



MONTHLY OPERATIONAL REPORT
City of Broken Arrow Lynn Lane Wastewater Treatment Facility
March-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	Fri	37	0.00	cloudy	4.505	4.206	14	7.5	269	21	284	331	0.3	450	176	2,560	8	0.219	15	45.35	6.60	14	7.9			7.7	217								0.03	2.971															
2	sat	37	0.00	cloudy	4.393	4.213	15	7.6	286	15			0.6	520				0.206				14	8.0			7.5	212								0.03	2.847															
3	Sun	34	0.00	cloudy	4.453	4.260	16	7.5	280	12			0.5	490				0.210				16	8.5	560	13,549	7.4	182	7.00	169.36	26.00	629.05	0.00005	0.0012		0.03	2.901															
4	Mon	25	0.00	p. cloudy	4.680	4.153	13	7.4	270	22	366	353	0.8	400	161	2,486	6	0.208	14			12	8.5			7.3	180	15.00	384.81	22.00	564.38				0.03	3.076															
5	Tue	41	0.00	clear	4.597	4.020	14	7.4	242	18	276	359	0.4	460	207	2,225	7	0.214	15	43.83	6.38	12	8.4			7.4	191	5.00	124.89	14.00	349.70			1.0	0.03	2.995															
6	Wed	51	0.00	p. cloudy	4.409	4.045	12	7.5	270	20	248	289	0.8	550	212	2,600	10	0.207	15	44.67	6.50	13	8.5			7.3	195	5.00	120.47	17.00	409.60				0.03	2.889															
7	Thur	56	0.00	cloudy	4.500	4.036	14	7.5	282	19	250	346	0.7	510	172	2,967	11	0.211	14	44.86	6.09	14	8.2			7.5	187	6.00	149.12	19.00	472.21				0.03	2.980															
8	Fri	57	0.01	cloudy	4.433	4.398	15	7.6	280	19	226	352	0.3	420	177	2,370	9	0.204	14	44.69	6.07	15	8.2			7.2	181								0.03	2.924															
9	Sat	45	0.09	cloudy	4.349	4.546	16	7.4	291	19			0.3	380				0.216				16	7.7			7.4	189								0.03	2.813															
10	Sun	46	0.00	p. cloudy	5.173	4.592	15	7.5	293	7			0.5	450				0.204				14	8.2			7.4	177	6.00	172.29	24.00	689.15				0.03	3.443															
11	Mon	40	0.07	cloudy	4.847	4.175	14	7.5	269	5	164	270	0.4	400	161	2,480	12	0.218	13	22.14	2.79	15	8.1			7.4	191	6.00	161.38	18.00	484.14				0.03	3.225															
12	Tue	58	0.17	cloudy	4.830	4.209	16	7.5	275	8	174	316	0.2	440	175	2,510	12	0.220	14	42.53	5.78	16	7.8			7.4	207	5.00	133.73	18.00	481.43			34.0	0.03	3.207															
13	Wed	67	0.50	cloudy	5.338	4.183	16	7.5	274	18	382	257	0.2	370	126	2,925	6	0.215	13	41.16	5.19	16	7.7			7.5	216	47.00	1392.31	42.00	1244.19				0.03	3.552															
14	Thur	63	0.00	cloudy	6.372	4.912	16	7.5	283	11	240	274	0.3	330	135	2,443	6	0.212	14	19.62	2.66	15	7.8			7.4	180	6.00	210.17	16.00	560.45				0.03	4.200															
15	Fri	55	0.00	clear	5.481	5.148	15	7.5	268	18	232	402	0.3	420	170	2,467	8	0.201	14	43.99	5.98	14	8.3			7.6	216								0.03	3.639															
16	Sat	62	0.00	clear	4.915	3.758	16	7.5	276	15			0.5	550				0.225				15	8.0			7.4	196								0.03	3.254															
17	Sun	69	0.00	clear	4.864	3.626	16	7.5	285	16			0.4	410				0.219				16	7.6			7.3	182	6.00	161.08	19.00	510.08				0.03	3.219															
