



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

		WEATHER			INFLUENT							EAST OXIDATION DITCH					WEST OXIDATION DITCH					SLUDGE WASTING					DIGESTER			FINAL EFFLUENT																				
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)	NOTES		
1	Sat	63	0.00	Clear	5.669	5.823	18	7.4	281	36			3.4	430				3.8	450				0.115									18	8.4			7.4	100							0.06	0	4.509	0.159	Electrical Usage :	41,447	
2	Sun	63	0.00	Clear	5.720	5.804	17	7.4	272	5			3.1	430				3.7	450				0.115									16	8.4			7.3	90	2.00	74.43	2.60	96.75				0.06	0	4.462	0.162	Labor :	72,162
3	Mon	64	0.00	Cloudy	5.922	5.629	17	7.4	277	27	344	313	2.3	490	138	3,550	14	2.2	470	124	3,790	15	0.115	5,890				16,575	13,150	21	17	8.1			7.2	101	2.00	80.23	2.80	112.32			83.9	0.06	0	4.810	0.161	Natural Gas :	564	
4	Tue	65	2.39	Cloudy	5.538	5.869	18	7.6	234	28	394	320	1.1	490	128	3,840	14	1.7	480	114	4,200	15	0.115	7,350	15	15.69	2.14				17	7.6	547	21,898	7.2	105	5.10	204.16	5.60	224.18	0.00005	0.0020		0.06	0	4.800	0.159	Communications:	706	
5	Wed	53	0.00	Clear	11.799	8.666	18	7.5	241	6	676	223	2.5	400	90	4,430	4	3.0	440	96	4,590	5	0.115	8,320	15	40.72	5.54	16,275	13,275	18	17	8.3			7.2	110	2.70	230.83	2.20	188.09				0.06	0	10.251	0.175	Chemical, Laboratory	14,127	
6	Thu	61	0.00	Clear	8.214	5.265	16	7.4	251	8	374	196	2.3	400	95	4,220	11	3.8	410	94	4,370	11	0.115	8,920	15	38.29	5.21				17	8.4			7.3	118	2.00	114.22	2.40	137.07				0.06	0	6.848	0.167	Supplies & Services :		
7	Fri	77	0.00	Clear	7.299	6.189	17	7.4	257	17	502	227	2.0	350	96	3,640	8	3.2	410	100	4,090	9	0.115	11,190	14	41.47	5.27				17	8.1			7.3	122							0.06	0	6.489	0.180	Repairs, Maintenance,	84,485		
8	Sat	46	0.00	P Cloudy	6.780	8.652	15	7.4	280	15			3.6	440				4.4	500				0.115									17	9.5			7.3	108							0.06	0	5.595	0.021	Services & Admin. :		
9	Sun	63	0.00	P Cloudy	6.165	8.626	16	7.3	279	25			3.7	420				4.3	500				0.115									16	9.1			7.2	97	2.00	87.82	2.00	87.82				0.06	0	5.265	0.168	Sludge (Generation &	21,484
10	Mon	78	0.00	Clear	6.672	8.738	17	7.5	293	19	386	256	0.8	450	113	3,990	12	2.9	500	120	4,150	13	0.115	6,690	15	35.23	4.79	14,775	16,550		17	8.6			7.3	104	2.00	88.12	2.00	88.12			3.1	0.06	0	5.283	0.158	Transportation) :		
11	Tue	83	0.00	Clear	6.377	8.698	17	7.4	275	22	586	297	2.5	420	98	4,290	9	3.0	430	98	4,410	9	0.115	6,860	14	40.83	5.19				19	8.2			7.3	110	2.00	87.22	2.00	87.22				0.06	0	5.229	0.160	TOTAL COSTS :	234,974	
12	Wed	82	0.00	P Cloudy	6.114	8.599	17	7.5	273	22	266	240	1.5	420	91	4,640	23	1.9	480	108	4,430	22	0.115	6,770	14	31.88	4.05	12,550	12,400	1	18	7.8			7.3	103	2.00	84.17	2.00	84.17				0.06	0	5.046	0.160	COSTS - 1,000 GAL.	1.52	
