



MONTHLY OPERATIONAL REPORT
 City of Broken Arrow Lynn Lane Water Reclamation Facility
 March-26

Date	Day	WEATHER			INFLUENT						EAST OXIDATION DITCH					WEST OXIDATION DITCH					SLUDGE WASTING				DIGESTER			FINAL EFFLUENT													NOTES								
		°F	Rain	Cloud Conditions	Flow (MGD)	RAS (MGD)	°C	pH	Alk.	Sett. Solids (mg/L)	TSS (mg/L)	BOD (mg/L)	D.O. (mg/L)	30 Min. Sett. (min)	SVI (ml/gm)	MLSS (mg/L)	Sl. Age (Days)	D.O. (mg/L)	30 Min. Sett. (min)	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	Sun	72	0.03	Clear	5.197	4.446	17	7.4	295	20		4.0	750			4.6	650					0.165									18	8.4	577	22,280	7.0	77	2.00	77.23	2.40	92.67	0.00005	0.0019				4.630	0.318	Electrical Usage :	51,229
2	Mon	56	0.00	Cloudy	5.444	4.336	18	7.4	274	18	286	283	2.1	670	234	2,860	15	3.1	630	207	3,040	16	0.165	5,870	14	27.97	3.55	9,250	8,750	5	18	7.6			7.2	95	2.00	81.38	2.40	97.66				4.879	0.305	Labor :	72,806		
3	Tue	79	0.00	P Cloudy	5.424	4.160	19	7.4	268	16	354	274	3.2	660	228	2,890	12	3.2	690	218	3,170	13	0.165	5,410	14	31.59	4.01				20	7.6			7.2	96	2.00	80.86	2.00	80.86				4.737	0.307	Natural Gas :	454		
4	Wed	58	0.16	Cloudy	5.281	4.249	18	7.4	280	18	258	235	2.0	630	215	2,930	17	3.0	590	198	2,980	17	0.165	4,850				9,925	9,325	6	19	7.7			7.2	97	2.00	79.01	2.00	79.01				4.784	0.312	Communications:	872		
5	Thu	72	0.00	Cloudy	5.335	4.162	18	7.4	286	19	272	241	2.1	630	227	2,780	15	3.1	660	237	2,790	15	0.165	5,190							19	7.7			7.2	96	2.00	79.80	2.30	91.77				4.682	0.312	Chemical, Laboratory Supplies & Services :	19,266		
6	Fri	78	0.12	Cloudy	5.272	4.174	19	7.4	281	21	252	260	2.0	600	264	2,270	14	3.2	660	226	2,920	18	0.165	4,910				9,750	9,300	5	20	7.5			7.2	91							8.035	0.301	Repairs, Maintenance, Services & Admin. :	63,977			
7	Sat	71	0.58	Cloudy	8.934	7.292	17	7.1	168	20			3.3	550				4.1	510				0.165							19	5.0			7.1	97							10.057	0.330	Sludge (Generation & Transportation) :	13,821				
8	Sun	72	0.01	Clear	10.899	7.196	17	7.3	253	10			3.6	620				4.3	670				0.165							18	8.3			7.3	125	2.00	167.75	2.00	167.75				7.297	0.278	TOTAL COSTS :	222,425			
9	Mon	82	0.00	Clear	8.041	7.124	18	7.7	303	10	212	197	1.4	620	187	3,310	16	2.4	660	188	3,520	17	0.165	6,220				10,000	9,100	9	19	7.3			7.3	138	2.00	121.71	2.00	121.71			35.5	6.329	0.309	COSTS - 1,000 GAL. TREATED :	1.32		
10	Tue	79	0.98	Cloudy	7.001	7.163	19	7.3	266	9	272	186	1.7	580	171	3,400	14	2.7	600	178	3,370	14	0.165	5,260							20	7.3			7.3	138	2.00	105.57	2.00	105.57				6.253	0.314	Non-Potable Water Use Savings :	8,193		
11	Wed	65	0.05	Cloudy	6.903	7.415	19	7.2	235	10	286	192	2.0	620	196	3,170	13	2.8	660	201	3,290	13	0.165	5,640				10,625	12,400		20	7.3			7.3	134	2.00	104.30	2.00	104.30				6.213	0.315				
12	Thu	63	0.00	Clear	6.859	7.544	17	7.3	272	9	204	227	3.0	640	196	3,270	19	3.9	660	201	3,280	19	0.165	5,010							18	8.2			7.3	125	2.00	103.63	2.00	103.63				5.082	0.311				
13	Fri	73	0.00	Clear	6.438	7.755	18	7.3	259	3	218	229	3.3	580	208	2,790	16	4.4	670	209	3,200	18	0.165	4,750	14	13.11	1.67	9,925	7,775	22	18	8.2			7.3	122							5.550	0.327					
14	Sat	77	0.00	Clear	6.139	7.582	19	7.3	273	2			3.6	570				4.6	570				0.165							19	8.3			7.3	120							5.497	0.332						
15	Sun	73	0.00	Cloudy	6.104	7.629	20	7.3	273	3			2.8	600				3.6	600				0.165							20	7.7			7.3	110	2.40	110.03	3.90	178.80				5.475	0.344					