18	Mon	69	0.00	clear	4.794	3.613	17	7.4	285	15	216	222	0.4	400	170	2,350	9	0.211	13	45.73	5.77	17	8.4			7.4	185	5.00	132.06	18.00	475.43				0.03	3.167															
19	Tue	71	0.00	p. cloudy	4.589	3.761	16	7.4	271	18	270	237	1.2	360	129	2,800	9	0.213	13	22.33	2.82	15	8.3			7.4	168	3.00	75.96	14.00	354.48			24.0	0.03	3.036															
20	Wed	61	0.09	cloudy	4.403	3.623	16	7.5	293	15	282	270	0.6	330	129	2,550	8	0.220	14	20.92	2.84	15	8.0			7.4	181	3.00	72.13	12.00	288.53				0.03	2.883															
21	Thur	67	0.00	clear	4.511	3.704	15	7.5	312	18	268	288	0.7	390	157	2,479	8	0.210	14	40.74	5.53	15	8.2			7.4	184	3.00	73.31	15.00	366.54				0.03	2.930															
22	Fri	72	0.00	clear	4.469	3.767	15	7.5	288	20	230	313	0.8	360	161	2,236	9	0.205	12	46.33	5.39	16	8.1			7.4	181								0.03	2.901															
23	Sat	56	1.74	cloudy	4.350	3.669	17	7.5	298	19			1.9	350				0.209				16	8.2			7.4	174								0.03	2.821															
24	Sun	68	0.00	cloudy	6.018	4.467	16	7.4	195	18			1.8	250				0.223				17	7.7			7.3	150	8.00	263.81	11.00	362.74				0.03	3.954	PARTIAL WEEKLY AVG.NO.'s														
25	Mon	59	0.00	clear	6.636	4.772	16	7.5	272	13	192	199	0.3	270	104	2,584	8	0.218	14	44.53	6.05	16	7.9			7.3	158	4.00	144.25	11.00	396.68				0.03	4.324	Date	Week No.	TSS	BOD											
26	Tue	69	0.00	clear	5.690	4.048	15	7.5	287	14	174	248	0.4	260	121	2,143	9	0.187	14	43.20	5.87	16	8.2			7.4	168	5.00	157.08	6.00	188.50			13.0	0.03	3.767															
27	Wed	72	0.00	cloudy	5.306	4.170	16	7.5	298	15	218	203	0.4	290	132	2,200	8	0.195	13	44.80	5.65	16	8.2			7.4	169	3.00	87.39	5.00	145.66				0.03	3.493															
28	Thur	75	0.00	cloudy	5.055	4.105	16	7.5	300	14	262	222	0.2	260	106	2,450	7	0.213	15	18.94	2.76	17	8.6			7.4	170	2.00	55.51	6.00	166.53				0.03	3.328															
29	Fri	70	0.23	cloudy	4.917	3.248	17	7.5	316	15	230	245	0.2	280	126	2,229	8	0.223	15	21.53	3.13	17	8.9			7.3	160								0.03	3.248															
30	Sat	63	0.43	cloudy	5.712	4.172	16	7.4	241	21			1.0	330				0.219				17	7.7			7.3	155								0.03	3.830															
31	Sun	52	0.00	clear	6.719	4.013	15	7.4	264	13			2.7	270				0.210				15	8.7			7.2	135	4.00	144.95	11.00	398.61				0.03	4.345															
TOTAL :			3.33		155.308															741.89	99.85													10.1		102.162	TSS	7.60	14.00	4.00	4.40										
MIN :		25	0.00		4.349	3.248	12	7.4	195	5	164	199	0.2	150	104	2,143	6	0.187	12	34.00		12	7.6			7.2	135	2.00		5.00				1.0	0.03	2.813	BOD	19.60	23.60	15.60	7.80										
MAX :		75	1.74		6.719	5.148	17	7.6	316	77	382	402	2.7	200	212	2,967	12	0.225	15	46.33	6.60	17	8.9	560		7.7	217	14.00		23.60		0.05000		34.0	0.03	4.345															
AVG :		57			5.																																														