



MONTHLY OPERATIONAL REPORT
City of Broken Arrow Lynn Lane Wastewater Treatment Facility
December-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.	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	Sat	56	0.01	cloudy	4.082	3.370	18	7.3	234	20			0.2	310				0.222					18	7.5			7.3	185							0.03	2.817												
2	Sun	51	0.00	clear	4.387	3.011	18	7.4	279	15			0.5	300				0.213					17	8.1			7.3	161	4.00	104.55	12.00	313.65				0.03	3.134											
3	Mon	38	0.00	cloudy	4.243	2.651	19	7.4	286	17	270	306	0.5	310	116	2,670	9	0.193	13				17	8.1			7.2	173	4.00	102.11	11.00	280.82				0.03	3.061											
4	Tue	36	0.00	cloudy	3.997	3.210	18	7.5	276	18	334	376	0.2	350	169	2,075	6	0.192	13	18.77	2.37		16	8.0			7.5	193	4.00	92.24	12.00	276.72			1.0	0.03	2.765											
5	Wed	52	0.00	clear	3.897	3.313	17	7.4	260	19	352	342	0.4	340	155	2,200	6	0.224	17	41.23	6.80		16	8.1			7.6	233	3.00	68.18	14.00	318.17				0.03	2.725											
6	Thur	50	0.00	cloudy	3.706	3.223	18	7.3	246	19	377	339	0.4	330	131	2,520	7	0.224	16	42.22	6.55		17	8.0			7.2	188	3.00	68.05	15.00	340.27				0.03	2.720											
7	Fri	40	3.00	cloudy	3.532	3.444	17	7.3	248	18	310	434	0.8	310	136	2,284	8	0.216	14	38.92	5.29		16	8.1			7.3	168							0.03	2.598												
8	Sat	38	0.00	cloudy	3.223	3.489	19	7.5	280	18			1.1	380				0.216					17	8.0			7.4	175							0.03	2.587												
9	Sun	44	0.00	clear	2.292	3.138	19	7.4	274	18			1.6	380				0.221					16	8.2	478	9,978	7.4	158	4.00	83.50	15.00	313.13	0.00005	0.0010		0.03	2.503											
10	Mon	51	0.00	clear	2.869	2.743	17	7.4	264	17	272	312	0.3	370	157	2,359	12	0.209	17	19.37	3.19		16	7.9			7.3	142	3.00	71.78	14.00	334.98				0.03	2.869											
11	Tue	62	0.00	p. cloudy	3.633	2.801	17	7.3	249	19	308	345	0.3	360	145	2,475	9	0.206	13	44.19	5.57		15	8.0			7.2	152	3.00	69.11	10.00	230.35			2.0	0.03	2.762											
12	Wed	59	0.00	p. cloudy	2.729	2.894	17	7.2	282	18	290	403	0.3	420	187	2,242	11	0.210	16	46.59	7.23		17	7.9			7.2	151	4.00	91.04	11.00	250.36				0.03	2.729											
13	Thur	56	2.12	cloudy	2.696	3.257	18	7.3	265	20	363	466	0.3	330	132	2,500	10	0.209	13	20.40	2.57		18	7.6			7.4	181	76.00	1708.83	33.00	854.42				0.03	2.696											
14	Fri	45	0.01	cloudy	4.404	5.213	16	7.2	194	15	608	373	1.2	230	107	2,150	3	0.214	13	33.54	4.23		15	7.6			7.1	124							0.03	4.404												
15	Sat	57	0.00	clear	4.233	5.486	16	7.3	265	11			1.8	310				0.188					16	8.1			7.2	123							0.03	4.233												
16	Sun	60	0.00	clear	3.713	5.590	16	7.3	278	12			1.1	270				0.187					16	7.8			7.2	169	6.00	185.80	7.00	216.76				0.03	3.713											
17	Mon	58	0.00	cloudy	3.625	3.766	17	7.2	277	13	216	213	0.2	310	116	2,680	14	0.198	17				16	7.8			7.2	165	3.00	90.70	9.00	272.09				0.03	3.625											
18	Tue	55	0.00	cloudy	3.339	3.350	17	7.2	272	14	318	340	0.3	360	146	2,467	9	0.223	21	43.35	8.83		16	7.8			7.3	180	3.00	83.54	12.00	334.17			114.0	0.03	3.339											
19	Wed	55	0.00	cloudy	3.240	3.194	17	7.1	270	16	230	316	0.2	350	167	2,092	11	0.223	12	67.11	7.81		16	7.7			7.4	185	3.00	81.06	14.00	378.30				0.03	3.240											
20	Thur	54	0.01	clear	3.145	3.434	17	7.2	280	16	326	325	0.2	400	150	2,675	10	0.219	18	44.84	7.83		17	7.7			7.3	186	2.00	52.46	14.00	367.21				0.03	3.145											
21	Fri	55	0.01	clear	3.065	3.390	17	7.2	300	15	212	348	0.5	480	217	2,217	14	0.224	19	41.88	7.72		16	7.9			7.4	188							0.03	3.065												
22	Sat	61	0.00	clear	3.069	3.446	16	7.3	305	11			0.3	360				0.240	19	24.03	4.43		16	7.8			7.4	175							0.03	3.069												
23	Sun	52	0.00	clear	3.102	3.297	17	7.5	278	6			0.4	410				0.230					17	7.8			7.4	160	3.00	77.61	11.00	284.58				0.03	3.102											
24	Mon	54	0.00	p. cloudy	3.073	3.253	18	7.4	287	11	148	252	0.6	490			0	0.237					17	8.0			7.1	155	3.00	76.89	12.00	307.55				0.03	3.073	PARTIAL WEEKLY AVG.NO.'s										
25	Tue	62	0.00	cloudy	2.811	3.217	17	7.2	295	10	316	471	0.4	350			0	0.208	14				17	8.1			7.2	165	3.00	70.33	10.00	234.44			2.0	0.03	2.811	Date	Week No.	TSS	BOD							
26	Wed	58	0.60	cloudy	2.778	3.672	18	7.3	288	7.5	156	274	0.3	360	185	1,943	18	0.232	14	41.18	5.59		18	7.9			7.4	185	4.00	92.67	14.00	324.36				0.03	2.778											
27	Thur	59	0.30	p. cloudy	3.314	4.536	17	7.2	222	7.5	382	305	0.3	310	179	1,736	5	0.227	15	44.69	6.50		17	7.4			7.3	189	6.00	165.83	16.00	442.22				0.03	3.314											
28	Fri	38	0.00	clear	3.905	4.596	16	7.2	283	13	504	317	0.6	380	178	2,135	4	0.220	14	22.94	3.12		16	8.5			7.2	148							0.03	3.905												
29	Sat	34	0.00	cloudy	3.330	3.845	17	7.3	275	14			1.9	350				0.228					14	8.3			7.3	153							0.03	3.330												
30	Sun	38	0.22																																													