



MONTHLY OPERATIONAL REPORT

City of Broken Arrow Lynn Lane Wastewater Treatment Facility

September-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. 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.	Hrds.						
1	Sat	93	0.00	clear	3.661	3.253	23	7.4	275	20			0.0	270				0.219			0.00	26	6.5			7.5	166		0.00		0.00				0.03	2.596																	
2	Sun	91	0.00	clear	3.522	3.054	23	7.5	285	20			0.1	300				0.209			0.00	26	6.6			7.5	145	3.00	64.43	7.00	150.33				0.03	2.575																	
3	Mon	89	0.00	clear	3.565	2.769	24	7.5	263	19	238	265	0.1	270			0	0.180			0.00	23	6.7			7.6	138	2.00	42.08	5.00	105.21				0.03	2.523																	
4	Tue	86	0.00	cloudy	4.025	2.664	24	7.5	340	19	300	351	0.1	250	100	2,510	8	0.177	19	42.75	7.88	25	7.0			7.5	174	2.00	47.12	8.00	188.48			19.0	0.03	2.825																	
5	Wed	89	0.36	cloudy	3.901	2.776	24	7.5	410	20	278	359	0.1	250	114	2,190	8	0.179	18	36.26	6.33	25	6.9	450	10,456	7.6	216	3.00	69.71	8.00	185.88	0.00005	0.0012	1.0	0.03	2.786																	
6	Thur	86	0.06	cloudy	3.699	2.873	24	7.6	423	20	338	414	0.1	250	84	2,970	10	0.201	19	18.73	3.45	25	6.9			7.6	235	5.00	110.17	15.00	330.51				0.03	2.642																	
7	Fri	84	0.00	cloudy	4.814	2.690	24	7.4	260	15	620	421	0.0	280	91	3,070	4	0.195	19	18.81	3.47	25	7.0			7.5	188		0.00		0.00				0.03	3.341																	
8	Sat	72	0.02	cloudy	3.702	3.197	24	7.4	290	16			0.1	360				0.227			0.00	24	6.6			7.6	166		0.00		0.00				0.03	2.670																	
9	Sun	70	0.00	cloudy	3.722	2.827	24	7.5	291	18			0.0	320				0.214			0.00	25	6.7			7.5	169	3.00	66.63	5.00	111.05				0.03	2.663																	
10	Mon	81	0.00	cloudy	3.957	2.779	24	7.6	354	20	188	222	0.2	370	144	2,570	14	0.200	35		0.00	21	7.1			7.3	175	3.00	69.33	8.00	184.88				0.03	2.771																	
11	Tue	83	0.00	clear	3.758	3.303	24	7.4	268	15	346	377	0.2	470	171	2,750	8	0.220	22	43.70	9.33	24	7.0			7.4	205	3.00	67.05	7.00	156.46			2.0	0.03	2.680																	
12	Wed	83	0.00	cloudy	3.730	3.050	24	7.5	354	18	298	312	0.2	550	188	2,920	11	0.133	21	38.93	7.93	24	6.9			7.5	201	3.00	66.18	6.00	132.36			1.0	0.03	2.645																	
13	Thur	88	0.00	clear	3.663	3.316	25	7.5	369	18	142	169	0.2	480	173	2,770	21	0.227	18	19.06	3.33	24	7.0			7.5	211	3.00	64.80	7.00	151.20				0.03	2.590																	
14	Fri	93	0.00	clear	3.716	3.432	24	7.3	244	18	328	345	0.2	340	132	2,579	8	0.232	18	20.84	3.64	24	6.8			7.5	202		0.00		0.00				0.03	2.632																	
15	Sat	94	0.00	clear	3.495	3.319	24	7.4	274	15			0.2	300				0.240			0.00	25	6.6			7.4	181		0.00		0.00				0.03	2.496																	
16	Sun	94	0.00	clear	3.656	3.311	24	7.5	281	15			0.2	440				0.233			0.00	24	6.7			7.4	187	3.00	65.88	11.00	241.55				0.03	2.633																	
