

City of Logan
Monthly Operational Report
WASTEWATER TREATMENT FACILITY

Jim Harps Permits & Analysis Manager

May 2010

Name		Title		Month		Year																											
Date	Lagoons - Hdworks Influent		Lagoons - Eff		Wetlands - 002 Effluent		Depth of Water in Cells (ft)							Analytical Results - Wetlands - 002							001A				001B								
	Rate (MGD)	TEMP (°F)	Rate (MGD)	Rate (MGD)	Rate (MGD)	TEMP (°F)	A1	A2	B1	B2	C	D	E	BOD ₅ (mg/L)	TSS (mg/L)	pH	Copper (ug/L)	Lead (ug/L)	DO (mg/L)	NH ₃ (mg/L)	Total P (mg/L)	O & G (mg/L)	BOD ₅ (mg/L)	TSS (mg/L)	pH	E-Coli		BOD ₅ (mg/L)	TSS (mg/L)	pH	E-Coli		
1	10.4	59.5	7.79	ND	14.0	48.3	6.0	6.0	6.7	6.7	5.9	6.9	5.9			8.6			8.0						8.6			ND	ND	ND	ND		
2	10.6	56.9	7.80	ND	13.8	52.5	6.0	6.0	6.7	6.7	5.9	6.9	5.9			8.8			8.9						8.8			ND	ND	ND	ND		
3	11.1	58.2	7.70	ND	13.4	54.8	6.0	6.0	6.7	6.7	5.9	6.9	5.9			8.7			12.8						8.5			ND	ND	ND	ND		
4	10.8	58.6	7.75	ND	12.6	57.7	6.0	6.0	6.7	6.7	5.9	6.9	5.9			8.4			12.5						8.3			ND	ND	ND	ND		
5	10.9	55.5	7.96	ND	11.9	47.1	6.0	6.0	6.7	6.7	5.9	6.9	5.9	11.0	33.0	7.9	3.4	0.3	7.1	0.2	2.7			13	10	8.5	2, 3	ND	ND	ND	ND		
6	10.5	60.4	7.86	ND	11.4	50.8	6.0	6.0	6.7	6.7	5.9	6.9	5.9			8.2			18.5						8.1			ND	ND	ND	ND		
7	10.1	57.3	7.66	ND	11.0	54.1	6.0	6.0	6.7	6.7	5.9	6.9	5.9			8.5			15.7						8.1			ND	ND	ND	ND		
8	9.9	56.2	7.49	ND	10.7	51.4	6.0	6.0	6.7	6.7	5.9	6.9	5.9			8.1			7.5						8.4			ND	ND	ND	ND		
9	9.2	58.0	7.36	ND	10.5	57.8	6.0	6.0	6.7	6.7	5.9	6.9	5.9			7.6			8.0						7.6			ND	ND	ND	ND		
10	10.0	57.9	7.27	ND	10.2	60.5	6.0	6.0	6.7	6.7	5.9	6.9	5.9			8.3			15.9						8.8			ND	ND	ND	ND		
11	11.2	56.6	7.67	ND	10.0	53.5	6.0	6.0	6.7	6.7	5.9	6.9	5.9			8.0			8.2						8.2			ND	ND	ND	ND		
12	11.5	56.3	7.74	ND	9.8	56.0	6.0	6.0	6.7	6.7	5.9	6.9	5.9	7.0	25.0	7.9			5.6	0.2	3.8				18	8.8	1, 2	ND	ND	ND	ND		
13	10.8	61.3	7.64	ND	5.7	60.1	6.0	6.0	6.7	6.7	5.9	6.9	5.9			8.3			5.5						8.5			ND	ND	ND	ND		
14	10.2	57.6	7.25	ND	6.6	61.4	6.0	6.0	6.7	6.7	5.9	6.9	5.9			8.1			5.4						8.8			ND	ND	ND	ND		
