CITY OF BROKEN ARROW
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MONTHLY OPERATIONAL REPORT

City of Broken Arrow Lynn Lane Water Reclamation Facility
February-26

		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. Settl.	SVI (ml/gm)	MLSS (mg/L)	Sl. Age (Days)	D.O. (mg/L)	30 Min. Settl.	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	Sun	48	0.00	Clear	6.076	4.576	17	7.5	254	18			4.4	490				5.6	530				0.170								16	8.8			7.2	70	3.10	135.45	3.10	135.45						5.239	0.320	Electrical Usage : 48,528
2	Mon	67	0.00	Clear	6.232	4.647	16	7.4	250	18	386	254	2.5	550	182	3,020	10	3.4	550	178	3,090	10	0.170	6,100	15	41.95	5.71	16,650	13,350	20	16	8.4			7.1	79	2.60	117.05	2.90	130.56						5.398	0.320	Labor : 73,740
3	Tue	54	0.00	Clear	5.575	4.575	17	7.5	248	17	300	252	4.0	570	184	3,090	15	5.0	600	208	2,890	14	0.170	5,100	16	51.10	7.42				17	8.4	554	22,173	7.2	83	2.00	80.05	3.10	124.07			35.0			4.799	0.312	Natural Gas : 869
4	Wed	47	0.00	Cloudy	6.094	4.825	17	7.5	251	16	652	255	4.1	500	165	3,030	6	5.2	500	163	3,060	6	0.170	5,590	15	35.30	4.80	14,225	13,300	7	16	8.4			7.2	83	2.00	87.42	3.20	139.87						5.241	0.330	Communications: 620
5	Thu	69	0.00	Clear	5.443	4.595	16	7.5	257	18	328	273	4.5	530	172	3,080	14	5.3	600	185	3,240	15	0.170	5,020	15	36.73	5.00				16	8.6			7.1	74	3.20	124.15	2.80	108.63						4.652	0.322	Chemical, Laboratory 13,356
6	Fri	68	0.00	Clear	5.525	5.213	17	7.5	259	15	378	251	4.1	550	173	3,180	12	4.9	570	135	4,230	16	0.170	4,490				13,425	12,200	9	17	8.4			7.1	76										4.710	0.332	Supplies & Services :
7	Sat	64	0.00	Clear	5.311	5.083	17	7.4	265	19			4.0	540				4.9	550				0.170								18	8.6			7.1	74										3.262	0.316	Repairs, Maintenance, 136,286
8	Sun	70	0.00	Cloudy	5.440	5.265	18	7.5	272	20			3.5	500				4.6	530				0.170								18	8.3			7.2	74	3.90	151.18	4.10	158.93						4.648	0.315	Services & Admin. :
9	Mon	79	0.00	Clear	5.539	4.843	17	7.4	253	18	240	210	2.7	580	187	3,100	19	3.7	590	190	3,100	19	0.160	5,570	14	40.26	5.11	12,475	12,850		17	7.8			7.2	90	3.40	135.68	3.80	151.65			6.3			4.785	0.302	Sludge (Generation & 29,975
10	Tue	74	0.00	P Cloudy	5.696	4.919	18	7.4	253	20	290	266	2.8	540	176	3,060	15	4.0	470	153	3,070	15	0.160	5,270	15	38.31	5.21				19	7.7			7.3	102	3.50	142.68	3.70	150.83	0.00005	0.0020				4.888	0.326	Transportation) :
11	Wed	61	0.00	Clear	5.471	4.856	17	7.4	259	17	338	246	3.6	530	175	3,030	13	4.7	500	167	2,990	13	0.165	4,380	15	32.32	4.40	11,925	12,175		18	8.2			7.3	99	2.00	77.16	3.60	138.89						4.626	0.314	TOTAL COSTS : 303,374
12	Thu	65	0.00	Clear	5.379	4.843	17	7.4	275	17	422	291	3.6	590	191	3,090	11	4.7	610	215	2,840	10	0.165	4,950	15	17.82	2.42				18	8.2			7.2	91	3.80	145.81	4.10	157.33						4.601	0.312	COSTS - 1,000 GAL. 2.31
13	Fri	71	0.00	Clear	5.245	4.856	18	7.5	277	18	326	264	3.9	540	177	3,050	14	4.7	520	179	2,900	14	0.165	4,720	13	32.93	3.88	11,250	12,150		18	8.2			7.1	88										4.450	0.309	TREATED :
14	Sat	62	0.09	Rain	5.207	4.962	19	7.4	286	21			2.4	580				3.4	600				0.165								19	7.8			7.3	88										4.427	0.297	Non-Potable Water 7,385
15	Sun	67	0.00	Cloudy	5.348	4.820	18	7.5	269	18			2.3	500				3.3	560				0.165								18	7.9			7.2	88	3.80	146.29	4.40	169.39						4.616	0.307	Use Savings :
