

**FRANKLIN TOWNSHIP MUNICIPAL SANITARY AUTHORITY
MEADOWBROOK SEWAGE TREATMENT PLANT
TWELVE MONTH PERFORMANCE SUMMARY - 2010**

NPDES PA0025674	INFLUENT								30 DAY AVERAGE - EFFLUENT								7 DAY MAX. AVERAGE				MAXIMUM DAY					EFFLUENT AT ALL TIME		WASTE SLUDGE HAULED 1000 LBS.						
	AVG FLOW	FLOW MAX	BOD ₅ INF.	TSS INF.	NH ₃ -N INF.	INFLUENT LOADING			CBOD ₅ EFF.	TSS EFF.	NH ₃ -N EFF.	Cl ₂ EFF.	REMOVAL		EFF. LOADING			FECAL COL.	CBOD ₅	TSS	NH ₃ -N	FECAL COL.	CBOD ₅	TSS	NH ₃ -N	Cl ₂	FECAL COL.		DO	pH				
	MGD	MGD	mg/l	mg/l	mg/l	LB/D	LB/D	LB/D	mg/l	mg/l	mg/l	mg/l	%	%	LB/D	LB/D	LB/D	#/100 ml	LB/D	LB/D	LB/D	#/100 ml	LB/D	LB/D	LB/D	LB/D	LB/D		mg/l	S.U.				
PLANT DESIGN	4.9	****	****	****	****	10,000	10,000	****					****	****																				
Winter Limits									20	30	3.4	0.03																		MIN. 6.0	6.0 - 9.0			
Summer Limits*									10	30	2	0.03																		MIN. 6.0	6.0 - 9.0			
JANUARY 2010	4.070	10.17	167	154	30.3	4656	4279	839	5	3	0.1	0	97	98	151	88	3	38	194	137	3	236	227	192	5	4	0.2	5	0	1096	11.2	6.9	7.7	28.0
FEBRUARY 2010	3.446	6.13	180	191	25.2	4703	5085	691	5	6	<0.1	0	97	97	139	190	<3	16	186	289	<4	44	215	435	<5	0.04	192	11.1	7.1	7.6	26.1			
MARCH 2010	5.447	11.65	120	140	17.1	4646	5613	681	4	5	<0.1	0	97	96	183	245	<4	57	378	540	<8	658	473	597	<8	0.16	1110	10.0	7.1	7.7	11.1			
APRIL 2010	3.175	5.46	210	219	22.0	5220	5439	549	5	6	<0.1	0.01	98	97	129	139	<2	28	211	176	3	104	386	225	3	0.01	495	8.2	7.4	7.4	92.8			
MAY 2010	3.624	6.46	170	169	14.0	5085	5101	434	4	3	<0.1	0.03	98	98	106	102	<3	18	138	159	<4	82	197	377	<5	0.32	189	7.9	7.4	7.4	39.1			
JUNE 2010	3.667	8.17	202	198	16.6	5581	5496	454	3	2	<0.1	0	99	99	80	55	<3	4	101	70	<4	3	173	143	<6	0	53	6.7	7.5	7.5	38.5			
JULY 2010	2.765	4.80	220	223	19.4	4619	4530	414	5	4	0.1	0	98	98	95	85	<2	6	139	105	<3	23	218	191	<4	0	68	5.3	7.0	7.0	43.5			
AUGUST 2010	2.580	3.80	269	236	20.1	6002	5461	448	3	1	0.1	0	99	99	66	33	2	2	69	46	3	3	88	67	2	0.08	6	6.1	7.2	7.2	54.7			
SEPTEMBER 2010	2.641	4.06	254	232	20.1	5703	5185	450	3	2	0.1	0	99	99	69	58	2	2	41	93	3	18	111	129	4	0	27	6.5	7.2	7.2	48.7			
OCTOBER 2010	2.814	4.54	261	256	18.3	6320	6202	443	7	3	0.1	0	97	99	176	67	2	1	291	153	2	2	>16.1	338	2	0.05	3	7.9	7.2	7.2	46.4			
NOVEMBER 2010	3.470	11.39	243	240	18.5	6841	6457	459	19	2	<0.1	0	92	99	526	132	<3	40	767	47	<3	153	1256	1159	<10	0.06	3400	7.8	7.0	7.0	35.0			
DECEMBER 2010	3.223	9.89	165	152	17.8	4051	3794	429	4	4	0.3	0	98	97	121	142	7	3	245	294	14	<10	503	751	24	0	9	7.2	7.5	7.5	2.8			
ANNUAL AVERAGE	3.410	MAX 11.65	205	201	20.0	5286	5220	524	6	4	0.1	0.0	97	98	153	111	3	18	293	127	6	121	473	489	8	0	554	MIN 5.3	7.2	TOT. 7.2	466.8			