15	10.5	57.7	7.40	ND	9.6	62.2	6.0	6.0	6.7	6.7	5.9	6.9	5.9			8.0			5.3						8.8			ND	ND	ND	ND		
16	10.5	59.3	7.38	ND	8.1	60.5	6.0	6.0	6.7	6.7	5.9	6.9	5.9			7.7			6.8						8.8			ND	ND	ND	ND		
17	11.6	59.4	7.35	ND	7.2	79.0	6.0	6.0	6.7	6.7	5.9	6.9	5.9			7.8			6.9						8.8			ND	ND	ND	ND		
18	12.3	58.0	7.61	ND	6.1	59.9	6.0	6.0	6.7	6.7	5.9	6.9	5.9			7.7			8.1						8.8			ND	ND	ND	ND		
19	12.2	57.5	7.66	ND	4.7	62.2	6.0	6.0	6.7	6.7	5.9	6.9	5.9	2.5	4.0	7.7			7.7	0.2	4.0				16	8.6	11, 11	ND	ND	ND	ND		
20	12.6	58.3	7.78	ND	4.0	67.4	6.0	6.0	6.7	6.7	5.9	6.9	5.9			7.8			7.2						8.6			ND	ND	ND	ND		
21	12.4	58.5	7.98	ND	5.3	69.2	6.0	6.0	6.7	6.7	5.9	6.9	5.9			7.9			7.6						8.8			ND	ND	ND	ND		
22	13.7	57.9	8.43	ND	7.1	60.2	6.0	6.0	6.7	6.7	5.9	6.9	5.9			7.9			7.4						8.8			ND	ND	ND	ND		
23	12.6	57.7	8.55	ND	5.9	59.7	6.0	6.0	6.7	6.7	5.9	6.9	5.9			7.9			8.7						8.5			ND	ND	ND	ND		
24	15.1	56.9	9.01	ND	5.0	62.1	6.0	6.0	6.7	6.7	5.9	6.9	5.9			7.9			7.6						9.0			ND	ND	ND	ND		
25	14.1	57.5	9.05	ND	4.2	61.7	6.0	6.0	6.7	6.7	5.9	6.9	5.9			7.8			7.5						9.0			ND	ND	ND	ND		
26	14.0	57.5	9.34	ND	2.2	59.8	6.0	6.0	6.7	6.7	5.9	6.9	5.9	2.5	2.0	7.8			8.1	0.6	3.1				8	8.8	5, 4	ND	ND	ND	ND		
27	13.7	61.3	9.35	ND	4.8	60.1	6.0	6.0	6.7	6.7	5.9	6.9	5.9			7.9			8.0						8.6			ND	ND	ND	ND		
28	13.2	57.1	9.61	ND	5.4	57.4	6.0	6.0	6.7	6.7	5.9	6.9	5.9			7.8			8.4						8.3			ND	ND	ND	ND		
29	12.9	57.6	9.73	ND	5.8	56.6	6.0	6.0	6.7	6.7	5.9	6.9	5.9			7.8			8.4						8.2			ND	ND	ND	ND		
30	12.0	56.8	9.76	ND	4.9	56.6	6.0	6.0	6.7	6.7	5.9	6.9	5.9			7.8			8.3						8.0			ND	ND	ND	ND		
31	12.5	58.3	9.63	ND	4.1	58.7	6.0	6.0	6.7	6.7	5.9	6.9	5.9			7.8			8.1						8.0			ND	ND	ND	ND		
Ave	11.7	57.7	8.1	ND	7.9	58.7	6.0	6.0	6.7	6.7	5.9	6.9	5.9	5.8	16.0	8.0	3.4	0.3	8.7	0.3	3.4	0.0		13.0	13.0	8.5	3.6					30 D GM	
Max	15.1	61.3	9.8	ND	14.0	79.0	6.0	6.0	6.7	6.7	5.9	6.9	5.9	11.0	33.0	8.8	3.4	0.3	18.5	0.6	4.0	0.0		13.0	18.0	9.0	11					7 D GM Max	
Min	9.2	50.4	7.2	ND	2.2	47.1	6.0	6.0	6.7	6.7	5.9	6.9	5.9	2.5	2.0	7.6	3.4	0.3	5.3	0.2	2.7	0.0		13.0	8.0	7.6							

ND = No Discharge

