

**FRANKLIN TOWNSHIP MUNICIPAL SANITARY AUTHORITY  
MEADOWBROOK SEWAGE TREATMENT PLANT  
TWELVE MONTH PERFORMANCE SUMMARY - 2015 - 2016**

NPDES PA0025674	INFLUENT										30 DAY AVERAGE - EFFLUENT										WEEKLY AVERAGE				EFFLUENT AT ALL TIME				WASTE GENER- SLUDGE 1000 lbs.							
	AVG FLOW MGD	FLOW MAX MGD	BOD <sub>5</sub> INF. mg/l	BOD <sub>5</sub> INF. mg/l	TSS INF. mg/l	TSS INF. mg/l	NH <sub>3</sub> -N INF. mg/l	BOD <sub>5</sub> LB/D	BOD <sub>5</sub> LB/D	TSS LB/D	TSS LB/D	NH <sub>3</sub> -N LB/D	NH <sub>3</sub> -N LB/D	CBOD <sub>5</sub> EFF. mg/l	TSS EFF. mg/l	NH <sub>3</sub> -N EFF. mg/l	Cl <sub>2</sub> EFF. mg/l	REMOVAL % CBOD <sub>5</sub>	TSS %	NH <sub>3</sub> -N %	EFF. LOADING CBOD <sub>5</sub> LB/D	TSS LB/D	NH <sub>3</sub> -N LB/D	FECAL COLL. #/100 ml	CBOD <sub>5</sub> mg/l	TSS mg/l	NH <sub>3</sub> -N mg/l	DO mg/l		Fecal #/100 ml	Cl <sub>2</sub> mg/l	pH				
PLANT	4.9	....	monthly	whly	monthly	whly	....	monthly	whly	10,000	10,000	whly	whly	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....		
Design																																				
Winter																																				
Limits																																				
Summer																																				
Limits																																				
JANUARY	3,310	7,33	187	184	185	230	16.8	4667	4601	3914	3857	417	5	7	0.1	<0.03	95	95	95	149	183	3	191	7	11	0.2	10.3	3850	<0.03	6.7	7.5	59.9				
FEBRUARY	4,513	11,24	126	187	114	147	10.3	4923	5551	4753	5508	404	5	7	0.1	<0.03	95	94	94	265	391	7	41	7	10	0.2	9.7	2500	<0.03	7.6	7.6	53.2				
MARCH	3,358	4,42	216	295	181	238	16.5	4621	7530	5055	6076	453	6	13	0.1	0.03	95	93	93	175	377	4	67	9	18	0.2	9.8	223	0.04	7.4	7.4	60.0				
APRIL	3,207	4,98	205	208	187	185	17.0	5315	5349	4811	429	439	8	14	0.2	0.03	95	93	93	220	358	5	45	11	17	0.3	9.2	1089	0.03	7.3	7.3	69.0				
MAY	3,550	7,13	218	218	212	212	20.0	6053	6053	5881	5881	558	8	12	0.1	<0.03	95	95	95	208	321	4	86	8	12	0.1	8.7	460	<0.03	6.1	7.6	52.0				
JUNE	3,410	7,63	217	211	216	218	12.4	5846	5849	6214	6262	526	8	12	0.2	0.004	97	95	95	178	362	8	62	7	12	0.2	7.5	187	0.07	7.6	7.6	71.0				
JULY	2,779	5,11	225	225	226	228	24.0	5053	5053	5108	5108	536	7	7	0.1	<0.03	97	97	97	208	321	4	86	7	11	0.1	6.9	2200	0.04	7.4	7.4	128.4				
AUGUST	2,932	4,17	284	280	230	228	27.0	7189	7048	5530	5486	667	8	6	0.2	<0.03	97	97	97	212	156	4	58	9	5	0.2	6.3	630	<0.03	7.2	7.2	123.8				
SEPTEMBER	2,674	4,35	264	289	248	261	26.4	6735	5608	7961	5476	549	4	4	0.2	<0.03	98	98	98	84	83	4	68	3	4	0.2	6.5	480	<0.03	7.3	7.3	83.7				
OCTOBER	3,579	13,24	220	220	198	198	22.3	5397	5397	5168	5168	543	4	4	0.2	<0.03	98	98	98	103	103	4	99	4	4	0.2	6.8	490	0.06	7.9	7.9	36.3				
NOVEMBER	2,892	6,51	251	310	216	209	19.9	5874	6778	4996	4887	463	9	7	0.2	0.05	96	97	97	208	166	3	51	12	10	0.2	7.7	830	0.28	7.4	7.4	29.6				
DECEMBER	4,119	8,74	198	194	181	181	16.1	6358	5453	5971	5971	505	8	9	0.1	0.1	95	95	95	304	331	4	17	10	10	0.1	8.6	48	0.10	7.7	7.7	29.4				
ANNUAL AVERAGE	3,361	13,31	218	233	197	210	19.0	5586	5856	5456	5017	505	7	7	0.2	0.0	96	96	96	189	250	4	65	8	7	0.2	MIN	468	0.09	6.1	7.5	TOT. 736.4				
OCTOBER	2,900	7,61	229	264	169	194	22.2	5529	5550	4321	6199	522	6	7	0.2	0.03	97	96	96	144	176	7	37	2	6	0.2	7.4	108	0.03	5.7	5.7	29.6				
TSS	- TOTAL SUSPENDED SOLIDS																																			
NH <sub>3</sub> -N	- AMMONIA NITROGEN *PERMIT LIMIT FOR PERIOD (9/1 - 10/31)																																			
DO	- DISSOLVED OXYGEN																																			
FECAL COL.	- FECAL COLIFORM *PERMIT LIMIT PERIOD (9/1 - 9/30)																																			
CBOD <sub>5</sub>	- FIVE DAY CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND PERMIT LIMIT (9/1-10-31)																																			