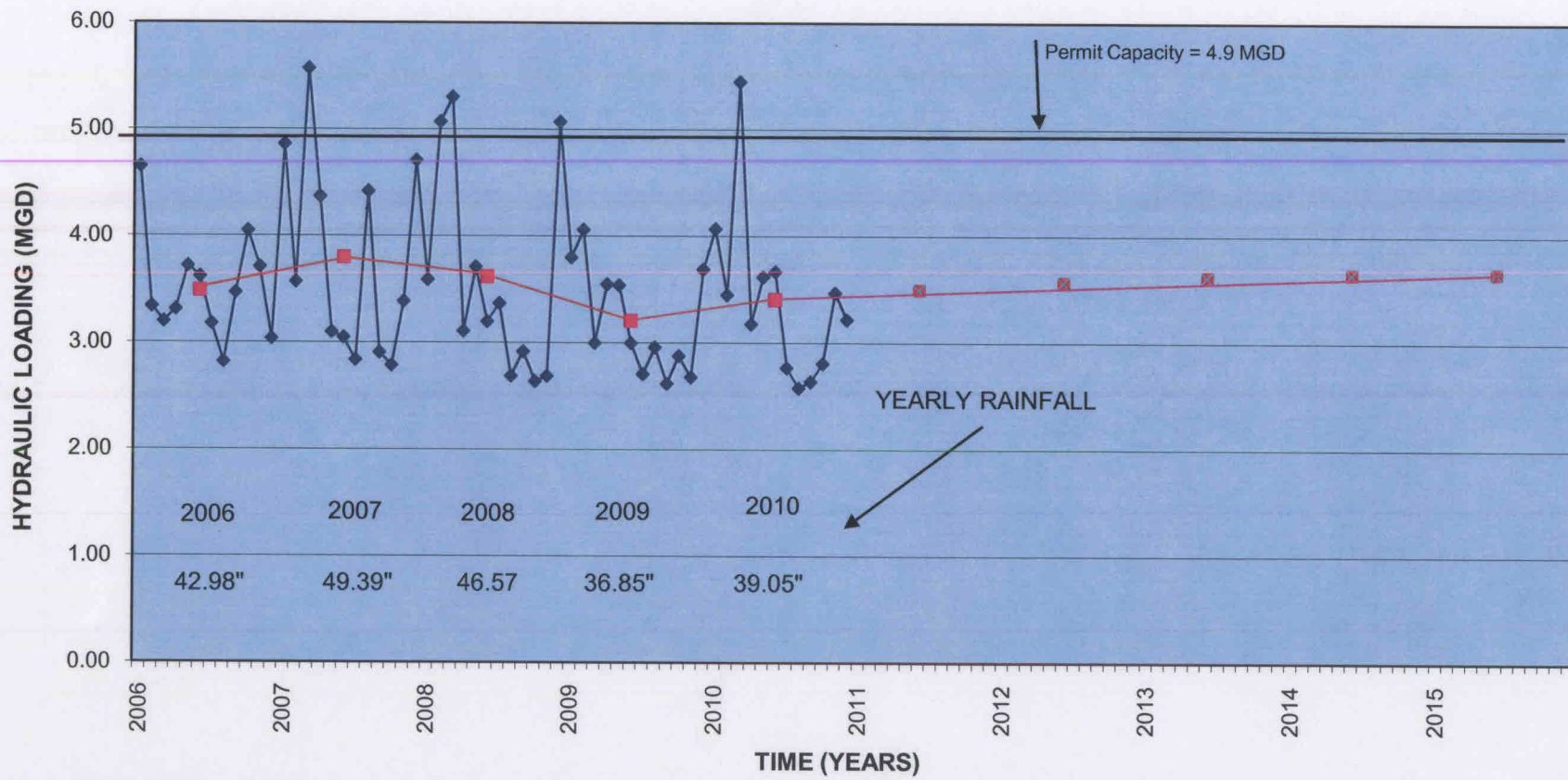
- CBOD₅ - FIVE DAY CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND *PERMIT LIMIT (5/1 - 10/31)
- TSS - TOTAL SUSPENDED SOLIDS
- NH₃-N - AMMONIA NITROGEN *PERMIT LIMIT FOR PERIOD (5/1 - 10/31)
- DO - DISSOLVED OXYGEN
- FECAL COL - FECAL COLIFORM *PERMIT LIMIT PERIOD (5/1 - 9/30)

