



MONTHLY OPERATIONAL REPORT

City of Broken Arrow Lynn Lane Water Reclamation Facility

June-19

		WEATHER			INFLUENT							OXIDATION DITCH					SLUDGE				FINAL EFFLUENT													STREAM SURVEILLANCE															
Date	Day	°F	Rain	Cloud Conditions	Flow (MGD)	RAS (MGD)	°C	pH	Alk.	Sett. Solids	TSS (mg/L)	BOD (mg/L)	D.O. (mg/L)	30 Min. Settlt.	SVI (ml/gm)	MLSS (mg/L)	Sl. Age (Days)	WAS (MGD)	CAKE (%)	LANDFILL (Tons)	LANDFILL (D.M. Tons)	°C	D.O. (mg/L)	TDS (mg/L)	TDS (lbs)	pH	Alk.	TSS (mg/L)	TSS (lbs)	BOD (mg/L)	BOD (lbs)	Hg	Hg (lbs.)	E.Coli	Cl2 Res	Flow (MGD)	°C Upstr.	°C Dnstr.	D.O. Upstr.	D.O. Dnstr.	pH Upstr.	pH Dnstr.	App. Upstr.	App. Dnstr.	Fec. Coli. Upstr.	Fec. Coli. Dnstr.	Hrdss.		
1	Sat	88	0.00	clear	3.286	4.805	21	7.0	262	0.5			4.1	50				0.041				20	9.8			7.5	152								0.05	3.286													
2	Sun	90	0.00	cloudy	3.549	4.841	22	7.1	268	2			3.4	50				0.246				21	8.1	533	15,776	7.4	130	4.00	118.39	7.00	207.19	0.00005	0.0015			0.05	3.549												
3	Mon	84	0.53	cloudy	2.859	4.851	21	7.5	250	1.5	132	133	1.9	50	17	2,986	32	0.241	22	17.45	3.72	23	8.1			7.3	112	2.00	47.69	8.00	190.75			38.0	0.05	2.859													
4	Tue	83	0.01	cloudy	3.024	4.847	21	7.4	252	3	188	162	2.3	50	24	2,100	15	0.246	24	19.05	4.44	22	8.0			7.4	126	4.00	100.88	10.00	252.20			6.0	0.05	3.024													
5	Wed	90	0.00	p. cloudy	3.321	2.841	20	7.4	238	3.5	122	158	2.1	50	11	4,638	46	0.202				22	7.9			7.4	134	4.00	110.79	11.00	304.67					0.05	3.321												
6	Thur	82	0.68	cloudy	3.476	2.788	21	7.3	250	3	290	216	0.4	50	10	5,193	21	0.193				21	7.9			7.5	178	5.00	144.95	12.00	347.88					0.05	3.476												
7	Fri	86	0.07	p. cloudy	6.760	4.897	20	7.1	196	5	248	220	2.4	50	9	5,628	13	0.229				21	7.8			7.3	139								0.05	4.196													
8	Sat	89	0.01	p. cloudy	7.270	4.814	21	7.2	221	3			2.0	50				0.163				22	7.8			7.4	172								0.05	4.467													
9	Sun	84	0.06	cloudy	6.950	4.769	21	7.3	251	2			1.4	50				0.273				22	7.7			7.3	152	5.00	179.48	8.00	287.16					0.05	4.304												
10	Mon	80	0.00	cloudy	6.460	4.834	20	7.3	249	7	210	169	0.4	70	13	5,261	16					21	7.6			7.4	162	3.00	101.61	7.00	237.08			1.0	0.05	4.061													
11	Tue	80	0.00	cloudy	6.130	3.365	20	7.3	240	7.5	204	169	1.8	60	9	7,045	23	0.198				20	7.6			7.4	172	3.00	94.00	9.00	282.00			1.0	0.05	3.757													
12	Wed	81	0.00	p. cloudy	5.632	3.119	21	7.3	255	250	1816	705	0.6	70	14	5,108	2	0.198				21	7.5			7.4	197	4.00	117.46	9.00	264.29					0.05	3.521												
13	Thur	82	0.00	clear	5.574	3.096	20	7.3	268	250	800	458	0.3	50	18	2,720	2	0.202	26	17.64	4.45	21	7.6			7.5	186	3.00	86.84	10.00	289.48					0.05	3.471												
14	Fri	83	0.16	cloudy	5.459	3.410	20	7.4	259	250	1490	705	0.9	100	14	7,025	3	0.196				21	7.5			7.5	176								0.05	3.463													
