



MONTHLY OPERATIONAL REPORT
City of Broken Arrow Lynn Lane Water Reclamation Facility
August-25

		WEATHER			INFLUENT							EAST OXIDATION DITCH					WEST OXIDATION DITCH					SLUDGE WASTING					DIGESTER			FINAL EFFLUENT																	NOTES				
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)	D.O. (mg/L)	30 Min. Settlt.	SVI (ml/gm)	MLSS (mg/L)	Sl. Age (Days)	WAS (MGD)	WAS MLSS (mg/L)	CAKE (%)	LANDFILL (Tons)	LANDFILL (D.M. Tons)	THK EFFL MLVSS (mg/L)	BP FEED MLVSS (mg/L)	VECTOR ATT RED. (%)	°C	D.O. (mg/L)	TDS (mg/L)	TDS (lbs)	pH	Alk.	TSS (mg/L)	TSS (lbs)	BOD (mg/L)	BOD (lbs)	Hg (mg/L)	Hg (lbs.)	E.Coli	Cl2 Res	CL2 lbs/day	Effl. Flow (MGD)			Non-Potable (MGD)		
1	Fri	78	1.59	Cloudy	5.788	5.512	24	7.5	167	25	242	320	1.8	620	186	3,340	19	2.6	620	167	3,710	21	0.130	5,990	17	32.32	4.98	10,750	9,825	9	24	6.7				7.4	91											3.831	0.265	Electrical Usage :	56,896
2	Sat	87	0.00	Clear	8.330	5.374	23	7.3	239	18			1.5	560				2.5	580				0.130								24	7.0				7.4	93										6.830	0.229	Labor :	73,845	
3	Sun	86	0.00	Clear	6.178	5.328	23	7.3	254	18			1.7	510				2.6	540				0.130								24	7.0	490	19,272	7.4	97	2.00	78.66	2.00	78.66	0.00005	0.0020					4.716	0.317	Natural Gas :	184	
4	Mon	90	0.00	Clear	6.098	5.314	24	7.4	233	16	342	210	1.9	560	156	3,580	14	2.8	560	162	3,450	13	0.130	7,580	16	28.70	4.17	12,225	8,725	29	25	6.5			7.4	105	2.30	91.56	2.10	83.59			39.4				4.773	0.220	Communications:	3,386	
5	Tue	93	0.00	Clear	5.912	5.206	24	7.3	259	19	378	211	2.1	500	143	3,500	13	2.8	570	155	3,670	13	0.130	6,140	17	30.05	4.63				25	7.0			7.4	105	2.00	74.31	2.00	74.31			52.1				4.455	0.250	Chemical, Laboratory	20,234	
6	Wed	93	0.00	Clear	5.729	4.932	24	7.3	246	17	326	215	1.8	460	130	3,550	15	2.3	460	128	3,590	15	0.130	6,040	17	33.39	5.15	11,850	9,100	23	25	7.0			7.4	102	2.00	71.94	2.00	71.94							4.313	0.322	Supplies & Services :		
7	Thu	95	0.00	Clear	5.915	5.149	24	7.4	252	20	408	231	2.1	450	84	5,360	18	3.1	490	107	4,600	15	0.130	7,210	17	20.46	3.16				25	6.7			7.4	96	2.00	71.97	2.00	71.97							4.315	0.262	Repairs, Maintenance,	91,684	
8	Fri	96	0.00	Clear	5.677	5.278	24	7.4	241	2	56.7	84.8	1.9	430	124	3,460	86	2.6	430	120	3,590	89	0.130	5,320	17			10,650	8,350	22	24	6.6			7.4	91										4.167	0.241	Services & Admin. :			
9	Sat	97	0.00	Cloudy	5.557	5.327	24	7.3	266	16			1.7	420				2.2	410				0.130								25	6.6			7.4	88										4.163	0.234	Sludge (Generation &	24,032		
10	Sun	95	0.00	Clear	5.154	5.244	24	7.4	261	13			1.6	380				2.4	410				0.130								26	6.8			7.3	82	2.00	75.83	2.00	75.83							4.546	0.260	Transportation) :		
11	Mon	93	0.73	Clear	5.718	5.147	24	7.0	269	10	238	238	1.3	320	98	3,270	19	1.9	340	111	3,060	18	0.150	5,150	17	22.76	3.51	9,175	9,125	1	25	6.0			7.3	86	12.00	451.86	4.20	158.15							4.515	0.251	TOTAL COSTS :	270,261	
