

Appendix 4-4

**Marstons Mills WWTF Monthly Operating
Data Summary**

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Marstons Mills Middle School WWTF Monthly Operating Data Summary**

	INFLUENT FLOWS (gallons)	5 DAY BOD			TOTAL SUSPENDED SOLIDS (TSS)			MONTHLY PARAMETERS (EFFLUENT)			
		INFLUENT		EFFLUENT	INFLUENT		EFFLUENT	NITRATE (NO ₃)	TKN	NH ₃	TOTAL NITROGEN (TN)
		mg/L	lb/d	mg/L	mg/L	lb/d	mg/L	mg/L	mg/L	mg/L	
Oct-06	9,480	84	6.6	7	312	24.7	2	3	1	0.9	4
Nov-06	9,550	51	4.0	14	102	8.1	3	9	2	0.4	13
Dec-06	7,900	139	9.2	13	112	7.4	5	6	2	0.2	9
Average	8,980	91	6.8	11	175	13.1	3	6	2	0.5	9
Max Month	9,550	139	11.1	14	312	24.9	5	9	2	0.9	13
Min Month	7,900	51	3.3	7	102	6.7	2	3	1	0.2	4
% Removal				88			98				
Jan-07	9,420	101	7.9	24	113	8.9	4	6	1	0.1	8
Feb-07	11,900	94	9.3	11	132	13.1	5	2	2	0.3	3
Mar-07	13,300	140	15.5	5	140	15.5	5	3	2	0.4	5
Apr-07	11,500	161	15.5	29	644	61.8	4	1	18	15.8	19
May-07	10,500	419	36.7	19	840	73.6	5	4	2	2.1	7
Jun-07	6,810	284	16.1	6	132	7.5	3	1	1	0.3	2
Jul-07	3,920	165	5.4	4	940	30.7	3	3	2	0.6	6
Aug-07	4,780	41	1.6	6	No data		2	3	No data		7
Sep-07	9,360	35	2.7	3	99	7.7	3	8	2	0.6	10
Oct-07	1,170	69	0.7	6	93	0.9	3	5	2	1.1	6
Nov-07	1,070	81	0.7	5	160	1.4	5	6	2	0.2	9
Dec-07	10,400	109	9.5	5	No data		4	3	No data		4
Average	7,840	142	9.3	10	329	21.5	4	4	3	1.9	7
Max Month	13,300	419	46.5	29	940	104.3	5	8	18	15.8	19
Min Month	1,070	35	0.3	3	93	0.8	2	1	1	0.1	2
% Removal				93			99				
Jan-08	11,500	17	1.6	8	130	12.5	8	2	2	0.6	5
Feb-08	9,950	36	3.0	10	248	20.6	8	2	5	0.6	8
Mar-08	10,800	53	4.8	7	No data		4	2	No data		6
Apr-08	9,240	62	4.8	7	No data		5	1	No data		8
May-08	8,890	46	3.4	10	No data		4	3	No data		11
Jun-08	7,460	72	4.5	9	No data		6	2	No data		5
Jul-08	3,870	52	1.7	4	No data		2	1	No data		2
Aug-08	5,218	10	0.4	4	No data		2	2	No data		3
Sep-08	10,300	177	15.2	4	No data		2	8	No data		1
Oct-08	9,860	146	12.0	70	No data		3	11	No data		3
Nov-08	7,950	141	9.4	12	No data		4	5	No data		11
Dec-08	8,810	61	4.5	17	No data		3	1	No data		3
Average	8,640	74	5.3	13	189	13.6	4	3	4	1.7	6
Max Month	11,500	177	16.9	70	248	23.8	8	11	5	7.2	11
Min Month	3,870	10	0.3	4	130	4.2	2	1	2	0.2	1
% Removal				82			98				
Jan-09	11,200	26	2.4	3	No data		2	1	No data		2
Feb-09	8,070	33	2.2	4	No data		2	1	No data		2
Mar-09	10,400	45	3.9	6	No data		3	1	No data		3
Apr-09	10,500	71	6.2	7	No data		3	1	No data		4
May-09	11,400	33	3.1	5	No data		5	1	No data		5
Jun-09	9,340	30	2.3	6	No data		10	1	No data		3
Jul-09	4,070	15	0.5	8	No data		4	3	No data		5
Aug-09	4,520	19	0.7	3	No data		2	2	No data		4
Sep-09	9,070	35	2.7	3	No data		2	1	No data		3
Average	8,730	34	2.5	5			4	1		0.9	3
Max Month	11,400	71	6.7	8			10	3		2.6	5
Min Month	4,070	15	0.5	3			2	1		0.2	2
% Removal				86			n/a				
Cumulative Average	8,430	88	6.7	10	280	19.6	4	3	3	1.4	6
Cumulative Max Mo	13,300	419	36.7	70	940	73.6	10	11	18	15.8	19
Cumulative Min Mo	1,070	10	0.4	3	93	0.9	2	1	1	0.1	1
Cumulative % Removal				88			99				

Note:

1. All data are monthly averages.