



MONTHLY OPERATIONAL REPORT
City of Broken Arrow Lynn Lane Water Reclamation Facility
April-22

		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	65	0.03	Clear	6.305	6.481	16	7.5	274	19	808	302	3.2	360	120	3.010	5	3.2	360	121	2.970	5	0.140	4,940	15	14.10	2.05	14,350	10,300	28	16	9.0				7.3	104								0.04	120	6.045	0.141	Electrical Usage :	39,102		
2	Sat	71	0.20	Clear	5.907	6.506	17	7.4	270	23			2.6	400				2.6	400				0.140									17	9.0				7.3	90						0.04	120	5.743	0.131	Labor :	84,820			
3	Sun	78	0.00	Clear	6.020	6.459	17	7.4	269	23			2.7	410				2.7	380				0.140									17	8.4	579	27,689	7.2	96	4.00	191.29	8.00	382.57	0.00005	0.0024		0.04	100	5.734	0.106	Natural Gas :	388		
4	Mon	68	0.15	Cloudy	5.728	6.045	18	7.4	258	18	308	267	1.7	400	145	2,750	12	1.8	380	131	2,900	13	0.140	4,680	15	35.63	5.19	13,400	9,600	28	19	8.3				7.3	106	5.00	230.48	7.00	322.67			13.4	0.04	100	5.527	0.108	Chemical, Laboratory	24,803		
5	Tue	77	0.01	P Cloudy	6.182	6.306	18	7.4	261	18	388	349	1.4	400	139	2,870	10	1.2	400	139	2,880	10	0.140	4,880	16	26.91	4.18					19	8.3				7.3	112	4.00	196.16	8.00	392.31			0.04	120	5.880	0.138	Supplies & Services :			
6	Wed	67	0.00	P Cloudy	5.876	6.441	18	7.4	257	19	422	354	1.6	400	143	2,800	9	1.9	410	142	2,890	9	0.140	4,810	15	25.56	3.72	15,500	9,400	39	19	8.4				7.3	111	4.00	188.05	7.00	329.09			0.04	120	5.637	0.139	Repairs, Maintenance,	77,787			
7	Thu	59	0.00	Clear	5.542	6.568	17	7.5	262	19	500	326	2.2	450	160	2,820	8	2.5	460	153	3,000	9	0.140	4,480	15	19.65	2.86					18	8.6				7.3	102	4.00	177.17	7.00	310.06			0.04	120	5.311	0.135	Services & Admin. :			
8	Fri	58	0.00	Clear	5.330	6.470	17	7.5	257	17	398	301	2.8	480	169	2,840	11	2.6	500	175	2,860	11	0.140	4,660	16			14,350	9,700	32	17	8.8				7.2	94						0.04	120	5.105	0.129	Sludge (Generation &	11,357				
9	Sat	77	0.00	Clear	5.144	6.421	16	7.6	296	23			3.5	500				2.4	500				0.140									17	8.5				7.2	90						0.04	120	4.867	0.127	Transportation) :				
10	Sun	78	0.00	Clear	5.109	6.409	18	7.5	287	19			2.3	470				2.1	490				0.140									18	8.4				7.2	81	4.00	160.70	7.00	281.22			0.04	120	4.817	0.114	TOTAL COSTS :	238,257		
11	Mon	72	0.26	Cloudy	5.392	6.395	18	7.3	262	20	538	306	1.4	520	182	2,850	8	1.7	520	171	3,040	8	0.140	5,440	15	32.64	4.75	15,650	12,750	19	19	8.2				7.3	95	5.00	215.84	8.00	345.34			11.0	0.04	120	5.176	0.117	COSTS - 1,000 GAL.	1,47		
12	Tue	80	0.00	Cloudy	5.828	6.395	19	7.4	262	21	602	456	1.5	530	173	3,060	7	1.4	550	168	3,280	7	0.140	4,930	16	20.29	3.15					20	8.0				7.4	140	4.00	184.95	8.00	369.90			0.04	120	5.544	0.142	TREATED :			
