



MONTHLY OPERATIONAL REPORT
City of Broken Arrow Lynn Lane Wastewater Treatment Facility
July-18

		WEATHER			INFLUENT							OXIDATION DITCH					SLUDGE				FINAL EFFLUENT														STREAM SURVEILLANCE													
Date	Day	°F	Rain	Cloud Conditions	Flow (MGD)	RAS (MGD)	°C	pH	Alk.	Settl. 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	Sun	86	0.54	cloudy	3.564	2.584	23	7.4	291	20			0.1	320				0.205					24	6.5			7.5	163	2.00	40.63	10.00	203.16				0.03	2.436											
2	Mon	95	0.00	p. cloudy	4.101	3.571	23	7.6	357	18	304	327	0.1	230	113	2,040	7	0.214	16	21.56	3.35	24	6.9			7.4	160	3.00	72.03	11.00	264.12				1.0	0.03	2.879											
3	Tue	97	0.00	clear	3.968	3.305	23	7.5	359	21	354	533	0.1	300	131	2,290	7	0.203	16	60.07	9.32	24	6.8			7.5	185	3.00	66.48	9.00	199.43				3.0	0.03	2.657											
4	Wed	92	0.00	clear	3.771	2.745	24	7.7	420	20	306	395	0.1	280				0.190	16	18.73	2.91	24	6.6			7.5	202	3.00	63.90	9.00	191.70					0.03	2.554											
5	Thur	97	0.00	p. cloudy	3.835	2.742	24	7.7	403	19	280	333	0.0	280	121	2,310	9	0.141	16	31.81	4.94	24	6.9			7.5	178	4.00	85.43	12.00	256.30					0.03	2.561											
6	Fri	97	0.38	clear	3.736	2.775	23	7.6	350	21	402	543	0.1	300	121	2,480	7	0.187	18	33.50	5.85	24	6.9			7.5	199								0.03	2.566												
7	Sat	94	0.01	clear	3.835	2.739	23	7.1	238	24			0.2	300				0.203					25	6.5			7.4	202								0.03	2.482											
8	Sun	92	0.00	clear	3.775	2.248	24	7.3	261	20			0.2	400				0.196					24	6.6	464	9,624	7.4	173	3.00	62.22	9.00	186.67	0.00005	0.0010		0.03	2.487											
9	Mon	93	0.00	clear	3.825	3.772	24	7.7	413	18	268	272	0.2	250	105	2,380	9	0.185	16	17.48	2.71	24	7.1			7.4	164	4.00	84.13	7.00	147.23					0.03	2.522											
10	Tue	96	0.00	clear	3.776	2.985	23	7.3	247	19	374	339	0.0	270				0.202					25	6.8			7.5	178	3.00	61.97	8.00	165.27				1.0	0.03	2.477										
11	Wed	95	0.00	clear	3.610	2.916	24	7.7	378	19	454	352	0.0	280	116	2,420	6	0.209	17	20.42	3.37	24	6.8			7.5	171	3.00	59.05	9.00	177.14				1.0	0.03	2.360											
12	Thur	97	0.00	clear	3.752	2.791	24	7.7	379	21	477	366	0.1	290	117	2,480	6	0.193	18	21.10	3.68	24	6.7			7.5	182	3.00	60.20	7.00	140.46					0.03	2.406											
13	Fri	94	0.00	p. cloudy	3.826	2.938	23	7.4	272	19	494	390	0.0	300	127	2,360	5	0.184	18	20.25	3.54	25	6.9			7.5	187								0.03	2.418												
14	Sat	96	0.47	p. cloudy	3.650	2.801	23	7.2	249	18			0.0	330				0.181					25	6.7			7.5	173								0.03	2.322											
15	Sun	94	0.14	cloudy	3.827	2.887	23	7.3	228	19			0.0	340				0.158					25	6.7			7.4	156	3.00	63.83	8.00	170.20					0.03	2.551										
16	Mon	94	0.53	cloudy	4.182	2.768	24	7.7	347	17	262	332	0.1	400	154	2,600	9	0.085	20			24	6.7			7.5	163	5.00	124.35	12.00	298.44					0.03	2.982											
17	Tue	93	0.27	p. cloudy	4.326	3.110	25	7.6	355	18	392	343	0.1	420				0.174	18	18.21	3.18	25	6.5			7.5	177	12.00	305.94	37.00	943.33				272.0	0.03	3.057											
18	Wed	88	0.00	cloudy	3.936	2.756	24	7.5	264	18	244	281	0.1	400	156	2,560	11	0.207	17	18.67	3.08	24	6.6			7.6	243	17.00	397.98	36.00	842.77				1.0	0.03	2.807											
19	Thur	99	0.00	clear	3.842	2.758	24	7.3	237	24	148	265	0.1	400	156	2,570	18	0.212	17	21.61	3.56	25	6.2			7.5	254	27.00	617.22	42.00	960.12					0.03	2.741											
20	Fri	106	0.00	clear	3.698	2.598	24	7.4	250	20	356	445	0.1	350	159	2,200	7	0.207					25	5.3			7.4	258								0.03	2.704											
21	Sat	99	0.00	p. cloudy	3.562	2.678	24	7.6	320	20			0.1	400				0.197					25	5.7			7.5	240								0.03	2.620											
22	Sun	88	0.00	cloudy	3.577	3.872	24	7.5	286	20			0.1	480				0.230					25	6.7			7.4	206	13.00	287.31	25.00	552.53					0.03	2.650										
23	Mon	91	0.00	cloudy	3.836	3.387	23	7.5	310	18	214	300	0.1	410	152	2,700	13	0.226	17			25	6.7			7.4	205	7.00	164.40	18.00	422.74					0.03	2.816											
24	Tue	94	0.00	clear	3.488	3.240	25	7.7	374	18	325	417	0.1	560	207	2,710	10	0.208	18	16.84	2.94	25	6.8			7.5	230	5.00	107.46	17.00	365.37				1.0	0.03	2.577	PARTIAL WEEKLY AVG.NO.'s										
25	Wed	98	0.00	clear	3.571	3.092	24	7.7	360	20	298	415	0.1	600	226	2,650	10	0.223	18	21.28	3.72	24	6.8			7.6	240	4.00	87.20	14.00	305.21				5.0	0.03	2.614	Date	Week No.	TSS	BOD							
26	Thur	86	0.01	cloudy	3.557	3.250	24	7.6	356	18	385	240	0.1	650	243	2,680	8	0.240	17	22.17	3.66	25	6.8			7.6	250	4.00	86.84	13.00	282.22					0.03	2.603	1-Aug	5	2.00	11.00							
27	Fri	93	0.00	cloudy	3.525	3.319	24	7.4	304	19	432	337	0.2	550	205	2,680	7	0.231	17	38.91	6.42	25	6.9			7.5	222								0.03	2.572	2-Aug	5	2.00	13.00								
28	Sat	89	1.60	cloudy	3.469	3.354	24	7.1	245	19			0.1	550				0.239					25	6.7			7.5	211								0.03	2.523											
29	Sun	89	0.80	cloudy	3.890	2.949	23	7.2	230	19			0.3	450				0.229					25	7.0			7.5	182	4.00	93.88	17.00	398.97					0.03	2.814										
30	Mon	85	0.44	clear	4.498	3.165	24	7.4	345	17	244	318	0.1																																			

REMARKS :

Electrical Costs :	18,192.17
Labor Costs :	40,189.00
Chemicals, Lab Supplies & Services :	11,199.81
Repairs, Maint., Services & Admin. :	17,153.60
Sludge (Generation & Transportation) :	12,868.54
TOTAL COSTS :	99