received a call for a complaint of sewage backing up into a resident's basement at 306 N Miller St, we checked the upstream and downstream manhole and determined that we had a clog in the 400 block sewer main. We got out our vac truck and jet the line from upstream and downstream manholes. We had a chunk of clay pipe that we could see after the last pass with the jetter and believe this is what caused the backup and subsequent overflow. The sewer mains were cleared and flowing normal by 6:45 pm.

If you have any questions, please do not hesitate to call.

Sincerely,

Danny Goodale
Water, Sewer Supervisor
319-541-5596

IDNR#:12132 SIGNATURE: _____ DATE:1-5-22

CITY OF WEST LIBERTY, IOWA
SSO, BYPASS, AND BACKUP EVENT RECORD

DATE: 1-17-22 TIME: 10:30 NAME: Danny G

SOURCE OF CONTACT: City Hall EVENT NO.:

LOCATION OF EVENT: 505 E 7th St

PERSONS RESPONDING TO EVENT: Mac Edgar

TYPE OF EVENT: SSO BYPASS (BACKUP)

DISCHARGE START TIME: DISCHARGE END TIME:

TOTAL DISCHARGE TIME: APPROXIMATE DISCHARGE QUANTITY:

SPECIFIC CAUSE OF EVENT: Backup in Sewer main Cause a basement backup @ 10:30 AM. Crew Vacced out lines to relieve the Backup then worked on clearing the blockage

MEASURES TAKEN TO RESOLVE EVENT: line was Jet and Blck up was cleared. All lines have returned to normal flow

MEASURES TAKEN TO PREVENT RECURRENCE: None

CITY OF
WEST LIBERTY
A COMMUNITY OF OPPORTUNITY

Jan 17th, 2022

Field Office 6 Staff
1023 W Madison St
Washington, IA 52353

To whom it may concern,

At 10:30 am on 1/14/22 we received a complaint of sewage backing up into a resident's basement at 505 E 7th street, we checked the upstream and downstream manholes and determined that we had a clog in our sewer main. We got out or vac truck and vacced the manholes down so the backup would recede out of the basement while we searched for the clog. We found the clog to be in a small stretch of sewer main between two connecting mains. The line was jetted and flows returned to normal, we did not see anything that may have cause the clog so it presumably got vacced into the truck. Flows were returned to normal at 12:30pm.

If you have any questions, please do not hesitate to call.

Sincerely,

Danny Goodale
Water, Sewer Supervisor
319-541-5596

IDNR#:12132 SIGNATURE: DATE:1-17-22

Administrative Offices – 409 N. Calhoun – West Liberty, Iowa 52776
Phone: (319) 627-2418 Fax: (319) 627-4847

CITY OF WEST LIBERTY, IOWA
SSO, BYPASS, AND BACKUP EVENT RECORD

DATE: 2-08-22 TIME: 10:40 Am NAME: Danny Goodale

SOURCE OF CONTACT: City Hall EVENT NO.:

LOCATION OF EVENT: 719 N Calhoun

PERSONS RESPONDING TO EVENT:

TYPE OF EVENT: SSO BYPASS (BACKUP)

DISCHARGE START TIME: NA DISCHARGE END TIME: NA

TOTAL DISCHARGE TIME: NA APPROXIMATE DISCHARGE QUANTITY: NA

SPECIFIC CAUSE OF EVENT: Suspected sewer Backup. It was residents Service line.

MEASURES TAKEN TO RESOLVE EVENT: Manholes were pulled and Flows were checked. All Sewer mains were running as should

MEASURES TAKEN TO PREVENT RECURRENCE: None

CITY OF WEST LIBERTY, IOWA
SSO, BYPASS, AND BACKUP EVENT RECORD

DATE: 6-7-22 TIME: Noon NAME: Danny G

SOURCE OF CONTACT: City Hall EVENT NO.:

LOCATION OF EVENT: 305 E fifth street

PERSONS RESPONDING TO EVENT: Danny & Edgar

TYPE OF EVENT: SSO BYPASS (BACKUP)

DISCHARGE START TIME: NA DISCHARGE END TIME: NA

TOTAL DISCHARGE TIME: NA APPROXIMATE DISCHARGE QUANTITY: NA

SPECIFIC CAUSE OF EVENT: Customer has persistant Backups.

MEASURES TAKEN TO RESOLVE EVENT: We checked flows and they seemed good. we ran camera to check the condition of our sewer main All was well.

MEASURES TAKEN TO PREVENT RECURRENCE: Informed Customer that it is A problem With their lateral

ATTACHMENT 2

MONTHLY DISCHARGE MONITORING REPORTS

JANUARY - JUNE 2022

IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS REPORTING SYSTEM - DISCHARGE MONITORING REPORT
FACILITY INFORMATION

This form is valid 2/1/2019 to 1/31/2024

Facility Name: WEST LIBERTY CITY OF STP

Permit #: 7073001

Month/Year: 1 2022

Outfall #(s): 001 - DISCHARGE FROM AN ACTIVATED SLUDGE WASTEWATER TREATMENT FACILITY.
SIU-01 - 001 - EFFLUENT (WASTE) PRIOR TO DISCHARGE TO THE MUNICIPAL COLLECTION SYST

Operator Name: Craig Juergens

Certification #: 3338

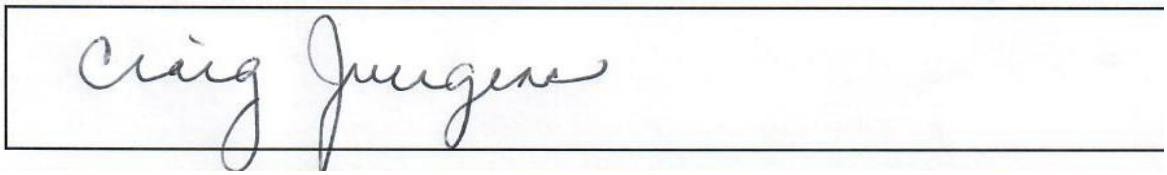
Phone #: 319-627-2173

Lab Cert. #: 027,095,291,and 397

Comments: Plant is all in compliance with nondetects reported for both Cbod and NH3-N on the plant final effluent.

*Include Comments longer than 1000 characters in email

Signature:



I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibilityof fine and imprisonment for known violations.

Permit # 7073001
Facility Name: WEST LIBERTY CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
INFLUENT Data

Outfall #: 001
Month/Year: 1-2022

Mon. Point	STORM WATER BASIN INFLUENT	MECHANICAL PLANT INFLUENT	RAW WASTE - TOTAL	STORM WATER BASIN RETURN	RAW WASTE											
Parameter	FLOW	FLOW	FLOW	FLOW	BOD5		TSS		TOT-N		TKN		PHOS		TEMP	PH
Units	MGD	MGD	MGD	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	FAHRENHEIT	STD UNITS
Frequency	7/WEEK OR DAILY	7/WEEK OR DAILY	7/WEEK OR DAILY	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK
Start Date																
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge																
LOQ																
Day: 1		0.358	0.358													
2		0.535	0.534	0.001												
3		1.163	1.163		326	3162.01092	111	1076.63562	43.9	425.804538	43.5	421.92477	6.06	58.7784852	57.2	6.69
4		1.206	1.206		225	2263.059	109	1096.32636							62.6	6.74
5		1.308	1.304	0.004												
6	0.384	1.275	1.283	0.376												
7	0.312	1.15	1.417	0.045												
8	0.36	0.909	1.218	0.051												
9	0.216	0.554	0.744	0.026												
10	0.6	1.203	1.625	0.178	318	4309.695	120	1626.3	47.2	639.678	46.8	634.257	5.07	68.711175	62.6	6.71
11	0.672	1.235	1.576	0.331	378	4968.37152	154	2024.15136							62.6	6.75
12	0.72	1.446	1.751	0.415												
13	0.684	1.345	1.734	0.295												
14	0.744	1.189	1.503	0.43												
15	0.756	0.972	1.228	0.5												
16	0.696	0.604	0.913	0.387												
17	0.66	1.251	1.636	0.275	236	3220.04064	75	1023.318	39.7	541.676328	39.3	536.218632	8.84	120.6150816	62.6	6.78
18	0.564	1.197	1.615	0.146	180	2424.438	81	1090.9971							64.4	6.9
19	0.72	1.423	1.745	0.398												
20	0.504	1.263	1.64	0.127												
21	0.6	1.192	1.634	0.158												
22	0.42	0.899	1.197	0.122												
23	0.48	0.565	0.947	0.098												
24	0.708	1.121	1.531	0.298	352	4494.52608	198	2528.17092	45.5	580.96857	45.1	575.861154	5.87	74.9513298	64.4	6.79
25	0.48	1.306	1.663	0.123	346	4798.81932	164	2274.58488							60.8	7.2
26	0.768	1.409	1.691	0.486												
27	0.504	1.202	1.596	0.11												
28	0.54	1.132	1.537	0.135												
29	0.564	0.935	1.345	0.154												
30	0.504	0.573	0.955	0.122												
31	0.696	1.153	1.595	0.254	264	3511.8072	161	2141.6703	32	425.6736	31.6	420.35268	4.27	56.800821	60.8	6.7
Total	14.856	33.073	41.884	6.045	2625	33152.76768	1173	14882.15454	208.3	2613.801036	206.3	2588.614236	30.11	379.8568926	558	61.26
Monthly Avg.	0.571384615	1.066870968	1.351096774	0.215892857	291.6666667	3683.640853	130.3333333	1653.572727	41.66	522.7602072	41.26	517.7228472	6.022	75.97137852	62	6.806666667
Daily Max.	0.768	1.446	1.751	0.5	378	4968.37152	198	2528.17092	47.2	639.678	46.8	634.257	8.84	120.6150816	64.4	7.2
Daily Min.	0.216	0.358	0.358	0.001	180	2263.059	75	1023.318	32	425.6736	31.6	420.35268	4.27	56.800821	57.2	6.69
Max. 7/Avg.	0.642857143	1.128857143	1.487285714	0.284428571	349	4646.6727	181	2401.3779	47.2	639.678	46.8	634.257	8.84	120.6150816	63.5	6.995