13	Wed	70	0.04	Cloudy	5.437	6.443	19	7.4	265	21	678	431	1.3	670	211	3,170	7	1.7	730	223	3,280	7	0.140	4,800	16	24.09	3.74	13,600	9,850	28	19	8.0				7.4	140	3.00	128.55	6.00	257.11			0.04	120	5.138	0.140	Non-Potable Water	3,400			
14	Thu	69	0.00	Clear	5.139	6.392	17	7.5	266	24	850	414	2.0	700	215	3,260	6	1.9	730	230	3,180	6	0.165	4,570	15	12.96	1.89					18	8.5				7.4	122	3.00	121.32	7.00	283.08			0.04	120	4.849	0.130	Use Savings :			
15	Fri	80	0.06	Clear	5.052	6.446	18	7.5	281	20	124	246	2.4	580			0	2.5	580				0.165									19	8.4				7.4	119						0.04	120	4.643	0.124					
16	Sat	70	0.24	Rainy	4.873	6.474	19	7.4	285				2.1	580				2.3	620				0.165									19	8.1				7.1	98						0.04	120	4.588	0.109	4-24 to 4-27 Heavy I / I pushed solids out of West				
17	Sun	57	0.00	Cloudy	5.996	6.524	18	7.3	281	20			2.9	720				2.5	710				0.165									17	8.1				6.9	97	3.00	145.82	7.00	340.24			0.04	120	5.828	0.110	Clarifier to Contact Basins. East Clarifier out			
18	Mon	62	0.00	P Cloudy	5.532	6.359	18	7.5	292	20	562	288	2.0	760	243	3,130	8	2.1	760	248	3,070	8	0.165	4,490	15	14.19	2.07	13,250	9,200	31	18	8.5				7.3	95	3.00	127.25	6.00	254.50			12.2	0.04	120	5.086	0.117	service for rehabilitation improvements.			
19	Tue	70	0.00	P Cloudy	5.353	6.346	18	7.4	262	23	350	350	2.1	800	274	2,920	12	2.2	780	249	3,130	13	0.165	4,510	15	14.62	2.13					18	8.5				7.2	98	3.00	126.00	5.00	210.00			0.04	120	5.036	0.132				
20	Wed	73	0.06	Cloudy	5.185	6.201	18	7.4	256	25	442	315	2.2	780	250	3,120	11	2.3	780	238	3,280	11	0.165	4,800	15	24.22	3.52	11,450	9,200	20	18	8.0				7.2	90	2.00	80.68	4.00	161.36			0.04	120	4.837	0.203					
21	Thu	81	0.00	Cloudy	5.261	6.448	19	7.4	260	23	376	358	1.7	750	250	3,000	12	1.5	760	246	3,090	12	0.165	4,790	15	26.77	3.90					20	8.0				7.2	95	2.00	80.65	6.00	241.94			0.04	80	4.835	0.218				
22	Fri	81	0.00	P Cloudy	5.242	6.199	19	7.5	263	22	410	326	1.2	720	222	3,250	12	1.7	760	235	3,230	12	0.165	4,690	16	24.67	3.83	8,550	9,150	-7	20	7.9				7.3	104							0.04	80	5.222	0.202					
23	Sat	78	0.75	Cloudy	5.212	6.395	19	7.4	274	25			1.9	700				2.1	740				0.165									20	7.7				7.3	102							0.04	80	4.889	0.191				
24	Sun	67	0.60	Cloudy	6.515	6.581	19	7.1	171	23			2.7	670				2.8	620				0.165									20	7.6				7.2	101	204.00	10715.17	128.00	6723.24				0.04	80	6.298	0.160			
25	Mon	65	0.01	Clear	7.838	6.523	18	7.4	250	18	512	265	2.3	510	190	2,680	5	2.2	510	183	2,790	6	0.165	5,010	18			12,350	9,000	27	19	8.3				7.3	113	17.00	924.83	12.00	652.82			0.04	80	6.523	0.117					
26	Tue	71	0																																																	