



MONTHLY OPERATIONAL REPORT

City of Broken Arrow Lynn Lane Wastewater Treatment Facility

March-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	Thur	61	0.00	cloudy	5.452	2.910	16	7.4	279	12	160	274	1.0	150	78	1,930	9	0.199	15	61.06	8.89	17	8.3	558	27,210	7.3	142	2.00	97.53	4.00	195.06	0.00005	0.0024		0.03	5.847													
2	Fri	65	0.00	clear	4.741	2.726	16	7.2	277	15	194	295	1.4	150	69	2,180	9	0.201	14	41.53	5.64	15	8.6			7.0	132								0.03	4.970													
3	Sat	70	0.00	clear	4.440	2.468	16	7.2	270	15			1.1	150				0.203				16	8.6			7.1	124								0.03	4.638													
4	Sun	56	0.00	cloudy	4.633	2.606	16	7.3	265	15			0.8	130				0.217				17	8.2			7.1	132	2.00	81.15	6.00	243.44				0.03	4.865													
5	Mon	65	0.00	clear	4.852	2.599	19	7.3	282	15	186	271	0.6	180	99	1,820	8	0.210	16	24.48	3.80	19	7.8			7.2	149	2.00	85.77	5.00	214.42				0.03	5.142													
6	Tue	59	0.00	clear	4.541	3.118	18	7.9	285	14	272	304	0.4	160	82	1,940	6	0.213	16	44.11	6.85	17	8.1			7.8	170	3.00	118.29	5.00	197.16			6.0	0.03	4.728													
7	Wed	53	0.00	clear	4.345	3.027	17	7.4	290	14	334	320	0.6	180	80	2,250	6	0.203	16	48.61	7.55	16	8.5			7.3	149	2.00	75.66	4.00	151.32				0.03	4.536													
8	Thur	60	0.00	cloudy	4.239	2.863	17	7.3	273	15	238	293	0.8	220	92	2,390	9	0.198	15	20.54	2.99	17	8.5			7.3	146	2.00	71.34	5.00	178.35				0.03	4.277													
9	Fri	71	0.00	clear	4.232	2.832	18	7.4	261	15	230	342	1.0	200	96	2,080	9	0.208	15	23.17	3.37	18	8.1			7.2	148								0.03	4.356													
10	Sat	74	0.00	cloudy	4.102	2.861	18	7.5	289	15			1.5	200				0.201				18	8.9			7.4	140								0.03	4.238													
11	Sun	57	0.00	clear	4.159	2.845	18	7.3	240	15			0.7	200				0.193				17	8.2			7.3	145	2.00	71.89	6.00	215.67				0.03	4.310													
12	Mon	52	0.00	clear	4.260	2.736	17	7.3	294	14	194	294	0.3	200	94	2,130	10	0.186				17	8.4			7.3	134	2.00	74.46	6.00	223.38				0.03	4.464													
13	Tue	59	0.00	clear	3.983	2.980	17	7.3	285	16	200	329	0.5	210	107	1,960	10	0.219	16	65.07	10.10	17	8.5			7.3	143	2.00	67.30	8.00	269.22			19.0	0.03	4.035													
14	Wed	66	0.00	clear	4.174	2.970	17	7.3	280	15	246	435	0.6	200	96	2,080	8	0.208	16	42.09	6.53	17	8.6			7.3	154	2.00	70.77	7.00	247.71				0.03	4.243													
15	Thur	75	0.00	clear	4.208	2.978	17	7.4	293	16	258	345	0.3	180	81	2,230	8	0.202	16	41.76	6.48	17	8.1			7.4	158	2.00	71.76	7.00	251.15				0.03	4.302													
16	Fri	78	0.00	clear	4.047	2.851	18	7.4	260	17	246	355	0.4	200	87	2,290	9	0.197				19	7.8			7.3	158								0.03	4.158													
17	Sat	61	0.00	clear	3.892	2.814	17	7.3	260	17			1.1	220				0.194				17	7.8			7.3	135								0.03	4.043													
18	Sun	69	0.14	clear	3.893	2.723	18	7.4	264	18			1.2	220				0.202				15	7.7			7.3	140	3.00	100.66	6.00	201.31				0.03	4.023													
19	Mon	58	0.03	clear	4.084	2.730	18	7.3	310	17	250	334	0.4	190	104	1,820	7	0.205	17	19.63	3.24	18	7.9			7.3	160	2.00	70.17	7.00	245.60				0.03	4.207													
20	Tue	57	0.00	clear	3.950	2.665	18	7.3	293	14	190	408	0.6	170	91	1,870	10	0.196	17	43.29	7.14	17	8.3			7.3	179	2.00	67.99	7.00	237.96			2.0	0.03	4.076													
21	Wed	62	0.00	clear	3.767	2.461	18	7.4	275	15	218	325	0.7	200	89	2,250	11	0.204	17	41.58	6.86	17	8.3			7.4	187	3.00	94.93	7.00	221.49				0.03	3.794													
22	Thur	75	0.00	clear	3.727	3.162	18	7.3	304	15	216	348	0.6	180	100	1,800	9	0.204	14	35.28	4.79	18	8.3			7.4	178	4.00	132.07	10.00	330.18				0.03	3.959													
23	Fri	70	0.00	cloudy	3.709	2.889	18	7.3	275	15	360	453	0.7	190	84	2,250	7	0.204	14	21.53	2.92	18	7.8			7.5	192								0.03	4.080													
24	Sat	76	0.00	clear	3.742	2.785	17	7.5	280	17			0.8	170				0.201				19	8.0			7.4	197								0.03	4.044													
25	Sun	59	0.15	cloudy	3.738	2.583	17	7.5	277	20			0.6	140				0.189				16	8.0			7.4	175	4.00	135.91	10.00	339.77				0.03	4.074	Date	Week No.	TSS	BOD									
26	Mon	68	0.68	cloudy	4.263	2.426	18	7.5	265	13	180	406	0.6	180	81	2,210	12	0.191				18	7.7			7.4	186	2.00	75.78	8.00	303.11				0.03	4.543													
27	Tue	60	1.51	cloudy	5.426	2.909	18	7.1	140	15	188	423	0.7	120	62	1,940	8	0.206				18	6.8			7.3	178	4.00	182.05	8.00	364.09			2419.0	0.03	5.457													
28	Wed	55	0.01	cloudy	7.770	5.121	18	7.4	268	5	228	208	0.6	100	54	1,840	4	0.165				18	8.1			7.2	130	5.00	280.81	8.00	449.29				0.03	6.734													
29	Thur	57	0.49	cloudy	7.081																																												