Permit # 7073001
Facility Name: WEST LIBERTY CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

Outfall #: 001
Month/Year: 1-2022

Mon. Point	FINAL EFFLUENT	EFFLUENT PRIOR TO DISINFECTION				EFFLUENT AFTER DISINFECTION													CALCULATION REPORTED ANNUALLY ON DMR	
Parameter	FLOW	CBOD5		TSS		NH3-N		CHLORIDE		TOT-N		PHOS		TEMP	TOX CER	TOX PIM	DO	PH	E. COLI	ANN AVG N	ANN AVG P
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	FAHRENHEIT	NO TOXICITY	NO TOXICITY	MG/L	STD UNITS	#/100 ML	LBS/DAY	LBS/DAY
Frequency	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS	2 TIMES PER WEEK	5 TIMES PER WEEK	GEO. MEAN 1/3 MONTHS	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS
Start Date																					
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge		05 - NO DETECTION	05 - NO DETECTION			05 - NO DETECTION	05 - NO DETECTION								06 - NOT REQ / MP	06 - NOT REQ / MP			06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP
LOQ																					
Day: 1	0.762																				
2	1.031																				
3	1.479	<4	<	6	74.00916	<.1	<	269	3318.07734	10.3	127.049058	1.86	22.9428396	51.8				6.9			
4	1.498	<4	<	<2	<	<.1	<							51.8				7			
5	1.575													50				7.16			
6	1.536													51.8			7.6	6.8			
7	1.467													53.6			7.4	6.93			
8	1.26																				
9	0.798																				
10	1.695	<4	<	3	42.4089	<.1	<			6.74	95.278662	0.82	11.591766	51.8				7			
11	1.545	<4	<	<2	<	<.1	<							51.8				7.1			
12	1.687													57.2				6.74			
13	1.572													59			6.9	6.8			
14	1.525													60.8			7.3	6.64			
15	2.275																				
16	1.817																				
17	1.568	<4	<	<2	<	<.1	<	333	4354.68096	5.92	77.4165504	1.1	14.384832	55.4				7			
18	1.521	<4	<	<2	<	<.1	<							57.2				7.1			
19	1.683													57.2				6.87			
20	1.552													57.2			7.6	7.03			
21	1.5													55.4			7.3	6.8			
22	1.298																				
23	1.061																				
24	1.451	<4	<	<2	<	<.1	<	290	3509.3886	4.54	54.9400836	0.9	10.891206	55.4				6.9			
25	1.568	<4	<	2	26.15424	<.1	<							53.6				7.4			
26	1.614													53.6				6.8			
27	1.526													55.4			7.7	6.84			
28	1.469													55.4			7.4	6.84			
29	1.327																				
30	1.054																				
31	1.489	<4	<	<2	<	<.1	<			3.63	45.0782838	0.71	8.8169646	53.6				6.8			
Total	45.203	0	0	11	142.5723	0	0	892	11182.1469	31.13	399.7626378	5.39	68.6276082	1149			59.2	145.45			
Monthly Avg.	1.45816129	0	0	1.222222222	15.84136667	0	0	297.3333333	3727.3823	6.226	79.95252756	1.078	13.72552164	54.71428571			7.4	6.926190476			
Daily Max.	2.275			6	74.00916			333	4354.68096	10.3	127.049058	1.86	22.9428396	60.8			7.7	7.4			
Daily Min.	0.762							269	3318.07734	3.63	45.0782838	0.71	8.8169646	50			6.9	6.64			
Max. 7/Avg.	1.702285714			3	37.00458			333	4354.68096	10.3	127.049058	1.86	22.9428396	56.48			7.55	6.96			

Permit # 7073001
Facility Name: WEST LIBERTY CITY OF STP

SIU: WEST LIBERTY FOODS
Outfall #: 001
Month/Year: 1-2022

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

Mon. Point	PRIOR TO DISCHARGE TO CITY SEWER						
Parameter	**FLOW**	**BOD5**	**TSS**	**NH3-N**	**TKN**	**O&G**	**PH**
Units	**MGD**	**LBS/DAY**	**LBS/DAY**	**LBS/DAY**	**LBS/DAY**	**MG/L**	**STD UNITS**
Frequency	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK
Start Date							
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge							
LOQ							
Day: 1	0.308						
2	0.446						
3	0.992	2763	1431	78	385		6.8
4	0.977	2290	1353	94	389	16	6.8
5	1.113						
6	1.022						
7	1.023						
8	0.75						
9	0.51						
10	1.013	2366	921	107	339		7.1
11	1.019	3153	1640	121	429	16	6.9
12	1.127						
13	1.068						
14	1.02						
15	0.817						
16	0.558						
17	1.039	2426	1118	57	321		6.9
18	1.024	2682	1085	78	354	18	7
19	1.107						
20	1.05						
21	0.997						
22	0.755						
23	0.47						
24	1.015	3395	923	100	439		6.7
25	1.072	3326	1422	90	380	12	6.5
26	1.111						
27	1.011						
28	0.982						
29	0.779						
30	0.485						
31	0.972	1913	875	76	266		6.7
Total	27.632	24314	10768	801	3302	62	61.4
Monthly Avg.	0.891354839	2701.555556	1196.444444	89	366.8888889	15.5	6.822222222
Daily Max.	1.127	3395	1640	121	439	18	7.1
Daily Min.	0.308	1913	875	57	266	12	6.5
Max. 7/Avg.	0.941714286	3360.5	1392	114	409.5	18	7

IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS REPORTING SYSTEM - DISCHARGE MONITORING REPORT
FACILITY INFORMATION

This form is valid 2/1/2019 to 1/31/2024

Facility Name: WEST LIBERTY CITY OF STP

Permit #: 7073001

Month/Year: 2 | 2022

Outfall #(s): 001 - DISCHARGE FROM AN ACTIVATED SLUDGE WASTEWATER TREATMENT FACILITY.
SIU-01 - 001 - EFFLUENT (WASTE) PRIOR TO DISCHARGE TO THE MUNICIPAL COLLECTION SYST

Operator Name: Craig Juergens

Certification #: 3338

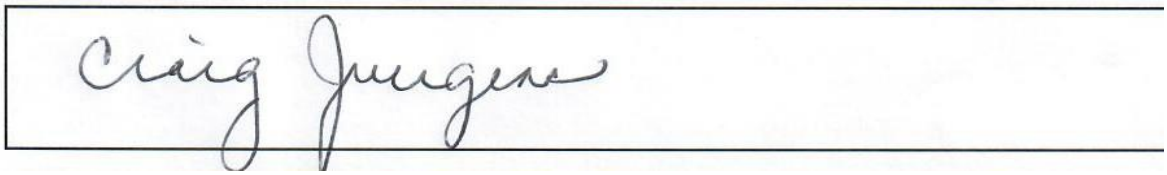
Phone #: 319-627-2173

Lab Cert. #: 027,095,291,and 397

Comments: February revision. The TKN sample for West Liberty Foods for the 21st seemed extremely low. I contacted the lab and found the result was a clerical error. The actual TKN for that date was actually 44.8mg/l from the original result of 2.19mg/l. The result was a change in pounds from 18# to the corrected number of 373#.

*Include Comments longer than 1000 characters in email

Signature:



I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibilityof fine and imprisonment for known violations.