15	Sat	85	0.21	cloudy	5.131	3.259	21	7.4	267	250			0.2	80				0.182				21	7.2			7.4	170								0.05	3.242													
16	Sun	84	0.33	p. cloudy	5.575	3.260	21	7.3	259	250			0.1	110				0.204				21	7.3			7.5	182	4.00	116.93	8.00	233.85					0.05	3.505												
17	Mon	84	0.17	cloudy	5.952	3.100	21	7.3	248	250	4610	1884	0.1	120	14	8,555	1	0.188				22	7.2			7.4	181	4.00	124.37	7.00	217.64			1.0	0.05	3.728													
18	Tue	89	0.00	p. cloudy	6.019	3.110	21	7.3	287	250	4200	915	0.1	140	19	7,265	1	0.232	29	19.80	5.57	22	7.3			7.4	182	4.00	124.73	8.00	249.47			4.0	0.05	3.739													
19	Wed	84	0.33	cloudy	5.803	2.917	21	7.3	254	300	5290	915	0.1	130	24	5,440	1	0.197	29	20.43	5.75	22	7.3			7.4	195	3.00	90.65	7.00	211.51					0.05	3.623												
20	Thur	93	0.00	clear	5.621	3.306	21	7.4	286	250	2760	920	0.1	120				0.194				22	7.0			7.5	183	3.00	86.62	8.00	230.98					0.05	3.462												
21	Fri	93	0.00	cloudy	5.574	3.096	22	7.4	251	250	1984	785	0.2	100	27	3,665	1	0.200	29	34.69	9.76	23	6.8			7.6	183								0.05	3.445													
22	Sat	91	0.23	cloudy	5.519	3.122	21	7.2	260	250			0.1	130				0.220				23	7.0			7.4	170								0.05	3.407													
23	Sun	78	1.90	cloudy	6.014	2.581	22	7.0	141	100			0.2	100				0.193				23	6.9			7.4	177	4.00	122.56	7.00	214.49					0.05	3.674												
24	Mon	86	0.00	cloudy	7.595	4.912	21	7.2	268	250	1268	528	0.1	100	1	102,300	42	0.205	24	21.96	5.11	22	7.8			7.3	134	2.00	76.53	4.00	153.06			46.0	0.05	4.588	PARTIAL WEEKLY AVG.NO's												
25	Tue	89	0.00	cloudy	6.663	5.005	21	7.2	263	250	2150	719	0.1	110	15	7,200	2	0.202	24	47.04	10.95	22	7.0			7.4	164	2.00	67.20	4.00	134.41			8.0	0.05	4.029	Date	Week No.	TSS	BOD									
26	Wed	89	0.00	p. cloudy	6.076	5.115	22	7.3	281	250	2240	866	0.1	100	30	3,380	1	0.192	23	68.54	15.29	23	7.4			7.4	162	3.00	90.75	3.00	90.75					0.05	3.627												
27	Thur	91	0.00	p. cloudy	5.798	3.853	23	7.3	261	250	1760	766	0.1	110	19	5,740	2	0.200	29	40.49	11.39	22	7.2			7.4	176								0.05	3.497													
28	Fri	93	0.00	p. cloudy	3.878	2.856	22	7.3	300	10	474	342	0.1	60	11	5,225	11	0.211	26	49.40	12.46	24	7.1			7.4	155								0.05	2.370													
29	Sat	95	0.00	clear	5.259	2.841	21	7.3	261	14			0.2	120				0.191				23	6.7			7.4	168	3.00	80.34	5.00	133.90					0.05	3.211												
30	Sun	90	0.00	clear	5.150	2.907	22	7.3	303	15			0.1	100				0.200				23	7.0			7.4	167	2.00	53.88	4.00	107.75																		

REMARKS : Actual 0.05 not <0.05 on 06-08-19.
High numbers due to sample line went over into RAS flow sampling wrong location, 06-12-19 to 06-27-19.
Influent flowmeter was down using Effluent totalizer 06-01-19 to 06-05-19.
WAS pump was offline 06-10-19.

Electrical Costs :	18,703.05
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