



MONTHLY OPERATIONAL REPORT
City of Broken Arrow Lynn Lane Wastewater Treatment Facility
April-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.	Hrds.		
1	Mon	58	0.00	cloudy	6.185	2.496	16	7.6	295	15	176	243	0.4	230	118	1,950	7	0.202	14	21.12	2.87	15	8.0			7.4	168	3.00	85.03	9.00	255.08				0.05	3.398													
2	Tue	72	0.00	clear	5.595	4.062	16	7.5	278	15	206	180	0.5	270	109	2,488	9	0.209	15	59.71	8.69	15	8.4	581	17,914	7.4	163	2.00	61.67	9.00	277.50	0.00005	0.0015	34.0	0.05	3.697													
3	Wed	72	0.08	p. cloudy	5.241	4.019	17	7.6	317	16	196	266	0.3	270	142	1,900	7	0.216	15	38.44	5.59	16	8.1			7.4	170	2.00	57.58	11.00	316.69				0.05	3.452													
4	Thur	69	0.62	cloudy	5.098	4.032	16	6.9	243	24	260	329	0.2	240	118	2,035	6	0.205	15	40.68	5.92	17	7.8			7.4	162	5.00	141.95	16.00	454.23				0.05	3.404													
5	Fri	75	0.00	cloudy	6.052	5.001	16	7.5	299	20	342	276	0.3	270	146	1,850	4	0.205	15	39.06	5.68	17	8.0			7.3	154							0.05	4.006														
6	sat	72	0.01	p. cloudy	5.291	5.190	17	7.5	291	13			1.3	290				0.204				17	8.1			7.4	183							0.05	3.555														
7	Sun	79	0.00	cloudy	5.309	5.106	17	7.5	286	13			1.3	300				0.207				18	7.9			7.3	179	4.00	118.76	16.00	475.05				0.05	3.560													
8	Mon	82	0.00	p. cloudy	5.330	5.125	17	7.5	308	13	194	267	0.2	320	138	2,325	9	0.188	15	18.96	2.76	18	7.5			7.4	188	4.00	119.16	16.00	476.65				0.05	3.572													
9	Tue	88	0.00	clear	5.120	3.843	17	7.5	308	15	186	348	0.2	400	195	2,050	9	0.193	15	35.52	5.17	18	7.9			7.3	199	4.00	117.79	15.00	441.73		22.0	0.05	3.531														
10	Wed	87	0.00	clear	4.894	3.868	18	7.5	302	15	182	260	0.2	360	137	2,620	12	0.197	15	40.88	5.95	19	7.6			7.5	197	3.00	81.72	14.00	381.34				0.05	3.266													
11	Thur	77	0.00	p. cloudy	4.779	3.894	17	7.6	313	15	168	305	0.2	360	157	2,293	11	0.193	15	37.32	5.43	17	7.8			7.5	192	3.00	79.54	15.00	397.69				0.05	3.179													
12	Fri	62	0.00	p. cloudy	4.590	3.986	16	7.6	327	16	326	312	0.2	430	270	1,590	4	0.199	14	38.85	5.28	16	7.9			7.5	209							0.05	3.041														
13	Sat	53	1.70	cloudy	4.537	3.855	17	7.5	301	10			0.9	590				0.195	14	20.80	2.83	17	8.0			7.3	204							0.05	2.971														
14	Sun	64	0.27	p. cloudy	6.283	5.302	16	7.4	158	14			4.2	240				0.184				16	7.9			7.3	143	13.00	433.25	20.00	666.53				0.05	3.996													
15	Mon	80	0.00	clear	6.927	5.484	17	7.5	282	7	148	198	0.3	290	130	2,225	9	0.181	14	19.85	2.70	16	7.6			7.4	158	3.00	109.59	13.00	474.88				0.05	4.380													
16	Tue	76	0.00	clear	6.261	4.998	17	7.5	293	10	132	215	0.2	290	139	2,090	10	0.196	15	17.64	2.57	18	7.9			7.4	185	3.00	101.33	12.00	405.32		48.0	0.05	4.050														
17	Wed	75	0.01	cloudy	5.636	3.277	18	7.5	297	8	140	239	0.1	370	141	2,617	13	0.203	14	36.70	4.98	19	7.8			7.4	189	2.00	61.73	12.00	370.40				0.05	3.701													
18	Thur	68	0.01	cloudy	5.338	4.380	17	7.6	305	12	146	228	0.2	340	152	2,230	11	0.205	15	74.63	10.86	18	8.0			7.5	187	2.00	58.50	11.00	321.73				0.05	3.507													
19	Fri	66	0.00	clear	5.013	3.442	18	7.6	299	15	238	316	0.3	350				0.205				18	8.4			7.4	190							0.05	3.318														
20	sat	79	0.00	clear	4.765	3.313	18	7.6	306	17			0.4	380				0.205				18	8.3			7.4	194							0.05	3.156														
21	sun	84	0.00	clear	4.784	3.370	18	7.6	304	18			0.2	370				0.204				19	8.0			7.4	177	2.00	52.44	10.00	262.21				0.05	3.144													
22	mon	74	0.00	cloudy	4.861	3.300	18	7.5	307	12	138	218	0.2	380	185	2,059	12	0.207	14	19.93	2.71	19	7.6			7.4	186	2.00	53.71	10.00	268.55				0.05	3.220													
23	Tue	69	0.03	cloudy	4.664	3.414	18	7.6	314	18	276	240	0.2	350	188	1,857	6	0.205	15	15.96	2.32	19	7.6			7.5	188	2.00	50.79	10.00	253.95			1.0	0.05	3.045													
24	Wed	64	0.04	cloudy	4.486	3.377	18	7.6	312	18	268	283	0.2	370	164	2,250	7	0.205	15	37.50	5.46	19	7.7			7.5	198	2.00	49.17	10.00	245.86			0.05	2.948	PARTIAL WEEKLY AVG.NO.'s													
25	Thur	80	0.01	p. cloudy	4.542	2.985	18	7.5	324	17	208	252	0.2	370	176	2,100	9	0.204	15	37.98	5.53	19	7.8			7.5	191	2.00	49.79	10.00	248.95			0.05	2.985	Date	Week No.	TSS	BOD										
26	Fri	79	0.00	clear	4.632	0.000	18	7.5	320	15	170	245						0.213	15	40.55	5.90	18			7.5	200							0.05	2.736	3/31	1	4.00	11.00											
27	Sat	84	0.00	cloudy	4.110	3.056	18	7.4	290	18			0.7	210				0.000				18	7.9			7.5	219							0.05	2.227	5/1	5	2.00	9.00										
28	Sun	79	0.00	clear	4.382	2.931	17	7.5	292	19			0.7	190				0.201				17	8.0			7.4	188	3.00	74.03	14.00	345.49			0.05	2.959	5/2	5	2.00	13.00										
29	Mon	75	0.00	p. cloudy	4.554	3.014	19	7.6	327	20	222	268	0.3	210	143	1,472	6	0.209	1																														