Permit # 7073001
Facility Name: WEST LIBERTY CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
INFLUENT Data

Outfall #: 001
Month/Year: 2-2022

Mon. Point	STORM WATER BASIN INFLUENT	MECHANICAL PLANT INFLUENT	RAW WASTE - TOTAL	STORM WATER BASIN RETURN	RAW WASTE											
Parameter	FLOW	FLOW	FLOW	FLOW	BOD5		TSS		TOT-N		TKN		PHOS		TEMP	PH
Units	MGD	MGD	MGD	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	FAHRENHEIT	STD UNITS
Frequency	7/WEEK OR DAILY	7/WEEK OR DAILY	7/WEEK OR DAILY	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK
Start Date																
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge																
LOQ																
Day: 1	0.612	1.231	1.698	0.145	324	4588.26768	110	1557.7452							**66.2**	6.68
2	0.624	1.51	1.939	0.195												
3	0.576	1.256	1.661	0.171												
4	0.6	1.17	1.589	0.181												
5	0.744	0.881	1.16	0.465												
6	0.576	0.647	0.997	0.226												
7	0.756	1.314	1.596	0.474	263	3500.69832	85	1131.4044	52.5	698.8086	52.1	693.484344	5.66	75.3382224	60.8	6.69
8	0.54	1.334	1.73	0.144	314	4530.4548	108	1558.2456							64.4	7.11
9	0.588	1.426	1.856	0.158												
10	0.66	1.345	1.715	0.29												
11	0.768	1.215	1.606	0.377												
12	0.456	1.035	1.37	0.121												
13	0.72	0.559	0.888	0.391												
14	0.564	1.239	1.645	0.158	236	3237.7548	65	891.7545	28.3	388.25619	27.8	381.39654	4.77	65.441061	59	6.81
15	0.648	1.161	1.623	0.186	250	3383.955	122	1651.37004							64.4	7.04
16	0.54	1.246	1.626	0.16												
17	0.588	1.203	1.617	0.174												
18	0.576	0.871	1.272	0.175												
19	0.528	0.29	0.701	0.117												
20	0.588	0.425	0.849	0.164												
21	0.624	1.116	1.543	0.197	272	3500.26464	131	1685.78922	45.2	581.661624	44.6	573.940452	5.47	70.3913514	66.2	6.74
22	0.612	1.23	1.626	0.216	362	4909.02408	186	2522.31624							66.2	7.04
23	0.588	1.225	1.612	0.201												
24	0.624	1.023	1.441	0.206												
25	0.72	0.87	1.226	0.364												
26	0.744	0.965	1.312	0.397												
27	0.54	0.445	0.866	0.119												
28	0.78	1.112	1.112	0.479	334	3097.54272	118	1094.34144	48.9	453.502512	48.4	448.865472	4.55	42.197064	60.8	6.64
29																
30																
31																
Total	17.484	29.344	39.876	6.651	2355	30747.96204	925	12092.96664	174.9	2122.228926	172.9	2097.686808	20.45	253.3676988	508	54.75
Monthly Avg.	0.624428571	1.048	1.424142857	0.237535714	294.375	3843.495255	115.625	1511.62083	43.725	530.5572315	43.225	524.421702	5.1125	63.3419247	63.5	6.84375
Daily Max.	0.78	1.51	1.939	0.479	362	4909.02408	186	2522.31624	52.5	698.8086	52.1	693.484344	5.66	75.3382224	66.2	7.11
Daily Min.	0.456	0.29	0.701	0.117	236	3097.54272	65	891.7545	28.3	388.25619	27.8	381.39654	4.55	42.197064	59	6.64
Max. 7/Avg.	0.658285714	1.164714286	1.544285714	0.283142857	348	4044.483	152	1808.32884	52.5	698.8086	52.1	693.484344	5.66	75.3382224	65.3	6.96

Permit # 7073001
Facility Name: WEST LIBERTY CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

Outfall #: 001
Month/Year: 2-2022

Mon. Point	FINAL EFFLUENT	EFFLUENT PRIOR TO DISINFECTION				EFFLUENT AFTER DISINFECTION													CALCULATION REPORTED ANNUALLY ON DMR	
Parameter	FLOW	CBOD5		TSS		NH3-N		CHLORIDE		TOT-N		PHOS		TEMP	TOX CER	TOX PIM	DO	PH	E. COLI	ANN AVG N	ANN AVG P
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	FAHRENHEIT	NO TOXICITY	NO TOXICITY	MG/L	STD UNITS	#/100 ML	LBS/DAY	LBS/DAY
Frequency	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS	2 TIMES PER WEEK	5 TIMES PER WEEK	GEO. MEAN 1/3 MONTHS	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS
Start Date End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge		05 - NO DETECTION	05 - NO DETECTION												06 - NOT REQ / MP	06 - NOT REQ / MP			06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP
LOQ																					
Day: 1	1.556	<4	<	<2	<	<.1	<							57.2				6.9			
2	1.702													55.4				6.7			
3	1.524													57.2			6.9	6.9			
4	1.435													57.2			7.3	6.93			
5	1.173																				
6	1.061																				
7	1.566	<4	<	<2	<	<.1	<	298	3892.01112	6.96	90.9006624	0.8	10.448352	53.6				6.9			
8	1.597	<4	<	<2	<	<.1	<							55.4				7.3			
9	1.689													57.2				6.84			
10	1.638													57.2			7.6	6.83			
11	1.507													57.2			7.8	7.01			
12	1.38																				
13	1.035																				
14	1.579	<4	<	3	39.50658	1.35	17.777961	261	3437.07246	5.08	66.8978088	<.4	<	59				7			
15	1.598	<4	<	<2	<	<.1	<							57.2				7.2			
16	1.686													59				6.75			
17	1.675													59			7.3	6.87			
18	1.427													57.2			7.4	6.69			
19	0.917																				
20	1.027																				
21	1.601	<4	<	2	26.70468	<.1	<	287	3832.12158	14.8	197.614632	2.6	34.716084	62.6				7.07			
22	1.673	<4	<	<2	<	<.1	<							57.2				7.3			
23	1.659													55.4				6.7			
24	1.479													57.2			7.6	6.78			
25	1.336													57.2			7.3	6.74			
26	1.431																				
27	1.064																				
28	1.585	<4	<	2	26.4378	<.1	<	298	3939.2322	7.58	100.199262	0.57	7.534773	57.2				6.8			
29																					
30																					
31																					
Total	40.6	0	0	7	92.64906	1.35	17.777961	1144	15100.43736	34.42	455.6123652	3.97	52.699209	1145.8			59.2	138.21			
Monthly Avg.	1.45	0	0	0.875	11.5811325	0.16875	2.222245125	286	3775.10934	8.605	113.9030913	0.9925	13.17480225	57.29			7.4	6.9105			
Daily Max.	1.702			3	39.50658	1.35	17.777961	298	3939.2322	14.8	197.614632	2.6	34.716084	62.6			7.8	7.3			
Daily Min.	0.917							261	3437.07246	5.08	66.8978088			53.6			6.9	6.69			
Max. 7/Avg.	1.489285714			1.5	19.75329	0.675	8.8889805	298	3939.2322	14.8	197.614632	2.6	34.716084	59			7.7	6.996			

Permit # 7073001
Facility Name: WEST LIBERTY CITY OF STP

SIU: WEST LIBERTY FOODS
Outfall #: 001
Month/Year: 2-2022

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

Mon. Point	PRIOR TO DISCHARGE TO CITY SEWER						
Parameter	**FLOW**	**BOD5**	**TSS**	**NH3-N**	**TKN**	**O&G**	**PH**
Units	**MGD**	**LBS/DAY**	**LBS/DAY**	**LBS/DAY**	**LBS/DAY**	**MG/L**	**STD UNITS**
Frequency	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK
Start Date							
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge							
LOQ							
Day: 1	1.066	2881	800	108	436		6.9
2	1.202						
3	1.051						
4	1.039						
5	0.72						
6	0.523						
7	1.072	2137	635	132	469		6.8
8	1.071	3868	1885	121	467	10	7
9	1.092						
10	1.061						
11	0.997						
12	0.805						
13	0.506						
14	1.04	3574	2403	107	330		6.6
15	1.028	2932	1295	66	313	8	7.1
16	1.082						
17	1.071						
18	0.886						
19	0.333						
20	0.517						
21	0.999	2391	767	79	373		7.02
22	1.071	3055	991	97	465	18	6.9
23	1.101						
24	1.03						
25	0.9						
26	0.926						
27	0.515						
28	0.968	3278	2147	123	509		6.7
29							
30							
31							
Total	25.672	24116	10923	833	3362	36	55.02
Monthly Avg.	0.916857143	3014.5	1365.375	104.125	420.25	12	6.8775
Daily Max.	1.202	3868	2403	132	509	18	7.1
Daily Min.	0.333	2137	635	66	313	8	6.6
Max. 7/Avg.	0.953285714	3721	2144	120	487	18	7.06

IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS REPORTING SYSTEM - DISCHARGE MONITORING REPORT
FACILITY INFORMATION

This form is valid 2/1/2019 to 1/31/2024

Facility Name: WEST LIBERTY CITY OF STP

Permit #: 7073001

Month/Year: 3 2022

Outfall #(s): 001 - DISCHARGE FROM AN ACTIVATED SLUDGE WASTEWATER TREATMENT FACILITY.
SIU-01 - 001 - EFFLUENT (WASTE) PRIOR TO DISCHARGE TO THE MUNICIPAL COLLECTION SYST

Operator Name: Craig Juergens

Certification #: 3338

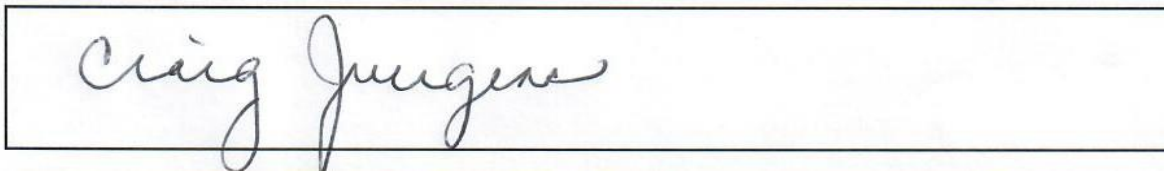
Phone #: 319-627-2173

Lab Cert. #: 027,095,291,and 397

Comments: The plant is running well with only one ammonia sample detected and no detect on all CBOD samples.

*Include Comments longer than 1000 characters in email

Signature:



I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibilityof fine and imprisonment for known violations.

Permit # 7073001
Facility Name: WEST LIBERTY CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
INFLUENT Data

Outfall #: 001
Month/Year: 3-2022

Mon. Point	STORM WATER BASIN INFLUENT	MECHANICAL PLANT INFLUENT	RAW WASTE - TOTAL	STORM WATER BASIN RETURN	RAW WASTE											
Parameter	FLOW	FLOW	FLOW	FLOW	BOD5		TSS		TOT-N		TKN		PHOS		TEMP	PH
Units	MGD	MGD	MGD	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	FAHRENHEIT	STD UNITS
Frequency	7/WEEK OR DAILY	7/WEEK OR DAILY	7/WEEK OR DAILY	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK
Start Date																
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge																
LOQ																
Day: 1	0.576	1.062	1.491	0.147	234	2909.77596	112	1392.71328							**64.4**	6.94
2	0.792	1.211	1.693	0.31												
3	0.612	1.134	1.556	0.19												
4	0.78	1.141	1.777	0.144												
5	0.792	0.82	1.096	0.516												
6	0.78	0.429	0.698	0.511												
7	0.552	1.168	1.586	0.134	290	3835.8996	121	1600.49604	42.8	566.125872	42.4	560.834976	5.87	77.6438988	60.8	6.7
8	0.552	1.152	1.55	0.154	276	3567.852	103	1331.481							62.6	6.78
9	0.132	1.233	1.339	0.026												
10		1.117	1.117													
11		1.199	1.199													
12		1.026	1.025	0.001												
13		0.518	0.518													
14		1.198	1.198		304	3037.36128	156	1558.64592	42.9	428.627628	42.6	425.630232	5.25	52.45443	64.4	6.94
15		1.181	1.198	0.017	298	2977.41336	223	2228.06436							64.4	7.15
16		1.422	1.4	0.022												
17		1.186	1.186													
18		1.622	1.622													
19		1.223	1.197	0.026												
20		0.906	0.906													
21		1.623	1.623		276	3735.88632	125	1691.9775	32.8	443.974896	32.3	437.206986	4.71	63.7537122	64.4	7
22	0.024	1.802	1.825	0.001	231	3515.9355	89	1354.6245							66.2	7
23	0.06	1.949	1.94	0.069												
24		1.705	1.705													
25		1.559	1.559													
26		1.367	1.367													
27		0.618	0.618													
28		1.475	1.474	0.001	283	3478.96428	156	1917.73296	38.7	475.745292	38.4	472.057344	4.16	51.1395456	60.8	6.65
29		1.587	1.587		265	3507.4287	93	1230.90894							64.4	6.91
30		1.999	1.999													
31	0.048	1.934	1.934	0.055												
Total	5.7	39.566	42.983	2.324	2457	30566.517	1178	14306.6445	157.2	1914.473688	155.7	1895.729538	19.99	244.9915866	572.4	62.07
Monthly Avg.	0.475	1.276322581	1.386548387	0.136705882	273	3396.279667	130.8888889	1589.627167	39.3	478.618422	38.925	473.9323845	4.9975	61.24789665	63.6	6.896666667
Daily Max.	0.792	1.999	1.999	0.516	304	3835.8996	223	2228.06436	42.9	566.125872	42.6	560.834976	5.87	77.6438988	66.2	7.15
Daily Min.	0.024	0.429	0.518	0.001	231	2909.77596	89	1230.90894	32.8	428.627628	32.3	425.630232	4.16	51.1395456	60.8	6.65
Max. 7/Avg.	0.697714286	1.496428571	1.498285714	0.278857143	290	3497.44989	174	1960.02093	42.9	566.125872	42.6	560.834976	5.87	77.6438988	64.4	7.075

Permit # 7073001
Facility Name: WEST LIBERTY CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

Outfall #: 001
Month/Year: 3-2022

Mon. Point	FINAL EFFLUENT	EFFLUENT PRIOR TO DISINFECTION				EFFLUENT AFTER DISINFECTION													CALCULATION REPORTED ANNUALLY ON DMR	
Parameter	FLOW	CBOD5		TSS		NH3-N		CHLORIDE		TOT-N		PHOS		TEMP	TOX CER	TOX PIM	DO	PH	E. COLI	ANN AVG N	ANN AVG P
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	FAHRENHEIT	NO TOXICITY	NO TOXICITY	MG/L	STD UNITS	#/100 ML	LBS/DAY	LBS/DAY
Frequency	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS	2 TIMES PER WEEK	5 TIMES PER WEEK	GEO. MEAN 1/3 MONTHS	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS
Start Date																					
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge		05 - NO DETECTION	05 - NO DETECTION												06 - NOT REQ / MP	06 - NOT REQ / MP			06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP
LOQ																					
Day: 1	1.496	<4	<	2	24.95328	<.1	<							59			7.1	7.1			
2	1.601													59			7.2	7.12			
3	1.553													59				6.88			
4	1.541													59				6.77			
5	1.271																				
6	1.011																				
7	1.561	<4	<	2	26.03748	<.1	<	292	3801.47208	8.45	110.008353	0.9	11.716866	57.2				6.9			
8	1.579	<4	<	4	52.67544	2.94	38.7164484							57.2				7.1			
9	1.636													59			6.9	6.89			
10	1.576													59			7.1	7.1			
11	1.623													59				6.74			
12	1.442																				
13	1.058																				
14	1.567	<4	<	<2	<	<.1	<			3.83	50.0534274	0.48	6.2730144	59				7.1			
15	1.568	<4	<	<2	<	<.1	<							59				7.3			
16	1.716													60.8			7.4	7.58			
17	1.548													60.8			7.3	7.13			
18	1.955													62.6				7.58			
19	1.623																				
20	1.32																				
21	1.881	<4	<	<2	<	<.1	<	244	3827.75976	3.74	58.6713996	0.64	10.0400256	60.8				7.2			
22	2.037	<4	<	<2	<	<.1	<							62.6				7.1			
23	2.077													62.6			6.8	6.92			
24	1.979													62.6			7.2	6.94			
25	1.865													60.8				6.8			
26	1.738																				
27	1.193																				
28	1.819	<4	<	<2	<	<.1	<			3.03	45.9664938	0.7	10.619322	59				6.9			
29	1.902	<4	<	<2	<	<.1	<							59				7			
30	2.139													60.8			6.9	6.72			
31	2.082													60.6			6.7	6.74			
Total	50.957	0	0	8	103.6662	2.94	38.7164484	536	7629.23184	19.05	264.6996738	2.72	38.649228	1378.4			70.6	161.61			
Monthly Avg.	1.643774194	0	0	0.888888889	11.51846667	0.326666667	4.3018276	268	3814.61592	4.7625	66.17491845	0.68	9.662307	59.93043478			7.06	7.026521739			
Daily Max.	2.139			4	52.67544	2.94	38.7164484	292	3827.75976	8.45	110.008353	0.9	11.716866	62.6			7.4	7.58			
Daily Min.	1.011							244	3801.47208	3.03	45.9664938	0.48	6.2730144	57.2			6.7	6.72			
Max. 7/Avg.	1.815428571			2	26.33772	1.47	19.3582242	292	3827.75976	8.45	110.008353	0.9	11.716866	61.52			7.35	7.358			

