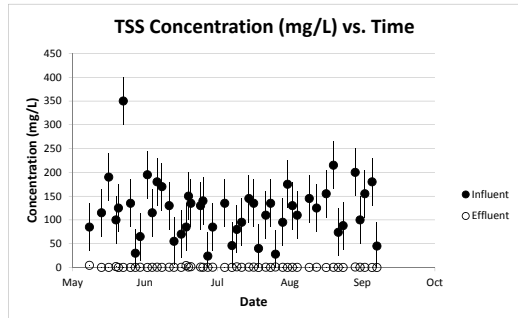
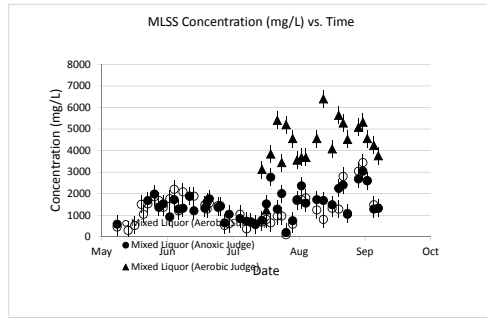
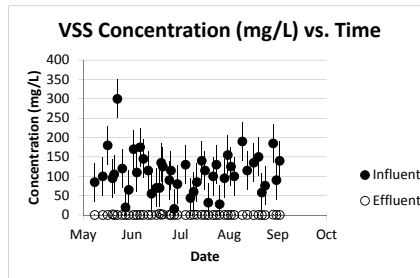
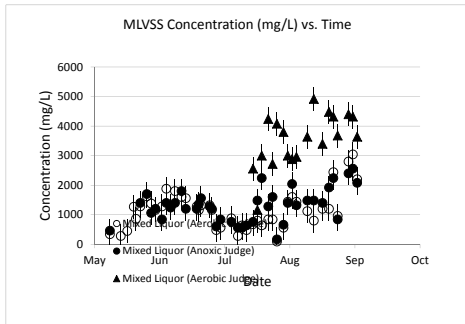


Date	Influent			Mixed Liquor (Aerobic Surface)			Effluent			Mixed Liquor (Anoxic Judge)			Mixed Liquor (Aerobic Judge)			
	Initial	Final	Value	Initial	Final	Value	Initial	Final	Value	Initial	Final	Value	Initial	Final	Value	
5/21/2010	1.2415	1.2432		85	1.2394	1.2439	450	1.2394	1.2439	4.5	1.2397	1.2455		580		
5/26/2010	1.245	1.2473		115	1.24	1.2429	290	1.2375	1.2377	0.2						
5/29/2010	1.2103	1.2141		190	1.1996	1.2048	520	1.2406	1.2408	0.2						
6/1/2010	1.2018	1.2038		100	1.2108	1.2258	1500	1.2401	1.242	1.9						
6/2/2010	1.2101	1.2126		125	1.2242	1.2294	1040	1.226	1.226	0						
6/4/2010	1.222	1.229		350	1.2368	1.2444	1520	1.1991	1.1993	0.2	1.2308	1.2392	1680			
6/7/2010	1.2226	1.2253		135	1.2359	1.2452	1860	1.2011	1.2012	0.1	1.227	1.2369	1980			
6/9/2010	1.2241	1.2247		30	1.237	1.2454	1680	1.1999	1.2002	0.3	1.2283	1.2351	1360			
6/11/2010	1.2523	1.2536		65	1.2329	1.2363	1360	1.2323	1.2328	0.5	1.2228	1.2266	1520			
6/14/2010	1.2602	1.2641		195	1.2104	1.2148	1760	1.2165	1.2166	0.1	1.24	1.2423	920			
6/16/2010	1.2622	1.2645		115	1.2115	1.217	2200	1.2186	1.219	0.4	1.2414	1.2457	1720			
6/18/2010	1.2311	1.2347		180	1.2666	1.2696	1200	1.2307	1.2313	0.6	1.2409	1.2441	1280			
6/20/2010	1.2328	1.2362		170	1.2651	1.2703	2080	1.2307	1.231	0.3	1.2402	1.2435	1320			
6/23/2010	1.2403	1.2429		130	1.2701	1.2748	1880	1.2322	1.2327	0.5	1.2469	1.2516	1880			
6/25/2010	1.2375	1.2386		55	1.2728	1.2775	1880	1.2345	1.2349	0.4	1.244	1.247	1200			
6/28/2010	1.2174	1.2188		70				2.2233	2.2236	0.3						
6/30/2010	1.2369	1.2386		85	1.2716	1.2753	1480	1.2435	1.2475	4	1.2452	1.2485	1320			
7/1/2010	1.2121	1.2151		150	1.2558	1.259	1280	1.2339	1.2348	0.9	1.2495	1.2535	1600			
7/2/2010	1.2123	1.215		135	1.2544	1.2583	1560	1.2359	1.2375	1.6	1.2467	1.2511	1760			
7/6/2010	1.2127	1.2153		130	1.2569	1.2605	1440	1.2718	1.2726	0.8	1.2361	1.2395	1360			
7/7/2010	1.2139	1.2167		140	1.2565	1.2601	1440	1.2727	1.2731	0.4	1.2365	1.24	1400			
7/9/2010	1.2134	1.2158		24	1.2536	1.2549	520	1.2735	1.2739	0.4	1.2505	1.2521	640			
7/11/2010	1.2139	1.2156		85	1.2545	1.256	600	1.2715	1.2721	0.6	1.2486	1.2512	1040			
7/16/2010	1.1863	1.189		135	1.1951	1.1977	1040	1.1924	1.1926	0.2	1.1868	1.1889	840			
7/19/2010	1.1804	1.1827		46	1.1904	1.1922	360	1.1864	1.1866	0.2	1.1824	1.1842	720			
7/21/2010	1.1795	1.1811		80	1.1917	1.1934	680	1.1874	1.1887	1.3	1.1831	1.1865	680			
7/23/2010	1.2172	1.2191		95	1.1864	1.1879	600	1.1942	1.1946	0.4	1.1969	1.1983	560			
7/26/2010	1.2173	1.2202		145	1.1877	1.1894	680	1.1929	1.1936	0.7	1.1982	1.2001	760	1.2077	1.2155	3120
7/28/2010	1.2183	1.221		135	1.1877	1.1897	800	1.1936	1.1943	0.7	1.1979	1.2017	1520	1.2086	1.2117	1240
7/30/2010	1.2207	1.2227		40	1.1863	1.1879	640	1.1934	1.1934	0	1.2001	1.207	2760	1.2088	1.2184	3840
8/2/2010	1.2198	1.222		110	1.1872	1.1896	960	1.1949	1.1955	0.6	1.2073	1.2105	1280	1.199	1.2125	5400
8/4/2010	1.1797	1.1824		135	1.1823	1.1847	960	1.2293	1.2295	0.2	1.1914	1.1964	2000	1.2074	1.216	3440
8/6/2010	1.1794	1.1808		28	1.1805	1.1823	90	1.2296	1.2306	1	1.1919	1.1958	195	1.2075	1.2205	5200
8/9/2010	1.1788	1.1807		95	1.1798	1.1827	580	1.2315	1.2319	0.4	1.1902	1.1939	740	1.2097	1.2211	4560
8/11/2010	1.1799	1.1834		175	1.1799	1.1841	1680	1.2306	1.2308	0.2	1.1906	1.1949	1720	1.211	1.2199	3560
8/13/2010	1.1788	1.1814		130	1.1802	1.1845	1720	1.2307	1.2311	0.4	1.1908	1.1967	2360	1.2072	1.2164	3680
8/15/2010	1.1802	1.1824		110	1.1818	1.1863	1800	1.2299	1.2302	0.3	1.1906	1.1945	1560	1.2066	1.2158	3680
8/20/2010	1.1801	1.183		145	1.1814	1.1845	1240	1.231	1.2312	0.2	1.1916	1.1959	1720	1.2086	1.22	4560
8/23/2010	1.1807	1.1832		125	1.1824	1.1844	800	1.2314	1.2319	0.5	1.1914	1.1956	1680	1.2089	1.2249	6400
8/27/2010	1.1807	1.1838		155	1.1805	1.1838	1320	1.232	1.232	0	1.19	1.1937	1480	1.2078	1.218	4080
8/30/2010	1.1783	1.1826		215	1.1809	1.1841	1280	1.2305	1.2309	0.4	1.1915	1.1971	2240	1.2082	1.2223	5640
9/1/2010	1.1815	1.1852		74	1.182	1.189	2800	1.2311	1.2313	0.2	1.1902	1.1962	2400	1.2095	1.2227	5280
9/3/2010	1.1818	1.1862		88	1.181	1.1837	1080	1.2291	1.2292	0.1	1.1906	1.1932	1040	1.2094	1.2207	4520
9/8/2010	1.18	1.184		200	1.1825	1.1901	3040	1.2303	1.2313	1	1.1924	1.1991	2680	1.2084	1.2211	5080
9/10/2010	1.1821	1.1841		100	1.1826	1.1912	3440	1.2317	1.2322	0.5	1.1928	1.2004	3040	1.2083	1.2216	5320
9/12/2010	1.1805	1.1836		155	1.1826	1.1891	2600	1.2319	1.2322	0.3	1.1923	1.1988	2600	1.2098	1.2212	4560
9/15/2010	1.1825	1.1861		180	1.1668	1.1705	1480	1.2155	1.2155	0	1.1765	1.1797	1280	1.1905	1.2011	4240
9/17/2010	1.2564	1.2573		45	1.2576	1.2609	1320	1.4002	1.4002	0	1.1768	1.1801	1320	1.1913	1.2007	3760
9/22/2010				120.8333333	1.21305745	1.21723191	1330.42553	1.25035	1.25095417	0.60416667						4340.95238
Mean			120.8333333				1330.42553			0.60416667			1482.2093			4340.95238
t Interval			2.011740514				2.0128956			2.01174051			2.0180817			2.08596345
Standard			58.66650548				722.898626			0.86564656			649.501918			1104.94301
Count			48				48			48			43			21
Conf. Intv			17.03497746				212.250988			0.25135756			199.887186			502.964026

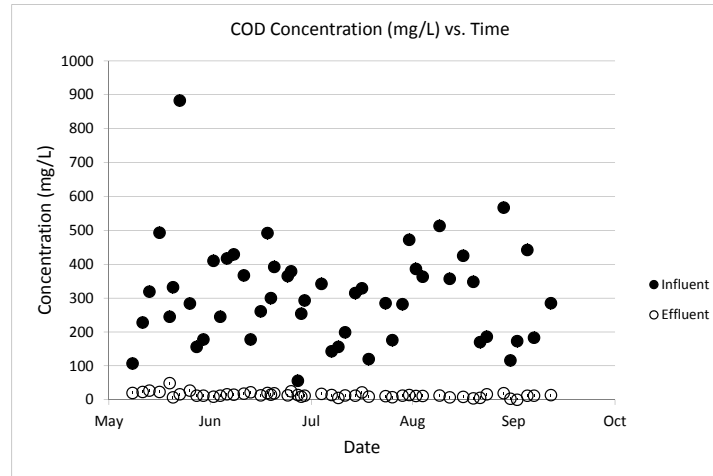


Date	Influent			Mixed Liquor (Aerobic Surface)			Effluent			Mixed Liquor (Anoxic Judge)			Mixed Liquor (Aerobic Judge)		
	Initial	Final	Value	Initial	Final	Value	Initial	Final	Value	Initial	Final	Value	Initial	Final	Value
#####	1.2432	1.2415	85	1.2439	1.2405	340	1.2492	1.2489	0.3	1.2455	1.2409	460			
#####	1.2473	1.2453	100	1.2429	1.2401	280	1.2377	1.2375	0.2						
#####	1.2141	1.2105	180	1.2048	1.2003	450	1.2408	1.2406	0.2						
#####	1.2038	1.2019	95	1.2258	1.2131	1270	1.242	1.2401	1.9						
#####	1.2126	1.2105	105	1.2294	1.2251	860	1.226	1.226	0						
#####	1.229	1.223	300	1.2444	1.238	1280	1.1993	1.1991	0.2	1.2392	1.2322	1400			
#####	1.2253	1.2229	120	1.2452	1.2371	1620	1.2012	1.2011	0.1	1.2369	1.2284	1700			
#####	1.2247	1.2243	20	1.2454	1.2385	1380	1.2002	1.1999	0.3	1.2351	1.2298	1060			
#####	1.2536	1.2523	65	1.2363	1.2334	1160	1.2328	1.2326	0.2	1.2266	1.2236	1200			
#####	1.2641	1.2607	170	1.2148	1.2116	1280	1.2166	1.2165	0.1	1.2423	1.2402	840			
#####	1.2645	1.2623	110	1.217	1.2123	1880	1.219	1.2188	0.2	1.2457	1.2422	1400			
#####	1.2347	1.2312	175	1.2696	1.2664	1280	1.2313	1.2309	0.4	1.2441	1.241	1240			
#####	1.2362	1.2333	145	1.2703	1.2658	1800	1.231	1.2307	0.3	1.2435	1.24	1400			
#####	1.2429	1.2406	115	1.2748	1.2706	1600	1.2327	1.2323	0.4	1.2516	1.2471	1800			
#####	1.2386	1.2375	55	1.2775	1.2736	1560	1.2349	1.2345	0.4	1.247	1.244	1200			
#####	2.2188	2.2174	70				2.2236	2.2233	0.3						
#####	1.2386	1.2372	70	1.2753	1.2721	1280	1.2475	1.244	3.5	1.2485	1.2455	1200			
#####	1.2151	1.2124	135	1.259	1.2561	1160	1.2348	1.2342	0.6	1.2535	1.2501	1360			
#####	1.215	1.2125	125	1.2583	1.255	1320	1.2375	1.2359	1.6	1.2511	1.2472	1560			
#####	1.2153	1.2135	90	1.2605	1.2572	1320	1.2726	1.2721	0.5	1.2395	1.2363	1280			
#####	1.2167	1.2144	115	1.2601	1.2572	1160	1.2731	1.2728	0.3	1.24	1.237	1200			
#####	1.2158	1.2142	16	1.2549	1.2537	480	1.2739	1.2735	0.4	1.2521	1.2506	600			
#####	1.2156	1.214	80	1.256	1.2546	560	1.2721	1.2716	0.5	1.2512	1.2491	840			
#####	1.1864	1.189	130	1.1955	1.1977	880	1.1924	1.1926	0.2	1.187	1.1889	760			
#####	1.1805	1.1827	44	1.1908	1.1922	280	1.1864	1.1866	0.2	1.1828	1.1842	560			
#####	1.1799	1.1811	60	1.1918	1.1934	640	1.1876	1.1887	1.1	1.1837	1.1865	560			
#####	1.2174	1.2191	85	1.1867	1.1879	480	1.1941	1.1946	0.5	1.1967	1.1983	640			
#####	1.2174	1.2202	140	1.1877	1.1894	680	1.1931	1.1936	0.5	1.1982	1.2001	760	1.2091	1.2155	2560
#####	1.2187	1.221	115	1.1877	1.1897	800	1.1939	1.1943	0.4	1.198	1.2017	1480	1.2088	1.2117	1160
#####	1.2211	1.2227	32	1.1863	1.1879	640	1.1934	1.1934	0	1.2014	1.207	2240	1.2109	1.2184	3000
#####	1.22	1.222	100	1.1875	1.1896	840	1.1953	1.1955	0.2	1.2073	1.2105	1280	1.2019	1.2125	4240
#####	1.1798	1.1824	130	1.1826	1.1847	840	1.2293	1.2295	0.2	1.1924	1.1964	1600	1.2092	1.216	2720
#####	1.1794	1.1808	28	1.1805	1.1823	90	1.2302	1.2306	0.4	1.1925	1.1958	165	1.2103	1.2205	4080
#####	1.1788	1.1807	95	1.1799	1.1827	560	1.2315	1.2319	0.4	1.1906	1.1939	660	1.2116	1.2211	3800
#####	1.1803	1.1834	155	1.1805	1.1841	1440	1.2307	1.2308	0.1	1.1914	1.1949	1400	1.2124	1.2199	3000
#####	1.1789	1.1814	125	1.1805	1.1845	1600	1.2307	1.2311	0.4	1.1916	1.1967	2040	1.2092	1.2164	2880
#####	1.1804	1.1824	100	1.1827	1.1863	1440	1.2299	1.2302	0.3	1.1912	1.1945	1320	1.2084	1.2158	2960
#####	1.1801	1.1839	190	1.1817	1.1845	1120	1.231	1.2312	0.2	1.1922	1.1959	1480	1.2109	1.22	3640
#####	1.1809	1.1832	115	1.1824	1.1844	800	1.2314	1.2319	0.5	1.1919	1.1956	1480	1.2126	1.2249	4920
#####	1.1811	1.1838	135	1.1808	1.1838	1200	1.232	1.232	0	1.1902	1.1937	1400	1.2095	1.218	3400
#####	1.1796	1.1826	150	1.1811	1.1841	1200	1.2305	1.2309	0.4	1.1923	1.1971	1920	1.2111	1.2223	4480
#####	1.1823	1.1852	58	1.1829	1.189	2440	1.2313	1.2313	0	1.1906	1.1962	2240	1.2119	1.2227	4320
#####	1.1824	1.1862	76	1.1813	1.1837	960	1.2292	1.2292	0	1.1911	1.1932	840	1.2115	1.2207	3680
#####	1.1803	1.184	185	1.1831	1.1901	2800	1.2303	1.2313	1	1.1931	1.1991	2400	1.2101	1.2211	4400
#####	1.1823	1.1841	90	1.1836	1.1912	3040	1.2319	1.2322	0.3	1.194	1.2004	2560	1.2108	1.2216	4320
#####	1.1808	1.1836	140	1.1836	1.1891	2200	1.2319	1.2322	0.3	1.1936	1.1988	2080	1.2121	1.2212	3640
#####			0			0			0						
#####			0			0			0						
#####			0			0			0						
#####			0			0			0						
Mean	109.1086957			1162			0.44565217			1307.439024			3536.84211		
t Interval	2.014103389			2.01537			2.01410339			2.02107539			2.10092204		
Standard	52.19588245			638.181			0.59055775			560.4898772			891.472269		
Count	46			45			46			41			19		
Conf. Int	15.50026377			191.731			0.175374			176.9124345			429.67588		



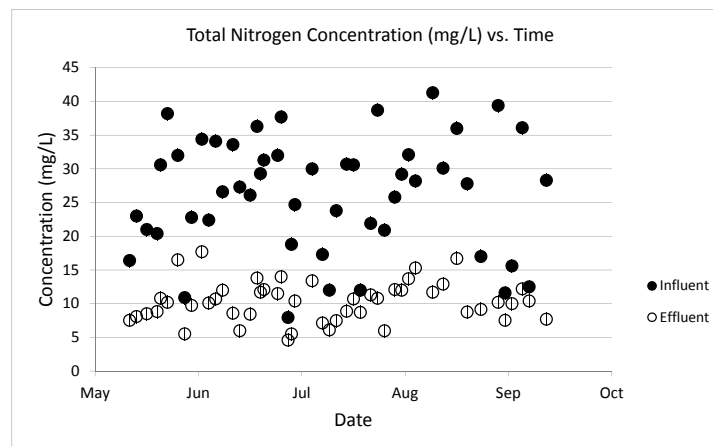
Date	Influent	Effluent
5/21/2010	107	20
5/24/2010	228	23
5/26/2010	319	27
5/29/2010	493	23
6/1/2010	245	49
6/2/2010	332	7
6/4/2010	883	16
6/7/2010	284	27
6/9/2010	156	12
6/11/2010	178	12
6/14/2010	410	9
6/16/2010	245	12
6/18/2010	417	16
6/20/2010	429	15
6/23/2010	367	18
6/25/2010	178	22
6/28/2010	261	13
6/30/2010	492	20
7/1/2010	300	15
7/2/2010	392	19
7/6/2010	365	13
7/7/2010	379	25
7/9/2010	56	14
7/10/2010	254	9
7/11/2010	293	12
7/16/2010	342	17.3
7/19/2010	143	13.9
7/21/2010	156	5.34
7/23/2010	199	12.7
7/26/2010	315	12
7/28/2010	329	21.7
7/30/2010	120	9.2
8/4/2010	285	10.5
8/6/2010	176	7.45
8/9/2010	282	12.1
8/11/2010	472	13.9
8/13/2010	386	11.1
8/15/2010	363	11.1
8/20/2010	513	12.4
8/23/2010	357	7
8/27/2010	425	8.47
8/30/2010	348	4.01
9/1/2010	170	5.54
9/3/2010	186	16
9/8/2010	567	19.3
9/10/2010	116	2.92
9/12/2010	173	0
9/15/2010	442	11.8
9/17/2010	183	11.9
9/22/2010	285	13.7

Mean	307.92	14.3866
t Interval	2.00957524	2.00957524
Standard Dev	145.689751	7.8320953
Count	50	50
Conf. Intvl.	41.4045692	2.22585686



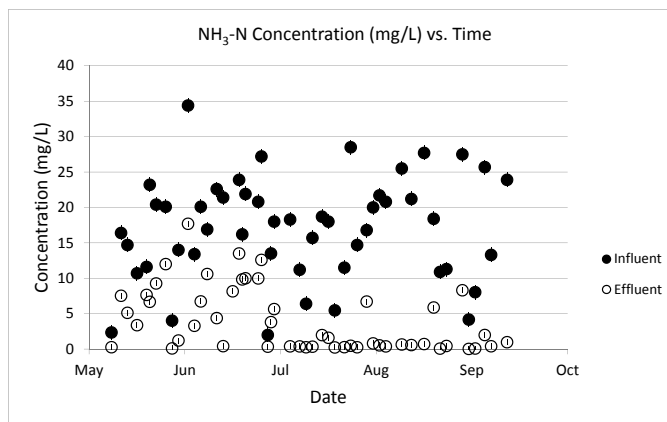
Date	Influent	Effluent
5/24/2010	16.4	7.53
5/26/2010	23	8.09
5/29/2010	21	8.51
6/1/2010	20.4	8.83
6/2/2010	30.6	10.8
6/4/2010	38.2	10.2
6/7/2010	32	16.5
6/9/2010	10.9	5.52
6/11/2010	22.8	9.74
6/14/2010	34.4	17.7
6/16/2010	22.4	10.1
6/18/2010	34.1	10.7
6/20/2010	26.6	12
6/23/2010	33.6	8.58
6/25/2010	27.3	5.99
6/28/2010	26.1	8.43
6/30/2010	36.3	13.8
7/1/2010	29.3	11.7
7/2/2010	31.3	12.1
7/6/2010	32	11.5
7/7/2010	37.7	14
7/9/2010	7.95	4.59
7/10/2010	18.8	5.51
7/11/2010	24.7	10.4
7/16/2010	30	13.4
7/19/2010	17.3	7.13
7/21/2010	12	6.11
7/23/2010	23.8	7.49
7/26/2010	30.7	8.87
7/28/2010	30.6	10.7
7/30/2010	12	8.71
8/2/2010	21.9	11.3
8/4/2010	38.7	10.8
8/6/2010	20.9	5.98
8/9/2010	25.8	12.1
8/11/2010	29.2	12
8/13/2010	32.1	13.7
8/15/2010	28.2	15.3
8/20/2010	41.3	11.7
8/23/2010	30.1	12.9
8/27/2010	36	16.7
8/30/2010	27.8	8.76
9/3/2010	17	9.15
9/8/2010	39.4	10.2
9/10/2010	11.6	7.53
9/12/2010	15.6	10
9/15/2010	36.1	12.2
9/17/2010	12.5	10.4
9/22/2010	28.3	7.69

Mean	26.2602041	10.2783673
t Interval	2.01063476	2.01063476
Standard Dev	8.55458563	3.00972822
Count	49	49
Conf. Intvl.	2.45716389	0.86449488



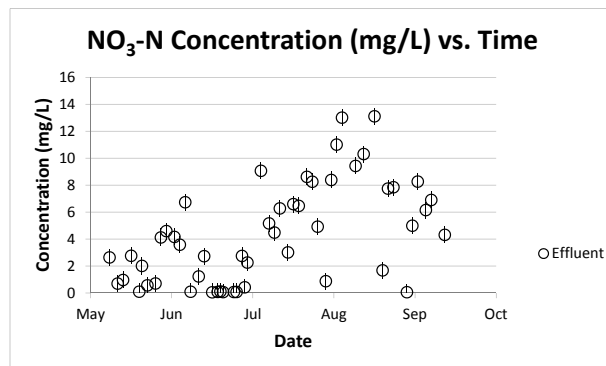
Date	Influent	Effluent	I-E
5/21/2010	2.35	0.267	2.083
5/24/2010	16.4	7.53	8.87
5/26/2010	14.7	5.12	9.58
5/29/2010	10.7	3.38	7.32
6/1/2010	11.6	7.65	3.95
6/2/2010	23.2	6.68	16.52
6/4/2010	20.4	9.27	11.13
6/7/2010	20.1	12	8.1
6/9/2010	4.01	0.1	3.91
6/11/2010	14	1.21	12.79
6/14/2010	34.4	17.7	16.7
6/16/2010	13.4	3.29	10.11
6/18/2010	20.1	6.73	13.37
6/20/2010	16.9	10.6	6.3
6/23/2010	22.6	4.38	18.22
6/25/2010	21.4	0.413	20.987
6/28/2010		8.16	
6/30/2010	23.9	13.5	10.4
7/1/2010	16.2	9.84	6.36
7/2/2010	21.9	10	11.9
7/6/2010	20.8	9.98	10.82
7/7/2010	27.2	12.6	14.6
7/9/2010	1.99	0.34	1.65
7/10/2010	13.5	3.81	9.69
7/11/2010	18	5.65	12.35
7/16/2010	18.3	0.39	17.91
7/19/2010	11.2	0.38	10.82
7/21/2010	6.4	0.26	6.14
7/23/2010	15.7	0.34	15.36
7/26/2010	18.7	1.98	16.72
7/28/2010	18	1.6	16.4
7/30/2010	5.47	0.23	5.24
8/2/2010	11.5	0.27	11.23
8/4/2010	28.5	0.47	28.03
8/6/2010	14.7	0.26	14.44
8/9/2010	16.8	6.71	10.09
8/11/2010	20	0.805	19.195
8/13/2010	21.7	0.53	21.17
8/15/2010	20.8	0.38	20.42
8/20/2010	25.5	0.653	24.847
8/23/2010	21.2	0.57	20.63
8/27/2010	27.7	0.715	26.985
8/30/2010	18.4	5.87	12.53
9/1/2010	10.9	0.068	10.832
9/3/2010	11.3	0.443	10.857
9/8/2010	27.5	8.31	19.19
9/10/2010	4.17	0.028	4.142
9/12/2010	8.04	0.082	7.958
9/15/2010	25.7	1.99	23.71
9/17/2010	13.3	0.404	12.896
9/22/2010	23.9	0.977	22.923

Mean	17.1026	4.01794118
t Interval	2.00957524	2.00855911
Standard Dev	7.28296553	4.51853478
Count	50	51
Conf. Intvl.	2.0697959	1.27085839

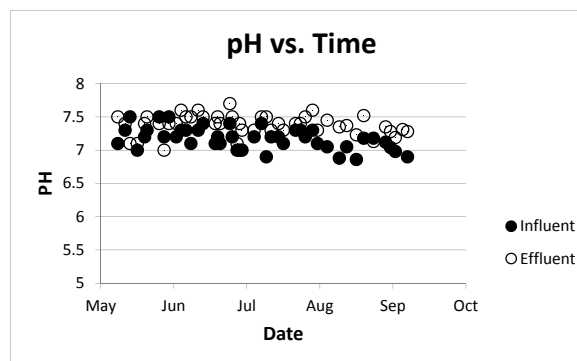


Date	I-E	Effluent
5/21/2010	2.083	2.64
5/24/2010	8.87	0.699
5/26/2010	9.58	0.966
5/29/2010	7.32	2.76
6/1/2010	3.95	0.1
6/2/2010	16.52	2.01
6/4/2010	11.13	0.568
6/7/2010	8.1	0.707
6/9/2010	3.91	4.12
6/11/2010	12.79	4.59
6/14/2010	16.7	4.16
6/16/2010	10.11	3.58
6/18/2010	13.37	6.73
6/20/2010	6.3	0.097
6/23/2010	18.22	1.23
6/25/2010	20.987	2.73
6/28/2010		0.053
6/30/2010	10.4	0.08
7/1/2010	6.36	0.115
7/2/2010	11.9	0.068
7/6/2010	10.82	0.075
7/7/2010	14.6	0.079
7/9/2010	1.65	2.75
7/10/2010	9.69	0.422
7/11/2010	12.35	2.26
7/16/2010	17.91	9.06
7/19/2010	10.82	5.16
7/21/2010	6.14	4.48
7/23/2010	15.36	6.27
7/26/2010	16.72	3.01
7/28/2010	16.4	6.59
7/30/2010	5.24	6.46
8/2/2010	11.23	8.61
8/4/2010	28.03	8.25
8/6/2010	14.44	4.92
8/9/2010	10.09	0.876
8/11/2010	19.195	8.38
8/13/2010	21.17	11
8/15/2010	20.42	13
8/20/2010	24.847	9.42
8/23/2010	20.63	10.3
8/27/2010	26.985	13.1
8/30/2010	12.53	1.68
9/1/2010	10.832	7.74
9/3/2010	10.857	7.84
9/8/2010	19.19	0.059
9/10/2010	4.142	4.99
9/12/2010	7.958	8.26
9/15/2010	23.71	6.15
9/17/2010	12.896	6.9
9/22/2010	22.923	4.31

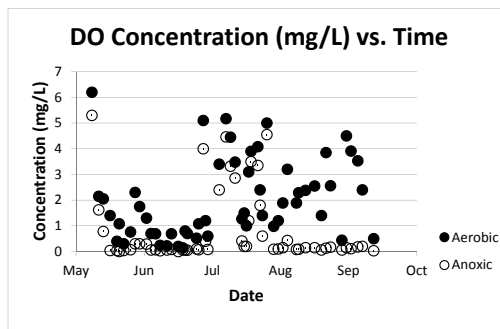
Mean	4.32164706
t Interval	2.00855911
Standard Dev	3.6909885
Count	51
Conf. Intvl.	1.03810724



Date	Influent	Effluent
5/21/2010	7.1	7.5
5/24/2010	7.3	7.4
5/26/2010	7.5	7.1
5/29/2010	7	7.1
6/1/2010	7.2	7.4
6/2/2010	7.3	7.5
6/7/2010	7.5	7.4
6/9/2010	7.2	7
6/11/2010	7.5	7.4
6/14/2010	7.2	7.4
6/16/2010	7.3	7.6
6/18/2010	7.3	7.5
6/20/2010	7.1	7.5
6/23/2010	7.3	7.6
6/25/2010	7.4	7.5
6/28/2010		
6/30/2010	7.1	7.4
7/1/2010	7.2	7.5
7/2/2010	7.1	7.4
7/6/2010	7.4	7.7
7/7/2010	7.2	7.5
7/9/2010	7	7.1
7/10/2010	7	7.4
7/11/2010	7	7.3
7/16/2010	7.2	7.3
7/19/2010	7.4	7.5
7/21/2010	6.9	7.5
7/23/2010	7.2	7.3
7/26/2010	7.2	7.4
7/28/2010	7.1	7.3
8/2/2010	7.3	7.4
8/4/2010	7.3	7.4
8/6/2010	7.2	7.5
8/9/2010	7.3	7.6
8/11/2010	7.1	7.3
8/15/2010	7.05	7.45
8/20/2010	6.88	7.35
8/23/2010	7.05	7.37
8/27/2010	6.86	7.23
8/30/2010	7.18	7.52
9/3/2010	7.18	7.13
9/8/2010	7.12	7.35
9/10/2010	7.04	7.28
9/12/2010	6.98	7.19
9/15/2010		7.31
9/17/2010	6.9	7.28
9/22/2010		
Mean	7.17363636	7.38133333
t Interval	2.0166922	2.01536757
Standard Dev	0.16590963	0.14923441
Count	44	45
Conf. Intvl.	0.05044114	0.04483498

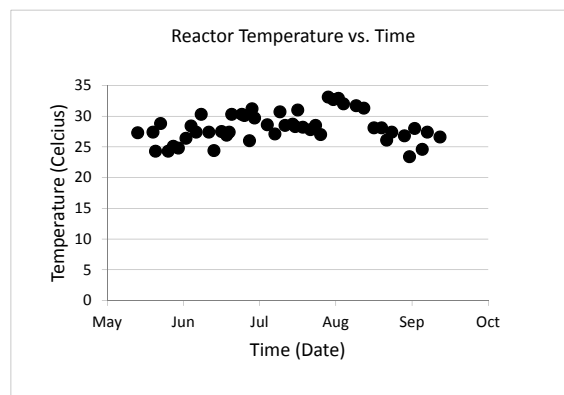


Date	Aerobic	Anoxic
5/21/2010	6.2	5.3
5/24/2010	2.15	1.62
5/26/2010	2.05	0.78
5/29/2010	1.4	0.04
6/1/2010	0.4	0.04
6/2/2010	1.08	0
6/4/2010	0.3	0.04
6/7/2010	0.76	0.07
6/9/2010	2.3	0.3
6/11/2010	1.75	0.3
6/14/2010	1.3	0.29
6/16/2010	0.7	0.06
6/18/2010	0.69	0.07
6/20/2010	0.24	0.03
6/23/2010	0.22	0.06
6/25/2010	0.69	0.08
6/28/2010	0.2	0
6/30/2010	0.14	0.06
7/1/2010	0.8	0.06
7/2/2010	0.7	0.05
7/6/2010	0.52	0.1
7/7/2010	1.08	0.07
7/9/2010	5.1	4
7/10/2010	1.2	0.4
7/11/2010	0.6	0.08
7/16/2010	3.4	2.4
7/19/2010	5.17	4.46
7/21/2010	4.45	3.32
7/23/2010	3.48	2.86
7/26/2010	1.27	0.41
7/27/2010	1.5	0.2
7/28/2010	1	0.2
7/29/2010	3.1	1.2
7/30/2010	3.9	3.5
8/2/2010	4.08	3.35
8/3/2010	2.4	1.8
8/4/2010	1.4	0.6
8/6/2010	5	4.55
8/9/2010	0.98	0.09
8/11/2010	1.2	0.1
8/13/2010	1.89	0.15
8/15/2010	3.2	0.43
8/19/2010	1.89	0.08
8/20/2010	2.29	0.09
8/23/2010	2.38	0.15
8/27/2010	2.55	0.15
8/30/2010	1.4	0.06
9/1/2010	3.85	0.13
9/3/2010	2.56	0.17
9/8/2010	0.44	0.06
9/10/2010	4.5	0.15
9/12/2010	3.91	0.11
9/15/2010	3.53	0.18
9/17/2010	2.4	0.2
9/22/2010	0.5	0.03
Mean	2.03981818	0.81963636
t Interval	2.00487929	2.00487929
Standard Dev	1.54191018	1.39854682
Count	55	55
Conf. Intvl.	0.41683671	0.37808016