13	Thu	83	0.00	Clear	5.997	8.611	19	7.4	266	13	102	155	2.0	440	87	5,060	66	2.2	510	117	4,360	57	0.115	7,970	14	32.63	4.14				19	7.8			7.3	98	2.00	81.38	2.00	81.38				0.06	0	4.879	0.183	TREATED :		
14	Fri	78	0.00	P Cloudy	5.899	8.788	18	7.4	273	11	158	211	1.9	420	79	5,340	46	2.7	400	50	7,960	68	0.115	8,690	14	19.58	2.49	14,625	15,700		19	7.7			7.4	95							0.06	0	4.763	0.192	Non-Potable Water	4,973		
15	Sat	67	0.00	Cloudy	5.827	8.924	18	7.5	273	21			2.2	480				3.1	490				0.115									18	7.8			7.4	105							0.06	0	4.793	0.190	Use Savings :		
16	Sun	64	0.00	Clear	5.546	8.761	17	7.5	276	14			3.2	550				3.1	480				0.115									17	8.3			7.3	100	2.00	74.38	2.00	74.38				0.06	0	4.459	0.190		
17	Mon	81	0.00	Clear	5.721	8.830	17	7.5	287	30	408	236	3.1	530	135	3,930	13	3.3	550	128	4,290	15	0.115	5,610	15	49.24	6.70	11,950	11,900		17	8.2			7.2	92	2.00	72.44	2.00	72.44			65.0	0.06	0	4.343	0.486			
18	Tue	80	0.00	Cloudy	5.628	9.154	18	7.5	289	28	540	263	2.1	550	129	4,260	11	2.6	600	144	4,160	11	0.115	5,880	15	24.98	3.40				19	8.0			7.2	95	2.00	77.61	2.00	77.61				0.06	0	4.653	0.181			
19	Wed	71	0.00	Clear	5.628	8.797	18	7.4	283	26	418	264	1.5	600	144	4,160	14	1.9	630	147	4,300	15	0.115	5,770	15	22.88	3.11	12,150	12,425		18	7.9			7.3	102	2.00	79.20	2.00	79.20				0.06	0	4.748	0.192			
20	Thu	57	0.00	Clear	5.340	5.299	17	7.4	284	27	542	243	3.2	600	137	4,370	12	3.5	630	145	4,350	12	0.115	7,300	15	44.85	6.10				16	8.2			7.3	110	2.00	72.07	2.40	86.49				0.06	0	4.321	0.201			
21	Fri	71	0.00	Clear	5.431	5.348	17	7.4	273	26	254	329	3.2	620	152	4,090	24	3.6	570	134	4,240	25	0.115	5,890	15	34.90	4.75	13,924	10,825	22	17	8.2			7.2	94							0.06	0	4.154	0.205				
22	Sat	76	0.00	Clear	5.097	5.468	19	7.4	278	29			3.3	570				3.5	540				0.115									19	8.2			7.3	91							0.06	0	3.985	0.201			
23	Sun	71	0.00	Cloudy	5.277	5.522	20	7.5	277	30			2.5	580				2.8	550				0.115									19	7.5			7.2	88	2.00	73.06	2.00	73.06				0.06	0	4.380	0.209		
24	Mon	76	0.00	Clear	5.725	5.357	17	7.5	292	24	436	278	0.6	670	162	4,130	13	0.9	650	163	4,000	13	0.115	7,190	14	27.37	3.48	14,175	12,750	10	18	7.0			7.2	95	2.00	75.58	2.00	75.58			25.9	0.06	0	4.531	0.220			
25	Tue	76	0.00	Cloudy	5.306	5.318	18	7.4	285	28	708	273	2.6	640	156	4,090	9	2.7	640	157	4,070	9	0.115	6,420	15	15.32	2.08				18	7.9			7.2	88	2.00	68.75	2.00	68.75				0.06	0	4.122	0.208			
26	Wed	81	0.00	Clear	5.325	5.403	18	7.4	278	31	606	245	1.9	640	160	4,000	10	1.9	690	171	4,030	10	0.115	6,080	15	37.36	5.08	14,000	13,025	7	19	7.8			7.2	84														