Permit # 7073001
Facility Name: WEST LIBERTY CITY OF STP

SIU: WEST LIBERTY FOODS
Outfall #: 001
Month/Year: 3-2022

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

Mon. Point	PRIOR TO DISCHARGE TO CITY SEWER						
Parameter	**FLOW**	**BOD5**	**TSS**	**NH3-N**	**TKN**	**O&G**	**PH**
Units	**MGD**	**LBS/DAY**	**LBS/DAY**	**LBS/DAY**	**LBS/DAY**	**MG/L**	**STD UNITS**
Frequency	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK
Start Date							
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge							
LOQ							
Day: 1	0.987	2881	1152	125	581	20	7
2	1.127						
3	0.99						
4	1.093						
5	0.69						
6	0.499						
7	1.012	3098	1848	95	352		7
8	1.034	3104	1500	122	387	19	6.9
9	1.07						
10	1.034						
11	1.055						
12	0.85						
13	0.522						
14	1.022	2830	1057	65	326		6.9
15	1.037	3079	839	101	511	13	7.1
16	1.163						
17	1.061						
18	1.015						
19	0.714						
20	0.527						
21	1.087	2865	1260	71	296		7.2
22	1.136	4690	1952	72	633	36	7
23	1.167						
24	1.05						
25	1.047						
26	0.921						
27	0.47						
28	1.09	1873	373	43	269		6.9
29	1.133	4158	1351	74	451	39	7
30	1.18						
31	1.187						
Total	29.97	28578	11332	768	3806	127	63
Monthly Avg.	0.966774194	3175.333333	1259.111111	85.33333333	422.8888889	25.4	7
Daily Max.	1.187	4690	1952	125	633	39	7.2
Daily Min.	0.47	1873	373	43	269	13	6.9
Max. 7/Avg.	0.983	3281.5	1500	110	466.5	36	7.15

IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS REPORTING SYSTEM - DISCHARGE MONITORING REPORT
FACILITY INFORMATION

This form is valid 2/1/2019 to 1/31/2024

Facility Name: WEST LIBERTY CITY OF STP

Permit #: 7073001

Month/Year: 4 2022

Outfall #(s): 001 - DISCHARGE FROM AN ACTIVATED SLUDGE WASTEWATER TREATMENT FACILITY.
SIU-01 - 001 - EFFLUENT (WASTE) PRIOR TO DISCHARGE TO THE MUNICIPAL COLLECTION SYST

Operator Name: Craig Juergens

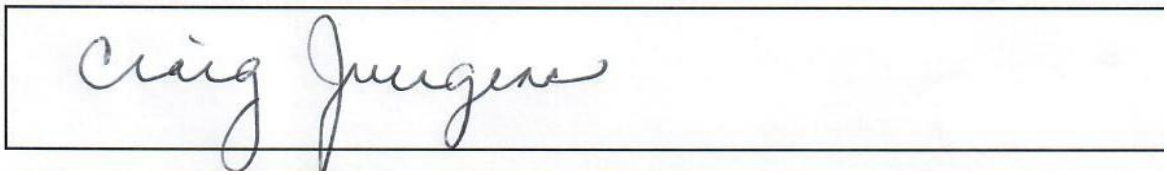
Certification #: 3338

Phone #: 319-627-2173

Lab Cert. #: 027,095,291,and 397

Comments: Total N and Total P appear on this report. Both are well under the yearly limit.

*Include Comments longer than 1000 characters in email

Signature: 

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibilityof fine and imprisonment for known violations.

Permit # 7073001
Facility Name: WEST LIBERTY CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
INFLUENT Data

Outfall #: 001
Month/Year: 4-2022

Mon. Point	STORM WATER BASIN INFLUENT	MECHANICAL PLANT INFLUENT	RAW WASTE - TOTAL	STORM WATER BASIN RETURN	RAW WASTE											
Parameter	FLOW	FLOW	FLOW	FLOW	BOD5		TSS		TOT-N		TKN		PHOS		TEMP	PH
Units	MGD	MGD	MGD	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	FAHRENHEIT	STD UNITS
Frequency	7/WEEK OR DAILY	7/WEEK OR DAILY	7/WEEK OR DAILY	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK
Start Date																
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge																
LOQ																
Day: 1		1.583	1.583													
2		1.507	1.506	0.001												
3		1.115	1.115													
4		1.724	1.686	0.038	357	5019.86268	184	2587.26816	30.2	424.649448	29.7	417.618828	3.67	51.6047508	60.8	7.3
5	0.852	2.714	2.417	1.149	249	5019.28722	166	3346.19148							60.8	7.4
6	0.684	3.283	3.055	0.912												
7	0.168	2.59	2.523	0.235												
8	0.108	2.329	2.278	0.159												
9	0.012	1.864	1.876													
10	0.012	1.312	1.309	0.015												
11		1.731	1.731		298	4302.08892	210	3031.6734	38	548.58852	37.6	542.813904	6.23	89.9396442	64.4	7.6
12		1.991	1.986	0.005	164	2716.37136	102	1689.45048							66.2	7.3
13	0.048	2.047	2.014	0.081												
14		1.343	1.342	0.001												
15		0.692	0.692													
16		0.745	0.745													
17		0.975	0.974	0.001												
18		1.39	1.389	0.001	202	2340.02052	127	1471.20102	36.4	421.667064	35.9	415.874934	3.71	42.9776046	62.6	6.8
19	0.036	1.384	1.42		208	2463.3024	134	1586.9352							64.4	7.1
20	0.072	1.851	1.762	0.161												
21	0.048	1.798	1.817	0.029												
22	0.048	2.444	2.408	0.084												
23	0.048	1.895	1.859	0.084												
24		1.058	1.058													
25		1.549	1.549		204	2635.40664	106	1369.37796	35.9	463.779894	35.7	461.196162	3.08	39.7894728	62.6	7
26		1.644	1.642	0.002	187	2560.83036	107	1465.28796							64.4	7.2
27		1.791	1.783	0.008												
28		1.524	1.524													
29		1.55	1.549	0.001												
30		2.08	2.08													
31																
Total	2.136	51.503	50.672	2.967	1869	27057.1701	1136	16547.38566	140.5	1858.684926	138.9	1837.503828	16.69	224.3114724	506.2	57.7
Monthly Avg.	0.178	1.716766667	1.689066667	0.156157895	233.625	3382.146263	142	2068.423208	35.125	464.6712315	34.725	459.375957	4.1725	56.0778681	63.275	7.2125
Daily Max.	0.852	3.283	3.055	1.149	357	5019.86268	210	3346.19148	38	548.58852	37.6	542.813904	6.23	89.9396442	66.2	7.6
Daily Min.	0.012	0.692	0.692	0.001	164	2340.02052	102	1369.37796	30.2	421.667064	29.7	415.874934	3.08	39.7894728	60.8	6.8
Max. 7/Avg.	0.568	2.073714286	1.983571429	0.467	303	5019.57495	175	2966.72982	38	548.58852	37.6	542.813904	6.23	89.9396442	65.3	7.45

Permit # 7073001
Facility Name: WEST LIBERTY CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