**FRANKLIN TOWNSHIP MUNICIPAL SANITARY AUTHORITY
MEADOWBROOK SEWAGE TREATMENT PLANT
MONTHLY POLLUTANT REMOVALS**

MONTH/YEAR	INFLUENT	EFFLUENT	BOD ₅	BOD ₅	INFLUENT	EFFLUENT	TSS	TSS	INFLUENT	EFFLUENT	NH ₃ -N	NH ₃ -N
	BOD ₅	BOD ₅	REMOVED	REMOVED	TSS	TSS	REMOVED	REMOVED	NH ₃ -N	NH ₃ -N	REMOVED	REMOVED
	LBS/DAY	LBS/DAY	LBS/DAY	TONS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	TONS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	TONS/DAY
JANUARY 2010	4656	151	4505	2.25	4279	88	4191	2.10	839	3	836	0.42
FEBUARY 2010	4703	139	4564	2.28	5085	190	4895	2.45	691	<3	688	0.34
MARCH 2010	4646	183	4463	2.23	5613	245	5368	2.68	681	<4	677	0.34
APRIL 2009	5220	129	5091	2.55	5439	139	5300	2.65	549	<2	547	0.27
MAY 2010	5085	108	4977	2.49	5101	102	4999	2.50	434	<3	431	0.22
JUNE 2010	5581	80	5501	2.75	5496	55	5441	2.72	454	<3	451	0.23
JULY 2009	4619	95	4524	2.26	4530	85	4445	2.22	414	2	547	0.27
AUGUST 2010	6002	60	5942	2.97	5461	33	5428	2.71	448	2	651	0.33
SEPTEMBER 2010	5703	69	5634	2.82	5185	58	5127	2.56	450	2	643	0.32
OCTOBER 2010	6320	176	6144	3.07	6202	67	6135	3.07	443	2	748	0.37
NOVEMBER 2010	6841	526	6315	3.16	6457	132	6325	3.16	459	<3	456	0.23
DECEMBER 2010	4051	121	3930	1.97	3794	142	3652	1.83	429	7	890	0.45
TOTALS			61590	30.79			61306	30.65			7565	3.79
AVERAGES			5132	2.57			5109	2.55			630	0.32
TOTAL AVERAGE TONS/YR REMOVED				937				932				58

