



MONTHLY OPERATIONAL REPORT

City of Broken Arrow Lynn Lane Wastewater Treatment Facility

January-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. Sett.	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	Tues	33	0.00	cloudy	7.170	5.643	15	7.4	258	10	215	238	2.0	320				0.212					14	8.6			7.1	128	7.00	268.96	15.00	576.34				0.03	4.607												
2	Wed	31	0.01	cloudy	5.866	3.662	16	7.3	276	13	236	239	0.5	370	123	3,007	9	0.205	13	42.81	5.40	14	8.4			7.2	147	3.00	97.05	8.00	258.81			8.0	0.03	3.879													
3	Thur	34	1.08	cloudy	5.462	3.362	16	7.3	285	14	132	209	0.3	350	113	3,100	17	0.222	13	36.73	4.63	15	8.3			7.3	160	8.00	241.79	13.00	392.91				0.03	3.624													
4	Fri	55	0.40	cloudy	7.476	4.926	14	7.1	147	15	316	304	3.0	240	109	2,200	4	0.222	13	43.11	5.44	13	8.0			7.0	96								0.03	4.812													
5	Sat	66	0.00	clear	6.418	5.630	15	7.4	249	9			3.0	260				0.220					14	8.7			7.1	117								0.03	4.199												
6	Sun	65	0.00	cloudy	5.815	4.886	16	7.2	269	11			2.0	190				0.222					16	8.9	528	16,936	7.2	123	3.00	96.23	8.00	256.61	0.00005	0.0016		0.03	3.846												
7	Mon	70	0.01	clear	5.595	3.796	17	7.1	275	13	284	217	0.3	200	60	3,307	8	0.224	16	22.55	3.50	17	8.4			7.1	133	3.00	91.60	8.00	244.26				0.03	3.661													
8	Tues	59	0.00	clear	5.108	3.547	17	7.2	266	13	150	226	0.4	240	106	2,272	12	0.196	17	19.12	3.15	16	8.5			7.1	132	3.00	88.22	8.00	235.25			10.0	0.03	3.526													
9	Wed	52	0.00	clear	4.771	3.314	16	7.2	290	17	326	295	0.7	270	112	2,410	6	0.220	16	42.27	6.56	14	9.0			7.1	110	2.00	55.28	7.00	193.47				0.03	3.314													
10	Thur	44	0.01	p cloudy	4.552	2.979	16	7.2	294	14	216	280	0.8	320	111	2,872	12	0.220	15	41.65	6.06	15	8.8			7.1	106	2.00	49.69	6.00	149.07				0.03	2.979													
11	Fri	40	1.17	cloudy	4.563	3.331	16	7.2	291	14	270	287	1.0	270	109	2,470	8	0.222	18	37.75	6.59	14	8.7			7.1	117								0.03	2.914													
12	Sat	40	0.25	cloudy	5.319	4.307	15	7.3	153	10			4.9	240				0.227					14	8.8			7.1	92								0.03	4.483												
13	Sun	35	0.00	cloudy	7.996	4.132	15	7.4	241	6			4.2	250				0.222					14	9.5			7.2	115	2.00	68.92	5.00	172.30				0.03	4.132												
14	Mon	38	0.00	cloudy	5.632	3.889	16	7.2	260	11	160	164	1.1	200	100	1,994	9	0.220	18	22.12	3.86	14	8.9			7.2	128	2.00	62.40	6.00	187.20				0.03	3.741													
15	Tues	50	0.00	p cloudy	5.501	3.852	15	7.2	260	10	194	212	1.3	250	93	2,680	10	0.216	17	40.16	6.62	13	8.9			7.1	129	2.00	60.50	6.00	181.50			6.0	0.03	3.627													
16	Wed	50	0.03	cloudy	5.215	3.587	16	7.2	270	11	292	250	1.0	280	123	2,275	6	0.228	16	21.21	3.29	14	8.5			7.2	137	2.00	56.90	6.00	170.69				0.03	3.411													
17	Thur	48	0.03	cloudy	5.058	3.550	16	7.3	253	14	528	278	0.7	270	110	2,450	4	0.223	17	44.03	7.26	16	8.6			7.2	143	2.00	55.18	7.00	193.12				0.03	3.308													
18	Fri	62	0.55	cloudy	5.025	3.613	16	7.2	269	15	346	295	1.0	280	127	2,200	5	0.220	16	43.49	6.75	15	8.2			7.2	152								0.03	3.307													
19	Sat	44	0.00	cloudy	5.857	3.567	13	6.9	155	13			2.5	290				0.219					15	7.9			6.8	130								0.03	3.859												
20	Sun	40	0.00	clear	6.336	3.540	13	7.4	261	11			3.2	310				0.222					17	9.1			7.4	125	2.00	68.52	8.00	274.09				0.03	4.108												
21	Mon	50	0.00	clear	5.584	3.636	15	7.4	257	12	156	238	2.4	270				0.224					16	8.8			7.3	126	3.00	89.62	9.00	268.86				0.03	3.582												
22	Tues	53	0.08	cloudy	5.490	3.528	16	7.2	254	11	224	280	0.9	250	118	2,120	7	0.210	16	20.05	3.11	15	8.4			7.2	139	2.00	59.68	7.00	208.88			3.0	0.03	3.578													
23	Wed	39	0.00	p cloudy	5.083	3.637	15	7.3	258	14	274	282	0.8	360	145	2,490	7	0.203	16	42.45	6.59	13	8.6			7.3	146	5.00	139.82	7.00	195.75				0.03	3.353													
24	Thur	43	0.00	p cloudy	5.043	3.656	15	7.3	263	13	226	286	0.3	350	146	2,390	8	0.220	16	44.24	6.87	14	8.4			7.2	126	2.00	55.08	5.00	137.69				0.03	3.302	PARTIAL WEEKLY AVG.NO.'s												
25	Fri	32	0.00	p cloudy	4.822	3.158	14	7.2	253	15	274	331	0.7	380	158	2,400	7	0.227	16	40.68	6.31	12	8.5			7.1	140								0.03	3.158	Date	Week No.	TSS	BOD									
26	Sat	56	0.00	clear	4.590	3.062	16	7.3	257	16			2.0	360				0.222					15	8.6			7.3	143								0.03	3.062	12/30	1	4.00	12.00								
27	Sun	57	0.00	clear	4.630	3.061	17	7.4	262	16			2.0	350				0.220					17	8.4			7.3	161	4.00	102.11	12.00	306.34				0.03	3.061	12/31	1	7.00	14.00								
28	Mon	47	0.00	cloudy	4.734	3.552	15	7.2	269	14	300	350	0.2	380	155	2,450	7	0.216	15	22.63	3.29	15	8.0			7.2	148	2.00	51.56	5.00	128.89				0.03	3.091													
29	Tues	46	0.00	clear	4.517	3.686	15	7.3	269	16	352	284	0.4	390	157	2,490	6	0.218	17	40.83	6.73	14	8.3	</																									