Outfall #: 001
Month/Year: 4-2022

Mon. Point	FINAL EFFLUENT	EFFLUENT PRIOR TO DISINFECTION				EFFLUENT AFTER DISINFECTION													CALCULATION REPORTED ANNUALLY ON DMR	
Parameter	FLOW	CBOD5		TSS		NH3-N		CHLORIDE		TOT-N		PHOS		TEMP	TOX CER	TOX PIM	DO	PH	E. COLI	ANN AVG N	ANN AVG P
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	FAHRENHEIT	NO TOXICITY	NO TOXICITY	MG/L	STD UNITS	#/100 ML	LBS/DAY	LBS/DAY
Frequency	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS	2 TIMES PER WEEK	5 TIMES PER WEEK	GEO. MEAN 1/3 MONTHS	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS
Start Date End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge															06 - NOT REQ / MP	06 - NOT REQ / MP			06 - NOT REQ / MP		
LOQ																					
Day: 1	1.906													64.4				6.09		76.2	8.9
2	1.856																				
3	1.568																				
4	2.016	5	84.0672	7	117.69408	0.1	1.681344	255	4287.4272	3.88	65.2361472	1.32	22.1937408	59				7.8			
5	2.54	6	127.1016	50	1059.18	0.1	2.11836							64.4				7.8			
6	2.532													59			7.1	7.6			
7	2.208													59			6.8	7.8			
8	2.128													59				7.8			
9	1.967																				
10	1.617																				
11	1.898	<4	<	9	142.46388	<.1	<	242	3830.69544	4.93	78.0385476	1.23	19.4700636	60.8				7.9			
12	2.016	<4	<	<2	<	<.1	<							60.8				7.9			
13	1.935													60.8			7.3	7.6			
14	1.62													60.8			7.1	7.1			
15	1.128													60.8				7.4			
16	1.133																				
17	1.283																				
18	1.683	<4	<	<2	<	<.1	<			5.63	79.0239186	0.56	7.8602832	59				7.4			
19	1.689	<4	<	3	42.25878	<.1	<							59				7.5			
20	1.935													59			7.3	7.1			
21	1.878													59			6.9	7.4			
22	2.076													60.8				7.4			
23	1.806																				
24	1.417																				
25	1.827	<4	<	2	30.47436	<.1	<	229	3489.31422	7.57	115.3454526	<.4	<	59				7.1			
26	1.878	<4	<	<2	<	<.1	<							57.2				7.6			
27	1.947													59			7.2	7.4			
28	1.746													57.2			7.2	7.2			
29	1.762													59				7.1			
30	1.776																				
31																					
Total	54.771	11	211.1688	71	1392.0711	0.2	3.799704	726	11607.43686	22.01	337.644066	3.11	49.5240876	1257			56.9	155.99		76.2	8.9
Monthly Avg.	1.8257	1.375	26.3961	8.875	174.0088875	0.025	0.474963	242	3869.14562	5.5025	84.4110165	0.7775	12.3810219	59.85714286			7.1125	7.428095238		76.2	8.9
Daily Max.	2.54	6	127.1016	50	1059.18	0.1	2.11836	255	4287.4272	7.57	115.3454526	1.32	22.1937408	64.4			7.3	7.9		76.2	8.9
Daily Min.	1.128							229	3489.31422	3.88	65.2361472			57.2			6.8	6.09		76.2	8.9
Max. 7/Avg.	2.089428571	5.5	105.5844	28.5	588.43704	0.1	1.899852	255	4287.4272	7.57	115.3454526	1.32	22.1937408	61.16			7.2	7.66		76.2	8.9

Permit # 7073001
Facility Name: WEST LIBERTY CITY OF STP

SIU: WEST LIBERTY FOODS
Outfall #: 001
Month/Year: 4-2022

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

Mon. Point	PRIOR TO DISCHARGE TO CITY SEWER						
Parameter	**FLOW**	**BOD5**	**TSS**	**NH3-N**	**TKN**	**O&G**	**PH**
Units	**MGD**	**LBS/DAY**	**LBS/DAY**	**LBS/DAY**	**LBS/DAY**	**MG/L**	**STD UNITS**
Frequency	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK
Start Date							
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge							
LOQ							
Day: 1	1.159						
2	0.952						
3	0.568						
4	1.031	3009	568	67	313		7.1
5	1.055	4945	1126	101	474	15	7.1
6	1.082						
7	0.998						
8	0.973						
9	0.902						
10	0.648						
11	1.037	1989	977	61	230		6.9
12	1.144	2252	1002	73	265	14	6.8
13	1.004						
14	0.81						
15	0.328						
16	0.326						
17	0.511						
18	0.927	1631	827	77	348		6.8
19	0.956	2344	917	85	358	5	6.8
20	1.005						
21	1.049						
22	1.035						
23	0.767						
24	0.476						
25	0.968	2228	961	38	392		6.9
26	1.071	2706	902	53	390	14	6.6
27	1.153						
28	1.044						
29	1.042						
30	0.989						
31							
Total	27.01	21104	7280	555	2770	48	55
Monthly Avg.	0.900333333	2638	910	69.375	346.25	12	6.875
Daily Max.	1.159	4945	1126	101	474	15	7.1
Daily Min.	0.326	1631	568	38	230	5	6.6
Max. 7/Avg.	0.977857143	3977	989.5	84	393.5	15	7.1

IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS REPORTING SYSTEM - DISCHARGE MONITORING REPORT
FACILITY INFORMATION

This form is valid 2/1/2019 to 1/31/2024

Facility Name: WEST LIBERTY CITY OF STP

Permit #: 7073001

Month/Year: 5 2022

Outfall #(s): 001 - DISCHARGE FROM AN ACTIVATED SLUDGE WASTEWATER TREATMENT FACILITY.
SIU-01 - 001 - EFFLUENT (WASTE) PRIOR TO DISCHARGE TO THE MUNICIPAL COLLECTION SYST

Operator Name: Craig Juergens

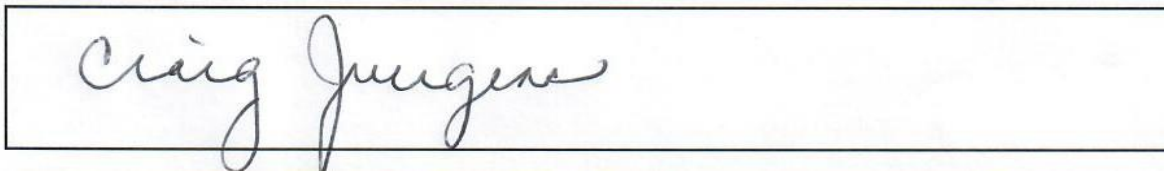
Certification #: 3338

Phone #: 319-627-2173

Lab Cert. #: 027,095,291,and 397

Comments: The E-Coli sampling started on 4/28. With a result of 20({MPN}/100mL. The other 4 sampes are listed on this report. The Geometric Mean for the 5 samples taken was 53.

*Include Comments longer than 1000 characters in email

Signature: 

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibilityof fine and imprisonment for known violations.

Permit # 7073001
Facility Name: WEST LIBERTY CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
INFLUENT Data

Outfall #: 001
Month/Year: 5-2022

Mon. Point	STORM WATER BASIN INFLUENT	MECHANICAL PLANT INFLUENT	RAW WASTE - TOTAL	STORM WATER BASIN RETURN	RAW WASTE											
Parameter	FLOW	FLOW	FLOW	FLOW	BOD5		TSS		TOT-N		TKN		PHOS		TEMP	PH
Units	MGD	MGD	MGD	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	FAHRENHEIT	STD UNITS
Frequency	7/WEEK OR DAILY	7/WEEK OR DAILY	7/WEEK OR DAILY	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK
Start Date																
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge																
LOQ																
Day: 1		0.837	0.837													
2	0.036	1.628	1.621	0.043	216	2920.13424	141	1906.19874	35	473.1699	34.5	466.41033	3.23	43.6668222	64.4	7.1
3	1.284	3.257	2.802	1.739	122	2850.97896	71	1659.17628							64.4	7
4	0.48	2.708	2.507	0.681												
5	0.036	2.01	2.016	0.03												
6	0.264	2.095	1.979	0.38												
7		1.078	1.078													
8		1.022	1.013	0.009												
9		1.599	1.598	0.001	330	4398.0156	213	2838.71916	38.7	515.767284	38.4	511.769088	4.92	65.5704144	66.2	7.31
10		1.444	1.444	220	220	2649.4512	46	553.97616							71.6	7.21
11		1.667	1.667													
12		1.527	1.527													
13		1.419	1.418	0.001												
14		1.202	1.202													
15		0.83	0.83													
16		1.391	1.391		342	3967.52148	91	1055.68554	39.6	459.397224	39.3	455.916942	5.71	66.2413674		7.29
17		1.46	1.458	0.002	268	3258.80496	100	1215.972							66.2	7.19
18	0.564	2.007	1.948	0.623											69.8	
19	0.18	1.641	1.501	0.32												
20		1.344	1.344													
21		1.08	1.08													
22		0.796	0.789	0.007												
23		1.245	1.243	0.002	286	2964.85332	112	1161.06144	37.3	386.674926	37	383.56494	4.1	42.503142	66.2	7.05
24		1.564	1.557	0.007	284	3687.84792	169	2194.52922							66.2	7.08
25	0.384	2.779	2.623	0.54												
26	0.324	2.497	2.366	0.455												
27	0.084	1.934	1.893	0.125												
28		0.861	0.847	0.014												
29		0.7	0.699	0.001												
30		0.768	0.768		82	525.21984	75	480.384	16.7	106.965504	16.1	103.122432	3.12	19.9839744	66.2	7.27
31		1.534	1.534		308	3940.41648	261	3339.11916							68	7.83
Total	3.636	47.924	46.58	224.98	2458	31163.244	1279	16404.8217	167.3	1941.974838	165.3	1920.783732	21.08	237.9657204	669.2	72.33
Monthly Avg.	0.3636	1.545935484	1.502580645	11.249	245.8	3116.3244	127.9	1640.48217	33.46	388.3949676	33.06	384.1567464	4.216	47.59314408	66.92	7.233
Daily Max.	1.284	3.257	2.802	220	342	4398.0156	261	3339.11916	39.6	515.767284	39.3	511.769088	5.71	66.2413674	71.6	7.83
Daily Min.	0.036	0.7	0.699	0.001	82	525.21984	46	480.384	16.7	106.965504	16.1	103.122432	3.12	19.9839744	64.4	7
Max. 7/Avg.	0.42	1.944714286	1.834285714	55.00275	305	3613.16322	140.5	1782.68751	39.6	515.767284	39.3	511.769088	5.71	66.2413674	68.9	7.26