Date	Temperature (C)
5/26/2010	27.3
6/1/2010	27.4
6/2/2010	24.3
6/4/2010	28.8
6/7/2010	24.3
6/9/2010	25.1
6/11/2010	24.8
6/14/2010	26.4
6/16/2010	28.4
6/18/2010	27.4
6/20/2010	30.3
6/23/2010	27.4
6/25/2010	24.4
6/28/2010	27.5
6/30/2010	26.9
7/1/2010	27.4
7/2/2010	30.3
7/6/2010	30.3
7/7/2010	30.1
7/9/2010	26
7/10/2010	31.2
7/11/2010	29.7
7/16/2010	28.6
7/19/2010	27.1
7/21/2010	30.7
7/23/2010	28.5
7/26/2010	28.7
7/27/2010	28.3
7/28/2010	31
7/30/2010	28.2
8/2/2010	27.8
8/4/2010	28.5
8/6/2010	27
8/9/2010	33.1
8/11/2010	32.7
8/13/2010	32.9
8/15/2010	32
8/20/2010	31.7
8/23/2010	31.3
8/27/2010	28.1
8/30/2010	28.1
9/1/2010	26.1
9/3/2010	27.4
9/8/2010	26.8
9/10/2010	23.4
9/12/2010	28
9/15/2010	24.6
9/17/2010	27.4
9/22/2010	26.6

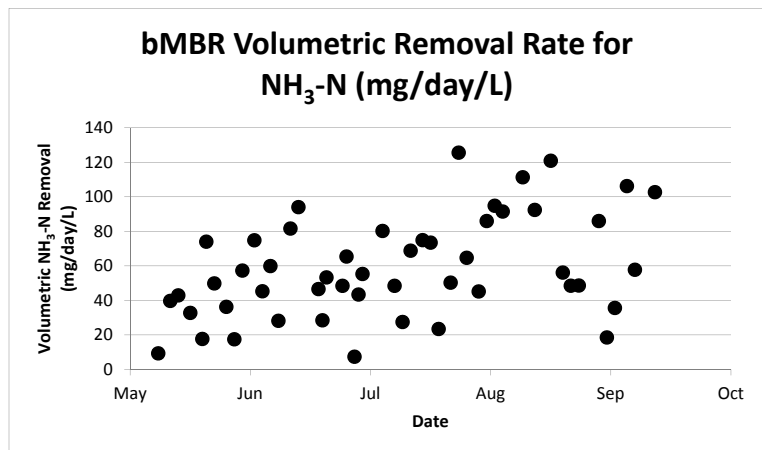
Mean 28.1693878
 t Interval 2.01063476
 Standard Dev 2.3914957
 Count 49
 Conf. Intvl. 0.68691777



Date	Influent (mg/L)	Effluent (mg/L)	Flow Rate (mL/min)	Influent (mg/min)	Effluent (mg/min)	NH3 Removed (mg/min)	NH3 Removed per Vol (mg/L*mi)	NH3 Removed per Vol Day (mg/L*day)
5/21/2010	2.35	0.267	0.333	0.78255	0.088911	0.693639	0.006482607	9.334954766
5/24/2010	16.4	7.53		5.4612	2.50749	2.95371	0.027604766	39.75086355
5/26/2010	14.7	5.12		4.8951	1.70496	3.19014	0.029814393	42.93272523
5/29/2010	10.7	3.38		3.5631	1.12554	2.43756	0.022780935	32.80454579
6/1/2010	11.6	7.65		3.8628	2.54745	1.31535	0.012292991	17.70190654
6/2/2010	23.2	6.68		7.7256	2.22444	5.50116	0.05141271	74.0343028
6/4/2010	20.4	9.27		6.7932	3.08691	3.70629	0.034638224	49.87904299
6/7/2010	20.1	12		6.6933	3.996	2.6973	0.025208411	36.30011215
6/9/2010	4.01	0.1		1.33533	0.0333	1.30203	0.012168505	17.52264673
6/11/2010	14	1.21		4.662	0.40293	4.25907	0.039804393	57.31832523
6/14/2010	34.4	17.7		11.4552	5.8941	5.5611	0.051972897	74.84097196
6/16/2010	13.4	3.29		4.4622	1.09557	3.36663	0.031463832	45.30791776
6/18/2010	20.1	6.73		6.6933	2.24109	4.45221	0.041609439	59.91759252
6/20/2010	16.9	10.6		5.6277	3.5298	2.0979	0.019606542	28.23342056
6/23/2010	22.6	4.38		7.5258	1.45854	6.06726	0.056703364	81.65284486
6/25/2010	21.4	0.413		7.1262	0.137529	6.988671	0.065314682	94.05314243
6/28/2010							0	
6/30/2010	23.9	13.5		7.9587	4.4955	3.4632	0.032366355	46.6075514
7/1/2010	16.2	9.84		5.3946	3.27672	2.11788	0.019793271	28.50231028
7/2/2010	21.9	10		7.2927	3.33	3.9627	0.037034579	53.32979439
7/6/2010	20.8	9.98		6.9264	3.32334	3.60306	0.033673458	48.48977944
7/7/2010	27.2	12.6		9.0576	4.1958	4.8618	0.045437383	65.42983178
7/9/2010	1.99	0.34		0.66267	0.11322	0.54945	0.005135047	7.39446729
7/10/2010	13.5	3.81		4.4955	1.26873	3.22677	0.030156729	43.42568972
7/11/2010	18	5.65		5.994	1.88145	4.11255	0.038435047	55.34646729
7/16/2010	18.3	0.39		6.0939	0.12987	5.96403	0.055738598	80.26358131
7/19/2010	11.2	0.38		3.7296	0.12654	3.60306	0.033673458	48.48977944
7/21/2010	6.4	0.26		2.1312	0.08658	2.04462	0.019108598	27.51638131
7/23/2010	15.7	0.34		5.2281	0.11322	5.11488	0.047802617	68.83576822
7/26/2010	18.7	1.98		6.2271	0.65934	5.56776	0.05203514	74.93060187
7/28/2010	18	1.6		5.994	0.5328	5.4612	0.051039252	73.49652336
7/30/2010	5.47	0.23		1.82151	0.07659	1.74492	0.016307664	23.48303551
8/2/2010	11.5	0.27		3.8295	0.08991	3.73959	0.034949439	50.32719252
8/4/2010	28.5	0.47		9.4905	0.15651	9.33399	0.087233551	125.616314
8/6/2010	14.7	0.26		4.8951	0.08658	4.80852	0.044939439	64.71279252
8/9/2010	16.8	6.71		5.5944	2.23443	3.35997	0.031401589	45.21828785
8/11/2010	20	0.805		6.66	0.268065	6.391935	0.05973771	86.0223028
8/13/2010	21.7	0.53		7.2261	0.17649	7.04961	0.065884206	94.87325607
8/15/2010	20.8	0.38		6.9264	0.12654	6.79986	0.063550093	91.51213458
8/20/2010	25.5	0.653		8.4915	0.217449	8.274051	0.077327579	111.3517144
8/23/2010	21.2	0.57		7.0596	0.18981	6.86979	0.064203645	92.4532486
8/27/2010	27.7	0.715		9.2241	0.238095	8.986005	0.083981355	120.9331514
8/30/2010	18.4	5.87		6.1272	1.95471	4.17249	0.038995234	56.15313645
9/1/2010	10.9	0.068		3.6297	0.022644	3.607056	0.033710804	48.54355738
9/3/2010	11.3	0.443		3.7629	0.147519	3.615381	0.033788607	48.65559477
9/8/2010	27.5	8.31		9.1575	2.76723	6.39027	0.05972215	85.99989533
9/10/2010	4.17	0.028		1.38861	0.009324	1.379286	0.012890523	18.56235364
9/12/2010	8.04	0.082		2.67732	0.027306	2.650014	0.024766486	35.66373981
9/15/2010	25.7	1.99		8.5581	0.66267	7.89543	0.073789065	106.2562542

9/17/2010	13.3	0.404	4.4289	0.134532	4.294368	0.04013428	57.79336374
9/22/2010	23.9	0.977	7.9587	0.325341	7.633359	0.071339804	102.7293174

Mean	59.01008972
t Interval	2.009575237
Standard Dev.	29.10584571
Count	50
Conf. Intvl.	8.271789827



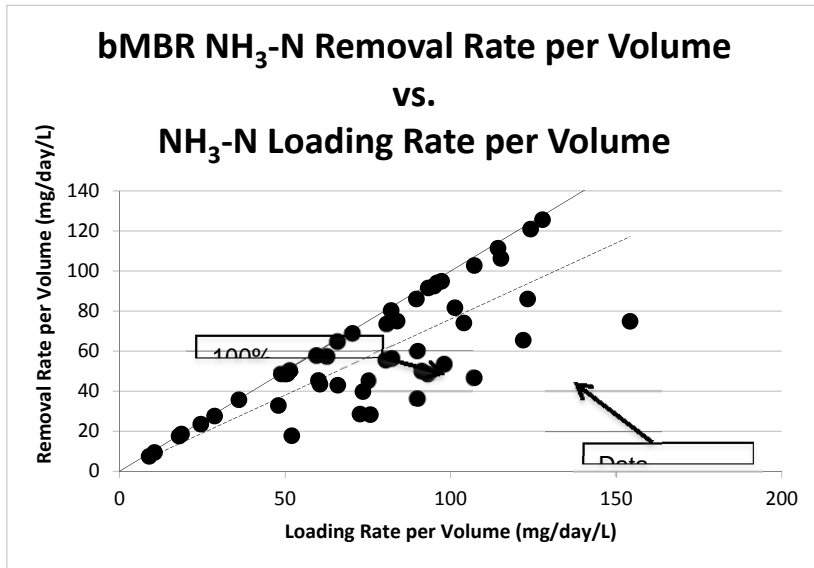
y)

Date	Influent	Effluent	Flow Rate (L/	Influent-Effluent	Removal *Flo	Influent*Flow	Removal [Q(r	Load [Q(influent)/V]			% Removal
5/21/2010	2.35	0.267	0.333	2.083	998.84016	1126.872	9.33495477	10.531514	0	0	88.6382979
5/24/2010	16.4	7.53		8.87	4253.3424	7864.128	39.7508636	73.4965234	425	425	54.0853659
5/26/2010	14.7	5.12		9.58	4593.8016	7048.944	42.9327252	65.8779813			65.170068
5/29/2010	10.7	3.38		7.32	3510.0864	5130.864	32.8045458	47.952			68.411215
6/1/2010	11.6	7.65		3.95	1894.104	5562.432	17.7019065	51.9853458			34.0517241
6/2/2010	23.2	6.68		16.52	7921.6704	11124.864	74.0343028	103.970692			71.2068966
6/4/2010	20.4	9.27		11.13	5337.0576	9782.208	49.879043	91.4225047			54.5588235
6/7/2010	20.1	12		8.1	3884.112	9638.352	36.3001121	90.0780561			40.2985075
6/9/2010	4.01	0.1		3.91	1874.9232	1922.8752	17.5226467	17.9707963			97.5062344
6/11/2010	14	1.21		12.79	6133.0608	6713.28	57.3183252	62.7409346			91.3571429
6/14/2010	34.4	17.7		16.7	8007.984	16495.488	74.840972	154.163439			48.5465116
6/16/2010	13.4	3.29		10.11	4847.9472	6425.568	45.3079178	60.0520374			75.4477612
6/18/2010	20.1	6.73		13.37	6411.1824	9638.352	59.9175925	90.0780561			66.5174129
6/20/2010	16.9	10.6		6.3	3020.976	8103.888	28.2334206	75.737271			37.2781065
6/23/2010	22.6	4.38		18.22	8736.8544	10837.152	81.6528449	101.281794			80.619469
6/25/2010	21.4	0.413		20.987	10063.6862	10261.728	94.0531424	95.904			98.0700935
6/30/2010	23.9	13.5		10.4	4987.008	11460.528	46.6075514	107.107738			43.5146444
7/1/2010	16.2	9.84		6.36	3049.7472	7768.224	28.5023103	72.6002243			39.2592593
7/2/2010	21.9	10		11.9	5706.288	10501.488	53.3297944	98.1447477			54.3378995
7/6/2010	20.8	9.98		10.82	5188.4064	9974.016	48.4897794	93.2151028			52.0192308
7/7/2010	27.2	12.6		14.6	7000.992	13042.944	65.4298318	121.896673			53.6764706
7/9/2010	1.99	0.34		1.65	791.208	954.2448	7.39446729	8.9181757			82.9145729
7/10/2010	13.5	3.81		9.69	4646.5488	6473.52	43.4256897	60.5001869			71.7777778
7/11/2010	18	5.65		12.35	5922.072	8631.36	55.3464673	80.6669159			68.6111111
7/16/2010	18.3	0.39		17.91	8588.2032	8775.216	80.2635813	82.0113645			97.8688525
7/19/2010	11.2	0.38		10.82	5188.4064	5370.624	48.4897794	50.1927477			96.6071429
7/21/2010	6.4	0.26		6.14	2944.2528	3068.928	27.5163813	28.6815701			95.9375
7/23/2010	15.7	0.34		15.36	7365.4272	7528.464	68.8357682	70.3594766			97.8343949
7/26/2010	18.7	1.98		16.72	8017.5744	8967.024	74.9306019	83.8039626			89.4117647
7/28/2010	18	1.6		16.4	7864.128	8631.36	73.4965234	80.6669159			91.1111111
7/30/2010	5.47	0.23		5.24	2512.6848	2622.9744	23.4830355	24.5137794			95.7952468
8/2/2010	11.5	0.27		11.23	5385.0096	5514.48	50.3271925	51.5371963			97.6521739
8/4/2010	28.5	0.47		28.03	13440.9456	13666.32	125.616314	127.722617			98.3508772
8/6/2010	14.7	0.26		14.44	6924.2688	7048.944	64.7127925	65.8779813			98.2312925
8/9/2010	16.8	6.71		10.09	4838.3568	8055.936	45.2182879	75.2891215			60.0595238
8/11/2010	20	0.805		19.195	9204.3864	9590.4	86.0223028	89.6299065			95.975
8/13/2010	21.7	0.53		21.17	10151.4384	10405.584	94.8732561	97.2484486			97.5576037
8/15/2010	20.8	0.38		20.42	9791.7984	9974.016	91.5121346	93.2151028			98.1730769
8/20/2010	25.5	0.653		24.847	11914.6334	12227.76	111.351714	114.278131			97.4392157
8/23/2010	21.2	0.57		20.63	9892.4976	10165.824	92.4532486	95.0077009			97.3113208
8/27/2010	27.7	0.715		26.985	12939.8472	13282.704	120.933151	124.137421			97.4187726
8/30/2010	18.4	5.87		12.53	6008.3856	8823.168	56.1531364	82.459514			68.0978261

9/1/2010	10.9	0.068	10.832	5194.16064	5226.768	48.5435574	48.8482991	99.3761468
9/3/2010	11.3	0.443	10.857	5206.14864	5418.576	48.6555948	50.6408972	96.079646
9/8/2010	27.5	8.31	19.19	9201.9888	13186.8	85.9998953	123.241121	69.7818182
9/10/2010	4.17	0.028	4.142	1986.17184	1999.5984	18.5623536	18.6878355	99.3285372
9/12/2010	8.04	0.082	7.958	3816.02016	3855.3408	35.6637398	36.0312224	98.9800995
9/15/2010	25.7	1.99	23.71	11369.4192	12323.664	106.256254	115.17443	92.2568093
9/17/2010	13.3	0.404	12.896	6183.88992	6377.616	57.7933637	59.6038879	96.962406
9/22/2010	23.9	0.977	22.923	10992.037	11460.528	102.729317	107.107738	95.9121339

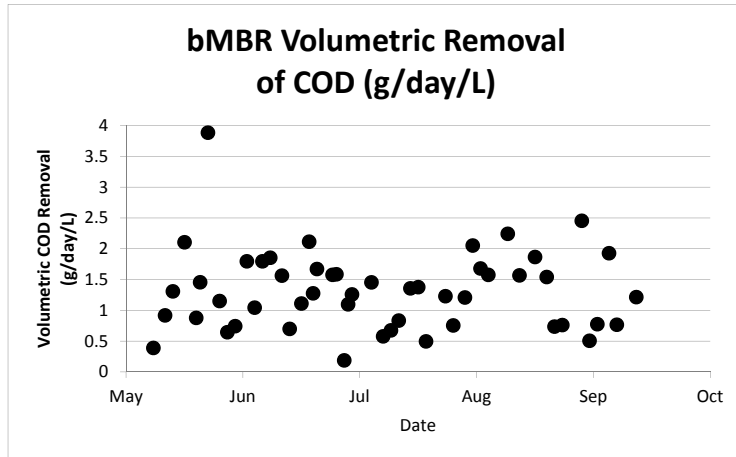
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Mean 79.1476978
t Interval 2.00957524
Standard Dev 21.0440294
Count 50
Conf. Intvl. 5.98064699



Date	Influent	Effluent	Flow Rate (mL/min)	Influent (mg/min)	Effluent (mg/min)	COD Removed (mg/min)	COD Removed per Vol (mg/L*mi)	COD Removed per Vol Day (mg/L*d)
5/21/2010	107	20	0.333	35.631	6.66	28.971	0.270757009	0.389890093
5/24/2010	228	23		75.924	7.659	68.265	0.637990654	0.918706542
5/26/2010	319	27		106.227	8.991	97.236	0.908747664	1.308596636
5/29/2010	493	23		164.169	7.659	156.51	1.46271028	2.106302804
6/1/2010	245	49		81.585	16.317	65.268	0.609981308	0.878373084
6/2/2010	332	7		110.556	2.331	108.225	1.011448598	1.456485981
6/4/2010	883	16		294.039	5.328	288.711	2.698233645	3.885456449
6/7/2010	284	27		94.572	8.991	85.581	0.79982243	1.151744299
6/9/2010	156	12		51.948	3.996	47.952	0.448149533	0.645335327
6/11/2010	178	12		59.274	3.996	55.278	0.516616822	0.743928224
6/14/2010	410	9		136.53	2.997	133.533	1.247971963	1.797079626
6/16/2010	245	12		81.585	3.996	77.589	0.725130841	1.044188411
6/18/2010	417	16		138.861	5.328	133.533	1.247971963	1.797079626
6/20/2010	429	15		142.857	4.995	137.862	1.288429907	1.855339065
6/23/2010	367	18		122.211	5.994	116.217	1.086140187	1.564041869
6/25/2010	178	22		59.274	7.326	51.948	0.485495327	0.699113271
6/28/2010	261	13		86.913	4.329	82.584	0.771813084	1.111410841
6/30/2010	492	20		163.836	6.66	157.176	1.468934579	2.115265794
7/1/2010	300	15		99.9	4.995	94.905	0.886962617	1.277226168
7/2/2010	392	19		130.536	6.327	124.209	1.160831776	1.671597757
7/6/2010	365	13		121.545	4.329	117.216	1.095476636	1.577486355
7/7/2010	379	25		126.207	8.325	117.882	1.101700935	1.586449346
7/9/2010	56	14		18.648	4.662	13.986	0.13071028	0.188222804
7/10/2010	254	9		84.582	2.997	81.585	0.762476636	1.097966355
7/11/2010	293	12		97.569	3.996	93.573	0.874514019	1.259300187
7/16/2010	342	17.3		113.886	5.7609	108.1251	1.010514953	1.455141533
7/19/2010	143	13.9		47.619	4.6287	42.9903	0.401778505	0.578561047
7/21/2010	156	5.34		51.948	1.77822	50.16978	0.468876449	0.675182086
7/23/2010	199	12.7		66.267	4.2291	62.0379	0.579793458	0.834902579
7/26/2010	315	12		104.895	3.996	100.899	0.942981308	1.357893084
7/28/2010	329	21.7		109.557	7.2261	102.3309	0.956363551	1.377163514
7/30/2010	120	9.2		39.96	3.0636	36.8964	0.344826168	0.496549682
8/4/2010	285	10.5		94.905	3.4965	91.4085	0.854285047	1.230170467
8/6/2010	176	7.45		58.608	2.48085	56.12715	0.524552804	0.755356037
8/9/2010	282	12.1		93.906	4.0293	89.8767	0.839969159	1.209555589
8/11/2010	472	13.9		157.176	4.6287	152.5473	1.425675701	2.052973009
8/13/2010	386	11.1		128.538	3.6963	124.8417	1.16674486	1.680112598
8/15/2010	363	11.1		120.879	3.6963	117.1827	1.095165421	1.577038206
8/20/2010	513	12.4		170.829	4.1292	166.6998	1.557942056	2.243436561
8/23/2010	357	7		118.881	2.331	116.55	1.089252336	1.568523364
8/27/2010	425	8.47		141.525	2.82051	138.70449	1.296303645	1.866677249
8/30/2010	348	4.01		115.884	1.33533	114.54867	1.070548318	1.541589578
9/1/2010	170	5.54		56.61	1.84482	54.76518	0.511824112	0.737026721
9/3/2010	186	16		61.938	5.328	56.61	0.529065421	0.761854206
9/8/2010	567	19.3		188.811	6.4269	182.3841	1.704524299	2.454514991
9/10/2010	116	2.92		38.628	0.97236	37.65564	0.351921869	0.506767492
9/12/2010	173	0		57.609	0	57.609	0.538401869	0.775298692
9/15/2010	442	11.8		147.186	3.9294	143.2566	1.338846729	1.92793929

9/17/2010	183	11.9	60.939	3.9627	56.9763	0.532488785	0.76678385
9/22/2010	285	13.7	94.905	4.5621	90.3429	0.844326168	1.215829682
	307.92	0	102.53736	0	102.53736 Mean		1.31546856
	307.92	14.3866	102.53736	4.7907378	97.7466222 t Interval		2.009575237
					Standard Dev.		0.648531918
					Count		50
					Conf. Intvl.		0.184310732



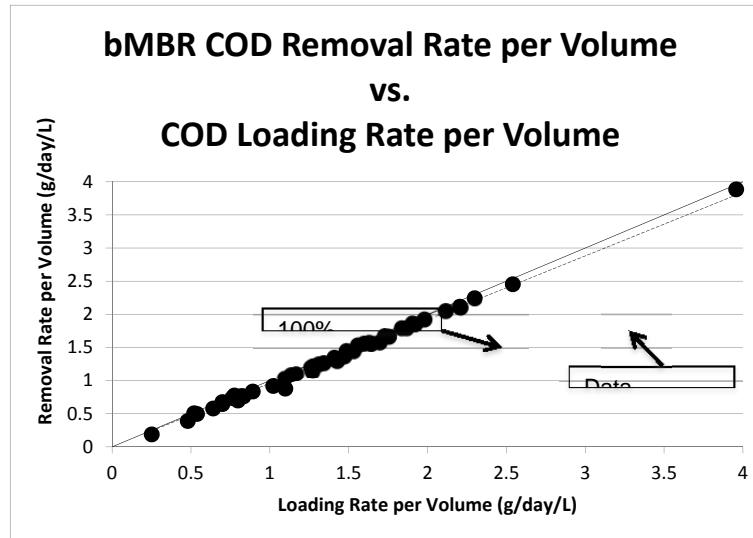
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Date	Influent	Effluent	Flow Rate (L/	Influent-Efflu	Removal *	Flowrate (mg/da	Influent*Flowrate (mg/da)	Removal [Q(r	Load [Q(influent)/V]		% Removal
5/21/2010	107	20	0.333	87		41718.24	51308.64	0.38989009	0.47952	0	81.3084112
5/24/2010	228	23		205		98301.6	109330.56	0.91870654	1.02178093	4	89.9122807
5/26/2010	319	27		292		140019.84	152966.88	1.30859664	1.42959701		91.5360502
5/29/2010	493	23		470		225374.4	236403.36	2.1063028	2.2093772		95.3346856
6/1/2010	245	49		196		93985.92	117482.4	0.87837308	1.09796636		80
6/2/2010	332	7		325		155844	159200.64	1.45648598	1.48785645		97.8915663
6/4/2010	883	16		867		415743.84	423416.16	3.88545645	3.95716037		98.1879955
6/7/2010	284	27		257		123236.64	136183.68	1.1517443	1.27274467		90.4929577
6/9/2010	156	12		144		69050.88	74805.12	0.64533533	0.69911327		92.3076923
6/11/2010	178	12		166		79600.32	85354.56	0.74392822	0.79770617		93.258427
6/14/2010	410	9		401		192287.52	196603.2	1.79707963	1.83741308		97.804878
6/16/2010	245	12		233		111728.16	117482.4	1.04418841	1.09796636		95.1020408
6/18/2010	417	16		401		192287.52	199959.84	1.79707963	1.86878355		96.1630695
6/20/2010	429	15		414		198521.28	205714.08	1.85533907	1.9225615		96.5034965
6/23/2010	367	18		349		167352.48	175983.84	1.56404187	1.64470879		95.0953678
6/25/2010	178	22		156		74805.12	85354.56	0.69911327	0.79770617		87.6404494
6/28/2010	261	13		248		118920.96	125154.72	1.11141084	1.16967028		95.0191571
6/30/2010	492	20		472		226333.44	235923.84	2.11526579	2.2048957		95.9349593
7/1/2010	300	15		285		136663.2	143856	1.27722617	1.3444486		95
7/2/2010	392	19		373		178860.96	187971.84	1.67159776	1.75674617		95.1530612
7/6/2010	365	13		352		168791.04	175024.8	1.57748636	1.63574579		96.4383562
7/7/2010	379	25		354		169750.08	181738.08	1.58644935	1.69848673		93.4036939
7/9/2010	56	14		42		20139.84	26853.12	0.1882228	0.25096374		75
7/10/2010	254	9		245		117482.4	121798.08	1.09796636	1.13829981		96.4566929
7/11/2010	293	12		281		134745.12	140499.36	1.25930019	1.31307813		95.9044369
7/16/2010	342	17.3		324.7		155700.144	163995.84	1.45514153	1.5326714		94.9415205
7/19/2010	143	13.9		129.1		61906.032	68571.36	0.57856105	0.64085383		90.2797203
7/21/2010	156	5.34		150.66		72244.4832	74805.12	0.67518209	0.69911327		96.5769231
7/23/2010	199	12.7		186.3		89334.576	95424.48	0.83490258	0.89181757		93.6180905
7/26/2010	315	12		303		145294.56	151048.8	1.35789308	1.41167103		96.1904762
7/28/2010	329	21.7		307.3		147356.496	157762.08	1.37716351	1.47441196		93.4042553
7/30/2010	120	9.2		110.8		53130.816	57542.4	0.49654968	0.53777944		92.3333333
8/4/2010	285	10.5		274.5		131628.24	136663.2	1.23017047	1.27722617		96.3157895
8/6/2010	176	7.45		168.55		80823.096	84395.52	0.75535604	0.78874318		95.7670455
8/9/2010	282	12.1		269.9		129422.448	135224.64	1.20955559	1.26378168		95.7092199
8/11/2010	472	13.9		458.1		219668.112	226333.44	2.05297301	2.11526579		97.0550847
8/13/2010	386	11.1		374.9		179772.048	185094.72	1.6801126	1.7298572		97.1243523
8/15/2010	363	11.1		351.9		168743.088	174065.76	1.57703821	1.6267828		96.9421488
8/20/2010	513	12.4		500.6		240047.712	245993.76	2.24343656	2.2990071		97.582846
8/23/2010	357	7		350		167832	171188.64	1.56852336	1.59989383		98.0392157
8/27/2010	425	8.47		416.53		199734.4656	203796	1.86667725	1.90463551		98.0070588
8/30/2010	348	4.01		343.99		164950.0848	166872.96	1.54158958	1.55956037		98.8477011
9/1/2010	170	5.54		164.46		78861.8592	81518.4	0.73702672	0.76185421		96.7411765
9/3/2010	186	16		170		81518.4	89190.72	0.76185421	0.83355813		91.3978495
9/8/2010	567	19.3		547.7		262633.104	271887.84	2.45451499	2.54100785		96.5961199
9/10/2010	116	2.92		113.08		54224.1216	55624.32	0.50676749	0.51985346		97.4827586
9/12/2010	173	0		173		82956.96	82956.96	0.77529869	0.77529869		100
9/15/2010	442	11.8		430.2		206289.504	211947.84	1.92793929	1.98082093		97.3303167

9/17/2010	183	11.9	171.1	82045.872	87752.16	0.76678385	0.82011364	93.4972678
9/22/2010	285	13.7	271.3	130093.776	136663.2	1.21582968	1.27722617	95.1929825

3.88545645

Mean	94.2764596
t Interval	2.00957524
Standard Dev	4.73330295
Count	50
Conf. Intvl.	1.34518981



Date	Influent	Effluent	Flow Rate (mL/min)	Influent (mg/min)	Effluent (mg/min)	TN Removed (mg/min)	TN Removed per Vol (mg/L*min)	TN Removed per Vol Day (mg/L*day)
5/24/2010	16.4	7.53	333	5.4612	2.50749	2.95371	0.027604766	39.75086355
5/26/2010	23	8.09		7.659	2.69397	4.96503	0.04640215	66.81909533
5/29/2010	21	8.51		6.993	2.83383	4.15917	0.038870748	55.97387664
6/1/2010	20.4	8.83		6.7932	2.94039	3.85281	0.03600757	51.85090093
6/2/2010	30.6	10.8		10.1898	3.5964	6.5934	0.061620561	88.73360748
6/4/2010	38.2	10.2		12.7206	3.3966	9.324	0.087140187	125.4818692
6/7/2010	32	16.5		10.656	5.4945	5.1615	0.048238318	69.46317757
6/9/2010	10.9	5.52		3.6297	1.83816	1.79154	0.016743364	24.11044486
6/11/2010	22.8	9.74		7.5924	3.24342	4.34898	0.040644673	58.52832897
6/14/2010	34.4	17.7		11.4552	5.8941	5.5611	0.051972897	74.84097196
6/16/2010	22.4	10.1		7.4592	3.3633	4.0959	0.038279439	55.12239252
6/18/2010	34.1	10.7		11.3553	3.5631	7.7922	0.072824299	104.8669907
6/20/2010	26.6	12		8.8578	3.996	4.8618	0.045437383	65.42983178
6/23/2010	33.6	8.58		11.1888	2.85714	8.33166	0.077865981	112.1270131
6/25/2010	27.3	5.99		9.0909	1.99467	7.09623	0.066319907	95.50066542
6/28/2010	26.1	8.43		8.6913	2.80719	5.88411	0.054991682	79.18802243
6/30/2010	36.3	13.8		12.0879	4.5954	7.4925	0.070023364	100.8336449
7/1/2010	29.3	11.7		9.7569	3.8961	5.8608	0.054773832	78.87431776
7/2/2010	31.3	12.1		10.4229	4.0293	6.3936	0.059753271	86.04471028
7/6/2010	32	11.5		10.656	3.8295	6.8265	0.063799065	91.87065421
7/7/2010	37.7	14		12.5541	4.662	7.8921	0.073757944	106.2114393
7/9/2010	7.95	4.59		2.64735	1.52847	1.11888	0.010456822	15.0578243
7/10/2010	18.8	5.51		6.2604	1.83483	4.42557	0.041360467	59.5590729
7/11/2010	24.7	10.4		8.2251	3.4632	4.7619	0.044503738	64.08538318
7/16/2010	30	13.4		9.99	4.4622	5.5278	0.051661682	74.39282243
7/19/2010	17.3	7.13		5.7609	2.37429	3.38661	0.031650561	45.57680748
7/21/2010	12	6.11		3.996	2.03463	1.96137	0.018330561	26.39600748
7/23/2010	23.8	7.49		7.9254	2.49417	5.43123	0.050759159	73.09318879
7/26/2010	30.7	8.87		10.2231	2.95371	7.26939	0.067938224	97.83104299
7/28/2010	30.6	10.7		10.1898	3.5631	6.6267	0.061931776	89.18175701
7/30/2010	12	8.71		3.996	2.90043	1.09557	0.010238972	14.74411963
8/2/2010	21.9	11.3		7.2927	3.7629	3.5298	0.032988785	47.50385047
8/4/2010	38.7	10.8		12.8871	3.5964	9.2907	0.086828972	125.0337196
8/6/2010	20.9	5.98		6.9597	1.99134	4.96836	0.046433271	66.86391028
8/9/2010	25.8	12.1		8.5914	4.0293	4.5621	0.042636449	61.39648598
8/11/2010	29.2	12		9.7236	3.996	5.7276	0.053528972	77.08171963
8/13/2010	32.1	13.7		10.6893	4.5621	6.1272	0.057263551	82.45951402
8/15/2010	28.2	15.3		9.3906	5.0949	4.2957	0.040146729	57.81128972
8/20/2010	41.3	11.7		13.7529	3.8961	9.8568	0.092119626	132.6522617
8/23/2010	30.1	12.9		10.0233	4.2957	5.7276	0.053528972	77.08171963
8/27/2010	36	16.7		11.988	5.5611	6.4269	0.060064486	86.49285981
8/30/2010	27.8	8.76		9.2574	2.91708	6.34032	0.059255327	85.32767103
9/3/2010	17	9.15		5.661	3.04695	2.61405	0.024430374	35.17973832
9/8/2010	39.4	10.2		13.1202	3.3966	9.7236	0.090874766	130.8596636
9/10/2010	11.6	7.53		3.8628	2.50749	1.35531	0.012666449	18.23968598
9/12/2010	15.6	10		5.1948	3.33	1.8648	0.017428037	25.09637383
9/15/2010	36.1	12.2		12.0213	4.0626	7.9587	0.074380374	107.1077383
9/17/2010	12.5	10.4		4.1625	3.4632	0.6993	0.006535514	9.411140187

