



MONTHLY OPERATIONAL REPORT

City of Broken Arrow Lynn Lane Wastewater Treatment Facility

June-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. Settlt. (ml/gm)	SVI (mg/L)	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	Fri	93	0.00	P. cloudy	4.921	3.754	22	7.6	317	15	434	472	0.2	450	170	2,650	5	0.232	17	37.37	6.16	23	6.9			7.4	167								0.03	3.384													
2	Sat	92	0.00	clear	4.454	3.853	21	7.3	238	17			0.2	600				0.219				23	6.5			7.3	201								0.03	3.096													
3	Sun	86	0.00	clear	4.087	3.779	21	7.3	253	18			0.2	650				0.205				22	7.0	489	11,880	7.2	179	4.00	97.18	7.00	170.06	0.00005	0.0012		0.03	2.913													
4	Mon	86	0.00	P. cloudy	4.007	3.819	22	7.5	344	17	402	261	0.2	570	217	2,630	7	0.225	17			22	7.4			7.4	172	2.00	47.49	7.00	166.21				0.03	2.847													
5	Tue	89	0.00	clear	3.880	3.008	22	7.6	347	17	336	287	0.2	570	223	2,560	8	0.235	16	36.11	5.61	22	7.3			7.5	181	3.00	69.01	7.00	161.01			2.0	0.03	2.758													
6	Wed	91	0.00	P. cloudy	3.908	3.002	22	7.7	354	18	342	317	0.1	550	213	2,580	8	0.237	16	39.10	6.07	23	7.1			7.5	186	3.00	70.06	7.00	163.46			1.0	0.03	2.800													
7	Thur	79	0.19	cloudy	3.902	3.046	22	7.7	361	29	1436	376	0.1	570	204	2,790	2	0.239	17	36.46	6.01	22	7.0			7.5	201	3.00	70.11	8.00	186.95				0.03	2.802													
8	Fri	90	0.00	clear	3.997	2.910	22	7.6	375	19	460	324	0.1	540	191	2,830	6	0.211	17	39.31	6.48	22	7.1			7.5	200								0.03	2.881													
9	Sat	92	0.00	clear	3.969	2.955	22	7.3	255	20			0.1	550				0.240				23	7.0			7.5	193								0.03	2.845													
10	Sun	93	0.00	clear	3.827	3.097	21	7.4	258	20			0.1	440				0.235				23	7.0			7.5	173	3.00	68.78	13.00	298.05				0.03	2.749													
11	Mon	92	0.00	clear	3.948	2.803	23	7.6	367	20	292	335	0.1	450	172	2,620	9	0.221	16	18.56	2.88	23	7.1			7.5	180	4.00	93.51	11.00	257.15				0.03	2.803													
12	Tue	87	0.64	clear	4.294	2.948	22	7.5	289	19	352	420	0.1	410	158	2,600	7	0.245	16	40.62	6.31	23	7.0			7.5	199	5.00	126.68	10.00	253.37			1.0	0.03	3.038													
13	Wed	94	0.00	clear	5.005	2.822	22	7.7	363	13	286	288	0.1	420	145	2,890	8	0.230	16	19.84	3.08	23	7.1			7.5	209	3.00	85.87	6.00	171.74			1.0	0.03	3.432													
14	Thur	94	0.00	clear	4.224	3.593	23	7.7	354	15	276	313	0.1	380	134	2,840	10	0.225	18	39.83	6.96	23	7.1			7.6	207	2.00	50.34	10.00	251.70				0.03	3.018													
15	Fri	93	0.00	clear	3.996	3.096	22	7.4	262	17	298	434	0.1	390	134	2,920	10	0.235	18	8.44	1.47	24	6.9			7.5	209								0.03	2.857													
16	Sat	93	0.00	clear	3.807	2.890	22	7.5	285	16			0.1	360				0.230				23	6.7			7.5	173								0.03	2.550													
17	Sun	93	0.00	clear	3.850	2.785	22	7.5	280	18			0.1	340				0.231				24	6.5			7.5	169	2.00	42.52	8.00	170.07				0.03	2.549													
18	Mon	91	0.00	P. cloudy	3.929	2.801	23	7.7	397	8	194	261	0.1	300	118	2,540	13	0.217	17	17.48	2.88	24	7.0			7.5	175	2.00	42.68	7.00	149.39				0.03	2.559													
19	Tue	86	0.00	P. cloudy	3.878	3.600	23	7.6	365	17	332	335	0.1	300	117	2,560	8	0.237	17	20.20	3.33	23	6.8			7.5	196	2.00	42.98	7.00	150.45			1.0	0.03	2.577													
20	Wed	87	0.18	P. cloudy	3.959	3.272	23	7.4	344	15	312	297	0.2	300	126	2,380	8	0.212	17	42.54	7.02	23	6.9			7.6	198	2.00	44.05	7.00	154.18			2.0	0.03	2.641													
21	Thur	88	0.01	clear	4.103	2.936	23	7.7	381	16	352	420	0.2	300	127	2,360	7	0.201	17	20.05	3.31	23	6.9			7.5	204	2.00	45.50	8.00	182.01				0.03	2.728													
22	Fri	88	0.00	cloudy	3.794	2.602	22	7.4	265	19	428	426	0.1	330	138	2,400	6	0.196	17	14.33	2.36	23	6.9			7.6	211								0.03	3.739													
23	Sat	89	0.29	cloudy	3.795	2.511	23	7.3	265	15			0.2	210				0.186				24	7.0			7.4	196								0.03	2.568													
24	Sun	78	0.53	cloudy	3.917	2.480	22	7.4	290	16			0.3	300				0.197				23	6.9			7.4	209	2.00	43.42	8.00	173.67				0.03	2.603	PARTIAL WEEKLY AVG.NO.'s												
25	Mon	85	0.00	P. cloudy	4.019	2.504	23	7.6	367	18	222	306	0.2	290	124	2,330	10	0.190	15			23	7.0			7.5	183	2.00	47.19	8.00	188.75				0.03	2.829	Date	Week No.	TSS	BOD									
26	Tue	92	0.00	clear	4.017	2.913	23	7.5	347	19	272	302	0.2	300	138	2,180	8	0.210	16	59.80	9.28	24	6.8			7.6	201	4.00	93.77	11.00	257.88			1.0	0.03	2.811													
27	Wed	95	0.00	clear	3.943	2.892	23	7.6	368	17	312	380	0.1	300	141	2,130	7	0.213	16	20.48	3.18	24	6.7			7.5	211	3.00	65.78	8.00	175.41			1.0	0.03	2.629													
28	Thur	96	0.00	clear	3.859	2.890	23	7.5	353	19	396	293	0.1	350	156	2,240	6	0.196	16	35.06	5.44	24	6.8			7.5	204	3.00	65.25	8.00	174.01				0.03	2.608													
29	Fri	93	0.00	clear	3.939	2.858	23	7.4	261	18	336	313	0.2	350	152	2,3																																	

REMARKS : Grab, weekend duty operator didn't reset composite sampler
Power failure reset the totalizer on EFF flowmeter had to use INF number for daily flow