



MONTHLY OPERATIONAL REPORT
City of Broken Arrow Lynn Lane Wastewater Treatment Facility
October-18

		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.	Hrds.			
1	Mon	84	0.00	cloudy	3.973	3.499	24	7.6	337	17	246	307	0.1	170	101	1,690	7	0.214	17	21.34	3.52	24	7.0	440	10,315	7.4	161	7.00	164.11	2.00	46.89	0.00005	0.0012		0.03	2.811														
2	Tue	87	0.00	clear	3.890	2.526	24	7.5	322	15	256	365	0.1	160	95	1,690	7	0.231	17	37.53	6.19	23	7.1			7.4	171	3.00	69.41	8.00	185.08			2.0	0.03	2.774														
3	Wed	89	0.00	clear	3.897	2.508	24	7.5	314	17	240	348	0.2	170	101	1,685	7	0.234	17	17.51	2.89	24	6.9			7.4	173	3.00	69.91	8.00	186.42				0.03	2.794														
4	Thur	89	0.00	clear	3.848	2.889	24	7.5	330	18	388	447	0.2	200	127	1,570	4	0.218	16	37.95	5.89	24	6.9			7.4	175	3.00	69.16	8.00	184.41				0.03	2.764														
5	Fri	89	0.00	cloudy	3.784	2.827	23	7.5	337	16	338	406	0.0	170	69	2,465	8	0.212	17	36.42	6.01	23	6.9			7.5	179							0.03	2.746															
6	Sat	88	1.86	cloudy	3.683	2.992	24	7.6	320	10			0.0	210				0.218				24	6.8			7.4	185							0.03	2.686															
7	Sun	80	0.24	cloudy	5.019	2.523	23	7.4	228	15			0.1	180				0.214				24	7.0			7.4	150	2.00	59.00	9.00	265.49				0.03	3.537														
8	Mon	84	0.01	cloudy	5.624	3.427	24	7.5	321	11	194	249	0.1	150	79	1,900	7	0.187	17	19.71	3.25	24	6.8			7.5	171	2.00	64.79	10.00	323.93				0.03	3.884														
9	Tue	73	1.09	cloudy	4.789	2.585	24	7.4	290	13	280	288	0.3	170	89	1,920	6	0.220	16	35.55	5.52	24	6.9			7.5	194	3.00	86.14	10.00	287.15		9.0	0.03	3.443															
10	Wed	65	0.01	p. cloudy	6.320	2.508	23	7.5	284	10	222	235	0.2	150	63	2,365	7	0.193	17	43.49	7.17	22	6.9			7.4	160	4.00	142.78	10.00	356.95				0.03	4.280														
11	Thur	64	0.00	clear	5.370	2.749	22	7.4	251	9	432	249	0.2	200	105	1,910	3	0.207	16	19.45	3.02	22	7.3			7.4	214	7.00	219.51	14.00	439.02				0.03	3.760														
12	Fri	59	0.23	cloudy	4.470	2.879	22	7.5	310	12	310	314	0.2	210	124	1,695	5	0.201	15	39.62	5.77	23	7.3			7.5	247							0.03	3.209															
13	Sat	53	0.00	cloudy	4.248	2.755	22	7.4	300	15			0.2	230				0.214				23	6.8			7.5	242							0.03	3.100															
14	Sun			cloudy	4.372	2.851	22	7.3	275	15			0.2	250				0.184				23	7.0			7.5	217	18.00	470.33	31.00	810.01				0.03	3.133														
15	Mon			cloudy	4.744	2.965	21	7.5	286	12	297	280	0.2	220	115	1,910	5	0.181	17			20	7.2			7.5	247	29.00	794.99	43.00	1178.78				0.03	3.287														
16	Tue			cloudy	4.402	5.633	21	7.6	310	14	309	296	0.6	200	120	1,670	5	0.231	15	18.73	2.73	20	6.1			7.4	261	20.00	522.75	33.00	862.54		248.0	0.03	3.134															
17	Wed			cloudy	4.035	5.665	21	7.5	310	14	214	306	1.3	300	138	2,180	10	0.221	17	20.55	3.39	20	7.3			7.4	202	9.00	218.72	13.00	315.94				0.03	2.914														
18	Thur	66	0.00	cloudy	3.986	5.692	21	7.4	303	10	203	294	0.6	360	182	1,975	10	0.229	18	37.47	6.54	22	7.4			7.4	191	5.00	119.05	10.00	238.11				0.03	2.855														
19	Fri	55	0.67	cloudy	3.909	4.840	21	7.3	265	11	226	263	1.1	350	177	1,975	9	0.218	15	17.17	2.50	21	7.1			7.5	209							0.03	2.822															
20	Sat	72	0.01	cloudy	6.144	5.601	22	7.4	255	11			0.5	300				0.220				22	7.5			7.4	167							0.03	4.157															
21	Sun	68	0.00	cloudy	5.043	5.519	20	7.5	275	6			0.3	260				0.216				20	7.5			7.4	180	4.00	118.39	25.00	739.97				0.03	3.549														
22	Mon	67	0.00	p. cloudy	4.714	5.531	21	7.4	287	8	166	211	0.1	240	87	2,770	14	0.232	16	17.96	2.79	21	7.3			7.3	181	2.00	55.64	15.00	417.33				0.03	3.336														
23	Tue	74	0.00	clear	4.360	4.337	21	7.5	303	13	222	288	0.2	240	105	2,280	9	0.203	16	19.30	3.00	21	7.5			7.5	200	2.00	52.18	16.00	417.40		7.0	0.03	3.128															
24	Wed	64	0.08	cloudy	4.124	4.281	21	7.5	300	14	234	291	0.2	300	131	2,290	9	0.204	16	21.43	3.33	21	7.3			7.3	181	2.00	49.71	14.00	347.94			0.03	2.980	PARTIAL WEEKLY AVG NO.'s														
25	Thur	53	0.20	cloudy	4.111	4.190	21	7.5	284	13	256	273	0.3	330	197	1,675	6	0.237	16	38.47	5.97	21	7.3			7.3	173	2.00	49.54	15.00	371.55			0.03	2.970	Date	Week No.	TSS	BOD											
26	Fri	63	0.00	cloudy	4.457	4.018	20	7.2	242	9	216	265	1.3	360	171	2,110	9	0.204	16	18.59	2.89	20	7.4			7.2	162							0.03	3.173	30-Sep	1		2.00	9.00										
27	Sat	78	0.01	clear	4.168	4.324	21	7.5	290	10			1.4	500				0.231				20	7.3			7.5	150							0.03	3.022	1-Nov	5		2.00	9.00										
28	Sun	73	0.00	clear	4.057	4.080	21	7.3	241	15			0.1	350				0.215				21	7.4			7.4	148	2.00	49.01	12.00	294.04			0.03	2.938															
29	Mon	79	0.00	clear	4.205	3.540	21	7.5	292	13	212	272	0.1																																					