9/22/2010

28.3

7.69

9.4239

2.56077

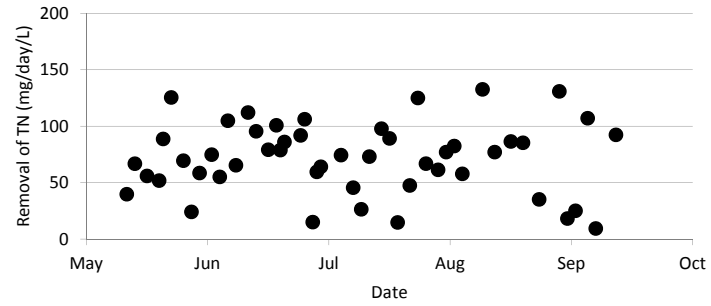
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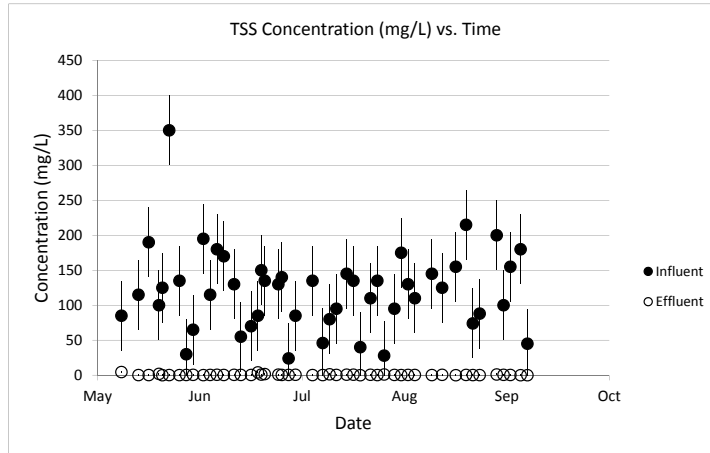
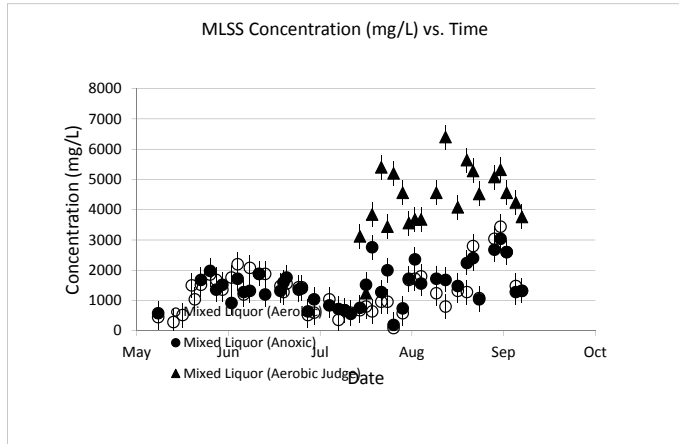
92.36361869

Mean	71.62252665
t Interval	2.010634758
Standard Dev.	31.47631433
Count	49
Conf. Intvl.	9.04105309

bMBR Volumetric Removal of



Date	Influent			Mixed Liquor (Aerobic)				Effluent				Mixed Liquor (Anoxic)				Mixed Liquor (Aerobic Judge)			
	Initial	Final	Value	Initial	Final	Value	Initial	Final	Value	Initial	Final	Value	Initial	Final	Value	Initial	Final	Value	
5/21/2010	1.2415	1.2432		85	1.2394	1.2439	450	1.2394	1.2439	4.5	1.2397	1.2455	580						
5/26/2010	1.245	1.2473		115	1.24	1.2429	290	1.2375	1.2377	0.2									
5/29/2010	1.2103	1.2141		190	1.1996	1.2048	520	1.2406	1.2408	0.2									
6/1/2010	1.2018	1.2038		100	1.2108	1.2258	1500	1.2401	1.242	1.9									
6/2/2010	1.2101	1.2126		125	1.2242	1.2294	1040	1.226	1.226	0									
6/4/2010	1.222	1.229		350	1.2368	1.2444	1520	1.1991	1.1993	0.2	1.2308	1.2392	1680						
6/7/2010	1.2226	1.2253		135	1.2359	1.2452	1860	1.2011	1.2012	0.1	1.227	1.2369	1980						
6/9/2010	1.2241	1.2247		30	1.237	1.2454	1680	1.1999	1.2002	0.3	1.2283	1.2351	1360						
6/11/2010	1.2523	1.2536		65	1.2329	1.2363	1360	1.2323	1.2328	0.5	1.2228	1.2266	1520						
6/14/2010	1.2602	1.2641		195	1.2104	1.2148	1760	1.2165	1.2166	0.1	1.24	1.2423	920						
6/16/2010	1.2622	1.2645		115	1.2115	1.217	2200	1.2186	1.219	0.4	1.2414	1.2457	1720						
6/18/2010	1.2311	1.2347		180	1.2666	1.2696	1200	1.2307	1.2313	0.6	1.2409	1.2441	1280						
6/20/2010	1.2328	1.2362		170	1.2651	1.2703	2080	1.2307	1.231	0.3	1.2402	1.2435	1320						
6/23/2010	1.2403	1.2429		130	1.2701	1.2748	1880	1.2322	1.2327	0.5	1.2469	1.2516	1880						
6/25/2010	1.2375	1.2386		55	1.2728	1.2775	1880	1.2345	1.2349	0.4	1.244	1.247	1200						
6/28/2010	1.2174	1.2188		70				2.2233	2.2236	0.3									
6/30/2010	1.2369	1.2386		85	1.2716	1.2753	1480	1.2435	1.2475	4	1.2452	1.2485	1320						
7/1/2010	1.2121	1.2151		150	1.2558	1.259	1280	1.2339	1.2348	0.9	1.2495	1.2535	1600						
7/2/2010	1.2123	1.215		135	1.2544	1.2583	1560	1.2359	1.2375	1.6	1.2467	1.2511	1760						
7/6/2010	1.2127	1.2153		130	1.2569	1.2605	1440	1.2718	1.2726	0.8	1.2361	1.2395	1360						
7/7/2010	1.2139	1.2167		140	1.2565	1.2601	1440	1.2727	1.2731	0.4	1.2365	1.24	1400						
7/9/2010	1.2134	1.2158		24	1.2536	1.2549	520	1.2735	1.2739	0.4	1.2505	1.2521	640						
7/11/2010	1.2139	1.2156		85	1.2545	1.256	600	1.2715	1.2721	0.6	1.2486	1.2512	1040						
7/16/2010	1.1863	1.189		135	1.1951	1.1977	1040	1.1924	1.1926	0.2	1.1868	1.1889	840						
7/19/2010	1.1804	1.1827		46	1.1904	1.1922	360	1.1864	1.1866	0.2	1.1824	1.1842	720						
7/21/2010	1.1795	1.1811		80	1.1917	1.1934	680	1.1874	1.1887	1.3	1.1831	1.1865	680						
7/23/2010	1.2172	1.2191		95	1.1864	1.1879	600	1.1942	1.1946	0.4	1.1969	1.1983	560						
7/26/2010	1.2173	1.2202		145	1.1877	1.1894	680	1.1929	1.1936	0.7	1.1982	1.2001	760	1.2077	1.2155	3120			
7/28/2010	1.2183	1.221		135	1.1877	1.1897	800	1.1936	1.1943	0.7	1.1979	1.2017	1520	1.2086	1.2117	1240			
7/30/2010	1.2207	1.2227		40	1.1863	1.1879	640	1.1934	1.1934	0	1.2001	1.207	2760	1.2088	1.2184	3840			
8/2/2010	1.2198	1.222		110	1.1872	1.1896	960	1.1949	1.1955	0.6	1.2073	1.2105	1280	1.199	1.2125	5400			
8/4/2010	1.1797	1.1824		135	1.1823	1.1847	960	1.2293	1.2295	0.2	1.1914	1.1964	2000	1.2074	1.216	3440			
8/6/2010	1.1794	1.1808		28	1.1805	1.1823	90	1.2296	1.2306	1	1.1919	1.1958	195	1.2075	1.2205	5200			
8/9/2010	1.1788	1.1807		95	1.1798	1.1827	580	1.2315	1.2319	0.4	1.1902	1.1939	740	1.2097	1.2211	4560			
8/11/2010	1.1799	1.1834		175	1.1799	1.1841	1680	1.2306	1.2308	0.2	1.1906	1.1949	1720	1.211	1.2199	3560			
8/13/2010	1.1788	1.1814		130	1.1802	1.1845	1720	1.2307	1.2311	0.4	1.1908	1.1967	2360	1.2072	1.2164	3680			
8/15/2010	1.1802	1.1824		110	1.1818	1.1863	1800	1.2299	1.2302	0.3	1.1906	1.1945	1560	1.2066	1.2158	3680			
8/20/2010	1.1801	1.183		145	1.1814	1.1845	1240	1.231	1.2312	0.2	1.1916	1.1959	1720	1.2086	1.22	4560			
8/23/2010	1.1807	1.1832		125	1.1824	1.1844	800	1.2314	1.2319	0.5	1.1914	1.1956	1680	1.2089	1.2249	6400			
8/27/2010	1.1807	1.1838		155	1.1805	1.1838	1320	1.232	1.232	0	1.19	1.1937	1480	1.2078	1.218	4080			
8/30/2010	1.1783	1.1826		215	1.1809	1.1841	1280	1.2305	1.2309	0.4	1.1915	1.1971	2240	1.2082	1.2223	5640			
9/1/2010	1.1815	1.1852		74	1.182	1.189	2800	1.2311	1.2313	0.2	1.1902	1.1962	2400	1.2095	1.2227	5280			
9/3/2010	1.1818	1.1862		88	1.181	1.1837	1080	1.2291	1.2292	0.1	1.1906	1.1932	1040	1.2094	1.2207	4520			
9/8/2010	1.18	1.184		200	1.1825	1.1901	3040	1.2303	1.2313	1	1.1924	1.1991	2680	1.2084	1.2211	5080			
9/10/2010	1.1821	1.1841		100	1.1826	1.1912	3440	1.2317	1.2322	0.5	1.1928	1.2004	3040	1.2083	1.2216	5320			
9/12/2010	1.1805	1.1836		155	1.1826	1.1891	2600	1.2322	1.2319	0.3	1.1923	1.1988	2600	1.2098	1.2212	4560			
9/15/2010	1.1825	1.1861		180	1.1668	1.1705	1480	1.2155	1.2155	0	1.1765	1.1797	1280	1.1905	1.2011	4240			
9/17/2010	1.2564	1.2573		45	1.2576	1.2609	1320	1.4002	1.4002	0	1.1768	1.1801	1320	1.1913	1.2007	3760			
9/22/2010			120.8333333	1.21305745	1.21723191	1330.42553	1.25035	1.25095417	0.60416667								4340.95238		
Mean			117.64				1319.6			0.392			1567				4340.95238		
t Interval			2.063898562				2.06389856			2.06389856			2.06389856				2.08596345		
Standard			49.56719345				855.211865			0.33901819			782.602496				1104.94301		
Count			25				25			25			25				21		
Conf. Intv			20.46033185				353.014107			0.13993983			323.042433				502.964026		



Date	Influent			Mixed Liquor (Aerobic)			Effluent			Mixed Liquor (Anoxic)			Mixed Liquor (Aerobic Judge)		
	Initial	Final	Value	Initial	Final	Value	Initial	Final	Value	Initial	Final	Value	Initial	Final	Value
#####	1.2432	1.2415	85	1.2439	1.2405	340	1.2492	1.2489	0.3	1.2455	1.2409	460			
#####	1.2473	1.2453	100	1.2429	1.2401	280	1.2377	1.2375	0.2						
#####	1.2141	1.2105	180	1.2048	1.2003	450	1.2408	1.2406	0.2						
#####	1.2038	1.2019	95	1.2258	1.2131	1270	1.242	1.2401	1.9						
#####	1.2126	1.2105	105	1.2294	1.2251	860	1.226	1.226	0						
#####	1.229	1.223	300	1.2444	1.238	1280	1.1993	1.1991	0.2	1.2392	1.2322	1400			
#####	1.2253	1.2229	120	1.2452	1.2371	1620	1.2012	1.2011	0.1	1.2369	1.2284	1700			
#####	1.2247	1.2243	20	1.2454	1.2385	1380	1.2002	1.1999	0.3	1.2351	1.2298	1060			
#####	1.2536	1.2523	65	1.2363	1.2334	1160	1.2328	1.2326	0.2	1.2266	1.2236	1200			
#####	1.2641	1.2607	170	1.2148	1.2116	1280	1.2166	1.2165	0.1	1.2423	1.2402	840			
#####	1.2645	1.2623	110	1.217	1.2123	1880	1.219	1.2188	0.2	1.2457	1.2422	1400			
#####	1.2347	1.2312	175	1.2696	1.2664	1280	1.2313	1.2309	0.4	1.2441	1.241	1240			
#####	1.2362	1.2333	145	1.2703	1.2658	1800	1.231	1.2307	0.3	1.2435	1.24	1400			
#####	1.2429	1.2406	115	1.2748	1.2708	1600	1.2327	1.2323	0.4	1.2516	1.2471	1800			
#####	1.2386	1.2375	55	1.2775	1.2736	1560	1.2349	1.2345	0.4	1.247	1.244	1200			
#####	2.2188	2.2174	70				2.2236	2.2233	0.3						
#####	1.2386	1.2372	70	1.2753	1.2721	1280	1.2475	1.244	3.5	1.2485	1.2455	1200			
#####	1.2151	1.2124	135	1.259	1.2561	1160	1.2348	1.2342	0.6	1.2535	1.2501	1360			
#####	1.215	1.2125	125	1.2583	1.255	1320	1.2375	1.2359	1.6	1.2511	1.2472	1560			
#####	1.2153	1.2135	90	1.2605	1.2572	1320	1.2726	1.2721	0.5	1.2395	1.2363	1280			
#####	1.2167	1.2144	115	1.2601	1.2572	1160	1.2731	1.2728	0.3	1.24	1.237	1200			
#####	1.2158	1.2142	16	1.2549	1.2537	480	1.2739	1.2735	0.4	1.2521	1.2506	600			
#####	1.2156	1.214	80	1.256	1.2546	560	1.2721	1.2716	0.5	1.2512	1.2491	840			
#####	1.1864	1.189	130	1.1955	1.1977	880	1.1924	1.1926	0.2	1.187	1.1889	760			
#####	1.1805	1.1827	44	1.1908	1.1922	280	1.1864	1.1866	0.2	1.1828	1.1842	560			
#####	1.1799	1.1811	60	1.1918	1.1934	640	1.1876	1.1887	1.1	1.1837	1.1865	560			
#####	1.2174	1.2191	85	1.1867	1.1879	480	1.1941	1.1946	0.5	1.1967	1.1983	640			
#####	1.2174	1.2202	140	1.1877	1.1894	680	1.1931	1.1936	0.5	1.1982	1.2001	760	1.2091	1.2155	2560
#####	1.2187	1.221	115	1.1877	1.1897	800	1.1939	1.1943	0.4	1.198	1.2017	1480	1.2088	1.2117	1160
#####	1.2211	1.2227	32	1.1863	1.1879	640	1.1934	1.1934	0	1.2014	1.207	2240	1.2109	1.2184	3000
#####	1.22	1.222	100	1.1875	1.1896	840	1.1953	1.1955	0.2	1.2073	1.2105	1280	1.2019	1.2125	4240
#####	1.1798	1.1824	130	1.1826	1.1847	840	1.2293	1.2295	0.2	1.1924	1.1964	1600	1.2092	1.216	2720
#####	1.1794	1.1808	28	1.1805	1.1823	90	1.2302	1.2306	0.4	1.1925	1.1958	165	1.2103	1.2205	4080
#####	1.1788	1.1807	95	1.1799	1.1827	560	1.2315	1.2319	0.4	1.1906	1.1939	660	1.2116	1.2211	3800
#####	1.1803	1.1834	155	1.1805	1.1841	1440	1.2307	1.2308	0.1	1.1914	1.1949	1400	1.2124	1.2199	3000
#####	1.1789	1.1814	125	1.1805	1.1845	1600	1.2307	1.2311	0.4	1.1916	1.1967	2040	1.2092	1.2164	2880
#####	1.1804	1.1824	100	1.1827	1.1863	1440	1.2299	1.2302	0.3	1.1912	1.1945	1320	1.2084	1.2158	2960
#####	1.1801	1.1839	190	1.1817	1.1845	1120	1.231	1.2312	0.2	1.1922	1.1959	1480	1.2109	1.22	3640
#####	1.1809	1.1832	115	1.1824	1.1844	800	1.2314	1.2319	0.5	1.1919	1.1956	1480	1.2126	1.2249	4920
#####	1.1811	1.1838	135	1.1808	1.1838	1200	1.232	1.232	0	1.1902	1.1937	1400	1.2095	1.218	3400
#####	1.1796	1.1826	150	1.1811	1.1841	1200	1.2305	1.2309	0.4	1.1923	1.1971	1920	1.2111	1.2223	4480
#####	1.1823	1.1852	58	1.1829	1.189	2440	1.2313	1.2313	0	1.1906	1.1962	2240	1.2119	1.2227	4320
#####	1.1824	1.1862	76	1.1813	1.1837	960	1.2292	1.2292	0	1.1911	1.1932	840	1.2115	1.2207	3680
#####	1.1803	1.184	185	1.1831	1.1901	2800	1.2303	1.2313	1	1.1931	1.1991	2400	1.2101	1.2211	4400
#####	1.1823	1.1841	90	1.1836	1.1912	3040	1.2319	1.2322	0.3	1.194	1.2004	2560	1.2108	1.2216	4320
#####	1.1808	1.1836	140	1.1836	1.1891	2200	1.2319	1.2322	0.3	1.1936	1.1988	2080	1.2121	1.2212	3640
#####			0			0			0						
#####			0			0			0						
#####			0			0			0						
#####			0			0			0						
Mean		107.7391304				1172.61			0.33043478			1385.434783			3536.84211
t Interva		2.073873068				2.07387			2.07387307			2.073873068			2.10092204
Standard		44.72462957				780.176			0.28031603			679.8644802			891.472269

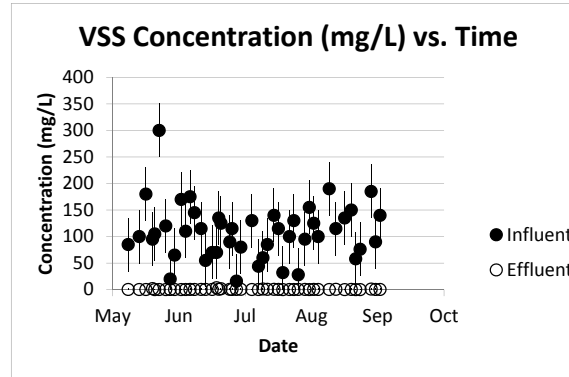
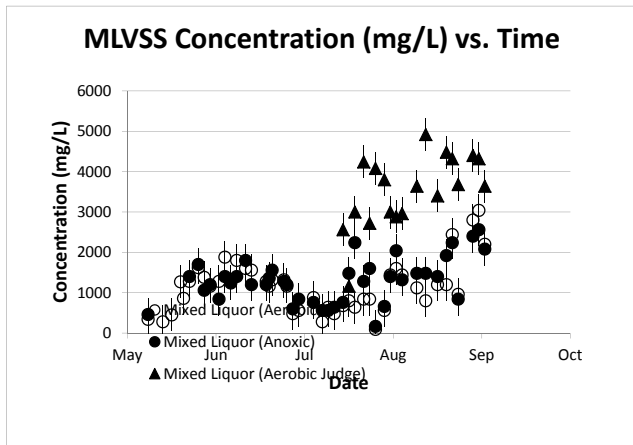
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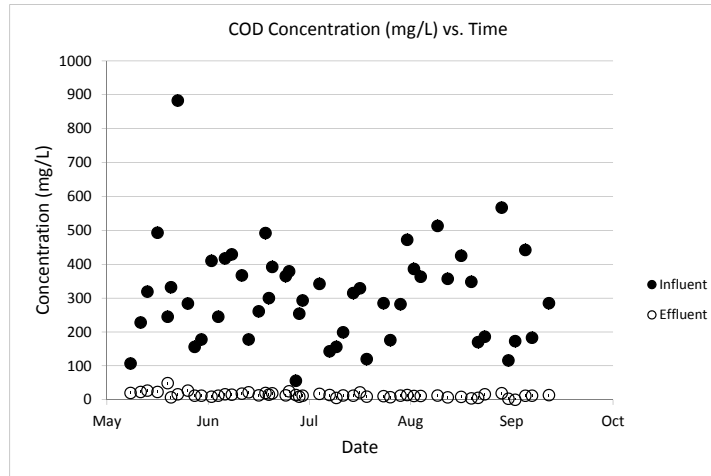
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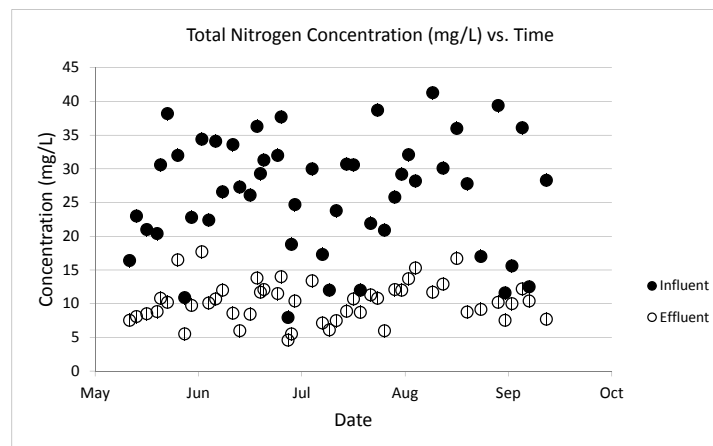


Date	Influent	Effluent
5/21/2010	107	20
5/24/2010	228	23
5/26/2010	319	27
5/29/2010	493	23
6/1/2010	245	49
6/2/2010	332	7
6/4/2010	883	16
6/7/2010	284	27
6/9/2010	156	12
6/11/2010	178	12
6/14/2010	410	9
6/16/2010	245	12
6/18/2010	417	16
6/20/2010	429	15
6/23/2010	367	18
6/25/2010	178	22
6/28/2010	261	13
6/30/2010	492	20
7/1/2010	300	15
7/2/2010	392	19
7/6/2010	365	13
7/7/2010	379	25
7/9/2010	56	14
7/10/2010	254	9
7/11/2010	293	12
7/16/2010	342	17.3
7/19/2010	143	13.9
7/21/2010	156	5.34
7/23/2010	199	12.7
7/26/2010	315	12
7/28/2010	329	21.7
7/30/2010	120	9.2
8/4/2010	285	10.5
8/6/2010	176	7.45
8/9/2010	282	12.1
8/11/2010	472	13.9
8/13/2010	386	11.1
8/15/2010	363	11.1
8/20/2010	513	12.4
8/23/2010	357	7
8/27/2010	425	8.47
8/30/2010	348	4.01
9/1/2010	170	5.54
9/3/2010	186	16
9/8/2010	567	19.3
9/10/2010	116	2.92
9/12/2010	173	0
9/15/2010	442	11.8
9/17/2010	183	11.9
9/22/2010	285	13.7

Mean	293.32	10.8532
t Interval	2.06389856	2.06389856
Standard Dev	128.836046	5.0648229
Count	25	25
Conf. Intvl.	53.1809059	2.09065614

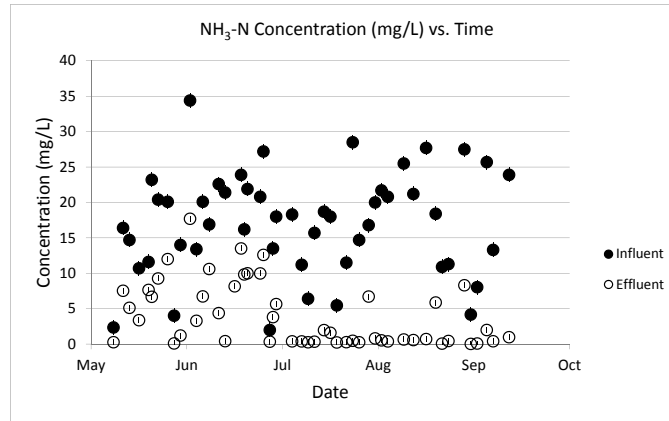


Date	Influent	Effluent
5/24/2010	16.4	7.53
5/26/2010	23	8.09
5/29/2010	21	8.51
6/1/2010	20.4	8.83
6/2/2010	30.6	10.8
6/4/2010	38.2	10.2
6/7/2010	32	16.5
6/9/2010	10.9	5.52
6/11/2010	22.8	9.74
6/14/2010	34.4	17.7
6/16/2010	22.4	10.1
6/18/2010	34.1	10.7
6/20/2010	26.6	12
6/23/2010	33.6	8.58
6/25/2010	27.3	5.99
6/28/2010	26.1	8.43
6/30/2010	36.3	13.8
7/1/2010	29.3	11.7
7/2/2010	31.3	12.1
7/6/2010	32	11.5
7/7/2010	37.7	14
7/9/2010	7.95	4.59
7/10/2010	18.8	5.51
7/11/2010	24.7	10.4
7/16/2010	30	13.4
7/19/2010	17.3	7.13
7/21/2010	12	6.11
7/23/2010	23.8	7.49
7/26/2010	30.7	8.87
7/28/2010	30.6	10.7
7/30/2010	12	8.71
8/2/2010	21.9	11.3
8/4/2010	38.7	10.8
8/6/2010	20.9	5.98
8/9/2010	25.8	12.1
8/11/2010	29.2	12
8/13/2010	32.1	13.7
8/15/2010	28.2	15.3
8/20/2010	41.3	11.7
8/23/2010	30.1	12.9
8/27/2010	36	16.7
8/30/2010	27.8	8.76
9/3/2010	17	9.15
9/8/2010	39.4	10.2
9/10/2010	11.6	7.53
9/12/2010	15.6	10
9/15/2010	36.1	12.2
9/17/2010	12.5	10.4
9/22/2010	28.3	7.69
Mean	25.956	10.4328
t Interval	2.06389856	2.06389856
Standard Dev	9.14681547	2.76574812
Count	25	25
Conf. Intvl.	3.77561986	1.14164471



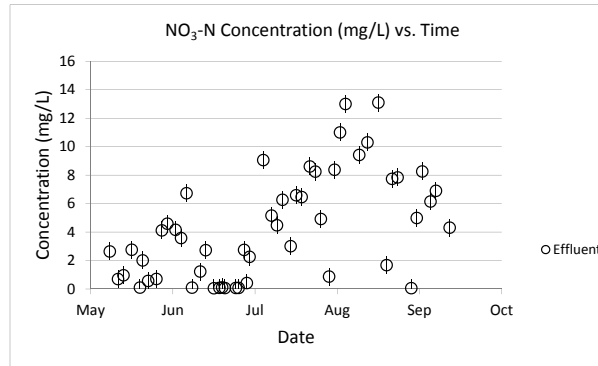
Date	Influent	Effluent	I-E
5/21/2010	2.35	0.267	2.083
5/24/2010	16.4	7.53	8.87
5/26/2010	14.7	5.12	9.58
5/29/2010	10.7	3.38	7.32
6/1/2010	11.6	7.65	3.95
6/2/2010	23.2	6.68	16.52
6/4/2010	20.4	9.27	11.13
6/7/2010	20.1	12	8.1
6/9/2010	4.01	0.1	3.91
6/11/2010	14	1.21	12.79
6/14/2010	34.4	17.7	16.7
6/16/2010	13.4	3.29	10.11
6/18/2010	20.1	6.73	13.37
6/20/2010	16.9	10.6	6.3
6/23/2010	22.6	4.38	18.22
6/25/2010	21.4	0.413	20.987
6/28/2010		8.16	
6/30/2010	23.9	13.5	10.4
7/1/2010	16.2	9.84	6.36
7/2/2010	21.9	10	11.9
7/6/2010	20.8	9.98	10.82
7/7/2010	27.2	12.6	14.6
7/9/2010	1.99	0.34	1.65
7/10/2010	13.5	3.81	9.69
7/11/2010	18	5.65	12.35
7/16/2010	18.3	0.39	17.91
7/19/2010	11.2	0.38	10.82
7/21/2010	6.4	0.26	6.14
7/23/2010	15.7	0.34	15.36
7/26/2010	18.7	1.98	16.72
7/28/2010	18	1.6	16.4
7/30/2010	5.47	0.23	5.24
8/2/2010	11.5	0.27	11.23
8/4/2010	28.5	0.47	28.03
8/6/2010	14.7	0.26	14.44
8/9/2010	16.8	6.71	10.09
8/11/2010	20	0.805	19.195
8/13/2010	21.7	0.53	21.17
8/15/2010	20.8	0.38	20.42
8/20/2010	25.5	0.653	24.847
8/23/2010	21.2	0.57	20.63
8/27/2010	27.7	0.715	26.985
8/30/2010	18.4	5.87	12.53
9/1/2010	10.9	0.068	10.832
9/3/2010	11.3	0.443	10.857
9/8/2010	27.5	8.31	19.19
9/10/2010	4.17	0.028	4.142
9/12/2010	8.04	0.082	7.958
9/15/2010	25.7	1.99	23.71
9/17/2010	13.3	0.404	12.896
9/22/2010	23.9	0.977	22.923

Mean	17.13	1.33519231
t Interval	2.05953855	2.05953855
Standard Dev	7.11983708	2.16501625
Count	26	26
Conf. Intvl.	2.87576443	0.87446899



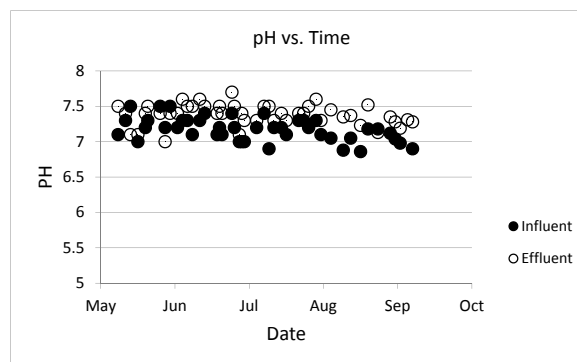
Date	I-E	Effluent
5/21/2010	2.083	2.64
5/24/2010	8.87	0.699
5/26/2010	9.58	0.966
5/29/2010	7.32	2.76
6/1/2010	3.95	0.1
6/2/2010	16.52	2.01
6/4/2010	11.13	0.568
6/7/2010	8.1	0.707
6/9/2010	3.91	4.12
6/11/2010	12.79	4.59
6/14/2010	16.7	4.16
6/16/2010	10.11	3.58
6/18/2010	13.37	6.73
6/20/2010	6.3	0.097
6/23/2010	18.22	1.23
6/25/2010	20.987	2.73
6/28/2010		0.053
6/30/2010	10.4	0.08
7/1/2010	6.36	0.115
7/2/2010	11.9	0.068
7/6/2010	10.82	0.075
7/7/2010	14.6	0.079
7/9/2010	1.65	2.75
7/10/2010	9.69	0.422
7/11/2010	12.35	2.26
7/16/2010	17.91	9.06
7/19/2010	10.82	5.16
7/21/2010	6.14	4.48
7/23/2010	15.36	6.27
7/26/2010	16.72	3.01
7/28/2010	16.4	6.59
7/30/2010	5.24	6.46
8/2/2010	11.23	8.61
8/4/2010	28.03	8.25
8/6/2010	14.44	4.92
8/9/2010	10.09	0.876
8/11/2010	19.195	8.38
8/13/2010	21.17	11
8/15/2010	20.42	13
8/20/2010	24.847	9.42
8/23/2010	20.63	10.3
8/27/2010	26.985	13.1
8/30/2010	12.53	1.68
9/1/2010	10.832	7.74
9/3/2010	10.857	7.84
9/8/2010	19.19	0.059
9/10/2010	4.142	4.99
9/12/2010	7.958	8.26
9/15/2010	23.71	6.15
9/17/2010	12.896	6.9
9/22/2010	22.923	4.31

Mean 6.80057692
 t Interval 2.05953855
 Standard Dev 3.31682287
 Count 26
 Conf. Intvl. 1.33969375

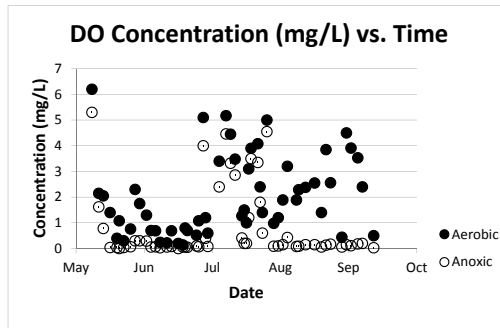


Date	Influent	Effluent
5/21/2010	7.1	7.5
5/24/2010	7.3	7.4
5/26/2010	7.5	7.1
5/29/2010	7	7.1
6/1/2010	7.2	7.4
6/2/2010	7.3	7.5
6/7/2010	7.5	7.4
6/9/2010	7.2	7
6/11/2010	7.5	7.4
6/14/2010	7.2	7.4
6/16/2010	7.3	7.6
6/18/2010	7.3	7.5
6/20/2010	7.1	7.5
6/23/2010	7.3	7.6
6/25/2010	7.4	7.5
6/28/2010		
6/30/2010	7.1	7.4
7/1/2010	7.2	7.5
7/2/2010	7.1	7.4
7/6/2010	7.4	7.7
7/7/2010	7.2	7.5
7/9/2010	7	7.1
7/10/2010	7	7.4
7/11/2010	7	7.3
7/16/2010	7.2	7.3
7/19/2010	7.4	7.5
7/21/2010	6.9	7.5
7/23/2010	7.2	7.3
7/26/2010	7.2	7.4
7/28/2010	7.1	7.3
8/2/2010	7.3	7.4
8/4/2010	7.3	7.4
8/6/2010	7.2	7.5
8/9/2010	7.3	7.6
8/11/2010	7.1	7.3
8/15/2010	7.05	7.45
8/20/2010	6.88	7.35
8/23/2010	7.05	7.37
8/27/2010	6.86	7.23
8/30/2010	7.18	7.52
9/3/2010	7.18	7.13
9/8/2010	7.12	7.35
9/10/2010	7.04	7.28
9/12/2010	6.98	7.19
9/15/2010		7.31
9/17/2010	6.9	7.28
9/22/2010		

Mean	7.11619048	7.36181818
t Interval	2.08596345	2.07961384
Standard Dev	0.1527572	0.11619509
Count	21	22
Conf. Intvl.	0.06953424	0.05151802

