



MONTHLY OPERATIONAL REPORT
City of Broken Arrow Lynn Lane Wastewater Treatment Facility
May-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. 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. Coll. Upstr.	Fec. Coll. Dnstr.	Hrdss.
1	Wed	78	0.19	cloudy	6.082	4.772	18	7.3	187	5	352	190	0.7	190	78	2,450	5	0.202	15	39.12	5.69	19	7.4			7.2	120	2.00	65.79	9.00	296.04			1986.0	0.05	3.944											
2	Thur	70	0.00	cloudy	4.179	4.638	18	7.5	277	8	245	306	0.5	200	47	4,260	17	0.205	15	37.64	5.48	19	8.3			7.4	167	2.00	69.71	13.00	453.09				0.05	4.179											
3	Fri	69	0.69	cloudy	3.614	3.670	19	7.6	380	12	250	260	0.6	200				0.185	15	36.19	5.27	20	8.3			7.5	194							0.05	3.614												
4	Sat	71	0.01	cloudy	4.353	3.966	19	7.5	230	11			3.3	200				0.198				20	8.2			7.3	147							0.05	4.353												
5	Sun	77	0.00	p. cloudy	6.270	4.061	19	7.5	264	11			2.2	150				0.209				20	8.1	478	17,262	7.4	159	2.00	72.22	6.00	216.67	0.00005	0.0018		0.05	4.330											
6	Mon	82	0.55	p. cloudy	6.539	3.878	19	7.5	284	12	186	106	0.2	150	64	2,350	8	0.208	14	42.56	5.78	20	7.2			7.4	181	2.00	70.64	7.00	247.24			36.0	0.05	4.235											
7	Tue	82	0.00	p. cloudy	6.618	4.022	19	7.6	318	14	222	207	0.2	200	96	2,092	6	0.205	15	44.31	6.45	20	7.4			7.4	180	2.00	70.99	6.00	212.97			17.0	0.05	4.256											
8	Wed	73	1.54	cloudy	6.233	4.095	19	7.3	211	13	284	261	0.3	160	64	2,500	6	0.190	14	43.76	5.94	19	6.9			7.3	177	3.00	102.08	8.00	272.22				0.05	4.080											
9	Thur	64	0.00	cloudy	7.972	4.781	18	7.4	241	8	262	171	1.4	190	41	4,642	9	0.146				19	7.7			7.4	148	2.00	84.70	5.00	211.75				0.05	5.078											
10	Fri	64	0.05	cloudy	6.865	4.874	17	7.4	260	8	152	203	1.0	200	72	2,770	11	0.161				17	8.1			7.4	181							0.05	4.414												
11	Sat	61	0.94	cloudy	6.644	3.896	18	7.3	232	12			0.7	210				0.161				19	7.7			7.4	190							0.05	4.289												
12	Sun	74	0.00	clear	7.509	3.534	19	7.4	240	11			1.7	200				0.150				20	7.9			7.3	164	2.00	80.15	5.00	200.37				0.05	4.805											
13	Mon	80	0.00	clear	6.765	3.491	18	7.4	287	13	186	228	0.3	250	103	2,430	8	0.145	16	19.98	3.10	18	7.7			7.4	178	3.00	108.19	6.00	216.37			12.0	0.05	4.324											
14	Tue	85	0.16	cloudy	6.628	3.682	19	7.4	289	14	252	178	0.2	250	67	3,743	9	0.175	16	18.19	2.82	19	7.5			7.4	184	4.00	141.88	4.00	141.88			8.0	0.05	4.253											
15	Wed	88	0.00	clear	6.087	3.768	19	7.5	288	7	310	244	0.2	220	71	3,090	7	0.112	16	41.12	6.38	19	7.1			7.7	175	2.00	65.62	7.00	229.67				0.05	3.934											
16	Thur	87	0.00	clear	5.991	3.766	19	7.5	289	6	118	143	0.2	270	87	3,110	18	0.123	16	35.69	5.54	20	7.6			7.5	209	2.00	65.10	8.00	260.41				0.05	3.903											
17	Fri	85	0.00	p. cloudy	5.512	3.921	19	7.5	292	16	184	257	0.2	310	97	3,190	13	0.207	17	38.49	6.35	20	7.3			7.5	222							0.05	3.747												
18	Sat	75	1.52	cloudy	5.179	3.883	19	7.4	271	16			0.1	370				0.229				20	7.4			7.4	193							0.05	3.438												
19	Sun	79	0.00	clear	7.127	3.940	18	7.3	237	15			1.6	390				0.231				19	7.5			7.2	138	2.00	77.78	9.00	350.00				0.05	4.663											
20	Mon	78	4.21	cloudy	6.873	4.009	19	7.4	290	11	208	181	0.3	280	104	2,700	8	0.226	16			19	7.4			7.4	186	43.00	1555.33	52.00	1880.87			7.0	0.05	4.337											
21	Tue	76	1.71	cloudy	8.136	5.043	19	7.2	132	8	294	239	3.0	290	124	2,343	4	0.226	16	17.44	2.71	19	7.0			7.3	123	4.00	177.38	8.00	354.75			1986.0	0.05	5.317											
22	Wed	85	0.04	cloudy	8.485	5.243	19	7.4	214	5	198	133	2.0	150	63	2,372	6	0.270	16	39.99	6.21	19	7.3			7.3	129	2.00	93.24	8.00	372.96				0.05	5.590											
23	Thur	87	0.00	cloudy	8.710	5.410	21	7.4	233	8	134	145	0.5	190	77	2,465	8	0.173	16	58.95	9.15	21	6.6			7.2	139	2.00	94.49	4.00	188.98				0.05	5.665											
24	Fri	86	0.00	cloudy	6.405	4.018	21	7.5	289	10	214	177	0.4	150	59	2,550	7	0.214	18	42.65	7.45	23	7.0			7.4	145							0.05	4.206	PARTIAL WEEKLY AVG.NO.'s											
25	Sat	85	0.79	cloudy	5.334	3.362	20	7.4	230	10			1.9	150				0.229				22	6.7			7.5	154							0.05	3.216	Date	Week No.	TSS	BOD								
26	sun	84	0.46	cloudy	5.509	4.818	20	7.4	240	8			1.3	130				0.237				21	6.6			7.3	128	4.00	120.26	6.00	180.39				0.05	3.605	4/28	1	3.00	14.00							
27	Mon	85	0.00	p. cloudy	5.148	5.001	21	7.4	262	6	534	161	3.0	140				0.228				22	7.2			7.2	129	4.00	118.73	6.00	178.09				0.05	3.559	4/29	1	2.00	11.00							
28	Tue	82	0.04	cloudy	4.923	4.281	21	7.4	270	5	556	199	2.4	120	28	4,280	6	0.230	18	38.77	6.77	22	6.8			7.3	135	6.00	174.19	9.00	261.28			6.0	0.05	3.481	4/30	1	4.00	14.00							
29	Wed	75	1.70	cloudy	4.227	5.126	21	7.6	303	10	1014	219	1.4	80	15	5,290	5	0.247	16	18.54	2.88	21	6.7			7.3	151	5.00	176.27	9.00	317.28			9.0	0.05	4.227											
30	Thur	80	0.01	p. cloudy	5.072	4.550	20	7.6	218	7	910	210	5.0	40			0	0.236	16	35.87	5.57	20	7.8			7.4	118	7.00	296.10	14.00	592.21				0.05	5.072											
31	Fri	86	0.00	p. cloudy</																																											

REMARKS : Influent totalizer using Effluent totalizer reading
High E. Coli due to heavy rain event
High Effluent BOD/TSS due to heavy rain event

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