SIOUX CITY PRETREATMENT PROGRAM
INDUSTRY FLOW AND SAMPLER LOG

Jan-19
Month

Industry Name: Big Ox Energy
Industry Permit Number: 2016-31-I

Day of Month	Totalized Flow 40.044 Units (MGD or gpd) Record Daily	Daily Flow 1.292 Units (MGD or gpd) Record Daily	Sampler Temp (°C) Record Daily	Notes/Deficiencies
1	0.895			
2	1.233			
3	1.602			
4	1.557			
5	0.938			
6	0.590			
7	1.145			
8	1.474			
9	1.478			
10	1.512			
11	1.522			
12	1.198			
13	0.694			
14	1.219			
15	1.478			
16	1.477			
17	1.556			
18	1.444			
19	1.142			
20	0.529			
21	1.380			
22	1.467			
23	1.513			
24	1.509			
25	1.648			
26	1.125			
27	0.661			
28	1.353			
29	1.471			
30	1.599			
31	1.634			
AVERAGE	1.292	NA		
MAX	1.648	0		

Sampler Temperature must be maintained between 2 and 6 degrees Celcius at all times. Any excursions require notification to the City within 24 hours of becoming aware and alternative measures to maintain temperature must be made (e.g., supplement with ice).

Certification Waiver:

"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."

Signed by an Authorized Representative[1]: Dustin McCaslin 2.15.19

1 Refer to 40 CFR 403.12(l) for the signatory requirements

Date	Composite TSS	Hourly TSS 00:00	Hourly TSS 07:00	Hourly TSS 12:00	Hourly TSS 18:00	Eff. Comp. pH	Auto Sampler Temp.	Daily Eff. Discharge	Daily Solids Discharge	TKN (Hach 10242)	TN (from TKN 10242)	TP (Hach 8190)
January 1, 2019	7718	15736	84	31	12752	8.54	2	894798.0	57596.5		481	
January 2, 2019	1261	67	42	64	105	8.62	2	1232839.0	12965.4		352	
January 3, 2019	212	51	59	45	165	8.71	2	1601501.0	2831.6		265	
January 4, 2019	674	1230	70	331	570	8.58	3	1557322.0	8754.0		224	
January 5, 2019	770	156	207	173	65	8.5	3	937739.0	6022.0		<200	
January 6, 2019	3142	204	145	187	128	8.38	3	590287.0	15468.0		456	
January 7, 2019	2726	10	2380	178	15	8.76	3	1144701.0	26024.6		394	
January 8, 2019	286	56	210	22	29	8.61	3	1474060.0	3516.0		271	
January 9, 2019	1257	79	172	1830	69	8.77	3	1477974.0	15494.2		432	
January 10, 2019	1228	626	62	82	65	9.17	2.5	1512101.0	15486.2		257	
January 11, 2019	2078	199	30	71	6552	8.37	2.5	1521827.6	26374.1		286	
January 12, 2019	6013		114			8.14	2.5	1197872.0	60071.4		434	
January 13, 2019	11535	13287		286	14510	8.05	2.5	694129.2	66776.5			
January 14, 2019	3344	87	97	7165	4196	8.26	2.5	1218850.0	33992.5			
January 15, 2019	4582	1482	214	3556	5585	8.39	2.5	1477742.5	56470.3	413	417	
January 16, 2019	1122	55	102	226	95	8.51	2.5	1477473.6	13825.4			
January 17, 2019	4395	5590	2349	92		8.92	3.5	1556167.8	57040.2	386	414	
January 18, 2019	3748	34	3400	10540	288	8.75	3	1444051.3	45138.6			
January 19, 2019	3790	358	1034	414		8.44	3	1142388.4	36109.3			
January 20, 2019	13973	10840	9004	5412	9428	8.55	3	529235.4	61674.3			
January 21, 2019	2422	292	105	132	78	8.43	3	1380148.3	27878.3	370	375	
January 22, 2019	1966	28	87		201	8.73	3	1467430.4	24060.6			
January 23, 2019	1258	90	73	51	67	8.51	3	1513128.8	15875.3	282	284	
January 24, 2019	1288	1304	62	120	47	8.89	3	1509083.8	16210.5			
January 25, 2019	2616	4128	35	112	13368	8.67	3	1648433.8	35964.6			
January 26, 2019	2718	228	91	152	19076	8.39	3	1124780.8	25496.7			
January 27, 2019	11160	1236	8016		15740	8.21	3	661313.4	61551.4			
January 28, 2019	4508	6712	5952	9940	2552	8.42	3	1352582.0	50852.6	562	572	
January 29, 2019	1486	68	57	76	47	8.59	3	1471458.3	18236.1			
January 30, 2019	3158	49	65	211	56	8.57	3	1599035.9	42115.0			
January 31, 2019	3667	42	84	101	89	8.68	3	1633754.8	49964.8			
							Daily Solids Average		31930.2			