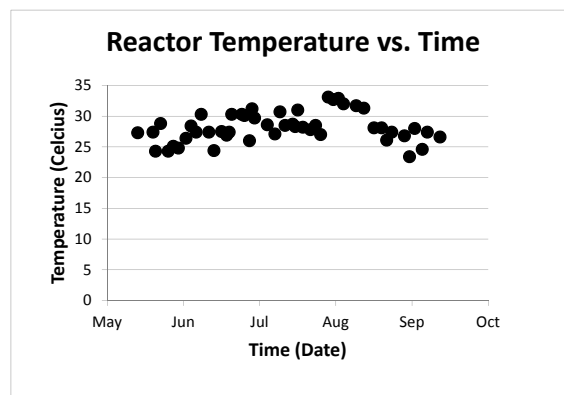


Date	Aerobic	Anoxic
5/21/2010	6.2	5.3
5/24/2010	2.15	1.62
5/26/2010	2.05	0.78
5/29/2010	1.4	0.04
6/1/2010	0.4	0.04
6/2/2010	1.08	0
6/4/2010	0.3	0.04
6/7/2010	0.76	0.07
6/9/2010	2.3	0.3
6/11/2010	1.75	0.3
6/14/2010	1.3	0.29
6/16/2010	0.7	0.06
6/18/2010	0.69	0.07
6/20/2010	0.24	0.03
6/23/2010	0.22	0.06
6/25/2010	0.69	0.08
6/28/2010	0.2	0
6/30/2010	0.14	0.06
7/1/2010	0.8	0.06
7/2/2010	0.7	0.05
7/6/2010	0.52	0.1
7/7/2010	1.08	0.07
7/9/2010	5.1	4
7/10/2010	1.2	0.4
7/11/2010	0.6	0.08
7/16/2010	3.4	2.4
7/19/2010	5.17	4.46
7/21/2010	4.45	3.32
7/23/2010	3.48	2.86
7/26/2010	1.27	0.41
7/27/2010	1.5	0.2
7/28/2010	1	0.2
7/29/2010	3.1	1.2
7/30/2010	3.9	3.5
8/2/2010	4.08	3.35
8/3/2010	2.4	1.8
8/4/2010	1.4	0.6
8/6/2010	5	4.55
8/9/2010	0.98	0.09
8/11/2010	1.2	0.1
8/13/2010	1.89	0.15
8/15/2010	3.2	0.43
8/19/2010	1.89	0.08
8/20/2010	2.29	0.09
8/23/2010	2.38	0.15
8/27/2010	2.55	0.15
8/30/2010	1.4	0.06
9/1/2010	3.85	0.13
9/3/2010	2.56	0.17
9/8/2010	0.44	0.06
9/10/2010	4.5	0.15
9/12/2010	3.91	0.11
9/15/2010	3.53	0.18
9/17/2010	2.4	0.2
9/22/2010	0.5	0.03
Mean	2.654	1.03933333
t Interval	2.04522964	2.04522964
Standard Dev	1.34771735	1.46636057
Count	30	30
Conf. Intvl.	0.50324593	0.54754804



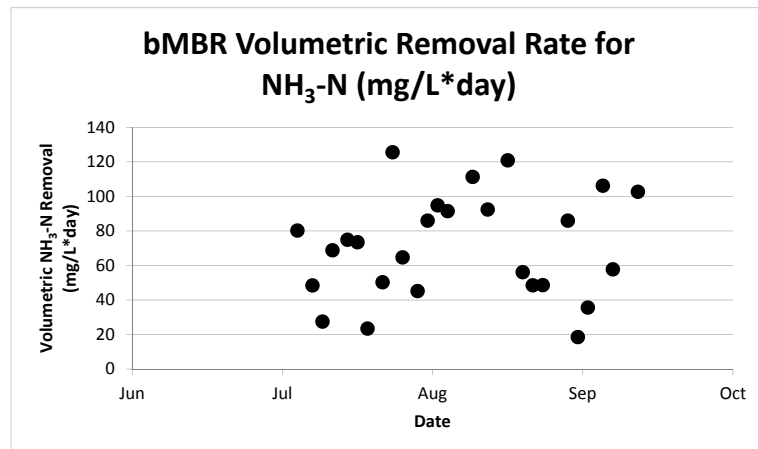
Date	Temperature (C)
5/26/2010	27.3
6/1/2010	27.4
6/2/2010	24.3
6/4/2010	28.8
6/7/2010	24.3
6/9/2010	25.1
6/11/2010	24.8
6/14/2010	26.4
6/16/2010	28.4
6/18/2010	27.4
6/20/2010	30.3
6/23/2010	27.4
6/25/2010	24.4
6/28/2010	27.5
6/30/2010	26.9
7/1/2010	27.4
7/2/2010	30.3
7/6/2010	30.3
7/7/2010	30.1
7/9/2010	26
7/10/2010	31.2
7/11/2010	29.7
7/16/2010	28.6
7/19/2010	27.1
7/21/2010	30.7
7/23/2010	28.5
7/26/2010	28.7
7/27/2010	28.3
7/28/2010	31
7/30/2010	28.2
8/2/2010	27.8
8/4/2010	28.5
8/6/2010	27
8/9/2010	33.1
8/11/2010	32.7
8/13/2010	32.9
8/15/2010	32
8/20/2010	31.7
8/23/2010	31.3
8/27/2010	28.1
8/30/2010	28.1
9/1/2010	26.1
9/3/2010	27.4
9/8/2010	26.8
9/10/2010	23.4
9/12/2010	28
9/15/2010	24.6
9/17/2010	27.4
9/22/2010	26.6

Mean 28.6888889
 t Interval 2.05552944
 Standard Dev 2.48043627
 Count 27
 Conf. Intvl. 0.98122791



Date	Influent (mg/L)	Effluent (mg/L)	Flow Rate (mL/min)	Influent (mg/min)	Effluent (mg/min)	NH3 Removed (mg/min)	NH3 Removed per Vol (mg/L*mi)	NH3 Removed per Vol Day (mg/L*day)
7/16/2010	18.3	0.39		6.0939	0.12987	5.96403	0.055738598	80.26358131
7/19/2010	11.2	0.38		3.7296	0.12654	3.60306	0.033673458	48.48977944
7/21/2010	6.4	0.26		2.1312	0.08658	2.04462	0.019108598	27.51638131
7/23/2010	15.7	0.34		5.2281	0.11322	5.11488	0.047802617	68.83576822
7/26/2010	18.7	1.98		6.2271	0.65934	5.56776	0.05203514	74.93060187
7/28/2010	18	1.6		5.994	0.5328	5.4612	0.051039252	73.49652336
7/30/2010	5.47	0.23		1.82151	0.07659	1.74492	0.016307664	23.48303551
8/2/2010	11.5	0.27		3.8295	0.08991	3.73959	0.034949439	50.32719252
8/4/2010	28.5	0.47		9.4905	0.15651	9.33399	0.087233551	125.616314
8/6/2010	14.7	0.26		4.8951	0.08658	4.80852	0.044939439	64.71279252
8/9/2010	16.8	6.71		5.5944	2.23443	3.35997	0.031401589	45.21828785
8/11/2010	20	0.805		6.66	0.268065	6.391935	0.05973771	86.0223028
8/13/2010	21.7	0.53		7.2261	0.17649	7.04961	0.065884206	94.87325607
8/15/2010	20.8	0.38		6.9264	0.12654	6.79986	0.063550093	91.51213458
8/20/2010	25.5	0.653		8.4915	0.217449	8.274051	0.077327579	111.3517144
8/23/2010	21.2	0.57		7.0596	0.18981	6.86979	0.064203645	92.4532486
8/27/2010	27.7	0.715		9.2241	0.238095	8.986005	0.083981355	120.9331514
8/30/2010	18.4	5.87		6.1272	1.95471	4.17249	0.038995234	56.15313645
9/1/2010	10.9	0.068		3.6297	0.022644	3.607056	0.033710804	48.54355738
9/3/2010	11.3	0.443		3.7629	0.147519	3.615381	0.033788607	48.65559477
9/8/2010	27.5	8.31		9.1575	2.76723	6.39027	0.05972215	85.99989533
9/10/2010	4.17	0.028		1.38861	0.009324	1.379286	0.012890523	18.56235364
9/12/2010	8.04	0.082		2.67732	0.027306	2.650014	0.024766486	35.66373981
9/15/2010	25.7	1.99		8.5581	0.66267	7.89543	0.073789065	106.2562542
9/17/2010	13.3	0.404		4.4289	0.134532	4.294368	0.04013428	57.79336374
9/22/2010	23.9	0.977		7.9587	0.325341	7.633359	0.071339804	102.7293174

Mean	70.78435687
t Interval	2.059538553
Standard Dev.	30.0337072
Count	26
Conf. Intvl.	12.13087687

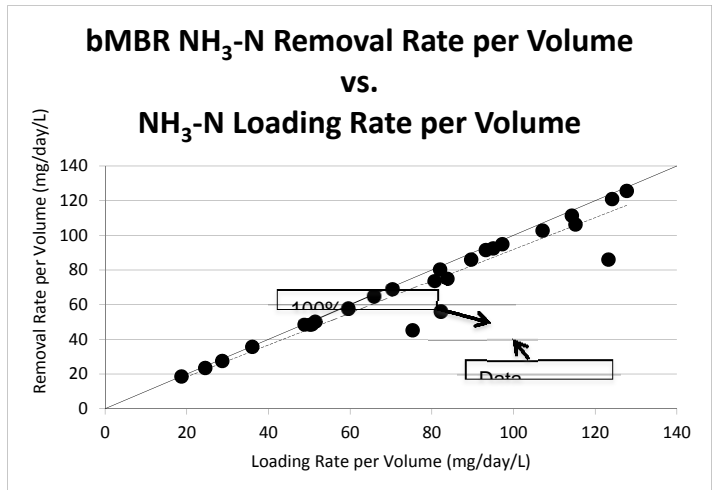


y)

Date	Influent	Effluent	Flow Rate (L/	Influent-Efflu	Removal *Flo	Influent*Flow	Removal [Q(r	Load [Q(influ	0	0 % Removal
7/16/2010	18.3	0.39	17.91	8588.2032	8775.216	80.2635813	82.0113645	450	450	97.8688525
7/19/2010	11.2	0.38	10.82	5188.4064	5370.624	48.4897794	50.1927477			96.6071429
7/21/2010	6.4	0.26	6.14	2944.2528	3068.928	27.5163813	28.6815701			95.9375
7/23/2010	15.7	0.34	15.36	7365.4272	7528.464	68.8357682	70.3594766			97.8343949
7/26/2010	18.7	1.98	16.72	8017.5744	8967.024	74.9306019	83.8039626			89.4117647
7/28/2010	18	1.6	16.4	7864.128	8631.36	73.4965234	80.6669159			91.1111111
7/30/2010	5.47	0.23	5.24	2512.6848	2622.9744	23.4830355	24.5137794			95.7952468
8/2/2010	11.5	0.27	11.23	5385.0096	5514.48	50.3271925	51.5371963			97.6521739
8/4/2010	28.5	0.47	28.03	13440.9456	13666.32	125.616314	127.722617			98.3508772
8/6/2010	14.7	0.26	14.44	6924.2688	7048.944	64.7127925	65.8779813			98.2312925
8/9/2010	16.8	6.71	10.09	4838.3568	8055.936	45.2182879	75.2891215			60.0595238
8/11/2010	20	0.805	19.195	9204.3864	9590.4	86.0223028	89.6299065			95.975
8/13/2010	21.7	0.53	21.17	10151.4384	10405.584	94.8732561	97.2484486			97.5576037
8/15/2010	20.8	0.38	20.42	9791.7984	9974.016	91.5121346	93.2151028			98.1730769
8/20/2010	25.5	0.653	24.847	11914.6334	12227.76	111.351714	114.278131			97.4392157
8/23/2010	21.2	0.57	20.63	9892.4976	10165.824	92.4532486	95.0077009			97.3113208
8/27/2010	27.7	0.715	26.985	12939.8472	13282.704	120.933151	124.137421			97.4187726
8/30/2010	18.4	5.87	12.53	6008.3856	8823.168	56.1531364	82.459514			68.0978261
9/1/2010	10.9	0.068	10.832	5194.16064	5226.768	48.5435574	48.8482991			99.3761468
9/3/2010	11.3	0.443	10.857	5206.14864	5418.576	48.6555948	50.6408972			96.079646
9/8/2010	27.5	8.31	19.19	9201.9888	13186.8	85.9998953	123.241121			69.7818182
9/10/2010	4.17	0.028	4.142	1986.17184	1999.5984	18.5623536	18.6878355			99.3285372
9/12/2010	8.04	0.082	7.958	3816.02016	3855.3408	35.6637398	36.0312224			98.9800995
9/15/2010	25.7	1.99	23.71	11369.4192	12323.664	106.256254	115.17443			92.2568093
9/17/2010	13.3	0.404	12.896	6183.88992	6377.616	57.7933637	59.6038879			96.962406
9/22/2010	23.9	0.977	22.923	10992.037	11460.528	102.729317	107.107738			95.9121339

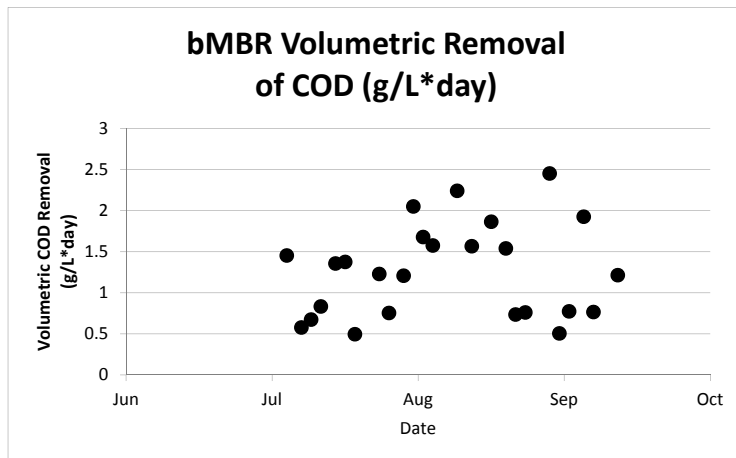
125.616314

Mean 93.0580882
t Interval 2.05953855
Standard Dev 10.3531492
Count 26
Conf. Intvl. 4.18172746



Date	Influent	Effluent	Flow Rate (mL/min)	Influent (mg/min)	Effluent (mg/min)	COD Removed (mg/min)	COD Removed per Vol (mg/L*mi)	COD Removed per Vol Day (mg/L*d)
7/16/2010	342	17.3		113.886	5.7609	108.1251	1.010514953	1.455141533
7/19/2010	143	13.9		47.619	4.6287	42.9903	0.401778505	0.578561047
7/21/2010	156	5.34		51.948	1.77822	50.16978	0.468876449	0.675182086
7/23/2010	199	12.7		66.267	4.2291	62.0379	0.579793458	0.834902579
7/26/2010	315	12		104.895	3.996	100.899	0.942981308	1.357893084
7/28/2010	329	21.7		109.557	7.2261	102.3309	0.956363551	1.377163514
7/30/2010	120	9.2		39.96	3.0636	36.8964	0.344826168	0.496549682
8/4/2010	285	10.5		94.905	3.4965	91.4085	0.854285047	1.230170467
8/6/2010	176	7.45		58.608	2.48085	56.12715	0.524552804	0.755356037
8/9/2010	282	12.1		93.906	4.0293	89.8767	0.839969159	1.209555589
8/11/2010	472	13.9		157.176	4.6287	152.5473	1.425675701	2.052973009
8/13/2010	386	11.1		128.538	3.6963	124.8417	1.16674486	1.680112598
8/15/2010	363	11.1		120.879	3.6963	117.1827	1.095165421	1.577038206
8/20/2010	513	12.4		170.829	4.1292	166.6998	1.557942056	2.243436561
8/23/2010	357	7		118.881	2.331	116.55	1.089252336	1.568523364
8/27/2010	425	8.47		141.525	2.82051	138.70449	1.296303645	1.866677249
8/30/2010	348	4.01		115.884	1.33533	114.54867	1.070548318	1.541589578
9/1/2010	170	5.54		56.61	1.84482	54.76518	0.511824112	0.737026721
9/3/2010	186	16		61.938	5.328	56.61	0.529065421	0.761854206
9/8/2010	567	19.3		188.811	6.4269	182.3841	1.704524299	2.454514991
9/10/2010	116	2.92		38.628	0.97236	37.65564	0.351921869	0.506767492
9/12/2010	173	0		57.609	0	57.609	0.538401869	0.775298692
9/15/2010	442	11.8		147.186	3.9294	143.2566	1.338846729	1.92793929
9/17/2010	183	11.9		60.939	3.9627	56.9763	0.532488785	0.76678385
9/22/2010	285	13.7		94.905	4.5621	90.3429	0.844326168	1.215829682

293.32	0	97.67556	0	97.67556 Mean	1.265873644
293.32	10.8532	97.67556	3.6141156	94.0614444 t Interval	2.063898562
				Standard Dev.	0.56811928
				Count	25
				Conf. Intvl.	0.234508113

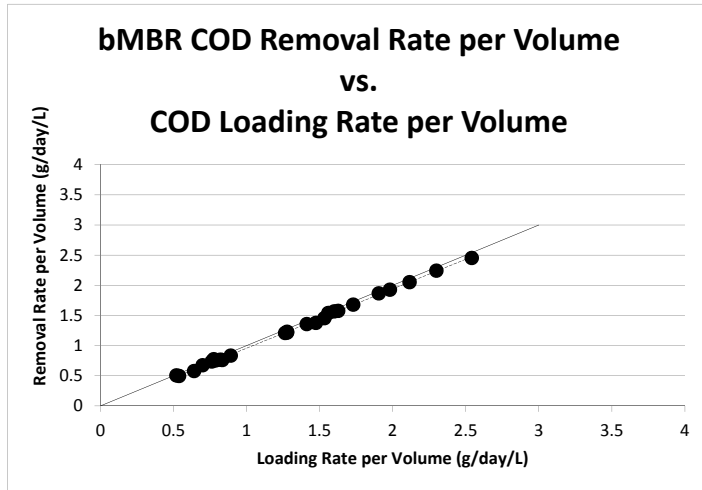


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Date	Influent	Effluent	Flow Rate (L/	Influent-Efflu	Removal *	Flowrate (mg/day)	Influent*Flowrate	(mg/day)	Removal [Q(r	Load [Q(influ	0	0 % Removal
7/16/2010	342	17.3			324.7	155700.144	163995.84	1.45514153	1.5326714	3	94.9415205	
7/19/2010	143	13.9			129.1	61906.032	68571.36	0.57856105	0.64085383		90.2797203	
7/21/2010	156	5.34			150.66	72244.4832	74805.12	0.67518209	0.69911327		96.5769231	
7/23/2010	199	12.7			186.3	89334.576	95424.48	0.83490258	0.89181757		93.6180905	
7/26/2010	315	12			303	145294.56	151048.8	1.35789308	1.41167103		96.1904762	
7/28/2010	329	21.7			307.3	147356.496	157762.08	1.37716351	1.47441196		93.4042553	
7/30/2010	120	9.2			110.8	53130.816	57542.4	0.49654968	0.53777944		92.3333333	
8/4/2010	285	10.5			274.5	131628.24	136663.2	1.23017047	1.27722617		96.3157895	
8/6/2010	176	7.45			168.55	80823.096	84395.52	0.75535604	0.78874318		95.7670455	
8/9/2010	282	12.1			269.9	129422.448	135224.64	1.20955559	1.26378168		95.7092199	
8/11/2010	472	13.9			458.1	219668.112	226333.44	2.05297301	2.11526579		97.0550847	
8/13/2010	386	11.1			374.9	179772.048	185094.72	1.6801126	1.7298572		97.1243523	
8/15/2010	363	11.1			351.9	168743.088	174065.76	1.57703821	1.6267828		96.9421488	
8/20/2010	513	12.4			500.6	240047.712	245993.76	2.24343656	2.2990071		97.582846	
8/23/2010	357	7			350	167832	171188.64	1.56852336	1.59989383		98.0392157	
8/27/2010	425	8.47			416.53	199734.4656	203796	1.86667725	1.90463551		98.0070588	
8/30/2010	348	4.01			343.99	164950.0848	166872.96	1.54158958	1.55956037		98.8477011	
9/1/2010	170	5.54			164.46	78861.8592	81518.4	0.73702672	0.76185421		96.7411765	
9/3/2010	186	16			170	81518.4	89190.72	0.76185421	0.83355813		91.3978495	
9/8/2010	567	19.3			547.7	262633.104	271887.84	2.45451499	2.54100785		96.5961199	
9/10/2010	116	2.92			113.08	54224.1216	55624.32	0.50676749	0.51985346		97.4827586	
9/12/2010	173	0			173	82956.96	82956.96	0.77529869	0.77529869		100	
9/15/2010	442	11.8			430.2	206289.504	211947.84	1.92793929	1.98082093		97.3303167	
9/17/2010	183	11.9			171.1	82045.872	87752.16	0.76678385	0.82011364		93.4972678	
9/22/2010	285	13.7			271.3	130093.776	136663.2	1.21582968	1.27722617		95.1929825	

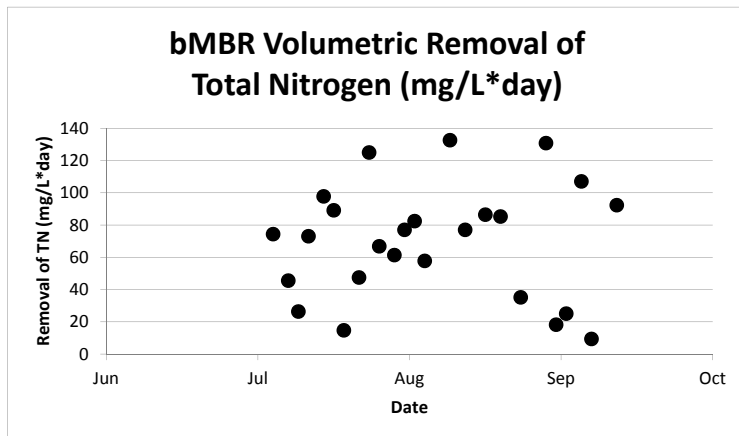
2.45451499

Mean 95.8789301
t Interval 2.06389856
Standard Dev 2.33606937
Count 25
Conf. Intvl. 0.96428204



Date	Influent	Effluent	Flow Rate (mL/min)	Influent (mg/min)	Effluent (mg/min)	TN Removed (mg/min)	TN Removed per Vol (mg/L*min)	TN Removed per Vol Day (mg/L*day)
7/16/2010	30	13.4		9.99	4.4622	5.5278	0.051661682	74.39282243
7/19/2010	17.3	7.13		5.7609	2.37429	3.38661	0.031650561	45.57680748
7/21/2010	12	6.11		3.996	2.03463	1.96137	0.018330561	26.39600748
7/23/2010	23.8	7.49		7.9254	2.49417	5.43123	0.050759159	73.09318879
7/26/2010	30.7	8.87		10.2231	2.95371	7.26939	0.067938224	97.83104299
7/28/2010	30.6	10.7		10.1898	3.5631	6.6267	0.061931776	89.18175701
7/30/2010	12	8.71		3.996	2.90043	1.09557	0.010238972	14.74411963
8/2/2010	21.9	11.3		7.2927	3.7629	3.5298	0.032988785	47.50385047
8/4/2010	38.7	10.8		12.8871	3.5964	9.2907	0.086828972	125.0337196
8/6/2010	20.9	5.98		6.9597	1.99134	4.96836	0.046433271	66.86391028
8/9/2010	25.8	12.1		8.5914	4.0293	4.5621	0.042636449	61.39648598
8/11/2010	29.2	12		9.7236	3.996	5.7276	0.053528972	77.08171963
8/13/2010	32.1	13.7		10.6893	4.5621	6.1272	0.057263551	82.45951402
8/15/2010	28.2	15.3		9.3906	5.0949	4.2957	0.040146729	57.81128972
8/20/2010	41.3	11.7		13.7529	3.8961	9.8568	0.092119626	132.6522617
8/23/2010	30.1	12.9		10.0233	4.2957	5.7276	0.053528972	77.08171963
8/27/2010	36	16.7		11.988	5.5611	6.4269	0.060064486	86.49285981
8/30/2010	27.8	8.76		9.2574	2.91708	6.34032	0.059255327	85.32767103
9/3/2010	17	9.15		5.661	3.04695	2.61405	0.024430374	35.17973832
9/8/2010	39.4	10.2		13.1202	3.3966	9.7236	0.090874766	130.8596636
9/10/2010	11.6	7.53		3.8628	2.50749	1.35531	0.012666449	18.23968598
9/12/2010	15.6	10		5.1948	3.33	1.8648	0.017428037	25.09637383
9/15/2010	36.1	12.2		12.0213	4.0626	7.9587	0.074380374	107.1077383
9/17/2010	12.5	10.4		4.1625	3.4632	0.6993	0.006535514	9.411140187
9/22/2010	28.3	7.69		9.4239	2.56077	6.86313	0.064141402	92.36361869

Mean	69.56714826
t Interval	2.063898562
Standard Dev.	35.55081277
Count	25
Conf. Intvl.	14.67465427

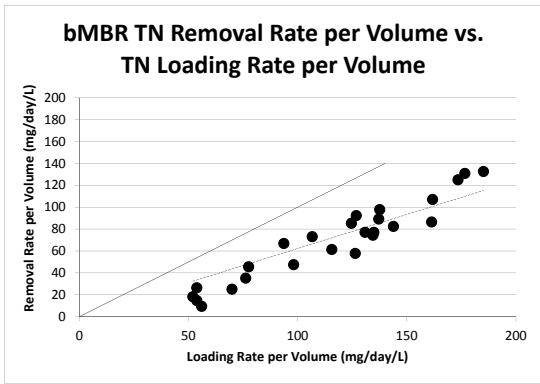


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Date	Influent	Effluent	Flow Rate (L/min)	Influent-Effluent	Removal	*Flowrate (mg/day)	Influent*Flowrate (mg/day)	Removal [Q(removal)/V]	Load [Q(influent)/V]	0	0 % Removal
7/16/2010	30	13.4		16.6		7960.032	14385.6	74.39282243	134.4448598	140	55.3333333
7/19/2010	17.3	7.13		10.17		4876.7184	8295.696	45.57680748	77.52986916	140	58.7861272
7/21/2010	12	6.11		5.89		2824.3728	5754.24	26.39600748	53.77794393		49.0833333
7/23/2010	23.8	7.49		16.31		7820.9712	11412.576	73.09318879	106.6595888		68.5294118
7/26/2010	30.7	8.87		21.83		10467.9216	14721.264	97.83104299	137.5819065		71.1074919
7/28/2010	30.6	10.7		19.9		9542.448	14673.312	89.18175701	137.133757		65.0326797
7/30/2010	12	8.71		3.29		1577.6208	5754.24	14.74411963	53.77794393		27.4166667
8/2/2010	21.9	11.3		10.6		5082.912	10501.488	47.50385047	98.14474766		48.4018265
8/4/2010	38.7	10.8		27.9		13378.608	18557.424	125.0337196	173.4338692		72.0930233
8/6/2010	20.9	5.98		14.92		7154.4384	10021.968	66.86391028	93.66325234		71.3875598
8/9/2010	25.8	12.1		13.7		6569.424	12371.616	61.39648598	115.6225794		53.1007752
8/11/2010	29.2	12		17.2		8247.744	14001.984	77.08171963	130.8596636		58.9041096
8/13/2010	32.1	13.7		18.4		8823.168	15392.592	82.45951402	143.856		57.3208723
8/15/2010	28.2	15.3		12.9		6185.808	13522.464	57.81128972	126.3781682		45.7446809
8/20/2010	41.3	11.7		29.6		14193.792	19804.176	132.6522617	185.085757		71.6707022
8/23/2010	30.1	12.9		17.2		8247.744	14433.552	77.08171963	134.8930093		57.1428571
8/27/2010	36	16.7		19.3		9254.736	17262.72	86.49285981	161.3338318		53.6111111
8/30/2010	27.8	8.76		19.04		9130.0608	13330.656	85.32767103	124.5855701		68.4892086
9/3/2010	17	9.15		7.85		3764.232	8151.84	35.17973832	76.18542056		46.1764706
9/8/2010	39.4	10.2		29.2		14001.984	18893.088	130.8596636	176.5709159		74.1116751
9/10/2010	11.6	7.53		4.07		1951.6464	5562.432	18.23968598	51.98534579		35.0862069
9/12/2010	15.6	10		5.6		2685.312	7480.512	25.09637383	69.9113271		35.8974359
9/15/2010	36.1	12.2		23.9		11460.528	17310.672	107.1077383	161.7819813		66.2049861
9/17/2010	12.5	10.4		2.1		1006.992	5994	9.411140187	56.01869159		16.8
9/22/2010	28.3	7.69		20.61		9882.9072	13570.416	92.36361869	126.8263178		72.8268551

132.6522617

Mean 56.010376
t Interval 2.06389856
Standard Dev 15.2965639
Count 25
Conf. Intvl. 6.31411124

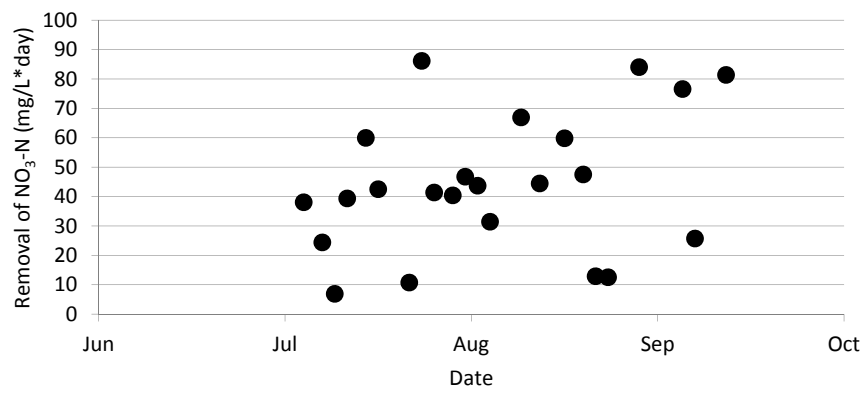


Date	Influent	Effluent	Flow Rate (m	Influent (mg/	Effluent (mg/	NO3 Remover	NO3 Remover	NO3 Removed per Vol Day (mg/L*day)
7/16/2010	17.5518	9.06	5.8447494	3.01698	2.8277694	0.02642775	38.055962	
7/19/2010	10.6036	5.16	3.5309988	1.71828	1.8127188	0.0169413	24.395468	
7/21/2010	6.0172	4.48	2.0037276	1.49184	0.5118876	0.004784	6.88895462	
7/23/2010	15.0528	6.27	5.0125824	2.08791	2.9246724	0.02733339	39.3600772	
7/26/2010	16.3856	3.01	5.4564048	1.00233	4.4540748	0.04162687	59.9426889	
7/28/2010	16.072	6.59	5.351976	2.19447	3.157506	0.0295094	42.4935387	
7/30/2010	5.1352	6.46	1.7100216	2.15118	-0.4411584	-0.004123		
8/2/2010	11.0054	8.61	3.6647982	2.86713	0.7976682	0.00745484	10.7349739	
8/4/2010	27.4694	8.25	9.1473102	2.74725	6.4000602	0.05981365	86.1316513	
8/6/2010	14.1512	4.92	4.7123496	1.63836	3.0739896	0.02872887	41.3695797	
8/9/2010	9.8882	0.876	3.2927706	0.291708	3.0010626	0.02804731	40.3881322	
8/11/2010	18.8111	8.38	6.2640963	2.79054	3.4735563	0.03246314	46.7469259	
8/13/2010	20.7466	11	6.9086178	3.663	3.2456178	0.03033288	43.6793424	
8/15/2010	20.0116	13	6.6638628	4.329	2.3348628	0.02182115	31.4224526	
8/20/2010	24.35006	9.42	8.10856998	3.13686	4.97170998	0.04646458	66.9089941	
8/23/2010	20.2174	10.3	6.7323942	3.4299	3.3024942	0.03086443	44.4447818	
8/27/2010	26.4453	13.1	8.8062849	4.3623	4.4439849	0.04153257	59.8068996	
8/30/2010	12.2794	1.68	4.0890402	0.55944	3.5296002	0.03298692	47.5011616	
9/1/2010	10.61536	7.74	3.53491488	2.57742	0.95749488	0.00894855	12.8859124	
9/3/2010	10.63986	7.84	3.54307338	2.61072	0.93235338	0.00871358	12.5475595	
9/8/2010	18.8062	0.059	6.2624646	0.019647	6.2428176	0.05834409	84.0154892	
9/10/2010	4.05916	4.99	1.35170028	1.66167	-0.3099697	-0.0028969		
9/12/2010	7.79884	8.26	2.59701372	2.75058	-0.1535663	-0.0014352		
9/15/2010	23.2358	6.15	7.7375214	2.04795	5.6895714	0.05317356	76.5699329	
9/17/2010	12.63808	6.9	4.20848064	2.2977	1.91078064	0.01785776	25.7151787	
9/22/2010	22.46454	4.31	7.48069182	1.43523	6.04546182	0.05649964	81.3594862	

Mean 44.4941367
t Interval 2.07387307
Standard Dev 23.6194073
Count 23
Conf. Intvl. 10.2137976

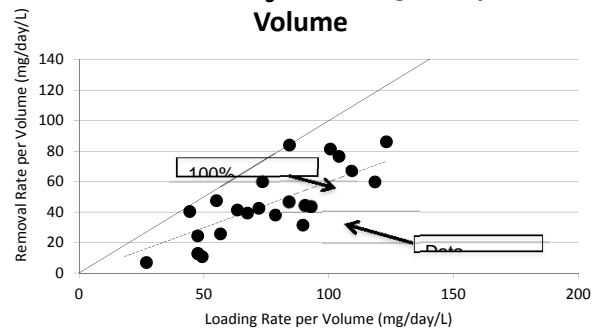
Mean 15.4789115
t Interval 2.05953855
Standard Dev 6.5676813
Count 26
Conf. Intvl. 2.65274389

bMBR Volumetric Removal of NO₃-N (mg/L*day)