17	Mon	95	0.00	p. cloudy	3.803	3.207	24	7.5	258	15	337	299	0.0	400	156	2,560	8	0.147	16		0.00	24	6.8			7.4	167	4.00	90.91	9.00	204.54				0.03	2.725																	
18	Tue	95	0.00	clear	3.578	2.818	24	7.4	262	15	331	360	0.0	500	195	2,560	9	0.123	18	37.33	6.52	24	6.9			7.4	183	7.00	151.96	14.00	303.93			5.0	0.03	2.603																	
19	Wed	96	0.00	clear	3.670	3.171	24	7.4	252	16	334	373	0.1	530	201	2,640	9	0.218	18	18.68	3.26	24	6.9			7.5	207	5.00	108.38	15.00	325.13			5.0	0.03	2.599																	
20	Thur	94	0.00	p. cloudy	3.591	3.152	24	7.4	242	18	351	369	0.1	440	179	2,460	8	0.237	18	33.78	5.90	25	6.8			7.5	201	3.00	64.20	11.00	235.40				0.03	2.566																	
21	Fri	80	4.20	cloudy	3.574	3.375	24	7.4	257	17	278	330	0.1	450	170	2,650	11	0.222	18	31.39	5.48	24	6.8			7.5	185		0.00		0.00				0.03	2.573																	
22	Sat	73	0.06	cloudy	6.466	5.010	23	7.4	223	11			1.8	280				0.231			0.00	23	7.3			7.2	90		0.00		0.00				0.03	4.474																	
23	Sun	76	0.00	cloudy	4.736	5.207	23	7.4	276	9			1.4	200				0.219			0.00	23	7.2			7.3	126	63.00	1777.50	29.00	818.21				0.03	3.383																	
24	Mon	81	0.00	cloudy	3.998	3.737	24	7.6	323	13	192	220	0.2	200	93	2,160	11	0.212			0.00	23	5.9			7.2	151	7.00	166.09	12.00	284.73				0.03	2.845	PARTIAL WEEKLY AVG.NO.'s																
25	Tue	90	0.00	p. cloudy	4.012	3.541	23	7.4	260	13	278	310	0.1	250	120	2,090	7	0.241	15	36.02	5.24	24	7.0			7.3	166	2.00	49.11	6.00	147.32			1.0	0.03	2.944	Date	Week No.	TSS	BOD													
26	Wed	66	0.00	cloudy	3.932	3.442	23	7.6	307	17	218	270	0.0	300	122	2,460	11	0.138	18	70.36	12.29	23	7.1			7.5	183	2.00	46.44	7.00	162.53			8.0	0.03	2.784																	
27	Thur	77	0.00	clear	3.758	3.515	23	7.7	328	17	332	322	0.1	280	124	2,250	7	0.246	18	38.40	6.71	22	7.4			7.5	181	3.00	68.68	8.00	183.15				0.03	2.745																	
28	Fri	78	0.00	cloudy	3.643	4.005	23	7.7	359	15	238	337	0.2	270	134	2,020	9	0.225	19	33.80	6.23	23	7.2			7.4	179		0.00		0.00				0.03	2.652																	
29	Sat	77	0.01	cloudy	3.537	3.217	23	7.5	290	17			0.6	240				0.237			0.00	24	6.6			7.5	140		0.00		0.00				0.03	2.568																	
30	Sun	79	0.00	cloudy	3.683	1.991	23	7.4	282	18			0.7	250				0.227			0.00	24	6.9			7.5	144	2.00	44.12	9.00	198.53				0.03	2.645																	
31																					0.00								0.00		0.00																						
TOTAL :			4.71		116.567															538.84	96.99													3.1		83.174	TSS	3.00	3.00	4.40	15.40												
MIN :		66	0.00		3.495	1.991	23	7.3	223	9	142	169	0.0	150	84	2,020	0	0.123	15			21	5.9			7.2	90	2.00		5.00				1.0	0.03	2.496	BOD	8.60	6.60	12.00	12.40												
MAX :		96	4.20		6.466	5.207	25	7.7	423	77	620	421	1.8	200	201	3,070	21	0.246	35	70.36	12.29	26	7.4	450		7.6	235	15.40		12.40			0.05000		19.0	0.03	4.474																
AVG :		84			3.886	3.267	24			17	298	321		193	142																																						