



MONTHLY OPERATIONAL REPORT

City of Broken Arrow Lynn Lane Water Reclamation Facility

November-19

		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	Fri	58	0.00	Clear	6.289	4.262	19	7.4	278	18	1628	473	0.6	80	43	1,840	1	0.190	16	40.04	6.22	18	8.0			7.3	127								0.05	6.258															
2	Sat	60	0.00	Clear	6.555	4.257	20	7.3	272	21			0.6	80				0.218				19	8.0			7.3	138								0.05	6.613															
3	Sun	65	0.00	Clear	6.269	4.300	20	7.4	285	17			0.2	110				0.238				19	7.7			7.3	140	4.00	210.90	6.00	316.35				0.05	6.322															
4	Mon	67	0.00	Clear	5.958	4.265	20	7.3	267	17	442	564	0.4	140	72	1,940	3	0.172	16	22.32	3.46	20	7.5	468	23,430	7.3	155	3.00	150.20	6.00	300.39	0.00005	0.0025		0.05	6.003															
5	Tue	69	0.00	Clear	5.890	4.282	19	7.3	289	19	500	889	0.7	150	73	2,050	3	0.201	16	44.36	6.89	20	7.8			7.3	164	4.00	200.13	7.00	350.22			19.0	0.05	5.999															
6	Wed	63	1.50	Cloudy	5.540	4.324	20	7.3	280	15	328	294	0.3	130				0.201	16	22.68	3.52	20	7.3			7.3	147	5.00	236.19	12.00	566.85				0.05	5.664															
7	Thu	59	0.82	Cloudy	6.834	4.317	18	7.1	140	14	232	257	1.6	150				0.205	16	38.92	6.04	18	7.9			7.1	95	4.00	234.99	7.00	411.23				0.05	7.044															
8	Fri	50	0.00	Clear	7.700	4.294	17	7.3	241	11	188	215	2.1	120				0.213	16	12.64	1.96	18	8.4			7.3	114								0.05	7.839															
9	Sat	68	0.00	Clear	7.034	4.335	18	7.2	253	9			2.4	100				0.214				18	8.3			7.3	121								0.05	7.438															
10	Sun	73	0.00	Clear	6.689	4.322	18	7.2	260	10			0.3	120				0.188				19	7.7			7.2	132	6.00	338.82	11.00	621.17				0.05	6.771															
11	Mon	60	0.02	Cloudy	6.652	4.294	18	7.3	240	10	156	168	0.1	110				0.237				18	7.5			7.4	170	2.00	110.96	6.00	332.87				0.05	6.652															
12	Tue	34	0.00	Clear	6.293	4.288	18	7.3	259	13	222	203	0.3	100	44	2,270	6	0.172	17			18	8.1			7.3	160	6.00	316.50	14.00	738.51			250.0	0.05	6.325															
13	Wed	47	0.00	Clear	6.066	4.238	18	7.3	224	15	178	196	0.8	100	43	2,310	9	0.213	17	19.42	3.20	17	8.0			7.3	157	6.00	311.55	11.00	571.17				0.05	6.226															
14	Thu	53	0.00	Clear	5.972	4.283	18	7.3	247	14	228	212	0.2	140	57	2,440	7	0.036				18	7.8			7.3	160	6.00	320.31	10.00	533.84				0.05	6.401															
15	Fri	59	0.00	Clear	5.602	4.275	19	7.3	247		164	195	0.2	170	51	3,350	15	0.002				19	8.1			7.3	173								0.05	5.846															
16	Sat	61	0.00	Clear	5.336	4.301	17	7.4	266	17			0.2	180				0.102				18	7.9			7.4	175								0.05	5.316															
17	Sun	62	0.00	Cloudy	5.470	4.362	18	7.3	269	18			0.2	200				0.107				18	7.8			7.4	175	5.00	229.77	10.00	459.53				0.05	5.510															
18	Mon	72	0.00	Cloudy	5.680	4.273	19	7.3	260	16	184	209	0.1	200	70	2,870	11	0.078	17	19.84	3.27	19	7.8			7.3	185	4.00	189.85	7.00	332.24			15.0	0.05	5.691															
19	Tue	70	0.00	Clear	5.523	4.239	19	7.4	257	15	268	255	0.1	250	74	3,390	9	0.197	16	16.64	2.58	19	7.8			7.4	179	4.00	187.28	8.00	374.57				0.05	5.614															
20	Wed	67	0.05	Cloudy	5.318	4.379	19	7.3	239	15	174	220	0.1	230	74	3,120	13	0.181	16	23.31	3.62	19	7.8			7.3	167	4.00	182.55	9.00	410.73				0.05	5.472															
21	Thu	67	0.26	Cloudy	4.773	4.271	20	7.3	277	8	128	241	0.1	240	71	3,380	22	0.181	16	27.61	4.29	21	7.9			7.3	166	3.00	123.15	7.00	287.35				0.05	4.922															
22	Fri	42	0.17	Cloudy	5.274	3.983	18	7.4	245	15	212	251	0.2	210	71	2,950	11	0.183	16	19.55	3.03	19	8.1			7.2	155								0.05	5.341															
23	Sat	51	0.00	Cloudy	7.072	3.700	18	7.4	239	10			0.2	260				0.210				18	8.2			7.4	165								0.05	7.075															
24	Sun	70	0.01	Clear	6.018	3.784	18	7.5	280	18			0.2	200				0.186				18	8.1			7.3	156	2.00	101.68	9.00	457.57				0.05	6.096	PARTIAL WEEKLY AVG.NO.'s														
25	Mon	67	0.00	Clear	5.799	3.931	19	7.4	257	12	166	216	0.1	240	92	2,610	11	0.181	16	19.82	3.08	19	8.0			7.3	160	2.00	98.21	2.00	98.21			11.0	0.05	5.888	Date	Week No.	TSS	BOD											
26	Tue	73	0.00	Cloudy	5.908	3.948	19	7.3	290	10	146	191	0.2	300	88	3,410	16	0.153	16	23.47	3.64	19	7.9			7.3	171	2.00	100.53	3.00	150.80				0.05	6.027															
27	Wed	48	0.00	Clear	5.714	3.771	18	7.4	267	14	74	158	0.3	300	93	3,230	31	0.248	16	34.95	5.43	18	8.4			7.3	171	4.00	198.96	8.00	397.92				0.05	5.964															
28	Thu	42	0.60	Cloudy	5.731	3.876	17	7.4	270	14	190	224	0.2	320				0.123				17	8.0			7.2	162	6.00	298.74	12.00	597.48				0.05	5.970															
29	Fri	52	0.81	Cloudy	6.856	4.052	17	7.4	270	12	274	224	0.1	300				0.172																																	