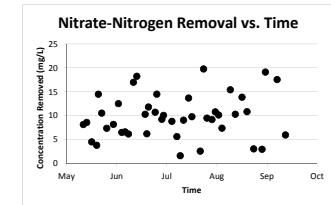
Date	Influent	Effluent	Flow Rate (L/min)	Influent-Effluent (mg/L)	Removal *Flowrate (mg/day)	Influent*Flowrate (mg/day)	Removal [Q(removal)/V]	Load [Q(influent)]	0	0 % Removal
7/16/2010	17.5518	9.06		8.4918	4071.987936	8416.439136	38.05596202	78.6583097	180	48.3813626
7/19/2010	10.6036	5.16		5.4436	2610.315072	5084.638272	24.39546796	47.5199839		51.3372817
7/21/2010	6.0172	4.48		1.5372	737.118144	2885.367744	6.888954617	26.9660537		25.5467659
7/23/2010	15.0528	6.27		8.7828	4211.528256	7218.118656	39.36007716	67.4590529		58.3466199
7/26/2010	16.3856	3.01		13.3756	6413.867712	7857.222912	59.9426889	73.4319898		81.6302119
7/28/2010	16.072	6.59		9.482	4546.80864	7706.84544	42.49353869	72.0265929		58.9970134
7/30/2010	5.1352	6.46		-1.3248	-635.268096	2462.431104	-5.937085009	23.0133748		
8/2/2010	11.0054	8.61		2.3954	1148.642208	5277.309408	10.73497391	49.3206487		21.7656787
8/4/2010	27.4694	8.25		19.2194	9216.086688	13172.12669	86.13165129	123.103988		69.966581
8/6/2010	14.1512	4.92		9.2312	4426.545024	6785.783424	41.36957966	63.4185367		65.2326304
8/9/2010	9.8882	0.876		9.0122	4321.530144	4741.589664	40.38813219	44.3139221		91.1409559
8/11/2010	18.8111	8.38		10.4311	5001.921072	9020.298672	46.74692591	84.3018567		55.4518343
8/13/2010	20.7466	11		9.7466	4673.689632	9948.409632	43.67934236	92.975791		46.9792641
8/15/2010	20.0116	13		7.0116	3362.202432	9595.962432	31.42245264	89.6818919		35.0376781
8/20/2010	24.35006	9.42		14.93006	7159.262371	11676.34077	66.90899412	109.12468		61.3142637
8/23/2010	20.2174	10.3		9.9174	4755.591648	9694.647648	44.44478176	90.6041836		49.0537854
8/27/2010	26.4453	13.1		13.3453	6399.338256	12681.05026	59.80689959	118.514488		50.4637875
8/30/2010	12.2794	1.68		10.5994	5082.624288	5888.217888	47.50116157	55.0300737		86.3185498
9/1/2010	10.61536	7.74		2.87536	1378.792627	5090.277427	12.8859124	47.5726862		27.0867874
9/3/2010	10.63986	7.84		2.79986	1342.588867	5102.025667	12.54755951	47.6824829		26.3148199
9/8/2010	18.8062	0.059		18.7472	8989.657344	9017.949024	84.0154892	84.2798974		99.6862737
9/10/2010	4.05916	4.99		-0.93084	-446.3563968	1946.448403	-4.17155511	18.1911066		
9/12/2010	7.79884	8.26		-0.46116	-221.1354432	3739.699757	-2.066686385	34.950465		
9/15/2010	23.2358	6.15		17.0858	8192.982816	11142.03082	76.56993286	104.131129		73.5322218
9/17/2010	12.63808	6.9		5.73808	2751.524122	6060.212122	25.71517871	56.6374965		45.4030992
9/22/2010	22.46454	4.31		18.15454	8705.465021	10772.19622	81.35948618	100.674731		80.8142076
									Mean	56.9478989
									t Interval	2.07387307
									Standard Dev	21.9023016
									Count	23
									Conf. Intvl.	9.47126544

bMBR NO₃-N Removal Rate per Volume vs. NO₃-N Loading Rate per Volume



Date	Flow Rate (mL/min)	TN In (mg/min)	TN Eff (mg/min)	TN Removed (mg)	NH ₃ In (mg/min)	NH ₃ Eff (mg/min)	NO ₂ In (mg/min)	NO ₂ Eff (mg/min)	NO ₂ Formed (mg/min)	NO ₃ Eff (mg/min)	NO ₃ Reduction Rate (mg/mi)	Yield (mg/min)	NO ₃ Reduction (mg/L)
5/24/2010	0.32	5.4612	2.50749	2.95371	5.4612	2.50749	0.0	0.0	0	2.95371	0.232767	2.720943	8.171
5/26/2010		7.659	2.69397	4.96503	4.9951	1.70496	0.98901	0	0.98901	3.19014	0.321678	2.868452	8.614
5/29/2010		6.993	2.83383	4.15917	3.5631	1.12554	0.4299	1.70829	0.4299	2.43756	0.91908	1.51848	4.56
6/1/2010		6.7932	2.94039	3.85281	3.8628	2.54745	0.39294	0.39294	0.39294	1.31535	0.0333	1.28205	3.85
6/2/2010		10.1898	3.5964	6.5934	7.7256	2.22444	2.4642	1.37196	2.4642	5.50116	0.66933	4.83183	14.51
6/4/2010		12.7206	3.3966	9.324	6.7932	3.08691	5.9274	0.30869	5.9274	3.70649	0.189144	3.517146	10.562
6/7/2010		10.656	5.4945	5.1615	6.6933	3.996	3.9627	2.6973	0.235431	2.6973	0.235431	2.461869	7.393
6/9/2010		3.6297	1.83816	1.79154	1.33533	0.0333	2.29437	1.80486	1.30203	1.37196		-0.06993	
6/11/2010		7.5924	3.24342	4.34898	4.662	0.40293	2.9304	2.84049	2.9304	4.25907	1.52847	2.7306	8.2
6/14/2010		11.4552	5.8941	5.5611	11.4552	5.8941	0	0	0	5.5611	1.38528	4.17582	12.54
6/16/2010		7.4592	3.3633	4.0959	4.4622	1.09557	2.26773	2.997	2.26773	3.38663	1.19214	2.17449	6.53
6/18/2010		11.3553	3.5631	7.7922	6.6933	2.24109	1.32201	4.45221	2.24109	4.45221	2.24109	2.21112	6.64
6/20/2010		8.8578	3.996	4.8618	5.6277	3.5298	3.2301	0.4662	2.0979	0.032301		2.065599	6.203
6/23/2010		11.1888	2.85714	8.33166	7.5258	1.45854	3.663	1.3986	6.06726	0.40959		5.65767	16.99
6/25/2010		9.0909	1.99467	7.09623	7.1262	0.137529	1.9647	1.857141	6.988671	0.90909		6.079581	18.257
6/28/2010													
6/30/2010		12.0879	4.5954	7.4925	7.9587	4.4955	4.1292	0.0999	3.4632	0.02664		3.43656	10.32
7/1/2010		9.7569	3.8961	5.8608	5.3946	3.27672	4.3623	0.61938	2.11788	0.038295		2.079585	6.245
7/2/2010		10.4229	4.0293	6.3936	7.2927	3.33	3.1302	0.6993	3.9627	0.022644		3.940056	11.832
7/6/2010		10.656	3.8295	6.8265	6.9264	3.32334	3.7296	0.50616	3.60306	0.024975		3.578085	10.745
7/7/2010		12.5541	4.662	7.8921	9.0576	4.1958	3.4965	0.4662	4.8618	0.026307		4.835493	14.521
7/9/2010		2.64735	1.52847	1.11888	0.66267	0.11322	1.98468	1.41525	0.54945	0.91575		-0.3663	
7/10/2010		6.2604	1.83883	4.42557	4.4955	1.26873	1.7649	0.5661	3.22677	0.140526		3.088244	9.268
7/11/2010		8.2251	3.4632	4.7619	5.994	1.88145	2.2311	1.58175	4.11255	0.75258		3.35997	10.09
7/16/2010		9.99	4.4622	5.5278	6.0939	0.12987	3.8961	4.33233	5.96403	3.01698		2.94705	8.85
7/19/2010		5.7609	2.37429	3.38661	3.7296	1.02654	2.0313	2.24775	3.60306	1.71828		1.88478	5.66
7/21/2010		3.996	2.03463	1.96137	2.1312	0.08658	1.9648	1.94805	2.04462	1.49184		0.55278	1.66
7/23/2010		7.9254	2.49417	5.43123	5.2281	0.11322	2.6973	2.38095	5.11488	2.08791		3.02697	9.09
7/26/2010		10.2231	2.95371	7.26939	6.2271	0.65934	2.29437	3.996	5.56776	1.00233		4.56543	13.71
7/28/2010		10.1898	3.5631	6.6267	5.994	0.5328	4.1958	3.0303	5.4612	2.19447		3.26673	9.81
7/30/2010		3.996	2.90043	1.09557	1.82151	0.07659	2.17449	2.82384	1.74492	2.15118		-0.40626	
8/2/2010		7.2927	3.7629	3.5298	3.8295	0.08991	3.4632	3.67299	3.73959	2.86713		0.87246	2.62
8/4/2010		12.8871	3.5964	9.2907	9.4905	0.15651	3.3989	9.33399	2.74725	6.58674		6.58674	19.78
8/6/2010		6.9597	1.99134	4.96836	4.8951	0.08658	2.0646	1.90476	4.80852	1.63836		3.17016	9.52
8/9/2010		8.5914	4.0293	4.5621	5.9944	2.23443	2.997	1.79487	3.35997	0.291708		3.068452	9.214
8/11/2010		9.7236	3.996	5.7276	6.66	0.268065	3.0636	3.727935	6.391935	2.79054		3.601395	10.815
8/13/2010		10.6893	4.5621	6.1272	7.2261	0.17649	3.4632	4.38561	7.04961	3.663		3.38661	10.17
8/15/2010		9.3906	5.0949	4.2957	6.9264	0.12654	2.4642	6.79886	4.329	2.47086		2.47086	7.42
8/20/2010		13.7529	3.8961	9.8568	8.4915	0.217449	5.2614	6.878651	8.274051	3.13686		5.137191	15.427
8/23/2010		10.0233	4.2957	5.7276	7.0596	0.18981	2.9637	4.10589	6.86979	3.4299		3.43989	10.33
8/27/2010		11.988	5.5611	6.4269	9.2241	0.238095	2.7639	5.323005	8.986005	4.3623		4.623705	13.885
8/30/2010		9.2574	2.91708	6.34032	6.1272	1.95471	3.1302	0.96237	4.17249	0.55944		3.61305	10.85
9/3/2010		5.661	3.04695	2.61405	3.6297	0.022644	2.0313	3.024306	3.607056	2.57742		1.029636	3.092
9/8/2010		13.1202	3.3966	9.7236	3.7629	0.147519	9.3573	3.249081	3.615381	2.61072		1.004641	3.017
9/10/2010		3.8628	2.50749	1.35531	9.1575	2.76723	-5.2947	-0.25974	6.39027	0.019647		6.370623	19.131
9/12/2010		5.1948	3.33	1.8648	1.38861	0.009324	3.80619	3.320676	1.379286	1.66167		-0.282384	
9/15/2010		12.0213	4.0626	7.9587	2.67732	0.027306	9.34398	4.035294	2.650014	2.75058		-0.100566	
9/17/2010		4.1625	3.4632	0.6993	8.5581	0.66267	-4.3956	-4.3956	2.80053	7.89543		2.04795	5.84748
9/22/2010		9.4239	2.56077	6.86313	4.4289	0.134532	4.995	2.426238	4.294368	2.2977		1.996668	17.56

9.85227907

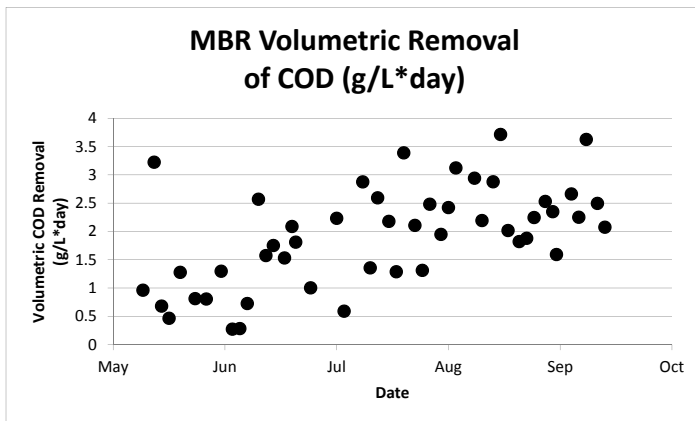


Date	COD	BOD (COD*4:TN)	BOD/TN	X _n	DO (mg/L)	μ _{nm}	0.75 μ _n	r _{nu}	
5/24/2010	23	9.66	7.53	1.28286853	0.21	2.15 K _n	1.053	0.53383828	2.54208705
5/26/2010	27	11.34	8.09	1.40173053		2.05 K _{dn}	1.04	0.5335004	2.54047807
5/29/2010	23	9.66	8.51	1.13513514		1.4 K _o	0.5	0.49178027	2.34181082
6/1/2010	49	20.58	8.83	2.33069083		0.4		0.2978178	1.41818001
6/2/2010	7	2.94	10.8	0.27222222		1.08		0.46711456	2.22435504
6/4/2010	16	6.72	10.2	0.65882353		0.3		0.25493202	1.21396199
6/7/2010	27	11.34	16.5	0.68727273		0.76		0.42524273	2.0249654
6/9/2010	12	5.04	5.52	0.91304348		2.3		0.51737628	2.46369657
6/11/2010	12	5.04	9.74	0.5174538		1.75		0.52642145	2.50676879
6/14/2010	9	3.78	17.7	0.21355932		1.3		0.51125153	2.43453111
6/16/2010	12	5.04	10.1	0.4990099		0.7		0.39619385	1.88663738
6/18/2010	16	6.72	10.7	0.62803738		0.69		0.39591179	1.88529424
6/20/2010	15	6.3	12	0.525		0.24		0.22362054	1.06485972
6/23/2010	18	7.56	8.58	0.88111888		0.22		0.20411606	0.97198124
6/25/2010	22	9.24	5.99	1.54257095		0.69		0.36985588	1.76121847
6/28/2010	13	5.46	8.43	0.64768683		0.2		0.19049126	0.90710121
6/30/2010	20	8.4	13.8	0.60869565		0.14		0.15243133	0.72586346
7/1/2010	15	6.3	11.7	0.53846154		0.8		0.42342978	2.01633229
7/2/2010	19	7.98	12.1	0.65950413		0.7		0.40247472	1.91654629
7/6/2010	13	5.46	11.5	0.47478261		0.52		0.35027952	1.66799772
7/7/2010	25	10.5	14	0.75		1.08		0.47679633	2.27045873
7/9/2010	14	5.88	4.59	1.28104575		5.1		0.55557929	2.64561566
7/10/2010	9	3.78	5.51	0.68602541		1.2		0.44447034	2.11652542
7/11/2010	12	5.04	10.4	0.48461538		0.6		0.37147869	1.76894615
7/16/2010	17.3	7.266	13.4	0.54223881		3.4		0.60620899	2.88670945
7/19/2010	13.9	5.838	7.13	0.81879383		5.17		0.59586205	2.83743833
7/21/2010	5.34	2.2428	6.11	0.36707038		4.45		0.57512512	2.73869103
7/23/2010	12.7	5.334	7.49	0.71214953		3.48		0.57494837	2.73784938
7/26/2010	12	5.04	8.87	0.56820744		1.27		0.4810302	2.29062002
7/28/2010	21.7	9.114	10.7	0.8517757		1.5		0.51210329	2.43858711
7/30/2010	9.2	3.864	8.71	0.44362801		1		0.4460719	2.12415192
8/4/2010	10.5	4.41	11.3	0.39026549		3.1		0.59078092	2.81324246
8/6/2010	7.45	3.129	10.8	0.28972222		3.9		0.60571547	2.88435938
8/9/2010	12.1	5.082	5.98	0.84983278		4.08		0.56808918	2.70518656
8/11/2010	13.9	5.838	12.1	0.48247934		2.4		0.57099862	2.71904104
8/13/2010	11.1	4.662	12	0.3885		1.4		0.50805018	2.41928655
8/15/2010	11.1	4.662	13.7	0.34029197		5		0.6331532	3.01501522
8/20/2010	12.4	5.208	15.3	0.34039216		0.98		0.46464323	2.21258683
8/23/2010	7	2.94	11.7	0.25128205		1.2		0.48569887	2.31285175
8/27/2010	8.47	3.5574	12.9	0.27576744		1.89		0.54833666	2.61112695
8/30/2010	4.01	1.6842	16.7	0.1008503		3.2		0.61017476	2.90559407
9/1/2010	5.54	2.3268	8.76	0.26561644		1.89		0.52945307	2.52120511
9/3/2010	16	6.72	9.15	0.73442623		2.29		0.55205932	2.62885393
9/8/2010	19.3	8.106	10.2	0.79470588		2.38		0.56179463	2.67521254
9/10/2010	2.92	1.2264	7.53	0.16286853		2.55		0.55012004	2.61961925
9/12/2010	0	0	10	0		1.4		0.49998333	2.38087302
9/15/2010	11.8	4.956	12.2	0.40622951		3.85		0.61105228	2.90977276
9/17/2010	11.9	4.998	10.4	0.48057692		2.56		0.56976252	2.71315488
9/22/2010	13.7	5.754	7.69	0.74824447		0.44		0.30878198	1.47039038
	0	0	0	#DIV/0!		4.5		0	0
	0	0	10.4328	0		3.91		0.60400296	2.87620455

Date	Influent	Effluent	Flow Rate (m	Influent (mg/	Effluent (mg/	COD Remove	COD Remove	COD Removed per Vol Day (mg/L*day)
5/22/2009	209	12.6	0.333	69.597	4.1958	65.4012	0.66735918	0.96099722
5/25/2009	670	11.2		223.11	3.7296	219.3804	2.23857551	3.22354873
5/27/2009	142	3		47.286	0.999	46.287	0.47231633	0.68013551
5/29/2009	117	22		38.961	7.326	31.635	0.32280612	0.46484082
6/1/2009	264	3		87.912	0.999	86.913	0.88686735	1.27708898
6/5/2009	183	17		60.939	5.661	55.278	0.56406122	0.81224816
6/8/2009	180	15.5		59.94	5.1615	54.7785	0.55896429	0.80490857
6/12/2009	278	13		92.574	4.329	88.245	0.90045918	1.29666122
6/15/2009	66	10.3		21.978	3.4299	18.5481	0.18926633	0.27254351
6/17/2009	64	6.14		21.312	2.04462	19.26738	0.19660592	0.28311252
6/19/2009	164	15.7		54.612	5.2281	49.3839	0.50391735	0.72564098
6/22/2009	537	12		178.821	3.996	174.825	1.78392857	2.56885714
6/24/2009	328	6.49		109.224	2.16117	107.06283	1.09247786	1.57316811
6/26/2009	370	12.2		123.21	4.0626	119.1474	1.2157898	1.75073731
6/29/2009	328	15.2		109.224	5.0616	104.1624	1.06288163	1.53054955
7/1/2009	444	17.5		147.852	5.8275	142.0245	1.44922959	2.08689061
7/2/2009	396	26.1		131.868	8.6913	123.1767	1.2569051	1.80994335
7/6/2009	208	3.1		69.264	1.0323	68.2317	0.69624184	1.00258824
7/13/2009	480	23.8		159.84	7.9254	151.9146	1.55014898	2.23221453
7/15/2009	141	20.4		46.953	6.7932	40.1598	0.40979388	0.59010318
7/20/2009	596	8.28		198.468	2.75724	195.71076	1.99704857	2.87574994
7/22/2009	290	13		96.57	4.329	92.241	0.94123469	1.35537796
7/24/2009	545	14.9		181.485	4.9617	176.5233	1.80125816	2.59381176
7/27/2009	450	4.97		149.85	1.65501	148.19499	1.51219378	2.17755904
7/29/2009	279	16		92.907	5.328	87.579	0.89366327	1.2868751
7/31/2009	698	5.53		232.434	1.84149	230.59251	2.3529848	3.38829811
8/3/2009	445	14.5		148.185	4.8285	143.3565	1.46282143	2.10646286
8/5/2009	298	30		99.234	9.99	89.244	0.91065306	1.31134041
8/7/2009	533	26		177.489	8.658	168.831	1.72276531	2.48078204
8/10/2009	412	14		137.196	4.662	132.534	1.35238776	1.94743837
8/12/2009	507	12		168.831	3.996	164.835	1.6819898	2.42206531
8/14/2009	664	26		221.112	8.658	212.454	2.16789796	3.12177306
8/17/2009	998	29		332.334	9.657	322.677	3.29262245	4.74137633
8/19/2009	623	22		207.459	7.326	200.133	2.04217347	2.9407298
8/21/2009	449	1		149.517	0.333	149.184	1.52228571	2.19209143
8/24/2009	613	25		204.129	8.325	195.804	1.998	2.87712
8/26/2009	786	27		261.738	8.991	252.747	2.57905102	3.71383347
8/28/2009	428	16		142.524	5.328	137.196	1.39995918	2.01594122
8/31/2009	392	20		130.536	6.66	123.876	1.26404082	1.82021878
9/2/2009	408	24		135.864	7.992	127.872	1.30481633	1.87893551
9/4/2009	473	14		157.509	4.662	152.847	1.55966327	2.2459151
9/7/2009	557	40		185.481	13.32	172.161	1.7567449	2.52971265
9/9/2009	496	16		165.168	5.328	159.84	1.63102041	2.34866939
9/10/2009	326	0.7		108.558	0.2331	108.3249	1.10535612	1.59171282
9/14/2009	570	26		189.81	8.658	181.152	1.8484898	2.66182531
9/16/2009	488	28		162.504	9.324	153.18	1.56306122	2.25080816
9/18/2009	765	24		254.745	7.992	246.753	2.51788776	3.62575837
9/21/2009	522	12		173.826	3.996	169.83	1.73295918	2.49546122
9/23/2009	430	6		143.19	1.998	141.192	1.44073469	2.07465796

420.612245

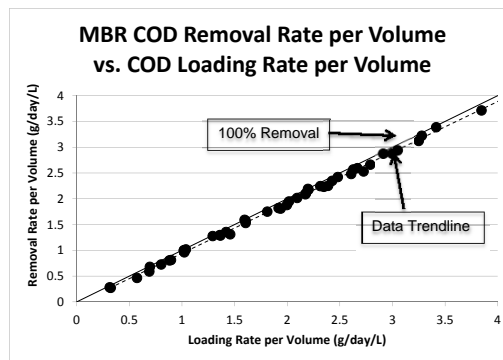
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t Interval 2.01063476
Standard Dev 0.960795
Count 49
Conf. Intvl. 0.27597254



Date	Influent	Effluent	Flow Rate (L/ Inflow)	Influent*Flowrate (mg/day)	Removal [Q(r Load [Q(influent)/V]	% Removed					
5/18/2009	208	4.85	0.333	203.15	97414.488	99740.16	0.99402539	1.01775673	0	0	97.6682692
5/24/2010	212	4.01		207.99	99735.3648	101658.24	1.0177078	1.03732898	4	4	98.1084906
5/26/2010	209	12.6		196.4	94177.728	100219.68	0.96099722	1.0226498			93.9712919
5/29/2010	670	11.2		658.8	315907.776	321278.4	3.22354873	3.27835102			98.3283582
6/1/2010	142	3		139	66653.28	68091.84	0.68013551	0.69481469			97.8873239
6/2/2010	117	22		95	45554.4	56103.84	0.46484082	0.57248816			81.1965812
6/4/2010	264	3		261	125154.72	126593.28	1.27708898	1.29176816			98.8636364
6/7/2010	183	17		166	79600.32	87752.16	0.81224816	0.8954302			90.7103825
6/9/2010	180	15.5		164.5	78881.04	86313.6	0.80490857	0.88075102			91.3888889
6/14/2010	278	13		265	127072.8	133306.56	1.29666122	1.36027102			95.323741
6/16/2010	66	10.3		55.7	26709.264	31648.32	0.27254351	0.32294204			84.3939394
6/18/2010	64	6.14		57.86	27745.0272	30689.28	0.28311252	0.31315592			90.40625
6/20/2010	164	15.7		148.3	71112.816	78641.28	0.72564098	0.80246204			90.4268293
6/23/2010	537	12		525	251748	257502.24	2.56885714	2.62757388			97.7653631
6/25/2010	328	6.49		321.51	154170.4752	157282.56	1.57316811	1.60492408			98.0213415
6/28/2010	370	12.2		357.8	171572.256	177422.4	1.75073731	1.81043265			96.7027027
6/30/2010	328	15.2		312.8	149993.856	157282.56	1.53054955	1.60492408			95.3658537
7/1/2010	444	17.5		426.5	204515.28	212906.88	2.08689061	2.17251918			96.058586
7/2/2010	396	26.1		369.9	177374.448	189889.92	1.80994335	1.93765224			93.4090909
7/6/2010	208	3.1		204.9	98253.648	99740.16	1.00258824	1.01775673			98.5096154
7/7/2010	480	23.8		456.2	218757.024	230169.6	2.23221453	2.34866939			95.0416667
7/9/2010	141	20.4		120.6	57830.112	67612.32	0.59010318	0.68992163			85.5319149
7/11/2010	596	8.28		587.72	281823.4944	285793.92	2.87574994	2.91626449			98.6107383
7/16/2010	290	13		277	132827.04	139060.8	1.35537796	1.41898776			95.5172414
7/19/2010	545	14.9		530.1	254193.552	261338.4	2.59381176	2.66671837			97.266055
7/21/2010	450	4.97		445.03	213400.7856	215784	2.17755904	2.20187755			98.8955556
7/23/2010	279	16		263	126113.76	133786.08	1.2868751	1.36516408			94.265233
7/26/2010	698	5.53		692.47	332053.2144	334704.96	3.38829811	3.41535673			99.2077364
7/28/2010	445	14.5		430.5	206433.36	213386.4	2.10646286	2.17741224			96.741573
7/30/2010	298	30		268	128511.36	142896.96	1.31134041	1.45813224			89.9328859
8/4/2010	533	26		507	243116.64	255584.16	2.48078204	2.60800163			95.1219512
8/6/2010	412	14		398	190848.96	197562.24	1.94743837	2.01594122			96.6019417
8/9/2010	507	12		495	237362.4	243116.64	2.42206531	2.48078204			97.6331361
8/11/2010	664	26		638	305933.76	318401.28	3.12177306	3.24899265			96.0843373
8/13/2010	998	29		969	464654.88	478560.96	4.74137633	4.8832751			97.0941884
8/15/2010	623	22		601	288191.52	298740.96	2.9407298	3.04837714			96.4686998
8/20/2010	449	1		448	214824.96	215304.48	2.19209143	2.19698449			99.772829
8/23/2010	613	25		588	281957.76	293945.76	2.87712	2.99944653			95.9216966
8/27/2010	786	27		759	363955.68	376902.72	3.71383347	3.84594612			96.5648855
8/30/2010	428	16		412	197562.24	205234.56	2.01594122	2.0942302			96.2616822
9/1/2010	392	20		372	178381.44	187971.84	1.82021878	1.91808			94.8979592
9/3/2010	408	24		384	184135.68	195644.16	1.87893551	1.99636898			94.1176471
9/8/2010	473	14		459	220099.68	226812.96	2.2459151	2.31441796			97.0401691
9/10/2010	557	40		517	247911.84	267092.64	2.52971265	2.7254351			92.8186715
9/12/2010	496	16		480	230169.6	237841.92	2.34866939	2.42695837			96.7741935
9/15/2010	326	0.7		325.3	155987.856	156323.52	1.59171282	1.59513796			99.7852761
9/17/2010	570	26		544	260858.88	273326.4	2.66182531	2.7890449			95.4385965
9/22/2010	488	28		460	220579.2	234005.76	2.25080816	2.38781388			94.2622951

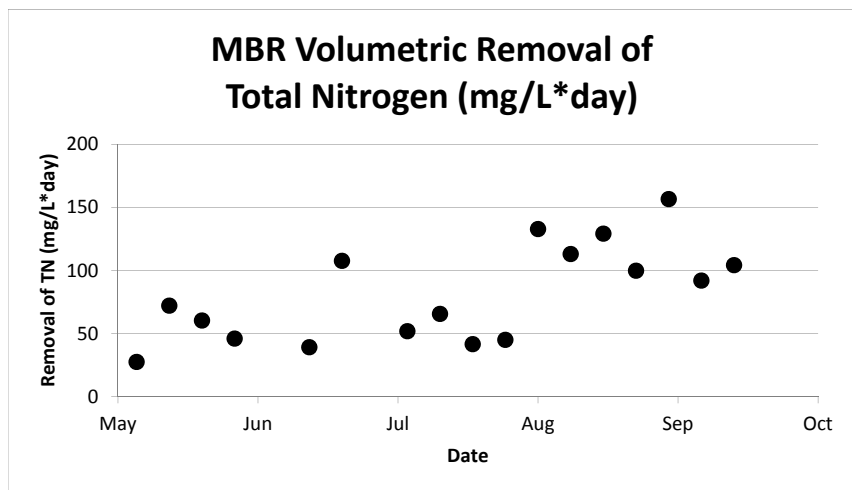
4.74137633

Mean 95.1704525
t Interval 2.01174051
Standard Dev 3.89982203
Count 48
Conf. Intvl. 1.13239028



Date	Influent	Effluent	Flow Rate (m	Influent (mg/	Effluent (mg/	TN Removed	TN Removed per Vol (mg/L*mi	TN Removed per Vol Day (mg/L*day)
5/18/2009	11	5.38	0.333	3.663	1.79154	1.87146	0.019096531	27.4990041
5/25/2009	22	7.26		7.326	2.41758	4.90842	0.050085918	72.1237224
6/1/2009	19.9	7.57		6.6267	2.52081	4.10589	0.041896837	60.3314449
6/8/2009	21.7	12.3		7.2261	4.0959	3.1302	0.031940816	45.9947755
6/15/2009	5.28	9		1.75824	2.997	-1.23876	-0.012640408	
6/24/2009	23	15		7.659	4.995	2.664	0.027183673	39.1444898
7/1/2009	34	12		11.322	3.996	7.326	0.074755102	107.647347
7/15/2009	25.2	14.6		8.3916	4.8618	3.5298	0.036018367	51.866449
7/22/2009	32.7	19.3		10.8891	6.4269	4.4622	0.045532653	65.5670204
7/29/2009	27.1	18.6		9.0243	6.1938	2.8305	0.028882653	41.5910204
8/5/2009	30.5	21.3		10.1565	7.0929	3.0636	0.031261224	45.0161633
8/12/2009	36	8.85		11.988	2.94705	9.04095	0.092254592	132.846612
8/19/2009	37.7	14.6		12.5541	4.8618	7.6923	0.078492857	113.029714
8/26/2009	42.4	16		14.1192	5.328	8.7912	0.089706122	129.176816
9/2/2009	41.2	20.8		13.7196	6.9264	6.7932	0.069318367	99.818449
9/9/2009	46	14		15.318	4.662	10.656	0.108734694	156.577959
9/16/2009	39.6	20.8		13.1868	6.9264	6.2604	0.063881633	91.989551
9/23/2009	32	10.7		10.656	3.5631	7.0929	0.072376531	104.222204

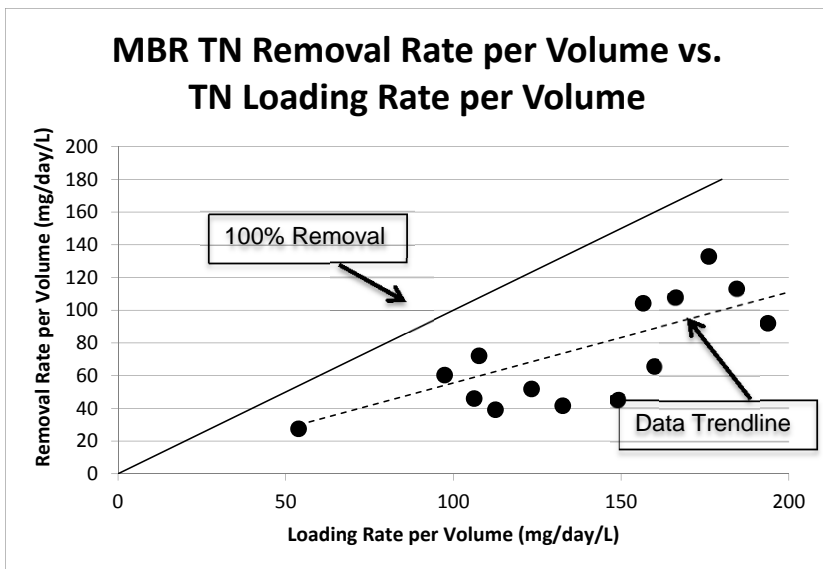
Mean	81.4378084
t Interval	2.1199053
Standard Dev.	38.5263167
Count	17
Conf. Intvl.	19.8084043



Date	Influent	Effluent	Flow Rate (L/	Influent-Efflu	Removal *Flo	Influent*Flow	Removal [Q(r	Load [Q(influent)/V]		% Removed
5/18/2009	11	5.38	0.333	5.62	2694.9024	5274.72	27.4990041	53.8236735	0	0 51.0909091
5/25/2009	22	7.26		14.74	7068.1248	10549.44	72.1237224	107.647347	180	180 67
6/1/2009	19.9	7.57		12.33	5912.4816	9542.448	60.3314449	97.3719184		61.959799
6/8/2009	21.7	12.3		9.4	4507.488	10405.584	45.9947755	106.179429		43.3179724
6/24/2009	23	15		8	3836.16	11028.96	39.1444898	112.540408		34.7826087
7/1/2009	34	12		22	10549.44	16303.68	107.647347	166.364082		64.7058824
7/15/2009	25.2	14.6		10.6	5082.912	12083.904	51.866449	123.305143		42.0634921
7/22/2009	32.7	19.3		13.4	6425.568	15680.304	65.5670204	160.003102		40.9785933
7/29/2009	27.1	18.6		8.5	4075.92	12994.992	41.5910204	132.601959		31.3653137
8/5/2009	30.5	21.3		9.2	4411.584	14625.36	45.0161633	149.238367		30.1639344
8/12/2009	36	8.85		27.15	13018.968	17262.72	132.846612	176.150204		75.4166667
8/19/2009	37.7	14.6		23.1	11076.912	18077.904	113.029714	184.468408		61.2732095
8/26/2009	42.4	16		26.4	12659.328	20331.648	129.176816	207.465796		62.2641509
9/2/2009	41.2	20.8		20.4	9782.208	19756.224	99.818449	201.594122		49.5145631
9/9/2009	46	14		32	15344.64	22057.92	156.577959	225.080816		69.5652174
9/16/2009	39.6	20.8		18.8	9014.976	18988.992	91.989551	193.765224		47.4747475
9/23/2009	32	10.7		21.3	10213.776	15344.64	104.222204	156.577959		66.5625

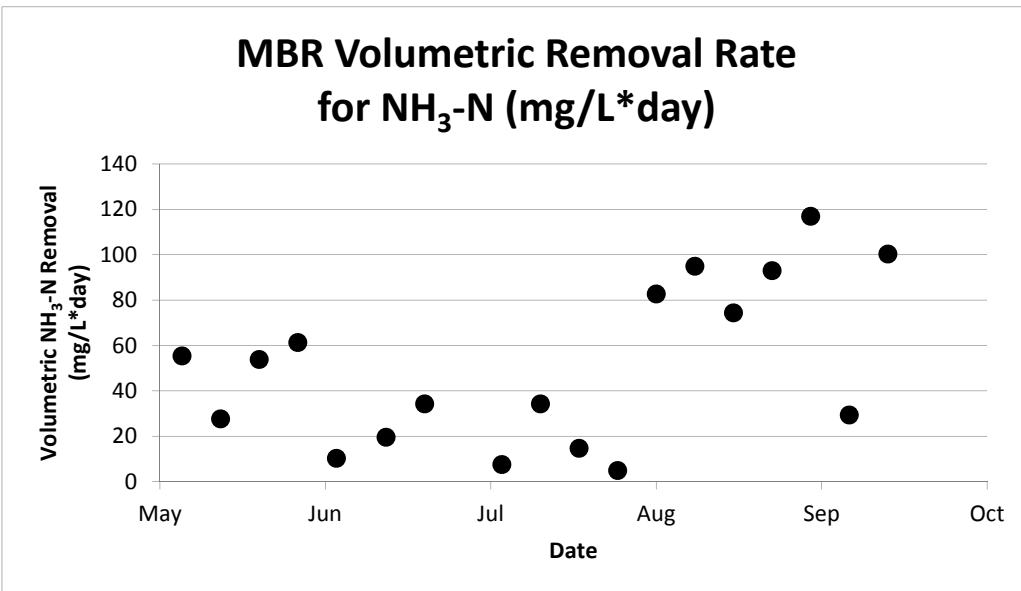
156.577959

Mean 52.9117388
t Interval 2.1199053
Standard Dev 14.2607455
Count 17
Conf. Intvl. 7.33219877



