



MONTHLY OPERATIONAL REPORT

City of Broken Arrow Lynn Lane Wastewater Treatment Facility

April-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. Settl.	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	Sun	50	0.05	cloudy	5.824	5.331	17	7.5	266	11			0.4	160				0.165					17	8.4	520	26,732	7.3	142	3.00	154.22	8.00	411.26	0.00005	0.0026		0.03	6.164													
2	Mon	55	0.00	cloudy	5.520	5.348	16	7.4	295	15	210	284	0.5	170	82	2,080	7	0.172	14	22.00	2.99		15	8.2				151	3.00	143.26	8.00	382.04				0.03	5.726													
3	Tue	72	0.00	cloudy	5.401	3.984	18	7.3	181	14	266	298	0.3	180	75	2,390	7	0.193	15	39.79	5.79		19	7.7			7.3	181	3.00	140.89	7.00	328.74			2.0	0.03	5.631													
4	Wed	55	0.00	cloudy	4.825	3.963	16	7.3	305	14	206	320	0.4	190	75	2,550	10	0.206	15	39.91	5.81		16	8.2			7.3	182	4.00	100.78	9.00	226.76				0.03	3.021													
5	Thur	62	0.00	cloudy	4.748	3.951	16	7.5	297	12	210	299	0.4	190	77	2,470	10	0.190	16	21.67	3.36		16	8.3			7.3	175	4.00	110.45	8.00	220.91				0.03	3.311													
6	Fri	55	0.50	cloudy	5.179	3.828	16	7.6	298	12	210	358	0.3	190	82	2,320	9	0.185	15	43.54	6.34		17	8.6			7.4	182							0.03	3.630														
7	Sat	47	0.00	cloudy	4.688	3.789	16	7.5	256	12			1.5	200				0.199					16	7.4			7.4	160							0.03	3.301														
8	Sun	51	0.00	cloudy	4.226	3.874	16	7.5	267	12			1.2	180				0.187					15	8.4			7.1	132	4.00	99.71	8.00	199.43				0.03	2.989													
9	Mon	66	0.00	clear	4.683	3.491	17	7.4	299	15	204	290	0.2	220	85	2,590	11	0.185	16	42.90	6.66		17	7.9			7.3	169	2.00	54.78	7.00	191.72				0.03	3.284													
10	Tue	66	0.00	clear	5.081	3.580	17	7.5	288	12	296	284	0.8	200	95	2,110	6	0.186	16	22.64	3.51		17	8.2			7.4	198	4.00	118.66	10.00	296.65			2.0	0.03	3.557													
11	Wed	80	0.00	clear	4.608	3.568	18	7.3	258	15	274	317	0.3	230	84	2,730	9	0.186	16	23.72	3.68		18	7.9			7.4	204	3.00	81.79	7.00	190.84				0.03	3.269													
12	Thur	81	0.00	clear	4.259	3.626	18	7.3	264	15	274	285	0.3	250	89	2,800	10	0.171					19	7.8			7.4	180	3.00	75.44	7.00	176.02				0.03	3.015													
13	Fri	79	0.32	cloudy	4.248	3.694	19	7.4	257	15	312	310	0.4	240	86	2,780	8	0.171					20	7.6			7.4	185							0.03	2.971														
14	Sat	59	0.00	cloudy	4.004	3.827	17	7.4	260	16			0.9	270				0.180					17	7.8			7.3	148							0.03	2.892														
15	Sun	53	0.00	clear	4.122	3.681	15	7.5	274	17			0.3	260				0.177					15	8.4			7.2	130	2.00	48.62	6.00	145.87				0.03	2.915													
16	Mon	64	0.00	clear	4.413	3.468	17	7.4	246	25	200	246	0.2	250	96	2,600	12	0.173					17	8.3			7.3	167	1.00	25.56	7.00	178.93				0.03	3.065													
17	Tue	84	0.00	clear	4.080	2.757	18	7.2	231	15	352	299	0.2	240	91	2,650	7	0.211					18	8.0			7.3	157	2.00	45.99	4.00	91.97			1.0	0.03	2.757													
18	Wed	73	0.00	clear	4.062	3.398	18	7.3	288	16	332	332	0.3	250	91	2,750	8	0.193	16	40.04	6.22		19	7.8			7.5	186	4.00	91.47	8.00	182.95				0.03	2.742													
19	Thur	62	0.00	clear	3.857	3.865	18	7.4	310	25	324	422	0.2	200	80	2,510	8	0.182	16	40.71	6.32		18	8.0			7.4	215	2.00	44.95	10.00	224.76				0.03	2.695													
20	Fri	67	0.00	clear	3.848	3.750	18	7.4	297	18	480	425	0.2	280				0.180	16	35.29	5.48		17	8.0			7.5	206							0.03	2.618														
21	Sat	57	0.89	cloudy	3.604	3.888	19	7.2	260	15			0.3	280				0.197					19	8.0			7.4	159							0.03	2.601														
22	Sun	54	0.09	cloudy	5.178	3.668	19	7.1	220	14			0.3	230				0.186					19	8.0			7.3	170	2.00	59.15	9.00	266.16				0.03	3.546													
23	Mon	74	0.00	p. cloudy	5.332	3.643	18	7.2	282	13	234	237	0.4	250	94	2,655	9	0.198	15	20.49	2.98		19	7.9			7.2	172	2.00	60.48	7.00	211.69				0.03	3.626	PARTIAL WEEKLY AVG.NO.'s												
24	Tue	80	0.00	clear	5.313	3.756	19	7.4	290	14	210	303	0.4	230	82	2,800	10	0.267	15	39.55	5.76		19	7.9			7.5	201	2.00	61.23	6.00	183.70			4.0	0.03	3.671	Date	Week No.	TSS	BOD									
25	Wed	62	0.51	cloudy	4.567	3.779	19	7.4	304	14	262	314	0.2	250	95	2,630	9	0.202	15	37.95	5.52		19	7.8			7.5	211	2.00	52.18	7.00	182.61				0.03	3.128													
26	Thur	66	0.00	cloudy	5.095	3.678	19	7.4	295	13	336	316	0.2	250	89	2,800	7	0.177	16	37.46	5.81		19	7.8			7.4	190	2.00	58.71	7.00	205.50				0.03	3.520													
27	Fri	74	0.00	clear	4.579	3.525	18	7.4	252	13	402	296	0.3	260	101	2,580	6	0.166	16	20.27	3.15		19	7.9			7.4	191							0.03	3.196														
28	Sat	80	0.00	clear	4.333	3.551	19	7.3	263	12			0.7	200				0.197					19	8.0			7.3	161							0.03	3.033														
29	Sun																																																	