HYDRAULIC LOADING

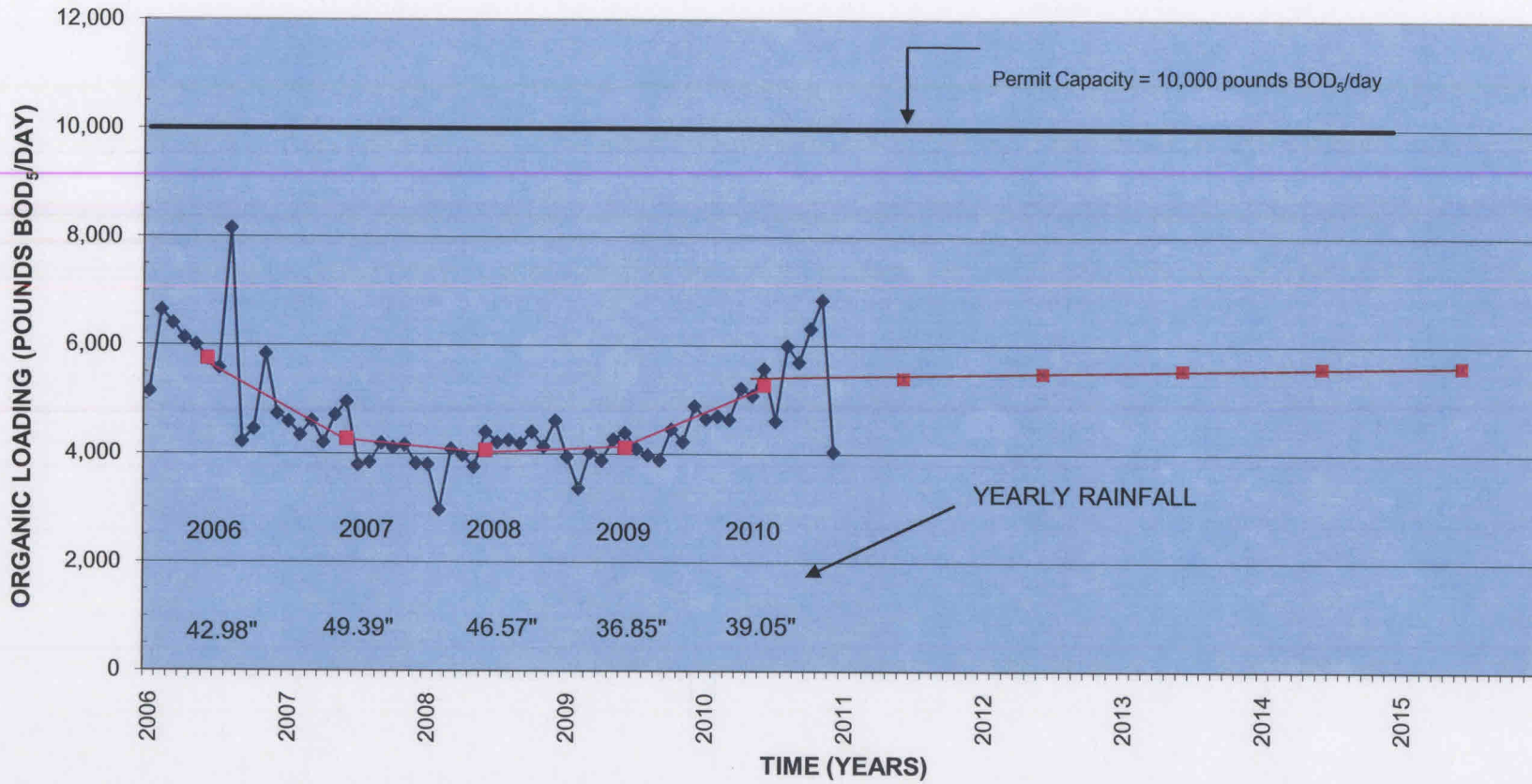
FRANKLIN TOWNSHIP MUNICIPAL SANITARY AUTHORITY Meadowbrook Road Water Pollution Control Plant



ORGANIC LOADING

FRANKLIN TOWNSHIP MUNICIPAL SANITARY AUTHORITY

Meadowbrook Road Water Pollution Control Plant



- ◆ Average Daily Loading for Each Calendar Month
- Average Daily Loading for Each Calendar Year
- Chapter 94 Projected Average Daily Loading for Each Calendar Year