Date	Influent (mg/	Effluent (mg/	Flow Rate (m	Influent (mg/	Effluent (mg/	NH3 Removed (mg/mir	NH3 Remove	NH3 Removed per Vol Day (mg/L*day)
5/18/2009	12	0.68	0.333	3.996	0.22644	3.76956	0.0384649	55.3894531
5/25/2009	6.2	0.55		2.0646	0.18315	1.88145	0.01919847	27.6457959
6/1/2009	15	4		4.995	1.332	3.663	0.03737755	53.8236735
6/8/2009	13	0.47		4.329	0.15651	4.17249	0.04257643	61.3100571
6/15/2009	2.6	0.5		0.8658	0.1665	0.6993	0.00713571	10.2754286
6/24/2009	17	13		5.661	4.329	1.332	0.01359184	19.5722449
7/1/2009	19	12		6.327	3.996	2.331	0.02378571	34.2514286
7/15/2009	16.78	15.24		5.58774	5.07492	0.51282	0.00523286	7.53531429
7/22/2009	24	17		7.992	5.661	2.331	0.02378571	34.2514286
7/29/2009	20	17		6.66	5.661	0.999	0.01019388	14.6791837
8/5/2009	21	20		6.993	6.66	0.333	0.00339796	4.89306122
8/12/2009	26	9.1		8.658	3.0303	5.6277	0.05742551	82.6927347
8/19/2009	27	7.6		8.991	2.5308	6.4602	0.06592041	94.9253878
8/26/2009	22	6.8		7.326	2.2644	5.0616	0.05164898	74.3745306
9/2/2009	24	5		7.992	1.665	6.327	0.06456122	92.9681633
9/9/2009	30	6.1		9.99	2.0313	7.9587	0.08121122	116.944163
9/16/2009	22	16		7.326	5.328	1.998	0.02038776	29.3583673
9/23/2009	21	0.5		6.993	0.1665	6.8265	0.06965816	100.307755

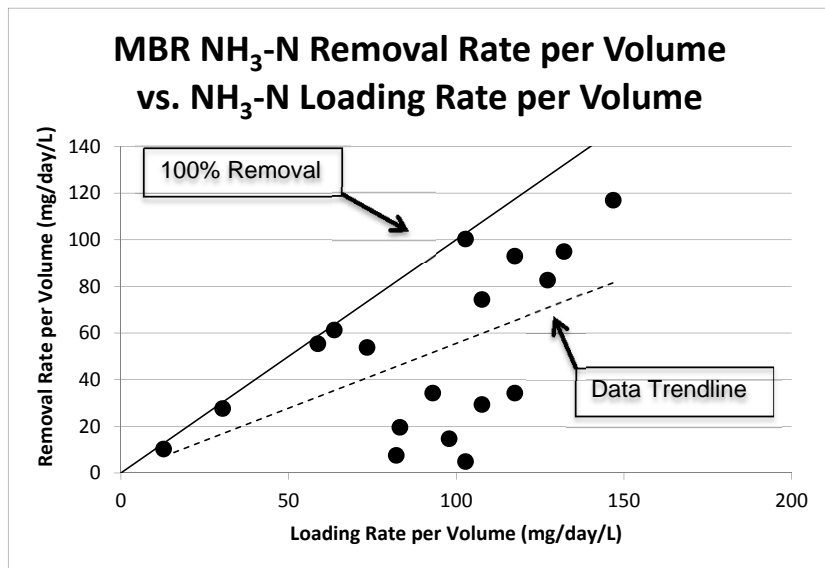
Mean 50.8443429
 t Interval 2.10981558
 Standard Dev 35.7357844
 Count 18
 Conf. Intvl. 17.7709875



Date	Influent	Effluent	Flow Rate (L/	Influent-Efflu	Removal *Flo	Influent*Flow	Removal [Q(r	Load [Q(influent)/V]	% Removal
5/18/2009	12	0.68	0.333	11.32	5428.1664	5754.24	55.3894531	58.7167347	0
5/25/2009	6.2	0.55		5.65	2709.288	2973.024	27.6457959	30.3369796	400
6/1/2009	15	4		11	5274.72	7192.8	53.8236735	73.3959184	
6/8/2009	13	0.47		12.53	6008.3856	6233.76	61.3100571	63.6097959	
6/15/2009	2.6	0.5		2.1	1006.992	1246.752	10.2754286	12.7219592	
6/24/2009	17	13		4	1918.08	8151.84	19.5722449	83.1820408	
7/1/2009	19	12		7	3356.64	9110.88	34.2514286	92.9681633	
7/15/2009	16.78	15.24		1.54	738.4608	8046.3456	7.53531429	82.1055673	
7/22/2009	24	17		7	3356.64	11508.48	34.2514286	117.433469	
7/29/2009	20	17		3	1438.56	9590.4	14.6791837	97.8612245	15
8/5/2009	21	20		1	479.52	10069.92	4.89306122	102.754286	
8/12/2009	26	9.1		16.9	8103.888	12467.52	82.6927347	127.219592	65
8/19/2009	27	7.6		19.4	9302.688	12947.04	94.9253878	132.112653	
8/26/2009	22	6.8		15.2	7288.704	10549.44	74.3745306	107.647347	
9/2/2009	24	5		19	9110.88	11508.48	92.9681633	117.433469	
9/9/2009	30	6.1		23.9	11460.528	14385.6	116.944163	146.791837	
9/16/2009	22	16		6	2877.12	10549.44	29.3583673	107.647347	
9/23/2009	21	0.5		20.5	9830.16	10069.92	100.307755	102.754286	

116.944163

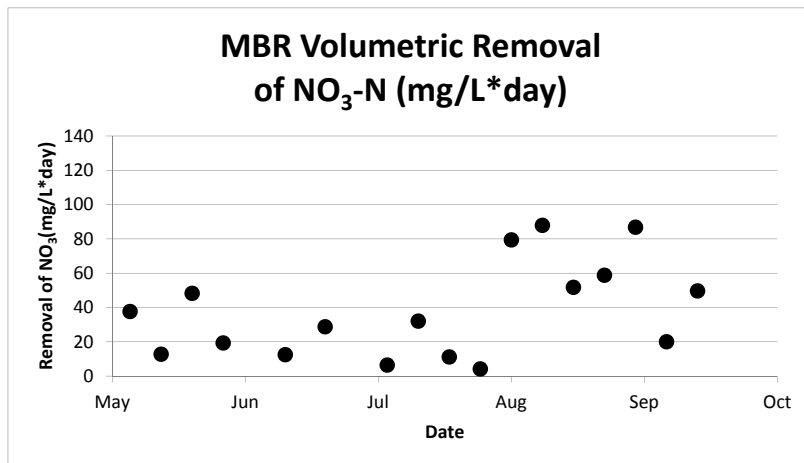
Mean 58.0052831
t Interval 2.10981558
Standard Dev 32.5159879
Count 18
Conf. Intvl. 16.1698203



Date	Influent	Effluent	Flow Rate (m	Influent (mg/	Effluent (mg/	NO3 Remover	NO3 Remover	NO3 Removed per Vol Day (mg/L*day)
5/18/2009	11.0936	3.4	0.333	3.6941688	1.1322	2.5619688	0.02614254	37.6452558
5/25/2009	5.537	2.93		1.843821	0.97569	0.868131	0.00885848	12.7562106
6/1/2009	10.78	0.918		3.58974	0.305694	3.284046	0.03351067	48.2553698
6/8/2009	12.2794	8.33		4.0890402	2.77389	1.3151502	0.0134199	19.324656
6/15/2009	2.058	7.56		0.685314	2.51748	-1.832166	-0.0186956	
6/22/2009	3.92	1.37		1.30536	0.45621	0.84915	0.0086648	12.4773061
7/1/2009	6.86	0.985		2.28438	0.328005	1.956375	0.01996301	28.7467347
7/15/2009	1.5092	0.2		0.5025636	0.0666	0.4359636	0.00444861	6.40599576
7/22/2009	6.86	0.31		2.28438	0.10323	2.18115	0.02225663	32.049551
7/29/2009	2.94	0.66		0.97902	0.21978	0.75924	0.00774735	11.1561796
8/5/2009	0.98	0.124		0.32634	0.041292	0.285048	0.00290865	4.18846041
8/12/2009	16.562	0.33		5.515146	0.10989	5.405256	0.05515567	79.4241698
8/19/2009	19.012	1.05		6.330996	0.34965	5.981346	0.06103414	87.8891657
8/26/2009	14.896	4.32		4.960368	1.43856	3.521808	0.03593682	51.7490155
9/2/2009	18.62	6.6		6.20046	2.1978	4.00266	0.04084347	58.8145959
9/9/2009	23.422	5.68		7.799526	1.89144	5.908086	0.06028659	86.8126922
9/16/2009	5.88	1.79		1.95804	0.59607	1.36197	0.01389765	20.0126204
9/23/2009	20.09	9.94		6.68997	3.31002	3.37995	0.03448929	49.6645714

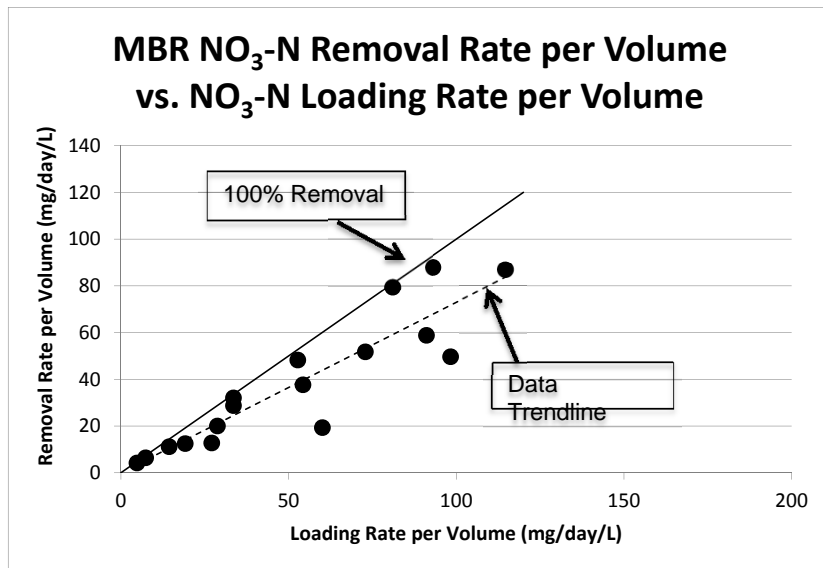
Mean 10.1832889
t Interval 2.10981558
Standard Dev 7.15729214
Count 18
Conf. Intvl. 3.55923765

Mean 38.0807383
t Interval 2.1199053
Standard Dev 27.8333166
Count 17
Conf. Intvl. 14.3105709

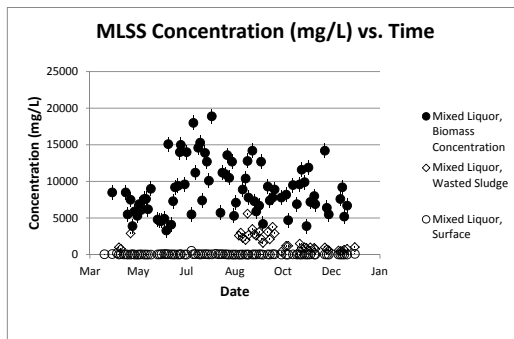
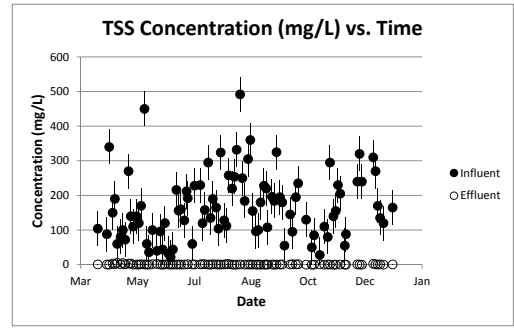


Date	Influent	Effluent	Flow Rate (L/	Influent-Efflu	Removal *Flo	Influent*Flow	Removal [Q(r	Load [Q(influent)/V]			% Removal
5/18/2009	11.0936	3.4	0.333	7.6936	3689.23507	5319.60307	37.6452558	54.281664	0	0	69.3516983
5/25/2009	5.537	2.93		2.607	1250.10864	2655.10224	12.7562106	27.09288	120	120	47.0832581
6/1/2009	10.78	0.918		9.862	4729.02624	5169.2256	48.2553698	52.7472			91.4842301
6/8/2009	12.2794	8.33		3.9494	1893.81629	5888.21789	19.324656	60.083856			32.1628093
6/15/2009	2.058	7.56		-5.502	-2638.319	986.85216					
6/22/2009	3.92	1.37		2.55	1222.776	1879.7184	12.4773061	19.1808			65.0510204
7/1/2009	6.86	0.985		5.875	2817.18	3289.5072	28.7467347	33.5664			85.6413994
7/15/2009	1.5092	0.2		1.3092	627.787584	723.691584	6.40599576	7.384608			86.7479459
7/22/2009	6.86	0.31		6.55	3140.856	3289.5072	32.049551	33.5664			95.4810496
7/29/2009	2.94	0.66		2.28	1093.3056	1409.7888	11.1561796	14.3856			77.5510204
8/5/2009	0.98	0.124		0.856	410.46912	469.9296	4.18846041	4.7952			87.3469388
8/12/2009	16.562	0.33		16.232	7783.56864	7941.81024	79.4241698	81.03888			98.007487
8/19/2009	19.012	1.05		17.962	8613.13824	9116.63424	87.8891657	93.02688			94.4771723
8/26/2009	14.896	4.32		10.576	5071.40352	7142.92992	51.7490155	72.88704			70.9989259
9/2/2009	18.62	6.6		12.02	5763.8304	8928.6624	58.8145959	91.1088			64.5542427
9/9/2009	23.422	5.68		17.742	8507.64384	11231.3174	86.8126922	114.60528			75.7492955
9/16/2009	5.88	1.79		4.09	1961.2368	2819.5776	20.0126204	28.7712			69.5578231
9/23/2009	20.09	9.94		10.15	4867.128	9633.5568	49.6645714	98.3016			50.5226481
							87.8891657				

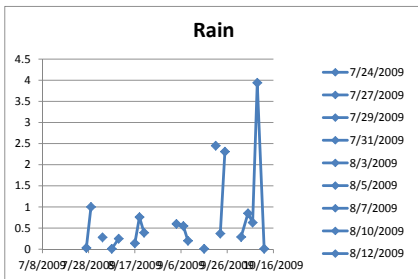
Mean	74.2217038
t Interval	2.1199053
Standard Dev	18.5396793
Count	17
Conf. Intvl.	9.53222349



Date	Influent	Effluent	Mixed Liquor, Surfa	Mixed Liquor, Wasted Sludg	Mixed Liquor, Biomass Concentrati	Rain
4/14/2009	104	0.9		57		
4/22/2009	88	0.7		78		8500
4/24/2009	340	0.2				
4/27/2009	150	3.2	210			
4/29/2009	190	1.1		20		1000
5/1/2009	60	5.4		60		800
5/4/2009	80	1		30		
5/6/2009	100	4.7		50		8500
5/8/2009	72	1.1		10		5500
5/11/2009	270	3.2		8		7500
5/13/2009	140	3		70		3900
5/15/2009	110	0.3		10		5900
5/18/2009	140	0.4		0		5300
5/20/2009	120	0.3		20		6900
5/22/2009	170	1.3		40		6100
5/25/2009	450	0.6		12		7600
5/27/2009	60	0.5		18		7600
5/29/2009	36	0.2		6		6200
6/1/2009	100	1.6		8		9000
6/5/2009	40	2.3				
6/8/2009	96	0.4	28		4800	0.48
6/10/2009	44	0.1	36		4600	1.3
6/12/2009	120	0.9	64		4600	2.02
6/15/2009	32	0.7	88		4900	1.54
6/17/2009	22	0.3	58		3300	1.46
6/19/2009	44	0.4	52		15100	0.68
6/22/2009	216	0.3	36		4100	
6/24/2009	156	0.7	20		7300	
6/26/2009	160	0.3	30		9200	
6/29/2009	128	0.4	12		9400	
7/1/2009	212		26		14000	0.34
7/2/2009	192	1.3	58		15000	
7/6/2009	60	0.8	20		9600	0.17
7/8/2009	228	0.6	18		14000	
7/13/2009	230	1	520		5500	2.68
7/15/2009	120	1.1	64		18000	0.07
7/17/2009	158	1.5	80		11200	0.02
7/20/2009	295	0.4	70		14600	
7/22/2009	135	0.2	20		15300	0.22
7/24/2009	190	1.2	54		7400	
7/27/2009	165	0.7	62		13900	0.03
7/29/2009	104	0.5	50		12700	1
7/31/2009	324	0.5	36		10100	0.28
8/3/2009	128	0.7	44		18900	0.01
8/5/2009	112	1.4				0.25
8/7/2009	258	1.8	112			
8/10/2009	220	0.4	48			
8/12/2009	254	0	56		5720	
8/14/2009	332	0.1	56		11200	
8/17/2009	492	0.7	46		11000	0.14
8/19/2009	250		24		13600	0.76
8/21/2009	184	0.3	18		10500	0.39
8/24/2009	305	0.3	18		12700	
8/26/2009	360	0.6	8		5300	
8/28/2009	155	0.4	18		7100	
8/31/2009	96	0.1	4			2600
9/2/2009	100	0.6	8		3000	
9/4/2009	180	0	20		8900	0.6
9/7/2009	228	0	24		10400	0.55
9/9/2009	220	0.9	18		12800	0.2
9/10/2009	108	0.2	10		7800	
9/14/2009	196	0.6	20		14200	
9/16/2009	184	0	32		7300	
9/18/2009	325	0.4	22		5900	0.01
9/21/2009	195	0.5	46		6700	2.45
9/23/2009	180	0.7	32		12700	0.37
9/25/2009	55		4		4200	2.31
9/30/2009	145	0.4	36		9300	1.2386
10/2/2009	95	1.4	14		7400	0.29
10/5/2009	195	0.8	52		7800	0.85
10/7/2009	235	1.2	50		8900	0.63
10/9/2009						3.94
10/12/2009						0.01
10/14/2009	130	0.1	16		7800	1.64
10/16/2009						0.04
10/19/2009	50	0	6		8200	1.258
10/21/2009	85	0.1	8		4700	1.2495
10/23/2009						0.93
10/26/2009	28	0.9	36		9500	0.62
10/28/2009						0.16
10/30/2009	110	0	12		6900	3.36
11/2/2009	80	0.5	12		9600	1.2483
11/4/2009	295	0.5	12		11600	1.2438
11/7/2009	140	0	26		9900	1.2745
11/9/2009	155	0	18		3900	1.2536
11/11/2009	230		23		11900	1.2228
11/13/2009	205	0.5	34		7200	1.2214
11/17/2009	55	0.2	25		8000	1.239
11/18/2009	88	0.1	17		6900	1.2246
11/28/2009	240	0.8	33		14200	1.2381
11/30/2009	320	0.3	27		6400	1.2249
12/2/2009	240	0	7		5500	1.2333
12/12/2009	310	2.7	31		600	1.2223
12/14/2009	270	1.1	22		7600	1.2314
12/16/2009	170	0.5	21		9200	1.2368
12/18/2009	135	0.8	14		5200	1.2374
12/21/2009	120	0	16		6700	1.2612
12/29/2009	165	0.7	109			1.237
	178.66	0.62353	44.90196078		9674.893617	1.3647
						1.368
						1.3648
						1.2423
						1.243
						1.242
						1.2512
						1.2621

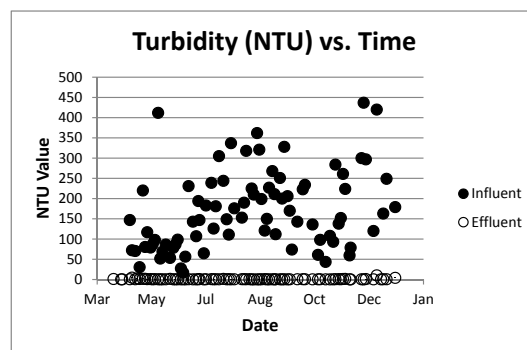


Mean	168.376	0.79326	39.71111111	8839.493671	1685.25
t Interval	1.98609	1.98729	1.9869787	1.990847069	2.02269092
Standard Dev	94.6071	0.94337	59.27222372	3532.492364	1201.957778
Count	93	89	90	79	40
Conf. Intvl.	19.4841	0.19872	12.41432691	791.2351755	384.4047464



ML1	ML2	ML2	ML2	ML3	ML3	ML3
1.2322	1.2382	1.2404	1.2386	1.2153	1.228	1.2179
1.2315	1.215	1.2166	1.2153	1.2205	1.2247	1.2211
1.2506	1.2374	1.2405	1.2381	1.2384	1.2477	1.24
1.2484	1.2361	1.2382	1.2365	1.2283	1.2357	1.2299
1.2523	1.229	1.2328	1.2296	1.2472	1.255	1.2489
1.2497	1.2374	1.2403	1.238	1.2516	1.2605	1.2531
1.2592	1.2636	1.264	1.2636	1.2583	1.2661	1.2598
1.2572	1.2459	1.2471	1.2459	1.2644	1.2726	1.266
1.2585	1.2451	1.2463	1.2453	1.2637	1.2684	1.2651
1.264	1.2439	1.2503	1.2494	1.2588	1.2683	1.2608
1.2656	1.2594	1.2595	1.2594	1.2598	1.2667	1.2609
1.2581	1.2579	1.2594	1.2586	1.2456	1.2552	1.2481
1.2586	1.2581	1.259	1.2582	1.2642	1.2758	1.2674
1.2516	1.2424	1.2434	1.2424	1.2185	1.2284	1.221
1.2444	1.27	1.2709	1.2701	1.2506	1.2545	1.2514
1.2404	1.2107	1.2137	1.211	1.219	1.2309	1.2221
1.2107	1.2478	1.2577	1.2496	1.2383	1.2455	1.24
1.2217	1.2179	1.2271	1.2199	1.2148	1.2228	1.2166
1.2472	1.2394	1.2471	1.2408	1.2184	1.2253	1.2199
1.2598	1.2408	1.2506	1.2426	1.2199	1.2341	1.2232
1.2419	1.2377	1.2413	1.2384	1.2333	1.2397	1.2344
1.2413	1.2378	1.2408	1.2368	1.2607	1.2662	1.2622
1.2417	1.2613	1.2641	1.2616			
1.2202	1.2414	1.2462	1.2422	1.2336	1.2412	1.2349
1.2211	1.2415	1.2465	1.2418	1.262	1.2712	1.264
1.2361	1.2417	1.2484	1.2425	1.238	1.2432	1.2386
1.2369	1.2609	1.2688	1.2621	1.221	1.2277	1.222
1.2518	1.2074	1.2177	1.2088			

Date	Influent	Effluent	Rain
4/14/2009			1.36
4/21/2009			0.4
4/22/2009			0.53
4/29/2009	147		0.72
5/1/2009	72.3		4.7
5/4/2009	70.5		0.65
5/6/2009			2.8
5/8/2009	30.6		1.31
5/11/2009	220		1.68
5/13/2009	80.5		1.75
5/15/2009	117		0.97
5/18/2009	79		1.1
5/20/2009	86.9		0.53
5/22/2009	97.9		0.97
5/25/2009	412		0.6
5/27/2009	51.8		0.49
5/29/2009	68.7		0.49
6/1/2009	86.5		0.61
6/5/2009	53.4		1.61
6/8/2009	78.4		0.52
6/10/2009	86.8		0.5
6/12/2009	98.6		0.59
6/15/2009	27.4		0.44
6/17/2009	16.9		0.69
6/19/2009	56.5		0.36
6/22/2009	231		0.69
6/24/2009			
6/26/2009	143		0.52
6/29/2009	107		0.34
7/1/2009	194		0.7
7/2/2009	147		1.02
7/6/2009	64.8		0.4
7/8/2009	183		0.65
7/13/2009	239		0.9
7/15/2009	126		0.63
7/17/2009	181		0.76
7/20/2009	305		0.55
7/22/2009			
7/24/2009	244		1.51
7/27/2009	149		0.59
7/29/2009	111		0.78
7/31/2009	337		0.51
8/3/2009	176		0.63
8/5/2009			
8/7/2009			0.01
8/10/2009	153		0.88
8/12/2009	190		0.88
8/14/2009	318		0.65
8/17/2009			0.87
8/19/2009	225		0.4
8/21/2009	210		0.41
8/24/2009	362		0.37
8/26/2009	321		0.39
8/28/2009	199		0.59
8/31/2009	121		0.93
9/2/2009	150		0.49
9/4/2009	227		0.38
9/7/2009	268		0.54
9/9/2009	211		0.44
9/10/2009	112		0.54
9/14/2009	251		0.64
9/16/2009	200		0.41
9/18/2009	328		0.55
9/21/2009	206		0.35
9/23/2009	170		0.56
9/25/2009	74.1		2.31
9/30/2009	143		0.74
10/2/2009			0.29
10/5/2009	223		0.83
10/7/2009	234		0.67
10/9/2009			3.94
10/12/2009			0.01
10/14/2009	136		0.52
10/16/2009			0.04
10/19/2009	61		0.56
10/21/2009	98.1		0.66
10/23/2009			0.93
10/26/2009	43.6		0.53
10/28/2009			0.16
10/30/2009	108		0.4
11/2/2009	93.3		0.48
11/4/2009	284		0.84



11/7/2009	138	0.95
11/9/2009	152	0.67
11/11/2009	261	1.28
11/13/2009	224	1.52
11/17/2009	59.6	0.3
11/18/2009	78.8	0.25
11/28/2009	300	0.58
11/30/2009	437	0.28
12/2/2009	297	1.22
12/9/2009	120	0.45
12/12/2009	420	10.3
12/16/2009		0.53
12/18/2009	163	0.66
12/21/2009	249	0.68
12/29/2009	179	4.14

Mean	170.0617284	0.91697674
t Interval	1.990063421	1.98826791
Standard Dev	97.55062092	1.23352586
Count	81	86
Conf. Intvl.	21.5702136	0.26446849

Date	Influent	Effluent	Mixed Liquor, Surface	Mixed Liquor, Aeration	Mixed Liquor, Wasted Sludge	Mixed Liquor, Biomass Concentration	Rain
4/14/2009	15	0	10				
4/24/2009	81	0	62				
4/27/2009	130	3.2	180				6300
5/1/2009	90	5.2	40	700			
5/4/2009	80	0.8	30				
5/6/2009	90	4.7	50				6300
5/8/2009	58	1.1	10				4600
5/11/2009	230	2.8	6	2300			5500
5/13/2009	130	2.5	30				3400
5/15/2009	110	0.3	10				4800
5/18/2009	120	0.3	0				4200
5/20/2009	120	0.3	12				4900
5/22/2009	160	1.3	40				4900
5/25/2009	310	0.6	12				5700
5/27/2009	60	0.5	18				5500
5/29/2009	36	0.2	6				4700
6/1/2009	100	1.6	8				6700
6/5/2009	40	2.3					
6/8/2009	88	0	28				4800
6/10/2009	40	0.1	34				3100
6/12/2009	116	0.7	52				3300
6/15/2009	32	0.5	64				3400
6/17/2009	16	0.3	42				2300
6/19/2009	40	0.2	40				10000
6/22/2009	204	0.3	36				2800
6/24/2009	140	0.6	20				5200
6/26/2009	136	0.3	28				6000
6/29/2009	112	0.4	8				6400
7/1/2009	180		16				9400
7/2/2009	164	1.3	40				10000
7/6/2009	60	0.7	16				6600
7/8/2009	184	0.5	16				9900
7/13/2009	215	0.8	370				4000
7/15/2009	105	0.8	46				12100
7/17/2009	138	1.5	76				7600
7/20/2009	225	0.2	55				9800
7/22/2009	115	0.2	20				11000
7/24/2009	180	0.9	48				4900
7/27/2009	145	0.7	50				9800
7/29/2009	100	0.3	44				8700
7/31/2009	292	0.5	30				7200
8/3/2009	124	0.7	36				12900
8/5/2009	104						
8/7/2009			86				
8/10/2009	194	0.4	40				
8/12/2009	204	0	52				3980
8/14/2009	300	0	52				8000
8/17/2009	440	0.7	36				7400
8/19/2009	220		20				9300
8/21/2009	160	0.1	18				7600
8/24/2009	275	0.3	18				8300
8/26/2009	335	0.6	8				3400
8/28/2009	145	0.2	16				4300
8/31/2009	84	0.1	4				
9/2/2009	92	0.3	8				1600
9/4/2009	156	0	18				2500
9/7/2009	192	0	22				6400
9/7/2009	192	0	22				1800
9/7/2009	192	0	22				8400
9/9/2009	212	0.3	18				2000
9/9/2009	212	0.3	18				9500
9/10/2009	104	0.2	10				4300
9/10/2009	104	0.2	10				6100
9/10/2009							2100

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1.3
2.02

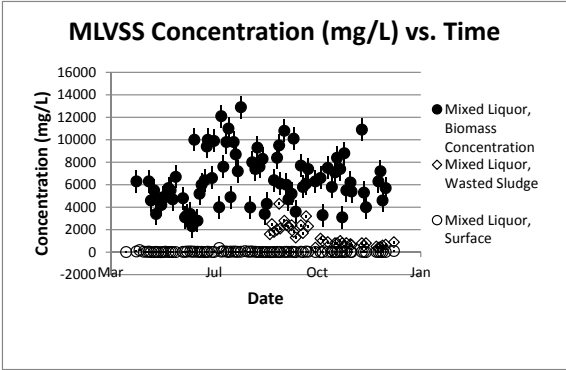
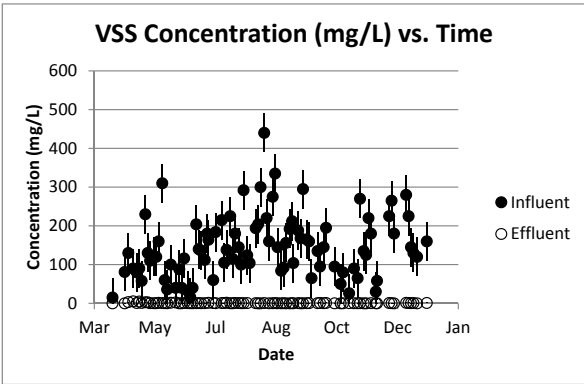
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0.02

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1
0.28

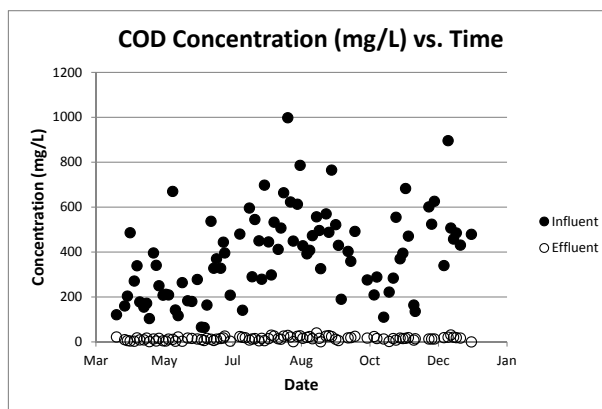
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0.25

0.14
0.76
0.39



9/14/2009	188	0.6	20	10800	2800	
9/16/2009	168	0	32	6000	2400	0.01
9/18/2009	295	0.2	22	4700	2300	
9/21/2009	165	0.5	38	5200	2400	2.45
9/23/2009	160	0.4	26	10100	1800	0.37
9/25/2009	65		4	3600	1300	2.31
9/30/2009	135	0.4	36	7700	2400	
10/2/2009	95	0.9	10	5800	1700	0.29
10/5/2009	145	0.3	52	6100	3200	0.85
10/7/2009	195	0.9	36	7400	2300	0.63
10/9/2009						3.94
10/12/2009						0.01
10/14/2009	95	0.1	16	6300	400	1.64
10/16/2009						0.04
10/19/2009	50	0	6	6600	1200	
10/21/2009	80	0.1	8	3300	1000	
10/23/2009						0.93
10/26/2009	26	0.4	32	7500	900	0.62
10/28/2009						0.16
10/30/2009	90	0.2	10	5800	100	3.36
11/2/2009	65	0.2	12	7100	800	
11/4/2009	270	0.5	12	8400	800	
11/7/2009	135	0	26	7400	1000	
11/9/2009	125	0	18	3100	800	
11/11/2009	220		20	8800	540	
11/13/2009	180	0.5	32	5500	810	
11/17/2009	30	0.2	20	6200	720	
11/18/2009	58	0.1	15	5400	630	
11/28/2009	225	0.8	30	10900	800	
11/30/2009	265	0.3	26	5300	580	
12/2/2009	180	0	7	4000	800	
12/12/2009	280	1.3	29		500	
12/14/2009	225	0.9	22	6300	400	
12/16/2009	145	0.5	21	7200	470	
12/18/2009	130	0.8	13	4600	590	
12/21/2009	120	0	20	5700	670	
12/29/2009	160	1	103		890	
Mean	145.478	0.6529	33.02247191	6508.607595	1376.315789	
t Interval	1.98698	1.9886	1.987289865	1.990847069	2.026192463	
Standard Dev	80.6301	0.9081	43.83776328	2371.531332	941.0759255	
Count	90	85	89	79	38	
Conf. Intvl.	16.8877	0.1959	9.234525853	531.1940737	309.3239595	