16	Mon	71	0.00	P Cloudy	5.726	4.814	18	7.5	270	24	264	291	2.6	580	201	2,890	15	4.1	570	201	2,830	15	0.165	4,670	15	37.19	5.06	10,225	10,300		18	7.8			7.3	98	3.20	131.68	3.90	160.48						4.934	0.325	
17	Tue	70	0.00	Cloudy	5.751	4.830	18	7.5	273	18	552	267	1.6	530	173	3,060	8	2.5	560	182	3,070	8	0.165	5,460	14	36.53	4.64				19	7.5			7.3	116	2.00	83.13	2.80	116.39			251.0			4.984	0.318	
18	Wed	76	0.00	Clear	5.456	4.820	18	7.5	270	18	304	261	3.0	620	199	3,110	15	3.9	600	199	3,020	15	0.165	4,440	15	48.33	6.58	11,425	11,275	1	19	8.0			7.3	106	2.00	79.00	2.60	102.70						4.736	0.310	
19	Thu	70	0.00	Clear	5.317	4.640	18	7.4	274	19	296	277	3.1	530	183	2,890	15	4.3	580	205	2,830	14	0.165	4,660	14	37.17	4.72				20	7.8			7.2	99	3.40	130.01	2.70	103.25						4.585	0.321	
20	Fri	49	0.00	Clear	5.357	4.501	17	7.5	273	20	326	350	3.9	620	199	3,120	14	5.0	600	205	2,930	13	0.165	4,695	14	31.21	3.96	10,650	10,650		17	8.4			7.1	91										4.667	0.322	
21	Sat	50	0.00	Clear	5.115	4.569	18	7.5	298	27			3.7	570				4.9	640				0.165								18	8.5			7.2	92										4.484	0.300	
22	Sun	48	0.00	Clear	5.184	4.501	18	7.5	284	25			4.1	610				5.4	670				0.165								17	8.8			7.1	83	2.00	75.59	3.20	120.95						4.532	0.308	
23	Mon	50	0.00	Clear	5.461	4.572	17	7.4	261	22	258	304	4.3	710	246	2,890	16	5.6	700	236	2,970	17	0.165	4,630	14	36.45	4.63	10,475	9,350	11	17	8.7			7.2	80	2.00	80.11	3.20	128.18			14.6			4.803	0.322	
24	Tue	69	0.00	P Cloudy	5.355	5.148	17	7.4	265	21	376	334	3.8	620	203	3,060	12	4.8	610	187	3,260	13	0.165	5,300	14	40.65	5.16				17	8.5			7.2	84	2.00	78.63	2.00	78.63						4.714	0.298	
25	Wed	72	0.00	Clear	5.224	4.304	18	7.4	269	18	420	284	3.7	600	193	3,110	11	4.8	620	210	2,950	11	0.165	4,910	14	33.18	4.21	11,425	10,225	11	18	8.1			7.2	85	2.00	76.78	2.00	76.78						4.603	0.314	
26	Thu	73	0.00	Clear	5.242	4.396	18	7.4	266	19	686	338	2.9	560	184	3,040	7	3.8	560	194	2,890	6	0.165	5,080	14	38.48	4.89				19	7.9			7.1	83	2.00	77.86	2.00	77.86						4.668	0.321	
27	Fri	81	0.00	Clear	5.206	4.284	17	7.4	272	17	340	319	2.9	620	204	3,040	14	3.9	610	203	3,010	14	0.165	5,140	14	33.13	4.21	10,875	10,000	8	19	8.0			7.1	82										4.659	0.316	
28	Sat	77	0.01	Clear	5.282	4.423	18	7.4	294	18			3.8	600				4.7	620				0.165								19	8.2			7.1	80										4.690	0.325	
TOTAL :			0.10		153.257																		4.650			699.04	92.02																	30.0			131.401	8.834	
MIN :		47	0.00		5.115	4.284	16	7.4	248	15	240	210	1.6		165	2,890	6	2.5		135	2,830	6	0.160	4,380	13	93				1	16	7.5			7.1	70	2.00		2.00				6.3			3.262	0.297	
MAX :		81	0.09		6.232	5.265	19	7.5	298	27	686	350	4.5		246	3,180	19	5.6		236	4,230	19	0.170	6,100	16	51.10	7.42			20	20	8.8	554		7.3	116	3.32		3.86		0.05000		251.0			5.398	0.332	
AVG :		65			5.473	4.739	17			19	374	279			188	3,047				190	3,059		0.166	5,009	14	36.79	4.84			9			554	22,173			2.70	107.79	3.16	126.54	0.05000	0.0020				4.693	0.316	

PARTIAL WEEKLY AVG.NO.'s				
Date	Week No.		TSS	BOD
TSS	2.58	3.32	2.88	2.00
BOD	3.02	3.86	3.28	2.48

I hereby certify the above to be correct to the best of my knowledge.

Signed : David Hawley

Title : Lynn Lane Water Reclamation Facility Manager (WRF)