12	Tue	88	0.01	Cloudy	8.322	5.985	24	7.2	211	14	314	328	1.5	380	112	3,380	10	2.1	380	103	3,700	11	0.150	7,510	18	30.61	5.00				25	6.5			7.4	100	2.00	116.63	2.00	116.63			14.8				6.992	0.227	COSTS - 1,000 GAL.	1.85	
13	Wed	93	0.00	Clear	7.301	5.687	24	7.3	252	8	284	213	0.8	390	108	3,610	14	1.7	390	110	3,540	14	0.150	7,020	18	26.85	4.38	11,925	9,275	22	25	6.8			7.5	115	2.00	97.91	2.00	97.91			24.9				5.870	0.225	TREATED :		
14	Thu	95	0.00	Clear	6.566	5.458	24	7.3	246	9	196	202	1.9	360	107	3,370	21	3.0	360	112	3,210	20	0.150	5,280	18	33.50	5.47				25	6.9			7.4	106	2.00	84.45	2.00	84.45							5.063	0.250	Non-Potable Water	6,669	
15	Fri	97	0.00	Clear	6.157	5.378	24	7.3	236	14	236	417	1.9	360	108	3,340	18	2.9	370	101	3,660	20	0.150	5,800	18	18.60	3.04	14,575	9,075	38	26	6.7			7.5	120											4.887	0.248	Use Savings :		
16	Sat	96	0.00	Clear	5.905	5.214	23	7.3	261	20			1.9	300				3.0	330				0.150								25	6.9			7.5	119										4.774	0.239	/ / / / / / / / / /			
17	Su	97	0.00	Clear	5.786	5.392	23	7.4	264	24			1.6	310				2.9	340				0.150								25	6.9			7.4	100	2.00	77.21	2.20	84.93						4.629	0.239				
18	Mon	99	0.00	Clear	5.952	5.710	25	7.3	241	27	284	250	1.5	340	108	3,160	15	2.5	340	105	3,250	15	0.150	6,680	17	31.93	4.92	11,075	9,450	15	26	6.2			7.4	97	2.00	81.28	2.00	81.28							4.873	0.228			
19	Tue	100	0.00	Clear	5.809	5.580	25	7.4	234	23	392	251	1.6	340	93	3,670	13	2.7	340	102	3,340	12	0.150	5,070	17	19.04	2.94				26	6.6			7.4	106	2.00	76.68	2.00	76.68			15.8				4.597	0.225			
20	Wed	94	0.00	Clear	5.597	5.571	25	7.4	250	21	280	227	1.8	380	116	3,290	17	2.7	370	125	2,970	15	0.150	4,640	18	33.36	5.45	11,475	9,500	17	25	6.8			7.4	100	2.00	67.35	2.40	80.82			14.6				4.038	0.207			
21	Thu	92	0.00	Clear	5.459	5.413	24	7.4	242	24	332	241	0.9	350	127	2,760	12	2.5	360	116	3,110	14	0.150	4,570	18	13.15	2.15				25	6.9			7.4	97	2.00	61.65	2.10	64.73							3.696	0.215			
22	Fri	91	0.00	Clear	5.402	5.783	24	7.4	234	25	322	241	1.9	360	115	3,140	14	3.0	380	110	3,450	16	0.150	5,730	18			11,125	9,350	16	25	6.5			7.3	94										3.652	0.233				
23	Sat	89	0.00	Clear	5.342	6.113	23	7.4	280	30			2.8	360				3.6	360				0.150								25	7.5			7.3	80										3.501	0.248				
24	Su	88	0.00	Clear	5.311	6.080	23	7.4	272	35			2.4	400				3.5	400				0.150								25	7.0			7.3	76	8.90	297.65	3.60	120.40							4.010	0.237			
25	Mon	72	0.38	Cloudy	5.442	9.583	24	7.3	247	30	386	236	2.0	420	135	3,120	12	3.1	400	129	3,100	12	0.150	3,760	18	39.42	6.44	9,825	9,675	2	24	7.0			7.3	87	5.50	189.03	2.80	96.23			12.2				4.121	0.232			
26	Tue	80	0.00	Cloudy	5.403	9.747	24	7.4	245	18	282	251	2.2	420	141	2,980	16	3.3	480	151	3,180	17	0.150	3,800	18	34.46	5.63				24	7.1																			