Date	Influent	Effluent	Rain
4/14/2009	121	22	
4/20/2009	160	10	
4/22/2009	204	6	
4/24/2009	486	4	
4/27/2009	271	3	
4/29/2009	339	18	
5/1/2009	178	9	
5/4/2009	155	9	
5/6/2009	172	17	
5/8/2009	104	1	
5/11/2009	396	13	
5/13/2009	341	4	
5/15/2009	250	16	
5/18/2009	208	4.85	
5/20/2009	212	4.01	
5/22/2009	209	12.6	
5/25/2009	670	11.2	
5/27/2009	142	3	
5/29/2009	117	22	
6/1/2009	264	3	0.48
6/5/2009	183	17	1.3
6/8/2009	180	15.5	2.02
6/10/2009			
6/12/2009	278	13	1.54
6/15/2009	66	10.3	1.46
6/17/2009	64	6.14	0.68
6/19/2009	164	15.7	
6/22/2009	537	12	
6/24/2009	328	6.49	
6/26/2009	370	12.2	0.34
6/29/2009	328	15.2	
7/1/2009	444	17.5	
7/2/2009	396	26.1	0.17
7/6/2009	208	3.1	
7/13/2009	480	23.8	2.68
7/15/2009	141	20.4	0.07
7/17/2009		18.6	0.02
7/20/2009	596	8.28	
7/22/2009	290	13	0.22
7/24/2009	545	14.9	
7/27/2009	450	4.97	0.03
7/29/2009	279	16	1
7/31/2009	698	5.53	
8/3/2009	445	14.5	0.28
8/5/2009	298	30	
8/7/2009	533	26	0.01
8/10/2009	412	14	0.25
8/12/2009	507	12	
8/14/2009	664	26	
8/17/2009	998	29	0.14
8/19/2009	623	22	0.76
8/21/2009	449	1	0.39
8/24/2009	613	25	
8/26/2009	786	27	
8/28/2009	428	16	
8/31/2009	392	20	
9/2/2009	408	24	
9/4/2009	473	14	0.6
9/7/2009	557	40	0.55
9/9/2009	496	16	0.2
9/10/2009	326	0.7	
9/14/2009	570	26	
9/16/2009	488	28	0.01
9/18/2009	765	24	
9/21/2009	522	12	2.45
9/23/2009	430	6	0.37
9/25/2009	190		2.31
9/30/2009	403	18	
10/2/2009	359	19	0.29
10/5/2009	492	25	0.85
10/7/2009			0.63
10/9/2009			3.94
10/12/2009			0.01
10/14/2009	276	17	1.64
10/16/2009			0.04
10/19/2009	209	24	
10/21/2009	289	15	
10/23/2009			0.93
10/26/2009	110	13	0.62
10/28/2009			0.16
10/30/2009	222	2	3.32
11/2/2009	284	15	
11/4/2009	555	8	
11/7/2009	370	17	
11/9/2009	395	15	
11/11/2009	683	16	
11/13/2009	471	19	
11/17/2009	164	8	



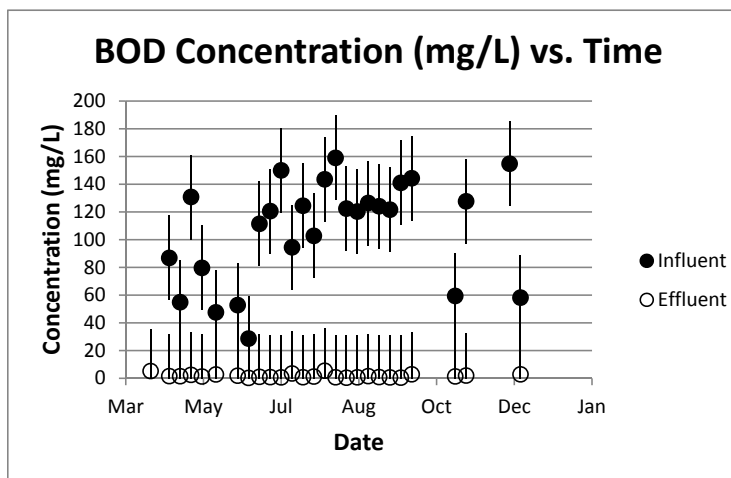
11/18/2009	136	14
11/28/2009	601	13
11/30/2009	524	13
12/2/2009	626	13
12/9/2009	340	19
12/12/2009	896	21
12/14/2009	507	31
12/16/2009	458	21
12/18/2009	485	19
12/21/2009	431	17
12/29/2009	479	0

416.44 15.7788235

Mean	386.395604	14.8743956
t Interval	1.98667454	1.98667454
Standard Dev	192.421752	8.09802228
Count	91	91
Conf. Intvl.	40.0737694	1.68649477

Date	Influent	Effluent	Rain
4/15/2009			5.22
4/27/2009	86.85		1.56
5/4/2009	54.9		1.47
5/11/2009	130.8		2.43
5/18/2009	79.65		1.26
5/27/2009	47.55		2.76
6/10/2009	52.8	1.86	3.8
6/17/2009	28.65	0.27	3
6/24/2009	111.45	1.02	0.68
7/1/2009	120.6	0.83	0.34
7/8/2009	150	0.66	0.17
7/15/2009	94.5	3.45	2.75
7/22/2009	124.5	0.75	0.24
7/29/2009	102.75	1.23	1.03
8/5/2009	143.54	5.46	0.28
8/12/2009	159	0.7	0.26
8/19/2009	122.4	0.42	0.9
8/26/2009	120.3	0.69	0.39
9/2/2009	126.45	1.56	0
9/9/2009	124.1	0.87	1.35
9/16/2009	121.65	0.6	0.01
9/23/2009	141	0.44	2.82
9/30/2009	144.3	2.85	2.31
10/7/2009			1.77
10/14/2009			5.59
10/21/2009			0.04
10/28/2009	59.4	1.34	3.48
11/4/2009	127.65	1.97	
12/2/2009	154.8		
12/9/2009	58.2	2.84	

108.533636



Mean	107.222692	1.71192308
t Interval	2.05953855	2.05953855
Standard Dev	37.3217924	1.3710347
Count	26	26
Conf. Intvl.	15.0745982	0.5537729

0.6
0.55
0.2

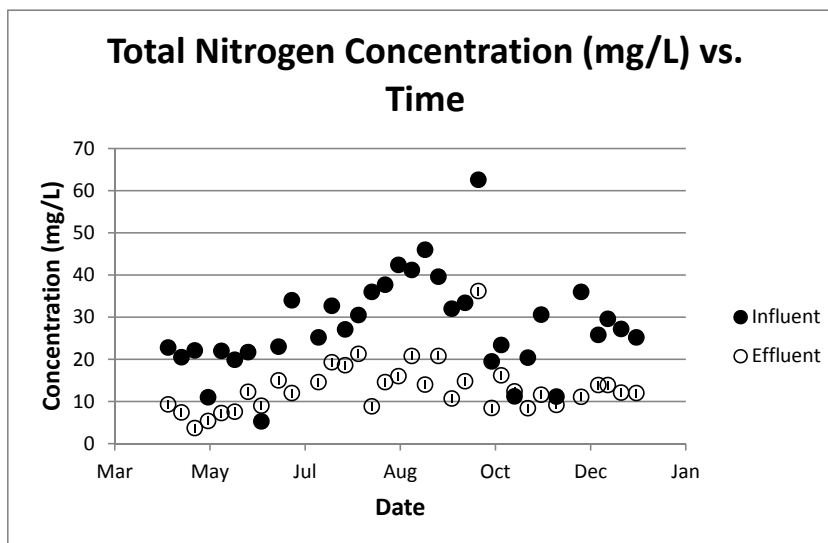
0.01

2.45
0.37
2.31

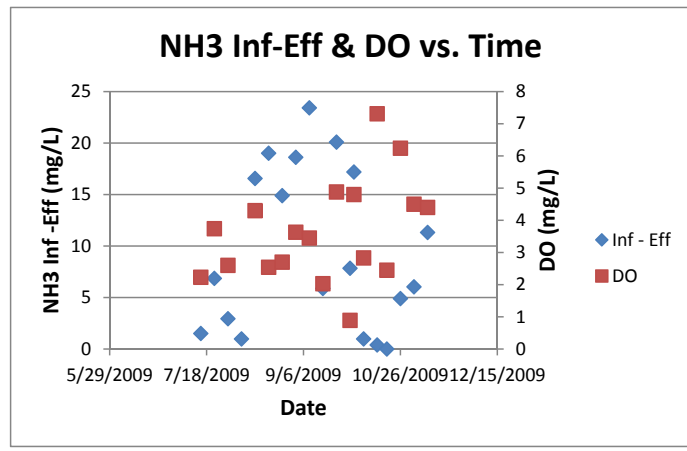
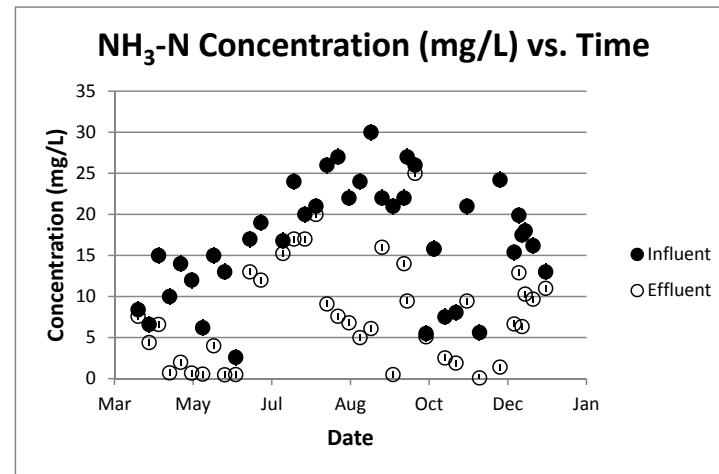
0.29
0.85
0.63
3.94

Date	Influent	Effluent		
4/27/2009	22.8	9.32		
5/4/2009	20.5	7.4		
5/11/2009	22.1	3.7		
5/18/2009	11	5.38		
5/25/2009	22	7.26		
6/1/2009	19.9	7.57		
6/8/2009	21.7	12.3		
6/15/2009	5.28	9		
6/24/2009	23	15		
7/1/2009	34	12		
7/15/2009	25.2	14.6		
7/22/2009	32.7	19.3		
7/29/2009	27.1	18.6		
8/5/2009	30.5	21.3		
8/12/2009	36	8.85		
8/19/2009	37.7	14.6		
8/26/2009	42.4	16		
9/2/2009	41.2	20.8		
9/9/2009	46	14		
9/16/2009	39.6	20.8		
9/23/2009	32	10.7		
9/30/2009	33.4	14.8		
10/7/2009	62.6	36.2	57.827476	35.2941176
10/14/2009	19.5	8.45	43.3333333	57.9365079
10/19/2009	23.4	16.2	69.2307692	59.0214067
10/26/2009	11.22	12.4	110.516934	68.6346863
11/2/2009	20.4	8.41	41.2254902	69.8360656
11/9/2009	30.6	11.6	37.9084967	24.5833333
11/17/2009	11.16	9.18	82.2580645	38.7267905
11/30/2009	36	11.1	30.8333333	37.7358491
12/9/2009	25.8	13.9	53.875969	50.4854369
12/14/2009	29.6	13.9	46.9594595	30.4347826
12/21/2009	27.2	12.1	44.4852941	52.5252525
12/29/2009	25.2	12	47.6190476	33.4375
				44.3113772

Mean	27.9047059	13.1976471	#DIV/0!
t Interval	2.0345153	2.0345153	#NUM!
Standard Dev	11.2893267	6.00188509	#DIV/0!
Count	34	34	0
Conf. Intvl.	3.93903232	2.09415671	#NUM!



Date	Influent	Effluent	Rain	Inf - Eff	DO
4/14/2009	8.4	7.6		0.784	5.1
4/21/2009	6.6	4.4		2.156	7.23
4/27/2009	15	6.6		8.232	3.75
5/4/2009	10	0.71		9.1042	3.74
5/11/2009	14	2		11.76	3.63
5/18/2009	12	0.68		11.0936	3.22
5/25/2009	6.2	0.55		5.537	3.3
6/1/2009	15	4		10.78	4.2
6/8/2009	13	0.47	1.78	12.2794	2.6
6/15/2009	2.6	0.5	3.56	2.058	2.99
6/24/2009	17	13	2.14	3.92	1.44
7/1/2009	19	12	0.34	6.86	2.24
7/15/2009	16.78	15.24	2.92	1.5092	2.23
7/22/2009	24	17	0.27	6.86	3.74
7/29/2009	20	17	1.03	2.94	2.6
8/5/2009	21	20	0.28	0.98	
8/12/2009	26	9.1	0.26	16.562	4.3
8/19/2009	27	7.6	0.9	19.012	2.54
8/26/2009	22	6.8	0.39	14.896	2.7
9/2/2009	24	5		18.62	3.63
9/9/2009	30	6.1	1.35	23.422	3.45
9/16/2009	22	16	0.01	5.88	2.03
9/23/2009	21	0.5	2.82	20.09	4.88
9/30/2009	22	14	2.31	7.84	0.89
10/2/2009	27	9.46	0.29	17.1892	4.8
10/7/2009	26	25	1.48	0.98	2.83
10/14/2009	5.5	5.1	5.59	0.392	7.31
10/19/2009	15.8	15.8	0.04	0	2.45
10/26/2009	7.52	2.52	1.55	4.9	6.24
11/2/2009	8.06	1.9	3.48	6.0368	4.5
11/9/2009	21	9.45		11.319	4.4
11/17/2009	5.62	0.09		5.4194	
11/30/2009	24.2	1.41		22.3342	
12/9/2009	15.4	6.66		8.5652	
12/12/2009	19.9	12.9		6.86	
12/14/2009	17.5	6.34		10.9368	
12/16/2009	18	10.3		7.546	
12/21/2009	16.2	9.68		6.3896	
12/29/2009	13	11		1.96	

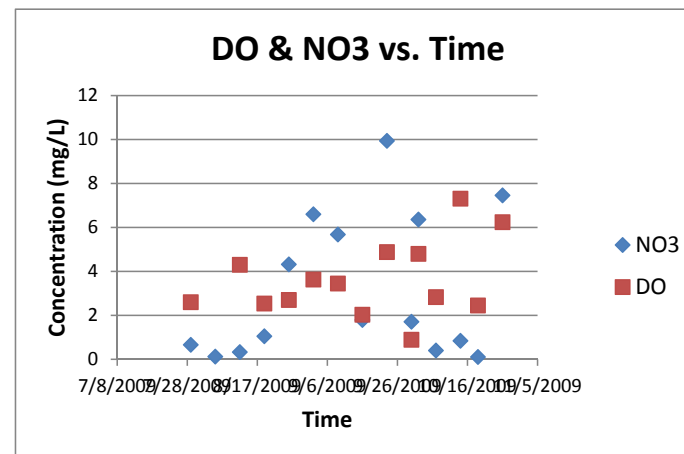
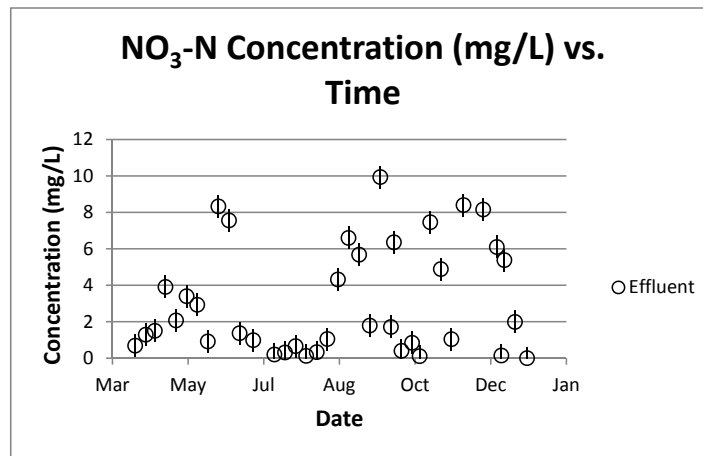


16.8020513

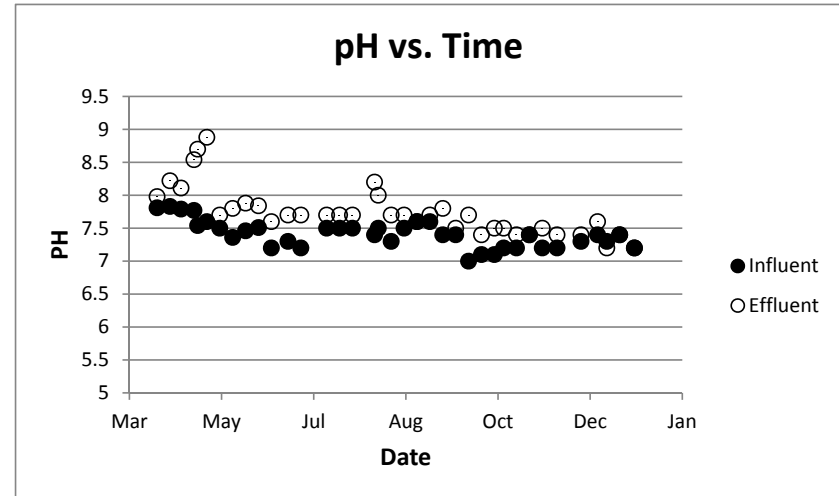
Mean	16.8020513	8.06307692	8.34590909	8.56419487
t Interval	2.02439416	2.02439416	2.07961384	2.02439416
Standard Dev	7.05304831	6.27146132	5.97304234	6.46374443
Count	39	39	22	39
Conf. Intvl.	2.28633377	2.03297258	2.64829861	2.09530355

Date	Influent	Effluent	Rain
4/14/2009		0.687	
4/21/2009		1.29	
4/27/2009		1.5	
5/4/2009		3.91	
5/11/2009		2.07	
5/18/2009		3.4	
5/25/2009		2.93	
6/1/2009		0.918	
6/8/2009	0.508	8.33	1.78
6/15/2009	1.13	7.56	3.56
6/22/2009	0.475	1.37	2.14
7/1/2009	0.617	0.985	0.34
7/15/2009	0.349	0.2	2.92
7/22/2009	0.312	0.31	0.27
7/29/2009	0.274	0.66	1.03
8/5/2009		0.124	0.28
8/12/2009		0.33	0.26
8/19/2009	0.453	1.05	0.9
8/26/2009		4.32	0.39
9/2/2009		6.6	
9/9/2009		5.68	1.35
9/16/2009		1.79	0.01
9/23/2009		9.94	2.82
9/30/2009		1.71	2.31
10/2/2009		6.36	0.29
10/7/2009		0.402	1.48
10/14/2009		0.843	5.59
10/19/2009		0.108	0.04
10/26/2009		7.46	1.55
11/2/2009		4.89	3.48
11/9/2009		1.04	
11/17/2009		8.4	
11/30/2009		8.16	
12/9/2009		6.1	
12/12/2009		0.144	
12/14/2009		5.38	
12/21/2009		1.99	
12/29/2009		0	
Mean		3.13002632	
t Interval		2.02619246	
Standard Dev		2.99784872	
Count		38	
Conf. Intvl.		0.98536835	

Avg NO3i: 0.51475



Date	Influent	Effluent	Rain
4/14/2009	7.81	7.98	
4/21/2009	7.83	8.22	
4/27/2009	7.79	8.11	
5/4/2009	7.77	8.54	
5/6/2009	7.54	8.7	
5/11/2009	7.6	8.88	
5/18/2009	7.5	7.7	
5/25/2009	7.36	7.8	
6/1/2009	7.46	7.88	
6/8/2009	7.51	7.84	
6/15/2009	7.2	7.6	
6/22/2009	3.56	1.64	
6/24/2009	7.3	7.7	
7/1/2009	7.2	7.7	
7/15/2009	7.5	7.7	
7/22/2009	7.5	7.7	
7/29/2009	7.5	7.7	
8/10/2009	7.4	8.2	
8/12/2009	7.5	8	
8/19/2009	7.3	7.7	0.48
8/26/2009	7.5	7.7	1.3
9/2/2009	7.6	7.6	2.02
9/9/2009	7.6	7.7	
9/16/2009	7.4	7.8	1.54
9/23/2009	7.4	7.5	1.46
9/30/2009	7	7.7	0.68
10/7/2009	7.1	7.4	
10/14/2009	7.1	7.5	
10/19/2009	7.2	7.5	
10/26/2009	7.2	7.4	0.34
11/2/2009	7.4	7.4	
11/9/2009	7.2	7.5	
11/17/2009	7.2	7.4	0.17
11/30/2009	7.3	7.4	
12/9/2009	7.4	7.6	2.68
12/14/2009	7.3	7.2	0.07
12/21/2009	7.4	7.4	0.02
12/29/2009	7.2	7.2	
			0.22
Mean	7.30605263	7.58394737	
t Interval	2.02619246	2.02619246	0.03
Standard Dev	0.65613751	1.05866703	1
Count	38	38	
Conf. Intvl.	0.21566703	0.3479752	



0.6
0.55
0.2

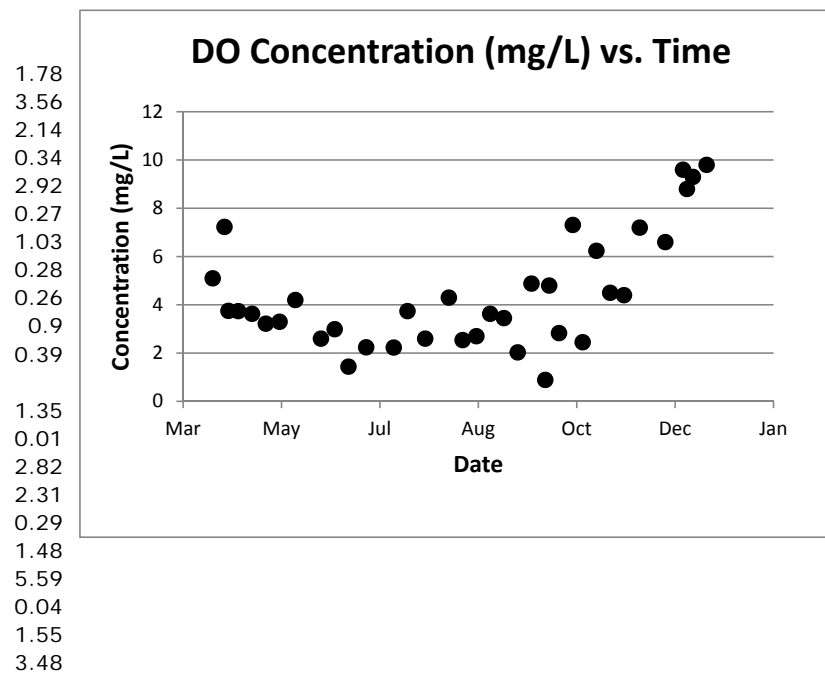
0.01

2.45
0.37
2.31

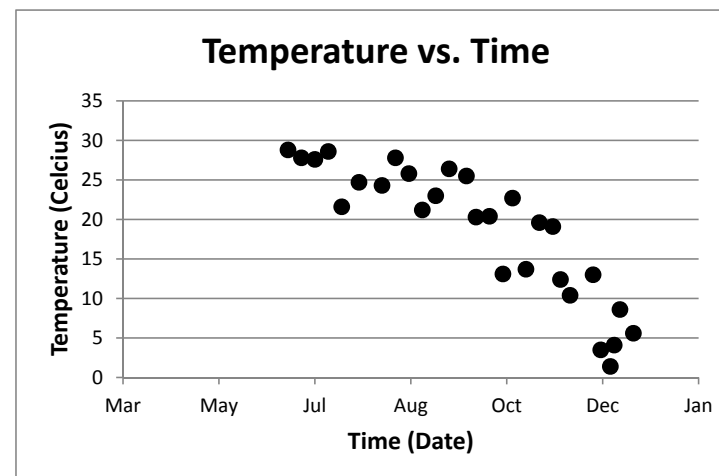
0.29
0.85
0.63
3.94

Date	Mixed Liquor, Surface Avg. Rain
4/14/2009	5.1
4/20/2009	7.23
4/22/2009	3.75
4/27/2009	3.74
5/4/2009	3.63
5/11/2009	3.22
5/18/2009	3.3
5/26/2009	4.2
6/8/2009	2.6
6/15/2009	2.99
6/22/2009	1.44
7/1/2009	2.24
7/15/2009	2.23
7/22/2009	3.74
7/31/2009	2.6
8/5/2009	
8/12/2009	4.3
8/19/2009	2.54
8/26/2009	2.7
9/2/2009	3.63
9/9/2009	3.45
9/16/2009	2.03
9/23/2009	4.88
9/30/2009	0.89
10/2/2009	4.8
10/7/2009	2.83
10/14/2009	7.31
10/19/2009	2.45
10/26/2009	6.24
11/2/2009	4.5
11/9/2009	4.4
11/17/2009	7.2
11/30/2009	6.6
12/9/2009	9.6
12/11/2009	8.8
12/14/2009	9.3
12/21/2009	9.8

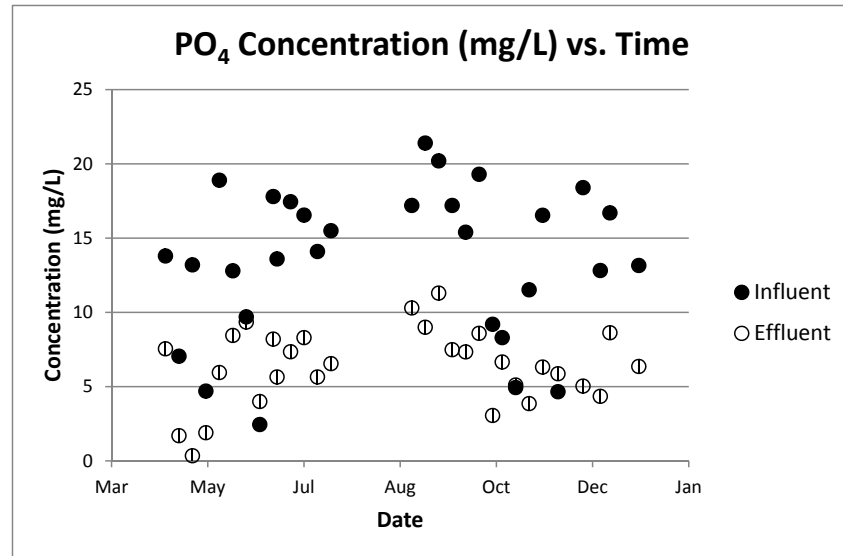
Mean 4.45166667
 t Interval 2.03010793
 Standard Dev 2.3670325
 Count 36
 Conf. Intvl. 0.80088857



Date	Temperature (C)
6/24/2009	28.8
7/1/2009	27.8
7/8/2009	27.6
7/15/2009	28.6
7/22/2009	21.6
7/31/2009	24.7
8/12/2009	24.3
8/19/2009	27.8
8/26/2009	25.8
9/2/2009	21.2
9/9/2009	23
9/16/2009	26.4
9/25/2009	25.5
9/30/2009	20.3
10/7/2009	20.4
10/14/2009	13.1
10/19/2009	22.7
10/26/2009	13.7
11/2/2009	19.6
11/9/2009	19.1
11/13/2009	12.4
11/18/2009	10.4
11/30/2009	13
12/4/2009	3.5
12/9/2009	1.4
12/11/2009	4.1
12/14/2009	8.6
12/21/2009	5.6
Mean	18.6071429
t Interval	2.05183052
Standard Dev	8.47221728
Count	28
Conf. Intvl.	3.2851829



Date	Influent	Effluent	Rain
4/27/2009	13.8	7.55	
5/4/2009	7.05	1.7	
5/11/2009	13.2	0.35	
5/18/2009	4.7	1.9	
5/25/2009	18.9	5.95	
6/1/2009	12.8	8.45	
6/8/2009	9.7	9.35	1.78
6/15/2009	2.45	4	3.56
6/22/2009	17.8	8.2	2.14
6/24/2009	13.6	5.65	0
7/1/2009	17.45	7.35	0.34
7/8/2009	16.55	8.3	0.17
7/15/2009	14.1	5.65	2.77
7/22/2009	15.5	6.55	0.25
7/29/2009			1.28
8/5/2009			0.26
8/12/2009			0.14
8/19/2009			1.15
8/26/2009			0
9/2/2009	17.2	10.3	
9/9/2009	21.4	9	0.2
9/16/2009	20.2	11.3	2.46
9/23/2009	17.2	7.49	2.68
9/30/2009	15.4	7.34	1.14
10/7/2009	19.3	8.59	4.58
10/14/2009	9.2	3.06	1.68
10/19/2009	8.3	6.66	0.93
10/26/2009	4.94	5.11	4.14
11/2/2009	11.52	3.86	3.48
11/9/2009	16.54	6.32	
11/17/2009	4.66	5.87	
11/30/2009	18.4	5.04	
12/9/2009	12.82	4.35	
12/14/2009	16.7	8.63	
12/21/2009			
12/29/2009	13.16	6.36	
Mean	13.4846667	6.341	
t Interval	2.04522964	2.04522964	
Standard Dev	5.08561917	2.56923892	
Count	30	30	
Conf. Intvl.	1.89900141	0.95936958	



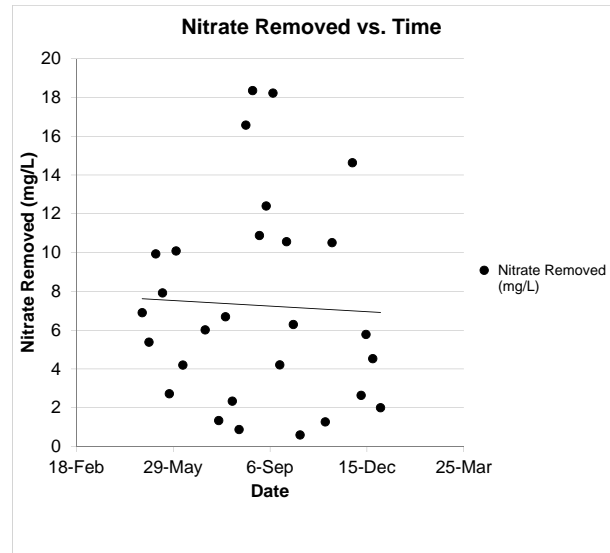
Mass Balance – Nitrogen

Date	Flowrate (Q)	TNI (mg/min)	TNe (mg/min)	TNI-TNe (mg/min)	Q(NH3e)	NO3i (mg/min)	Organic Ni (mg/min)	Organic Ne (mg/min)	NO3 Formed (mg/min)	Q(NO3e)	Denitrification Rate (mg/mir)	Yield (mg/mir)	Nitrate Removed (mg/L)	
4/27/2009	0.32	7.296	2.9824	4.3136	4.8	2.112	0.16472	2.33128	0.3904	2.688	0.48	2.208	2.1056	6.9
5/4/2009	0.32	6.56	2.368	4.192	3.2	0.2272	0.16472	3.19528	0.8896	2.9728	1.2512	1.7216	2.4704	5.38
5/11/2009	0.32	7.072	1.184	5.888	4.48	0.64	0.16472	2.42728	-0.1184	3.84	0.6624	3.1776	2.7104	9.93
5/18/2009	0.32	3.52	1.7216	1.7984	3.84	0.2176	0.16472	-0.48472	0.416	3.6224	1.088	2.5344	-0.736	7.92
5/25/2009	0.32	7.04	2.3232	4.7168	1.984	0.176	0.16472	4.89128	1.2096	1.808	0.9376	0.8704	3.8464	2.72
6/1/2009	0.32	6.368	2.4224	3.9456	4.8	1.28	0.16472	1.40328	0.84864	3.52	0.29376	3.22624	0.71936	10.082
6/8/2009	0.32	6.944	3.936	3.008	4.16	0.1504	0.16472	2.61928	1.12	4.0096	2.6656	1.344	1.664	4.2
6/15/2009	0.32	1.6896	2.88	-1.1904	0.832	0.16	0.16472	0.69288	0.3008	0.672	2.4192	-1.7472	0.5568	
7/1/2009	0.32	10.88	3.84	7.04	6.08	3.84	0.16472	4.63528	-0.3152	2.24	0.3152	1.9248	5.1152	6.015
7/15/2009	0.32	8.064	4.672	3.392	5.3696	4.8768	0.16472	2.52968	-0.2688	0.4928	0.064	0.4288	2.9632	1.34
7/22/2009	0.32	10.464	6.176	4.288	7.68	5.44	0.16472	2.61928	0.6368	2.24	0.0992	2.1408	2.1472	6.69
7/29/2009	0.32	8.672	5.952	2.72	6.4	5.44	0.16472	2.10728	0.3008	0.96	0.2112	0.7488	1.9712	2.34
8/5/2009	0.32	9.76	6.816	2.944	6.72	6.4	0.16472	2.87528	0.37632	0.32	0.03968	0.28032	2.66368	0.876
8/12/2009	0.32	11.52	2.832	8.688	8.32	2.912	0.16472	3.03528	-0.1856	5.408	0.1056	5.3024	3.3856	16.57
8/19/2009	0.32	12.064	4.672	7.392	8.64	2.432	0.16472	3.25928	1.904	6.208	0.336	5.872	1.52	18.35
8/26/2009	0.32	13.568	5.12	8.448	7.04	2.176	0.16472	6.36328	1.5616	4.864	1.3824	3.4816	4.9664	10.88
9/2/2009	0.32	13.184	6.656	6.528	7.68	1.6	0.16472	5.33928	2.944	6.08	2.112	3.968	2.56	12.4
9/9/2009	0.32	14.72	4.48	10.24	9.6	1.952	0.16472	4.95528	0.7104	7.648	1.8176	5.8304	4.4096	18.22
9/16/2009	0.32	12.672	6.656	6.016	7.04	5.12	0.16472	5.46728	0.9632	1.92	0.5728	1.3472	4.6688	4.21
9/23/2009	0.32	10.24	3.424	6.816	6.72	0.16	0.16472	3.35528	0.0832	6.56	3.1808	3.3792	3.4368	10.56
9/30/2009	0.32	10.688	4.736	5.952	7.04	4.48	0.16472	3.48328	-0.2912	2.56	0.5472	2.0128	3.9392	6.29
10/7/2009	0.32	20.032	11.584	8.448	8.32	8	0.16472	11.54728	3.45536	0.32	0.12864	0.19136	8.25664	0.598
10/14/2009	0.32	6.24	2.704	3.536	1.76	1.632	0.16472	4.31528	0.80224	0.128	0.26976	-0.14176	3.67776	
10/19/2009	0.32	7.488	5.184	2.304	5.056	5.056	0.16472	2.26728	0.09344	0.09344	0.03456	-0.03456	2.33856	
10/26/2009	0.32	3.5904	3.968	-0.3776	2.4064	0.8064	0.16472	1.01928	0.7744	1.6	2.3872	-0.7872	0.4096	
11/2/2009	0.32	6.528	2.6912	3.8368	2.5792	0.608	0.16472	3.78408	0.5184	1.9712	1.5648	0.4064	3.4304	1.27
11/9/2009	0.32	9.792	3.712	6.08	6.72	3.024	0.16472	2.90728	0.3552	3.696	0.3328	3.3632	2.7168	10.51
11/17/2009	0.32	3.5712	2.9376	0.6336	1.7984	0.0288	0.16472	1.60808	0.2208	1.7696	2.688	-0.9184	1.552	
11/30/2009	0.32	11.52	3.552	7.968	7.744	0.4512	0.16472	3.61128	0.4896	7.2928	2.6112	4.6816	3.2864	14.63
12/9/2009	0.32	8.256	4.448	3.808	4.928	2.1312	0.16472	3.16328	0.3648	2.7968	1.952	0.8448	2.9632	2.64
12/14/2009	0.32	9.472	4.448	5.024	5.6	2.0288	0.16472	3.70728	0.6976	3.5712	1.7216	1.8496	3.1744	5.78
12/21/2009	0.32	8.704	3.872	4.832	5.184	3.0976	0.16472	3.35528	0.1376	2.0864	0.6368	1.4496	3.3824	4.53
12/29/2009	0.32	8.064	3.84	4.224	4.16	3.52	0.16472	3.73928	0.32	0.64	0	0.64	3.584	2