Permit # 7073001
Facility Name: WEST LIBERTY CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

Outfall #: 001
Month/Year: 5-2022

Mon. Point	FINAL EFFLUENT	EFFLUENT PRIOR TO DISINFECTION				EFFLUENT AFTER DISINFECTION													CALCULATION REPORTED ANNUALLY ON DMR	
Parameter	FLOW	CBOD5		TSS		NH3-N		CHLORIDE		TOT-N		PHOS		TEMP	TOX CER	TOX PIM	DO	PH	E. COLI	ANN AVG N	ANN AVG P
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	FAHRENHEIT	NO TOXICITY	NO TOXICITY	MG/L	STD UNITS	#/100 ML	LBS/DAY	LBS/DAY
Frequency	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS	2 TIMES PER WEEK	5 TIMES PER WEEK	GEO. MEAN 1/3 MONTHS	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS
Start Date																					
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge															06 - NOT REQ / MP	06 - NOT REQ / MP				06 - NOT REQ / MP	06 - NOT REQ / MP
LOQ																					
Day: 1	1.242																				
2	1.813													59				7.3	52		
3	2.463	<4	<	<2	<	<.1	<	259	5320.22778	4.39	90.1768338	0.63	12.9410946	57.2				7.4			
4	2.088	<4	<	5	87.0696	1.22	21.2449824							59				7			
5	2.05													60.8			7.3	7.5	52		
6	2.021													60.8			7.5	7.3			
7	1.482																				
8	1.401													64.4							
9	1.868	<4	<	<2	<	<.1	<			4.89	76.1818968	0.76	11.8401312	69.8				7.6	120		
10	1.764	<4	<	<2	<	<.1	<							71.6				7.5			
11	1.891													73.4				7.29			
12	1.814													73.4			6.9	7.51	63		
13	1.674																7.1	7.19			
14	1.602																				
15	1.259																				
16	1.662	<4	<	3	41.58324	<.1	<	280	3881.1024	2.76	38.2565808	0.85	11.781918	68				7.5			
17	1.705	<4	<	<2	<	<.1	<							68				7.4			
18	1.722													68				7.33			
19	1.817													69.8			7.4	7.36			
20	1.707													71.6			7.3	7.45			
21	1.523																				
22	1.302																				
23	1.629	<4	<	3	40.75758	<.1	<			2.04	27.7151544	0.78	10.5969708	66.2				7.4			
24	1.857	<4	<	<2	<	<.1	<							66.2				7.4			
25	2.691													66.2				7.43			
26	2.336													66.2			6.9	7.35			
27	1.961													68			7.1	7.39			
28	1.11																				
29	1.013																				
30	1.13	<4	<	4	37.6968	<.1	<	210	1979.082	4.74	44.670708	1.49	14.042058	66.2				7.29			
31	1.782	5	74.3094	48	713.37024	0.52	7.7281776							66.2				7.48			
Total	53.379	5	74.3094	63	920.47746	1.74	28.97316	749	11180.41218	18.82	277.0011738	4.51	61.2021726	1460			57.5	162.37	287		
Monthly Avg.	1.721903226	0.5	7.43094	6.3	92.047746	0.174	2.897316	249.6666667	3726.80406	3.764	55.40023476	0.902	12.24043452	66.36363636			7.1875	7.380454545	67.2406837		
Daily Max.	2.691	5	74.3094	48	713.37024	1.22	21.2449824	280	5320.22778	4.89	90.1768338	1.49	14.042058	73.4			7.5	7.6	120		
Daily Min.	1.013							210	1979.082	2.04	27.7151544	0.63	10.5969708	57.2			6.9	7	52		
Max. 7/Avg.	1.879857143			2.5	43.5348	0.61	10.6224912	280	5320.22778	4.89	90.1768338	0.85	12.9410946	70.52			7.4	7.418	91.5		

Permit # 7073001
Facility Name: WEST LIBERTY CITY OF STP

SIU: WEST LIBERTY FOODS
Outfall #: 001
Month/Year: 5-2022

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

Mon. Point	PRIOR TO DISCHARGE TO CITY SEWER						
Parameter	**FLOW**	**BOD5**	**TSS**	**NH3-N**	**TKN**	**O&G**	**PH**
Units	**MGD**	**LBS/DAY**	**LBS/DAY**	**LBS/DAY**	**LBS/DAY**	**MG/L**	**STD UNITS**
Frequency	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK
Start Date							
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge							
LOQ							
Day: 1	0.522						
2	0.938	1392	508	40	230		6.9
3	1.073	2568	1038	82	479	21	6.8
4	0.97						
5	1.015						
6	1.057						
7	0.56						
8	0.577						
9	1.051	2174	386	49	239		6.9
10	0.962	3049	1645	43	327	33	5.7
11	1.087						
12	1.029						
13	1.049						
14	0.85						
15	0.564						
16	1.02	2059	698	71	352		7.1
17	1.075	3120	565	91	516	11	6.9
18	1.096						
19	1.02						
20	1.006						
21	0.842						
22	0.654						
23	0.959	1936	424	42	170		6.8
24	1.15	2369	460	63	12	10	6.4
25	1.01						
26	1.048						
27	1.03						
28	0.246						
29	0.188						
30	0.421	165	112	10	9		6.46
31	0.972	2343	746	82	313	15	6.5
Total	27.041	21175	6582	573	2647	90	66.46
Monthly Avg.	0.872290323	2117.5	658.2	57.3	264.7	18	6.646
Daily Max.	1.15	3120	1645	91	516	33	7.1
Daily Min.	0.188	165	112	10	9	10	5.7
Max. 7/Avg.	0.946142857	2611.5	1015.5	81	434	33	7

IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS REPORTING SYSTEM - DISCHARGE MONITORING REPORT
FACILITY INFORMATION

This form is valid 2/1/2019 to 1/31/2024

Facility Name: WEST LIBERTY CITY OF STP

Permit #: 7073001

Month/Year: 6 2022

Outfall #(s): 001 - DISCHARGE FROM AN ACTIVATED SLUDGE WASTEWATER TREATMENT FACILITY.
SIU-01 - 001 - EFFLUENT (WASTE) PRIOR TO DISCHARGE TO THE MUNICIPAL COLLECTION SYST

Operator Name: Craig Juergens

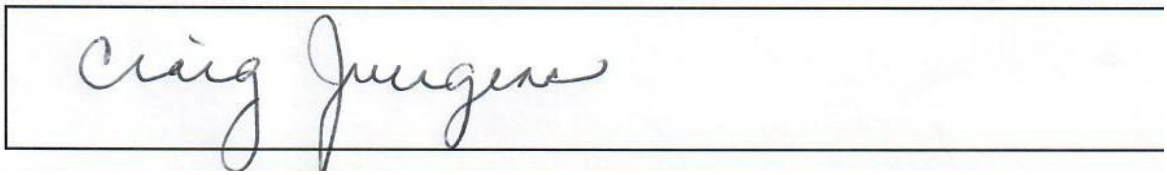
Certification #: 3338

Phone #: 319-627-2173

Lab Cert. #: 027,095,291,and 397

Comments: June data non-detects on CBOD& Ammonia.

*Include Comments longer than 1000 characters in email

Signature: 

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibilityof fine and imprisonment for known violations.

