



MONTHLY OPERATIONAL REPORT
City of Broken Arrow Lynn Lane Water Reclamation Facility
July-23

		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. Sett.	SVI (ml/gm)	MLSS (mg/L)	Sl. Age (Days)	D.O. (mg/L)	30 Min. Sett.	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	Sat	91	0.01	Rainy	5.366	6.243	24	7.4	248	22			0.4	250				1.5	250					0.000								24	6.9			7.4	161							0.04	130	4.869	0.000	Electrical Usage :	44,472				
2	Sun	93	0.00	Clear	4.768	6.176	23	7.4	277	22			0.2	240				1.0	260					0.000								24	7.0	536	21,649	7.4	156	2.90	117.13	5.00	201.95	0.00005	0.0020		0.04	130	4.843	0.000	Labor :	29,401			
3	Mon	95	0.19	Cloudy	5.094	6.181	24	7.4	234	20	278	250	0.3	270	89	3,030	17	1.0	290	100	2,910	16	0.150	4,720	17	15.85	2.61	17,375	10,200	41	24	7.1			7.4	167	4.10	167.65	4.00	163.56				0.04	130	4.903	0.000	Natural Gas :	160				
4	Tue	94	0.01	Clear	5.261	6.402	23	7.4	263	35	110	155	0.2	260				1.8	270				0.150								24	7.2			7.4	168	4.20	171.67	5.00	204.37				0.04	130	4.901	0.000	Chemical, Laboratory	7,952				
5	Wed	83	0.10	Cloudy	4.772	6.379	23	7.4	251	9	418	380	0.2	270	94	2,860	11	1.0	290	92	3,140	13	0.150	4,880	17	31.45	5.19	16,100	11,225	30	24	7.2			7.5	174	4.00	155.49	5.00	194.36			1.0	0.04	130	4.661	0.000	Supplies & Services :					
6	Thu	85	0.49	Cloudy	4.979	6.323	23	7.5	244	23	262	260	0.2	280	88	3,190	20	0.7	290	95	3,060	19	0.150	4,930								23	7.4			7.3	178	4.60	186.03	5.00	202.20			1.0	0.04	130	4.849	0.000	Repairs, Maintenance,	19,414			
7	Fri	83	0.01	Cloudy	5.543	6.621	23	7.3	244	7	186	129	0.2	300	88	3,390	26	0.6	300	88	3,420	27	0.150	5,060	16	34.62	5.37	14,700	11,000	25	24	7.2			7.4	162							0.04	130	4.811	0.000	Services & Admin. :						
8	Sat	88	0.15	Clear	5.270	6.421	22	7.2	182	0			0.2	220				1.2	280				0.150								23	7.2			7.5	176							0.04	130	5.078	0.000	Sludge (Generation &	14,558					
9	Sun	85	0.39	Cloudy	5.648	6.342	22	7.4	246	11			0.3					1.4	280				0.150								23	7.2			7.5	160	5.00	222.72	9.00	400.90				0.04	130	5.341	0.000	Transportation) :					
10	Mon	90	0.00	Clear	6.039	6.447	23	7.4	236	16	230	199						0.3	130	113	1,150	7	0.150	2,070	14	13.16	1.79	13,400	10,600	21	23	5.5			7.5	207	6.00	280.72	8.00	374.30			2.0	0.04	130	5.610	0.000	TOTAL COSTS :	115,957				
11	Tue	87	0.00	Clear	5.443	6.450	23	7.3	239	18	241	241						0.4	140	95	1,470	9	0.150	2,150							24	6.7			7.5	243	14.70	637.14	25.00	1083.57			6.1	0.04	130	5.197	0.000	COSTS - 1,000 GAL.	0.73				
12	Wed	95	0.00	Clear	4.994	6.758	23	7.3	246	19	204	223						0.2	100	54	1,850	15	0.150	2,780	16	15.02	2.33	7,525	9,925		25	6.2			7.5	255	29.00	1172.05	38.00	1535.79				0.04	130	4.846	0.000	TREATED :					