16	Mon	38	0.00	Clear	6.091	5.407	17	7.4	260	18	218	272	4.3	640	208	3,070	18	4.8	690	212	3,260	20	0.165	5,260	14			9,150	7,250	21	17	8.5			7.3	108	2.50	114.15	3.80	173.51			75.2	5.439	0.313				
17	Tue	63	0.00	Clear	5.985	5.302	18	7.4	271	18	266	298	4.4	730	235	3,110	16	5.3	710	228	3,110	16	0.165	4,590	15	26.49	3.60				17	8.6			7.3	108	3.10	140.62	3.00	136.08				5.194	0.376				
18	Wed	76	0.00	Clear	5.834	5.263	18	7.4	257	16	266	233	4.2	690	234	2,950	15	5.0	720	247	2,920	15	0.165	4,970	14	19.37	2.46	9,900	7,850	21	18	8.5			7.4	107	2.00	86.64	3.00	129.95				5.111	0.334				
19	Thu	88	0.00	Clear	5.667	5.217	18	7.4	260	17	260	270	4.0	660	200	3,300	18	4.8	680	204	3,340	18	0.165	5,100	14	34.79	4.42				18	7.7			7.3	105	29.00	1236.15	3.70	157.72				5.165	0.341				
20	Fri	90	0.00	Clear	5.733	5.373	18	7.4	253	17	163	255	2.6	600	189	3,180	27	3.7	620	194	3,200	27	0.165	4,970	15	12.40	1.69	10,550	8,075	23	20	7.2			7.3	106							4.910	0.309					
21	Sat	93	0.00	Clear	5.708	5.154	19	7.4	268	19			2.8	710				3.9	610				0.165							20	7.6			7.4	107							4.722	0.318						
22	Sun	92	0.00	Clear	5.602	5.234	20	7.4	271	16			2.5	640				3.5	620				0.165							21	7.4			7.3	103	2.30	90.58	3.90	153.59				5.019	0.315					
23	Mon	68	0.00	Clear	5.903	5.187	18	7.6	317	19	366	259	1.9	660	194	3,410	13	3.1	650	209	3,110	12	0.165	5,660	15	32.18	4.38	9,400	8,375	11	19	7.7			7.4	124	2.00	83.72	3.60	150.69			44.1	4.844	0.303				
24	Tue	70	0.00	Clear	5.669	5.059	19	7.4	260	18	354	329	2.8	650	215	3,030	12	3.8	680	218	3,120	12	0.165	4,750	15	31.86	4.34				19	7.8			7.4	122	2.20	87.81	3.60	143.69				4.786	0.312				
25	Wed	87	0.00	Clear	5.607	5.001	19	7.4	272	27	650	391	1.8	640	202	3,170	7	2.6	660	204	3,230	7	0.165	5,990	15	29.87	4.06	11,325	8,575	24	21	7.5			7.3	110	2.00	78.93	3.20	126.29				4.732	0.310				
26	Thu	88	0.00	Clear	5.536	4.915	20	7.3	260	20	290	308	1.7	690	220	3,130	16	2.7	650	199	3,260	16	0.165	5,640	15	31.67	4.31				21	7.2			7.3	107	2.00	78.10	3.90	152.29				4.682	0.306				
27	Fri	74	0.00	Cloudy	5.964	4.779	19	7.2	291	19	278	311	1.6	570	178	3,200	15	2.7	600	186	3,230	16	0.165	5,720	16	30.40	4.41	11,200	8,450	25	20	7.5			7.3	104							5.050	0.304					
28	Sat	64	0.00	Clear	5.693	4.725	18	7.3	289	30			3.3	760				4.2	780				0.165							18	8.0			7.3	114							4.844	0.303						
29	Sun	80	0.00	P Cloudy	5.480	4.563	18	7.3	288	15			3.3	750				4.0	680				0.165							19	8.2			7.3	102	3.30	126.60	3.90	149.62				4.600	0.309					
30	Mon	83	0.00	Clear	5.639	4.671	20	7.3	260	17	276	268	1.3	630	166	3,790	19	2.2	630	163	3,860	20	0.165	6,800	15	30.90	4.20	4,525	8,525		21	7.3			7.3	112	3.00	121.15	4.20	169.61			14.4	4.842	0.293				
31	Tue	84	0.00	P Cloudy	5.769	4.919	20	7.0	255	14	354	272	1.1	720	201	3,590	14	2.1	690	190	3,630	14	0.165	6,070	16	31.06	4.51				21	6.9			7.3	123	2.60	104.80	3.80	153.17				4.833	0.330				
TOTAL :			1.93		191.151																		5.115			383.66	51.62																	39.1		168.277	9.800		
MIN :	38	0.00			5.197	4.160	17	7.0	168	2	163	186	1.1		166	2,270	7	2.1		163	2,790	7	0.165	4,590	14	30.00					17	5.0			7.0	77	2.00		2.00				14.4	0	4.600	0.278			
MAX :	93	0.98			10.899	7.755	20	7.7	317	30	650	391	4.4		264	3,790	27	5.3		247	3,860	27																											