Permit # 7073001
Facility Name: WEST LIBERTY CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
INFLUENT Data

Outfall #: 001
Month/Year: 6-2022

Mon. Point	STORM WATER BASIN INFLUENT	MECHANICAL PLANT INFLUENT	RAW WASTE - TOTAL	STORM WATER BASIN RETURN	RAW WASTE											
Parameter	FLOW	FLOW	FLOW	FLOW	BOD5		TSS		TOT-N		TKN		PHOS		TEMP	PH
Units	MGD	MGD	MGD	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	FAHRENHEIT	STD UNITS
Frequency	7/WEEK OR DAILY	7/WEEK OR DAILY	7/WEEK OR DAILY	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK
Start Date																
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge																
LOQ																
Day: 1		1.583	1.583													
2	0.108	1.718	1.679	0.147												
3		1.439	1.439													
4		0.773	0.773													
5		0.91	0.91													
6	0.036	1.341	1.324	0.053	327	3610.78632	121	1336.10136	44.9	495.792984	44.4	490.271904	6.22	68.6822352	69.8	7.21
7		1.493	1.482	0.011	330	4078.7604	186	2298.93768							69.8	7.21
8	0.468	1.97	1.876	0.622												
9		1.343	1.343													
10	0.372	1.905	1.76	0.517												
11		0.59	0.59													
12	0.036	0.772	0.746	0.062												
13	0.492	2.008	1.818	0.682	360	5458.3632	145	2198.5074	39.7	601.936164	39.4	597.387528	6.22	94.3083864	69.8	7.11
14	0.756	2.322	2.057	1.021	250	4288.845	219	3757.02822							71.6	7.15
15	0.072	1.705	1.675	0.102												
16	0.3	2.134	2.025	0.409												
17		1.432	1.432													
18		0.648	0.647	0.001												
19		0.725	0.725													
20		1.327	1.327		338	3740.70684	178	1969.95804	41.4	458.181252	41.1	454.861098	4.94	54.6718692	71.6	7.1
21		1.513	1.506	0.007	324	4069.45296	156	1959.36624							71.6	7.16
22		1.335	1.331	0.004												
23	0.012	1.315	1.327													
24	0.024	1.761	1.721	0.064												
25		1.382	1.379	0.003												
26		0.989	0.989													
27		1.382	1.382		294	3388.60872	175	2017.029	33.2	382.659216	32.8	378.048864	5.18	59.7040584	68	7.15
28		1.56	1.557	0.003	272	3532.02336	141	1830.93858							69.8	7.03
29		1.332	1.332													
30		1.241	1.241													
31																
Total	2.676	41.948	40.976	3.708	2495	32167.5468	1321	17367.86652	159.2	1938.569616	157.7	1920.569394	22.56	277.3665492	562	57.12
Monthly Avg.	0.243272727	1.398266667	1.365866667	0.23175	311.875	4020.94335	165.125	2170.983315	39.8	484.642404	39.425	480.1423485	5.64	69.3416373	70.25	7.14
Daily Max.	0.756	2.322	2.057	1.021	360	5458.3632	219	3757.02822	44.9	601.936164	44.4	597.387528	6.22	94.3083864	71.6	7.21
Daily Min.	0.012	0.59	0.59	0.001	250	3388.60872	121	1336.10136	33.2	382.659216	32.8	378.048864	4.94	54.6718692	68	7.03
Max. 7/Avg.	0.4248	1.558571429	1.455714286	0.5808	331	4873.6041	182	2977.76781	44.9	601.936164	44.4	597.387528	6.22	94.3083864	71.6	7.21

Permit # 7073001
Facility Name: WEST LIBERTY CITY OF STP

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

Outfall #: 001
Month/Year: 6-2022

Mon. Point	FINAL EFFLUENT	EFFLUENT PRIOR TO DISINFECTION				EFFLUENT AFTER DISINFECTION													CALCULATION REPORTED ANNUALLY ON DMR	
Parameter	FLOW	CBOD5		TSS		NH3-N		CHLORIDE		TOT-N		PHOS		TEMP	TOX CER	TOX PIM	DO	PH	E. COLI	ANN AVG N	ANN AVG P
Units	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY	FAHRENHEIT	NO TOXICITY	NO TOXICITY	MG/L	STD UNITS	#/100 ML	LBS/DAY	LBS/DAY
Frequency	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 EVERY MONTH	1 EVERY MONTH	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS	2 TIMES PER WEEK	5 TIMES PER WEEK	GEO. MEAN 1/3 MONTHS	1 EVERY 12 MONTHS	1 EVERY 12 MONTHS
Start Date End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge		05 - NO DETECTION	05 - NO DETECTION			05 - NO DETECTION	05 - NO DETECTION								06 - NOT REQ / MP	06 - NOT REQ / MP			06 - NOT REQ / MP	06 - NOT REQ / MP	06 - NOT REQ / MP
LOQ																					
Day: 1	1.809													69.8				7.7			
2	1.729													71.6			6.8	7.59			
3	1.594													69.8			7	7.49			
4	1.155																				
5	1.274																				
6	1.701	<4	<	<2	<	<.1	<	269	3816.12546	4.68	66.3920712	0.95	13.477023	69.8				7.53			
7	1.795	<4	<	<2	<	<.1	<							69.8				7.2			
8	1.798													69.8				7.41			
9	1.694													69.8			7.3	7.48			
10	1.76													69.8			6.9	7.4			
11	1.161																				
12	1.268																				
13	1.774	<4	<	<2	<	<.1	<			3.23	47.7883668	1.17	17.3103372	71.6				7.4			
14	1.843	<4	<	3	46.11186	<.1	<							71.6				7.5			
15	1.915													73.4				7.39			
16	1.879													73.4			7.4	7.4			
17	1.897													73.4			7.2	7.45			
18	1.211																				
19	1.298																				
20	1.707	<4	<	10	142.3638	<.1	<			2.94	41.8549572	1.53	21.7816614	71.6				7.6			
21	1.855	<4	<	<2	<	<.1	<							73.4				7.5			
22	1.609													73.4				7.64			
23	1.628													73.4			7.2	7.45			
24	1.927													73.4			6.9	7.4			
25	1.708																				
26	1.343																				
27	1.66	<4	<	2	27.6888	<.1	<	259	3585.6996	2.91	40.287204	1.48	20.489712	69.8				7.4			
28	1.783	<4	<	<2	<	<.1	<							69.8				7.4			
29	1.613													71.6			7.1	7.46			
30	1.54													73.4			7.3				
31																					
Total	48.928	0	0	15	216.16446	0	0	528	7401.82506	13.76	196.3225992	5.13	73.0587336	1573.4			71.1	156.79			
Monthly Avg.	1.630933333	0	0	1.875	27.0205575	0	0	264	3700.91253	3.44	49.0806498	1.2825	18.2646834	71.51818182			7.11	7.46619047 6			
Daily Max.	1.927			10	142.3638			269	3816.12546	4.68	66.3920712	1.53	21.7816614	73.4			7.4	7.7			
Daily Min.	1.155							259	3585.6996	2.91	40.287204	0.95	13.477023	69.8			6.8	7.2			
Max. 7/Avg.	1.680285714			5	71.1819			269	3816.12546	4.68	66.3920712	1.53	21.7816614	73.04			7.3	7.502			

Permit # 7073001
Facility Name: WEST LIBERTY CITY OF STP

SIU: WEST LIBERTY FOODS
Outfall #: 001
Month/Year: 6-2022

Monthly Operation Report
IOWA DEPARTMENT OF NATURAL RESOURCES
NPDS - Operation Permit System
EFFLUENT Data

Mon. Point	PRIOR TO DISCHARGE TO CITY SEWER						
Parameter	**FLOW**	**BOD5**	**TSS**	**NH3-N**	**TKN**	**O&G**	**PH**
Units	**MGD**	**LBS/DAY**	**LBS/DAY**	**LBS/DAY**	**LBS/DAY**	**MG/L**	**STD UNITS**
Frequency	7/WEEK OR DAILY	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	2 TIMES PER WEEK	1 TIME PER WEEK	2 TIMES PER WEEK
Start Date							
End Date	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration	Permit Duration
No Discharge							
LOQ							
Day: 1	1.081						
2	1.003						
3	0.936						
4	0.426						
5	0.445						
6	0.874	1633	496	52	235		6.91
7	1.035	3090	1131	67	333	22	6.9
8	0.974						
9	0.944						
10	0.955						
11	0.39						
12	0.411						
13	0.948	2309	688	46	247		6.8
14	1.082	3862	1209	98	448	9	6.8
15	0.992						
16	1.005						
17	1.015						
18	0.522						
19	0.589						
20	1.024	2152	1085	52	258		6.7
21	1.101	3168	1093	70	325	10	6.9
22	0.917						
23	0.954						
24	1.068						
25	0.494						
26	0.51						
27	0.882	1317	765	51	194		6.8
28	0.932	3442	1002	113	373	11	6.7
29	0.932						
30	0.965						
31							
Total	25.406	20973	7469	549	2413	52	54.51
Monthly Avg.	0.846866667	2621.625	933.625	68.625	301.625	13	6.81375
Daily Max.	1.101	3862	1209	113	448	22	6.91
Daily Min.	0.39	1317	496	46	194	9	6.7
Max. 7/Avg.	0.892571429	3085.5	1089	82	347.5	22	6.905