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Count 32
Conf. Intvl. 0.761889917

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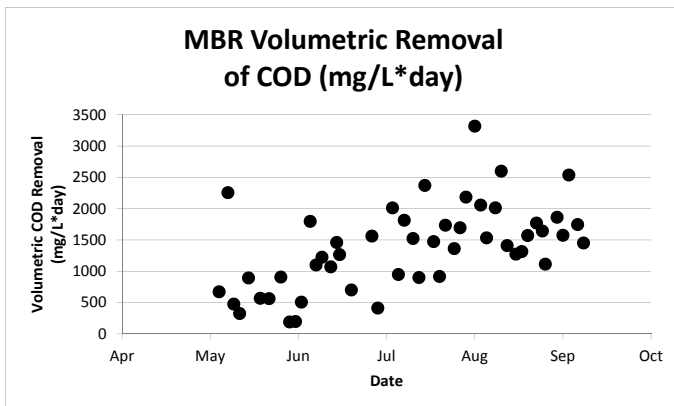
Date	TN		Date	NH3		Date	NO3	
	Influent	Effluent		Influent	Effluent		Influent	Effluent
4/27/2009	22.8	9.32	4/27/2009	15	6.6	4/27/2009	1.5	
5/4/2009	20.5	7.4	5/4/2009	10	0.71	5/4/2009	3.91	
5/11/2009	22.1	3.7	5/11/2009	14	2	5/11/2009	2.07	
5/18/2009	11	5.38	5/18/2009	12	0.68	5/18/2009	3.4	
5/25/2009	22	7.26	5/25/2009	6.2	0.55	5/25/2009	2.93	
6/1/2009	19.9	7.57	6/1/2009	15	4	6/1/2009	0.918	
6/8/2009	21.7	12.3	6/8/2009	13	0.47	6/8/2009	8.33	
6/15/2009	5.28	9	6/15/2009	2.6	0.5	6/15/2009	7.56	
7/1/2009	34	12	7/1/2009	19	12	7/1/2009	0.985	
7/15/2009	25.2	14.6	7/15/2009	16.78	15.24	7/15/2009	0.2	
7/22/2009	32.7	19.3	7/22/2009	24	17	7/22/2009	0.31	
7/29/2009	27.1	18.6	7/29/2009	20	17	7/29/2009	0.66	
8/5/2009	30.5	21.3	8/5/2009	21	20	8/5/2009	0.124	
8/12/2009	36	8.85	8/12/2009	26	9.1	8/12/2009	0.33	
8/19/2009	37.7	14.6	8/19/2009	27	7.6	8/19/2009	1.05	
8/26/2009	42.4	16	8/26/2009	22	6.8	8/26/2009	4.32	
9/2/2009	41.2	20.8	9/2/2009	24	5	9/2/2009	6.6	
9/9/2009	46	14	9/9/2009	30	6.1	9/9/2009	5.68	
9/16/2009	39.6	20.8	9/16/2009	22	16	9/16/2009	1.79	
9/23/2009	32	10.7	9/23/2009	21	0.5	9/23/2009	9.94	
9/30/2009	33.4	14.8	9/30/2009	22	14	9/30/2009	1.71	
10/7/2009	62.6	36.2	10/7/2009	26	25	10/7/2009	0.402	
10/14/2009	19.5	8.45	10/14/2009	5.5	5.1	10/14/2009	0.843	
10/19/2009	23.4	16.2	10/19/2009	15.8	15.8	10/19/2009	0.108	
10/26/2009	11.22	12.4	10/26/2009	7.52	2.52	10/26/2009	7.46	
11/2/2009	20.4	8.41	11/2/2009	8.06	1.9	11/2/2009	4.89	
11/9/2009	30.6	11.6	11/9/2009	21	9.45	11/9/2009	1.04	
11/17/2009	11.16	9.18	11/17/2009	5.62	0.09	11/17/2009	8.4	
11/30/2009	36	11.1	11/30/2009	24.2	1.41	11/30/2009	8.16	
12/9/2009	25.8	13.9	12/9/2009	15.4	6.66	12/9/2009	6.1	
12/14/2009	29.6	13.9	12/14/2009	17.5	6.34	12/14/2009	5.38	
12/21/2009	27.2	12.1	12/21/2009	16.2	9.68	12/21/2009	1.99	
12/29/2009	25.2	12	12/29/2009	13	11	12/29/2009	0	



Date	Influent	Effluent	Flow Rate (m	Influent (mg/	Effluent (mg/	COD Remove	COD Remove	COD Removed per Vol Day (mg/L*day)
5/22/2009	209	12.6	0.333	69.597	4.1958	65.4012	0.46715143	672.698057
5/25/2009	670	11.2		223.11	3.7296	219.3804	1.56700286	2256.48411
5/27/2009	142	3		47.286	0.999	46.287	0.33062143	476.094857
5/29/2009	117	22		38.961	7.326	31.635	0.22596429	325.388571
6/1/2009	264	3		87.912	0.999	86.913	0.62080714	893.962286
6/5/2009	183	17		60.939	5.661	55.278	0.39484286	568.573714
6/8/2009	180	15.5		59.94	5.1615	54.7785	0.391275	563.436
6/10/2009	0	0		0	0	0	0	0
6/12/2009	278	13		92.574	4.329	88.245	0.63032143	907.662857
6/15/2009	66	10.3		21.978	3.4299	18.5481	0.13248643	190.780457
6/17/2009	64	6.14		21.312	2.04462	19.26738	0.13762414	198.178766
6/19/2009	164	15.7		54.612	5.2281	49.3839	0.35274214	507.948686
6/22/2009	537	12		178.821	3.996	174.825	1.24875	1798.2
6/24/2009	328	6.49		109.224	2.16117	107.06283	0.7647345	1101.21768
6/26/2009	370	12.2		123.21	4.0626	119.1474	0.85105286	1225.51611
6/29/2009	328	15.2		109.224	5.0616	104.1624	0.74401714	1071.38469
7/1/2009	444	17.5		147.852	5.8275	142.0245	1.01446071	1460.82343
7/2/2009	396	26.1		131.868	8.6913	123.1767	0.87983357	1266.96034
7/6/2009	208	3.1		69.264	1.0323	68.2317	0.48736929	701.811771
7/13/2009	480	23.8		159.84	7.9254	151.9146	1.08510429	1562.55017
7/15/2009	141	20.4		46.953	6.7932	40.1598	0.28685571	413.072229
7/17/2009	0	18.6		0	6.1938	-6.1938	-0.0442414	
7/20/2009	596	8.28		198.468	2.75724	195.71076	1.397934	2013.02496
7/22/2009	290	13		96.57	4.329	92.241	0.65886429	948.764571
7/24/2009	545	14.9		181.485	4.9617	176.5233	1.26088071	1815.66823
7/27/2009	450	4.97		149.85	1.65501	148.19499	1.05853564	1524.29133
7/29/2009	279	16		92.907	5.328	87.579	0.62556429	900.812571
7/31/2009	698	5.53		232.434	1.84149	230.59251	1.64708936	2371.80867
8/3/2009	445	14.5		148.185	4.8285	143.3565	1.023975	1474.524
8/5/2009	298	30		99.234	9.99	89.244	0.63745714	917.938286
8/7/2009	533	26		177.489	8.658	168.831	1.20593571	1736.54743
8/10/2009	412	14		137.196	4.662	132.534	0.94667143	1363.20686
8/12/2009	507	12		168.831	3.996	164.835	1.17739286	1695.44571
8/14/2009	664	26		221.112	8.658	212.454	1.51752857	2185.24114
8/17/2009	998	29		332.334	9.657	322.677	2.30483571	3318.96343
8/19/2009	623	22		207.459	7.326	200.133	1.42952143	2058.51086
8/21/2009	449	1		149.517	0.333	149.184	1.0656	1534.464
8/24/2009	613	25		204.129	8.325	195.804	1.3986	2013.984
8/26/2009	786	27		261.738	8.991	252.747	1.80533571	2599.68343
8/28/2009	428	16		142.524	5.328	137.196	0.97997143	1411.15886
8/31/2009	392	20		130.536	6.66	123.876	0.88482857	1274.15314
9/2/2009	408	24		135.864	7.992	127.872	0.91337143	1315.25486
9/4/2009	473	14		157.509	4.662	152.847	1.09176429	1572.14057
9/7/2009	557	40		185.481	13.32	172.161	1.22972143	1770.79886
9/9/2009	496	16		165.168	5.328	159.84	1.14171429	1644.06857
9/10/2009	326	0.7		108.558	0.2331	108.3249	0.77374929	1114.19897
9/14/2009	570	26		189.81	8.658	181.152	1.29394286	1863.27771
9/16/2009	488	28		162.504	9.324	153.18	1.09414286	1575.56571
9/18/2009	765	24		254.745	7.992	246.753	1.76252143	2538.03086
9/21/2009	522	12		173.826	3.996	169.83	1.21307143	1746.82286
9/23/2009	430	6		143.19	1.998	141.192	1.00851429	1452.26057

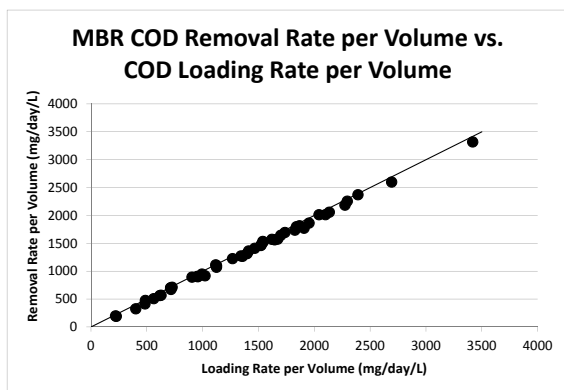
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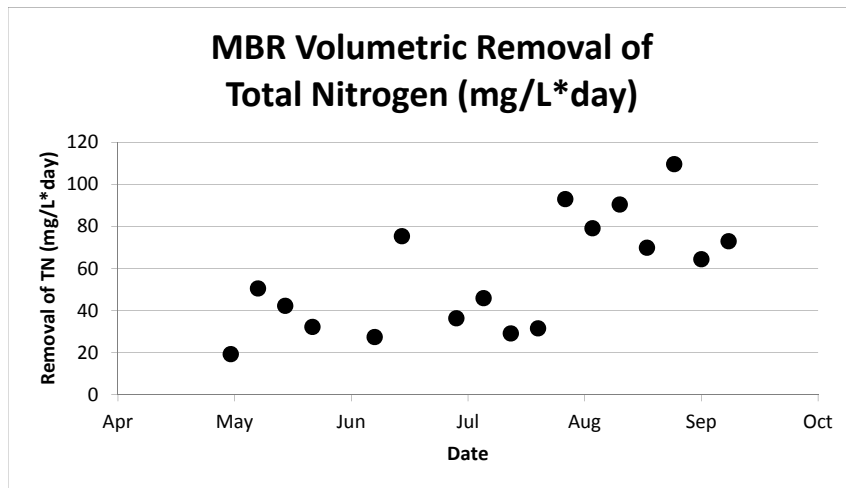
Date	Influent	Effluent	Flow Rate (L/ Inflow-Efflu	Removal *Flowrate (mg/day)	Influent*Flowrate (mg/day)	Removal [Q(r	Load [Q(influent)/V]		
5/18/2009	208	4.85	0.333	203.15	97414.488	99740.16	695.817771	712.429714	0
5/24/2010	212	4.01		207.99	99735.3648	101658.24	712.395463	726.130286	3500
5/26/2010	209	12.6		196.4	94177.728	100219.68	672.698057	715.854857	
5/29/2010	670	11.2		658.8	315907.776	321278.4	2256.48411	2294.84571	
6/1/2010	142	3		139	66653.28	68091.84	476.094857	486.370286	
6/2/2010	117	22		95	45554.4	56103.84	325.388571	400.741714	
6/4/2010	264	3		261	125154.72	126593.28	893.962286	904.237714	
6/7/2010	183	17		166	79600.32	87752.16	568.573714	626.801143	
6/9/2010	180	15.5		164.5	78881.04	86313.6	563.436	616.525714	
6/11/2010	0	0		0	0	0	0	0	
6/14/2010	278	13		265	127072.8	133306.56	907.662857	952.189714	
6/16/2010	66	10.3		55.7	26709.264	31648.32	190.780457	226.059429	
6/18/2010	64	6.14		57.86	27745.0272	30689.28	198.178766	219.209143	
6/20/2010	164	15.7		148.3	71112.816	78641.28	507.948686	561.723429	
6/23/2010	537	12		525	251748	257502.24	1798.2	1839.30171	
6/25/2010	328	6.49		321.51	154170.4752	157282.56	1101.21768	1123.44686	
6/28/2010	370	12.2		357.8	171572.256	177422.4	1225.51611	1267.30286	
6/30/2010	328	15.2		312.8	149993.856	157282.56	1071.38469	1123.44686	
7/1/2010	444	17.5		426.5	204515.28	212906.88	1460.82343	1520.76343	
7/2/2010	396	26.1		369.9	177374.448	189889.92	1266.96034	1356.35657	
7/6/2010	208	3.1		204.9	98253.648	99740.16	701.811771	712.429714	
7/7/2010	480	23.8		456.2	218757.024	230169.6	1562.55017	1644.06857	
7/9/2010	141	20.4		120.6	57830.112	67612.32	413.072229	482.945143	
7/10/2010		18.6		-18.6	-8919.072	0	0	0	
7/11/2010	596	8.28		587.72	281823.4944	285793.92	2013.02496	2041.38514	
7/16/2010	290	13		277	132827.04	139060.8	948.764571	993.291429	
7/19/2010	545	14.9		530.1	254193.552	261338.4	1815.66823	1866.70286	
7/21/2010	450	4.97		445.03	213400.7856	215784	1524.29133	1541.31429	
7/23/2010	279	16		263	126113.76	133786.08	900.812571	955.614857	
7/26/2010	698	5.53		692.47	332053.2144	334704.96	2371.80867	2390.74971	
7/28/2010	445	14.5		430.5	206433.36	213386.4	1474.524	1524.18857	
7/30/2010	298	30		268	128511.36	142896.96	917.938286	1020.69257	
8/4/2010	533	26		507	243116.64	255584.16	1736.54743	1825.60114	
8/6/2010	412	14		398	190848.96	197562.24	1363.20686	1411.15886	
8/9/2010	507	12		495	237362.4	243116.64	1695.44571	1736.54743	
8/11/2010	664	26		638	305933.76	318401.28	2185.24114	2274.29486	
8/13/2010	998	29		969	464654.88	478560.96	3318.96343	3418.29257	
8/15/2010	623	22		601	288191.52	298740.96	2058.51086	2133.864	
8/20/2010	449	1		448	214824.96	215304.48	1534.464	1537.88914	
8/23/2010	613	25		588	281957.76	293945.76	2013.984	2099.61257	
8/27/2010	786	27		759	363955.68	376902.72	2599.68343	2692.16229	
8/30/2010	428	16		412	197562.24	205234.56	1411.15886	1465.96114	
9/1/2010	392	20		372	178381.44	187971.84	1274.15314	1342.656	
9/3/2010	408	24		384	184135.68	195644.16	1315.25486	1397.45829	
9/8/2010	473	14		459	220099.68	226812.96	1572.14057	1620.09257	
9/10/2010	557	40		517	247911.84	267092.64	1770.79886	1907.80457	
9/12/2010	496	16		480	230169.6	237841.92	1644.06857	1698.87086	
9/15/2010	326	0.7		325.3	155987.856	156323.52	1114.19897	1116.59657	
9/17/2010	570	26		544	260858.88	273326.4	1863.27771	1952.33143	
9/22/2010	488	28		460	220579.2	234005.76	1575.56571	1671.46971	

3318.96343



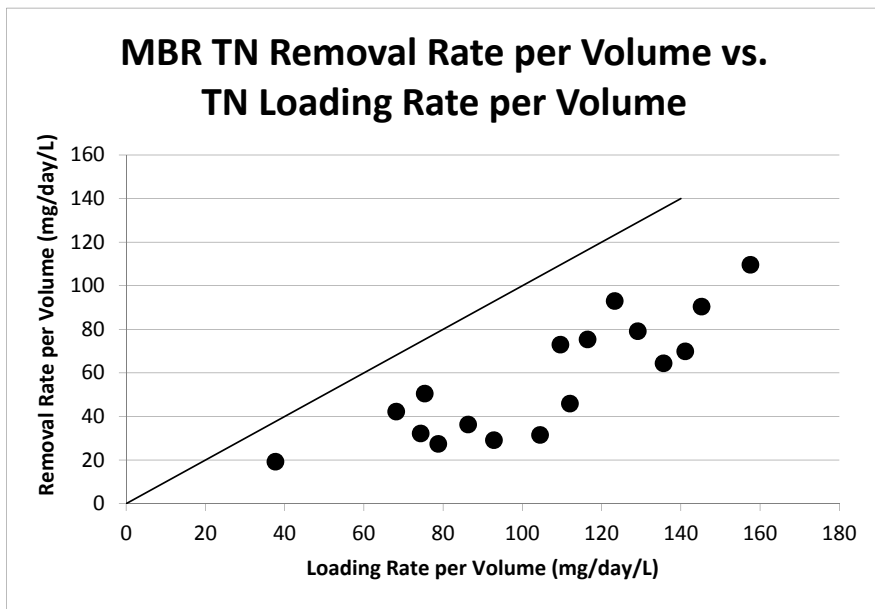
Date	Influent	Effluent	Flow Rate (m	Influent (mg/	Effluent (mg/	TN Removed	TN Removed per Vol (mg/L*mi	TN Removed per Vol Day (mg/L*day)
5/18/2009	11	5.38	0.333	3.663	1.79154	1.87146	0.013367571	19.2493029
5/25/2009	22	7.26		7.326	2.41758	4.90842	0.035060143	50.4866057
6/1/2009	19.9	7.57		6.6267	2.52081	4.10589	0.029327786	42.2320114
6/8/2009	21.7	12.3		7.2261	4.0959	3.1302	0.022358571	32.1963429
6/15/2009	5.28	9		1.75824	2.997	-1.23876	-0.008848286	
6/24/2009	23	15		7.659	4.995	2.664	0.019028571	27.4011429
7/1/2009	34	12		11.322	3.996	7.326	0.052328571	75.3531429
7/15/2009	25.2	14.6		8.3916	4.8618	3.5298	0.025212857	36.3065143
7/22/2009	32.7	19.3		10.8891	6.4269	4.4622	0.031872857	45.8969143
7/29/2009	27.1	18.6		9.0243	6.1938	2.8305	0.020217857	29.1137143
8/5/2009	30.5	21.3		10.1565	7.0929	3.0636	0.021882857	31.5113143
8/12/2009	36	8.85		11.988	2.94705	9.04095	0.064578214	92.9926286
8/19/2009	37.7	14.6		12.5541	4.8618	7.6923	0.054945	79.1208
8/26/2009	42.4	16		14.1192	5.328	8.7912	0.062794286	90.4237714
9/2/2009	41.2	20.8		13.7196	6.9264	6.7932	0.048522857	69.8729143
9/9/2009	46	14		15.318	4.662	10.656	0.076114286	109.604571
9/16/2009	39.6	20.8		13.1868	6.9264	6.2604	0.044717143	64.3926857
9/23/2009	32	10.7		10.656	3.5631	7.0929	0.050663571	72.9555429

57.0064659



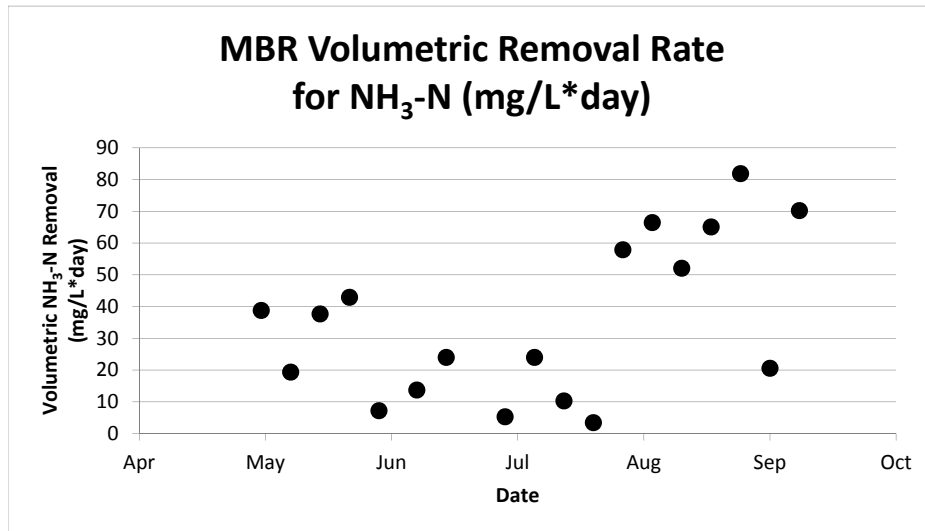
Date	Influent	Effluent	Flow Rate (L/ Influent-Efflu	Removal *Flo Influent*Flow	Removal [Q(r Load [Q(influent)/V]					
5/18/2009	11	5.38	0.333	5.62	2694.9024	5274.72	19.2493029	37.6765714	0	0
5/25/2009	22	7.26		14.74	7068.1248	10549.44	50.4866057	75.3531429	140	140
6/1/2009	19.9	7.57		12.33	5912.4816	9542.448	42.2320114	68.1603429		
6/8/2009	21.7	12.3		9.4	4507.488	10405.584	32.1963429	74.3256		
6/15/2009	5.28	9		-3.72	-1783.8144	2531.8656				
6/24/2009	23	15		8	3836.16	11028.96	27.4011429	78.7782857		
7/1/2009	34	12		22	10549.44	16303.68	75.3531429	116.454857		
7/15/2009	25.2	14.6		10.6	5082.912	12083.904	36.3065143	86.3136		
7/22/2009	32.7	19.3		13.4	6425.568	15680.304	45.8969143	112.002171		
7/29/2009	27.1	18.6		8.5	4075.92	12994.992	29.1137143	92.8213714		
8/5/2009	30.5	21.3		9.2	4411.584	14625.36	31.5113143	104.466857		
8/12/2009	36	8.85		27.15	13018.968	17262.72	92.9926286	123.305143		
8/19/2009	37.7	14.6		23.1	11076.912	18077.904	79.1208	129.127886		
8/26/2009	42.4	16		26.4	12659.328	20331.648	90.4237714	145.226057		
9/2/2009	41.2	20.8		20.4	9782.208	19756.224	69.8729143	141.115886		
9/9/2009	46	14		32	15344.64	22057.92	109.604571	157.556571		
9/16/2009	39.6	20.8		18.8	9014.976	18988.992	64.3926857	135.635657		
9/23/2009	32	10.7		21.3	10213.776	15344.64	72.9555429	109.604571		

109.604571



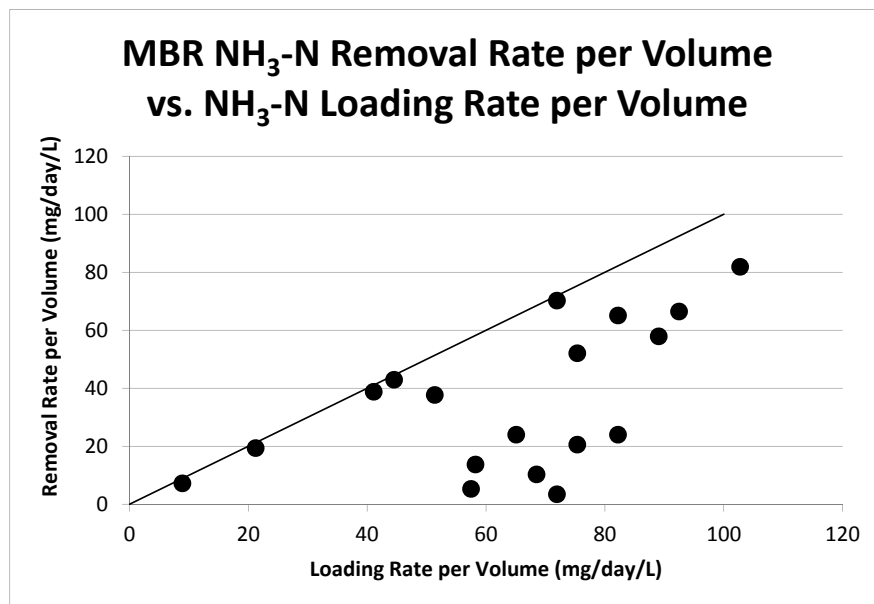
Date	Influent (mg/)	Effluent (mg/)	Flow Rate (m	Influent (mg/)	Effluent (mg/)	NH3 Removed (mg/min)	NH3 Remover	NH3 Removed per Vol Day (mg/L*day)
5/18/2009	12	0.68	0.333	3.996	0.22644	3.76956	0.02692543	38.7726171
5/25/2009	6.2	0.55		2.0646	0.18315	1.88145	0.01343893	19.3520571
6/1/2009	15	4		4.995	1.332	3.663	0.02616429	37.6765714
6/8/2009	13	0.47		4.329	0.15651	4.17249	0.0298035	42.91704
6/15/2009	2.6	0.5		0.8658	0.1665	0.6993	0.004995	7.1928
6/24/2009	17	13		5.661	4.329	1.332	0.00951429	13.7005714
7/1/2009	19	12		6.327	3.996	2.331	0.01665	23.976
7/15/2009	16.78	15.24		5.58774	5.07492	0.51282	0.003663	5.27472
7/22/2009	24	17		7.992	5.661	2.331	0.01665	23.976
7/29/2009	20	17		6.66	5.661	0.999	0.00713571	10.2754286
8/5/2009	21	20		6.993	6.66	0.333	0.00237857	3.42514286
8/12/2009	26	9.1		8.658	3.0303	5.6277	0.04019786	57.8849143
8/19/2009	27	7.6		8.991	2.5308	6.4602	0.04614429	66.4477714
8/26/2009	22	6.8		7.326	2.2644	5.0616	0.03615429	52.0621714
9/2/2009	24	5		7.992	1.665	6.327	0.04519286	65.0777143
9/9/2009	30	6.1		9.99	2.0313	7.9587	0.05684786	81.8609143
9/16/2009	22	16		7.326	5.328	1.998	0.01427143	20.5508571
9/23/2009	21	0.5		6.993	0.1665	6.8265	0.04876071	70.2154286

35.59104



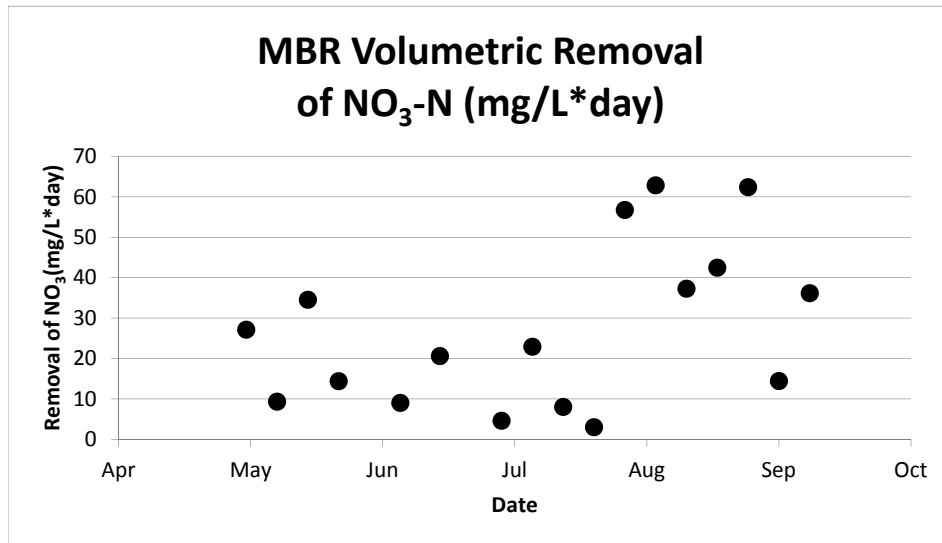
Date	Influent	Effluent	Flow Rate (L/	Influent-Efflu	Removal *Flo	Influent*Flow	Removal [Q(r	Load [Q(influent)/V]		
5/18/2009	12	0.68	0.333	11.32	5428.1664	5754.24	38.7726171	41.1017143	0	0
5/25/2009	6.2	0.55		5.65	2709.288	2973.024	19.3520571	21.2358857	100	100
6/1/2009	15	4		11	5274.72	7192.8	37.6765714	51.3771429		
6/8/2009	13	0.47		12.53	6008.3856	6233.76	42.91704	44.5268571		
6/15/2009	2.6	0.5		2.1	1006.992	1246.752	7.1928	8.90537143		
6/24/2009	17	13		4	1918.08	8151.84	13.7005714	58.2274286		
7/1/2009	19	12		7	3356.64	9110.88	23.976	65.0777143		
7/15/2009	16.78	15.24		1.54	738.4608	8046.3456	5.27472	57.4738971		
7/22/2009	24	17		7	3356.64	11508.48	23.976	82.2034286		
7/29/2009	20	17		3	1438.56	9590.4	10.2754286	68.5028571		
8/5/2009	21	20		1	479.52	10069.92	3.42514286	71.928		
8/12/2009	26	9.1		16.9	8103.888	12467.52	57.8849143	89.0537143		
8/19/2009	27	7.6		19.4	9302.688	12947.04	66.4477714	92.4788571		
8/26/2009	22	6.8		15.2	7288.704	10549.44	52.0621714	75.3531429		
9/2/2009	24	5		19	9110.88	11508.48	65.0777143	82.2034286		
9/9/2009	30	6.1		23.9	11460.528	14385.6	81.8609143	102.754286		
9/16/2009	22	16		6	2877.12	10549.44	20.5508571	75.3531429		
9/23/2009	21	0.5		20.5	9830.16	10069.92	70.2154286	71.928		

81.8609143



Date	Influent	Effluent	Flow Rate (m	Influent (mg/	Effluent (mg/	NO3 Remover	NO3 Remover	NO3 Removed per Vol Day (mg/L*day)
5/18/2009	11.32	3.4	0.333	3.76956	1.1322	2.63736	0.01883829	27.1271314
5/25/2009	5.65	2.93		1.88145	0.97569	0.90576	0.00646971	9.31638857
6/1/2009	11	0.918		3.663	0.305694	3.357306	0.02398076	34.5322903
6/8/2009	12.53	8.33		4.17249	2.77389	1.3986	0.00999	14.3856
6/15/2009	2.1	7.56		0.6993	2.51748	-1.81818	-0.012987	
6/22/2009	4	1.37		1.332	0.45621	0.87579	0.00625564	9.00812571
7/1/2009	7	0.985		2.331	0.328005	2.002995	0.01430711	20.6022343
7/15/2009	1.54	0.2		0.51282	0.0666	0.44622	0.00318729	4.58969143
7/22/2009	7	0.31		2.331	0.10323	2.22777	0.01591264	22.9142057
7/29/2009	3	0.66		0.999	0.21978	0.77922	0.00556586	8.01483429
8/5/2009	1	0.124		0.333	0.041292	0.291708	0.00208363	3.00042514
8/12/2009	16.9	0.33		5.6277	0.10989	5.51781	0.03941293	56.7546171
8/19/2009	19.4	1.05		6.4602	0.34965	6.11055	0.04364679	62.8513714
8/26/2009	15.2	4.32		5.0616	1.43856	3.62304	0.02587886	37.2655543
9/2/2009	19	6.6		6.327	2.1978	4.1292	0.02949429	42.4717714
9/9/2009	23.9	5.68		7.9587	1.89144	6.06726	0.04333757	62.4061029
9/16/2009	6	1.79		1.998	0.59607	1.40193	0.01001379	14.4198514
9/23/2009	20.5	9.94		6.8265	3.31002	3.51648	0.02511771	36.1695086

27.4017473



Date	Influent	Effluent	Flow Rate (L/	Influent-Efflu	Removal *Flo	Influent*Flow	Removal [Q(r	Load [Q(influent)/V]		
5/18/2009	11.32	3.4	0.333	7.92	3797.7984	5428.1664	27.1271314	38.7726171	0	0
5/25/2009	5.65	2.93		2.72	1304.2944	2709.288	9.31638857	19.3520571	80	80
6/1/2009	11	0.918		10.082	4834.52064	5274.72	34.5322903	37.6765714		
6/8/2009	12.53	8.33		4.2	2013.984	6008.3856	14.3856	42.91704		
6/15/2009	2.1	7.56		-5.46	-2618.1792	1006.992				
6/22/2009	4	1.37		2.63	1261.1376	1918.08	9.00812571	13.7005714		
7/1/2009	7	0.985		6.015	2884.3128	3356.64	20.6022343	23.976		
7/15/2009	1.54	0.2		1.34	642.5568	738.4608	4.58969143	5.27472		
7/22/2009	7	0.31		6.69	3207.9888	3356.64	22.9142057	23.976		
7/29/2009	3	0.66		2.34	1122.0768	1438.56	8.01483429	10.2754286		
8/5/2009	1	0.124		0.876	420.05952	479.52	3.00042514	3.42514286		
8/12/2009	16.9	0.33		16.57	7945.6464	8103.888	56.7546171	57.8849143		
8/19/2009	19.4	1.05		18.35	8799.192	9302.688	62.8513714	66.4477714		
8/26/2009	15.2	4.32		10.88	5217.1776	7288.704	37.2655543	52.0621714		
9/2/2009	19	6.6		12.4	5946.048	9110.88	42.4717714	65.0777143		
9/9/2009	23.9	5.68		18.22	8736.8544	11460.528	62.4061029	81.8609143		
9/16/2009	6	1.79		4.21	2018.7792	2877.12	14.4198514	20.5508571		
9/23/2009	20.5	9.94		10.56	5063.7312	9830.16	36.1695086	70.2154286		

62.8513714