13	Thu	95	0.00	Clear	5.079	6.591	23	7.3	233	19	228	227						0.2	140	80	1,750	12	0.150	2,760	16	30.59	4.75				25	5.5			7.4	264	46.40	1896.18	82.00	3351.01				0.04	180	4.900	0.000	Non-Potable Water	0				
14	Fri	93	0.09	Cloudy	5.100	6.623	23	7.4	253	18	168	224						0.3	150				0.150								23	5.9			7.4	264							0.04	180	4.966	0.000	Use Savings :						
15	Sat	90	0.45	Cloudy	4.584	4.712	23	7.4	247	17								0.8	140				0.150								23	6.1			7.5	230							0.04	175	3.899	0.000							
16	Sun	93	0.01	Cloudy	5.195	6.337	22	7.5	267	14								1.1	150				0.150								24	6.6			7.5	267	13.20	557.49	18.00	760.21			0.04	180	5.064	0.000							
17	Mon	91	0.00	Clear	5.148	6.182	23	7.4	268	17	220	254						0.8	300	118	2,540	18	0.150	4,180	15	15.41	2.24		10,100		24	7.0			7.5	210	12.20	505.59	20.00	828.83			4.1	0.04	170	4.969	0.000						
18	Tue	100	0.00	P Cloudy	5.025	6.206	23	7.4	255	19	214	244						0.7	440	174	2,530	19	0.150	3,840	15	31.00	4.51				24	7.0			7.5	215	9.70	390.82	9.00	362.61			7.3	0.04	160	4.831	0.000						
19	Wed	98	0.00	Clear	4.998	4.013	24	7.4	253	24	302	256						0.8	580	222	2,610	14	0.150	4,620	12	16.97	1.98	13,650	11,225	18	25	7.0			7.6	224	10.40	421.97	10.00	405.74				0.04	140	4.865	0.000						
20	Thu	97	0.00	Cloudy	5.665	3.985	24	7.4	276	18	210	215						0.9	600	225	2,670	18	0.150	5,320	15	29.46	4.29				25	7.0			7.6	251	20.80	931.72	13.00	582.32				0.04	130	5.371	0.000	07-14	West Oxidation Ditch completely operable.				
21	Fri	82	1.03	Cloudy	10.892	4.048	23	7.4	247	15	202	271						0.5	490	201	2,440	9	0.150	4,720	15	24.48	3.56	16,550			24	7.0			7.7	260							0.04	120	10.068	0.000	07-26	Chlorinate the Return Activated Sludge					
22	Sat	89	0.00	Clear	6.465	8.801	23	7.5	269	16								1.4	410				0.150								24	7.1			7.6	214							0.04	120	5.828	0.000							
23	Sun	93	0.00	Clear	4.969	6.751	24	7.4	271	20								1.0	540				0.150								24	7.1			7.6	226	9.20	370.29	16.00	643.98				0.04	100	4.826	0.000						
24	Mon	95	0.00	Clear	5.093	6.841	24	7.3	245	18	250	264						0.3	400	222	1,800	11	0.150	3,220	15	13.93	2.03	12,900	11,000	15	24	7.2			7.5	249	17.50	715.88	16.00	654.52			1.0	0.04	100	4.905	0.000						
25	Tue	99	0.00	Clear	5.130	6.742	24	7.3	244	24	264	223						0.2	490	163	3,000	18	0.150	2,950	14	30.64	4.16				24	7.7			7.8	236	20.00	824.16	19.00	782.95		248.9	0.04	100	4.941	0.000							
26	Wed	99	0.00	Clear	5.047	6.144	24	7.3	246	22	292	255						0.4	570	179	3,180	17	0.150	4,690	15	26.78	3.90	18,150	8,625	52	25	7.0			7.6	229	7.00	293.01	11.00	460.44				0.04	100	5.019	0.000	PARTIAL WEEKLY AVG.NO.'s					
27	Thu	99	0.00	Clear	4.957	6.078	24	7.4	250	20	250	249						0.6	740	235	3,150	20	0.150	4,700	15	12.50	1.82				25	7.0			7.6	234	5.90	232.94	8.00	315.85													