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

MONTH/YEAR	INFLUENT			EFFLUENT			REMOVED			BOD <sub>5</sub> TONS/DAY	INFLUENT			EFFLUENT			REMOVED			TSS TONS/DAY	INFLUENT			EFFLUENT			REMOVED																	
	BOD <sub>5</sub> LBS/DAY	BOD <sub>5</sub> LBS/DAY	BOD <sub>5</sub> LBS/DAY	BOD <sub>5</sub> LBS/DAY	BOD <sub>5</sub> LBS/DAY	BOD <sub>5</sub> LBS/DAY	TSS LBS/DAY	TSS LBS/DAY	TSS LBS/DAY		NH <sub>3</sub> -N LBS/DAY	NH <sub>3</sub> -N LBS/DAY	NH <sub>3</sub> -N LBS/DAY	NH <sub>3</sub> -N LBS/DAY	NH <sub>3</sub> -N LBS/DAY	NH <sub>3</sub> -N LBS/DAY	NH <sub>3</sub> -N LBS/DAY	NH <sub>3</sub> -N LBS/DAY	NH <sub>3</sub> -N LBS/DAY																									
JANUARY 2016	4687	149	4518	2.26	3914	183	3731	1.87	417	3	414	0.21	4923	265	4658	2.33	4763	391	4372	2.19	404	7	397	0.20	4621	175	4446	2.22	6055	377	4678	2.34	453	4	449	0.22								
FEBRUARY 2016	4621	175	4446	2.22	4811	368	4443	2.22	439	5	434	0.22	5315	220	5095	2.55	5881	321	5560	2.78	558	4	554	0.28	6053	208	5845	2.92	5846	179	5667	2.83	5053	155	4898	2.45	5108	150	4958	2.48	526	6	520	0.26
MARCH 2016	5846	179	5667	2.83	6214	362	5852	2.93	526	6	520	0.26	5053	155	4898	2.45	5108	150	4958	2.48	526	6	520	0.26	5846	179	5667	2.83	6214	362	5852	2.93	526	6	520	0.26								
APRIL 2016	5846	179	5667	2.83	6214	362	5852	2.93	526	6	520	0.26	5053	155	4898	2.45	5108	150	4958	2.48	526	6	520	0.26	5846	179	5667	2.83	6214	362	5852	2.93	526	6	520	0.26								
MAY 2016	5053	155	4898	2.45	5108	150	4958	2.48	526	6	520	0.26	5846	179	5667	2.83	6214	362	5852	2.93	526	6	520	0.26	5053	155	4898	2.45	5108	150	4958	2.48	526	6	520	0.26								
JUNE 2016	5053	155	4898	2.45	5108	150	4958	2.48	526	6	520	0.26	5846	179	5667	2.83	6214	362	5852	2.93	526	6	520	0.26	5053	155	4898	2.45	5108	150	4958	2.48	526	6	520	0.26								
JULY 2016	7189	212	6977	3.49	5630	155	5475	2.74	667	4	663	0.33	5053	155	4898	2.45	5108	150	4958	2.48	526	6	520	0.26	5846	179	5667	2.83	6214	362	5852	2.93	526	6	520	0.26								
AUGUST 2016	5735	84	5651	2.83	7961	93	7868	3.93	543	4	539	0.27	5053	155	4898	2.45	5108	150	4958	2.48	526	6	520	0.26	5846	179	5667	2.83	6214	362	5852	2.93	526	6	520	0.26								
SEPTEMBER 2016*	5397	103	5294	2.65	5168	103	5065	2.53	463	3	460	0.23	5053	155	4898	2.45	5108	150	4958	2.48	526	6	520	0.26	5846	179	5667	2.83	6214	362	5852	2.93	526	6	520	0.26								
OCTOBER 2015	5874	208	5666	2.83	4996	166	4830	2.42	463	3	460	0.23	5053	155	4898	2.45	5108	150	4958	2.48	526	6	520	0.26	5846	179	5667	2.83	6214	362	5852	2.93	526	6	520	0.26								
NOVEMBER 2015	6358	304	6054	3.03	5971	331	5640	2.82	505	4	501	0.25	5053	155	4898	2.45	5108	150	4958	2.48	526	6	520	0.26	5846	179	5667	2.83	6214	362	5852	2.93	526	6	520	0.26								
DECEMBER 2015																																												
<b>TOTALS</b>			64769	32.38	62472	31.24	6010	3.01																																				
<b>AVERAGES</b>			5397	2.70	5206	2.60	501	0.25																																				
<b>TOTAL AVERAGE TONS/YR REMOVED</b>				985		950		1097																																				

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