

**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				WASTE GENER 1000 lbs.
	AVG FLOW MGD	FLOW MAX MGD	BOD ₅ INF. mg/l	BOD ₅ INF. mg/l	TSS INF. mg/l	TSS INF. mg/l	NH ₄ -N INF. mg/l	BOD ₅ LB/D	BOD ₅ LB/D	TSS LB/D	TSS LB/D	NH ₄ -N LB/D	CBOD ₅ EFF. mg/l	TSS EFF. mg/l	NH ₄ -N EFF. mg/l	Cl ₂ EFF. mg/l	REMOVAL %	TSS %	CBOD ₅ LB/D	TSS LB/D	NH ₄ -N LB/D	FECAL COLL. #/100 ml	CBOD ₅ mg/l	TSS mg/l	NH ₄ -N mg/l	DO mg/l	Fecal w/100 ml	Cl ₂ mg/l	pH				
PLANT	4.9	monthly	whly	monthly	whly	monthly	whly	10,000	10,000	20	30	3.4	0.5	817	1227	139	2000	7-day Max.	30	45	5.1	MIN.	Inst.	Inst.	6.0-			
Design								10,000	10,000				20	30	3.4	0.5	817	1227	139	2000	7-day Max.	30	45	5.1	MIN.	Inst.	Inst.	6.0-			
Winter													20	30	3.4	0.5	817	1227	139	2000	7-day Max.	30	45	5.1	MIN.	Inst.	Inst.	6.0-			
Summer													10	30	2	0.03			409	1227	82	200	18	45	3.2	MIN.	1000	0.1	6.0-				
Limits													10	30	2	0.03			409	1227	82	200	18	45	3.2	MIN.	1000	0.1	6.0-				
JANUARY	3,310	7,33	187	184	185	230	16.8	4667	4601	3914	3857	417	5	7	0.1	<0.03	95	95	149	183	3	191	7	11	0.2	10.3	3850	<0.03	6.7				
FEBRUARY	4,513	11,24	126	187	114	147	10.3	4923	5551	4753	5508	404	5	7	0.1	<0.03	95	94	265	391	7	41	7	10	0.2	9.7	2500	<0.03	7.6				
MARCH	3,358	4,42	216	295	181	238	16.5	4621	7530	5055	6076	453	6	13	0.1	0.03	95	93	175	377	4	67	9	18	0.2	9.8	223	0.04	7.4				
APRIL	3,207	4,98	205	208	187	185	17.0	5315	5349	4811	429	439	8	14	0.2	0.03	95	93	220	358	5	45	11	17	0.3	9.2	1089	0.03	7.3				
MAY	3,550	7,13	218	218	212	212	20.0	6053	6053	5881	5881	558	8	12	0.1	<0.03	95	95	208	321	4	86	8	12	0.1	8.7	460	<0.03	6.1				
JUNE	3,410	7,63	217	211	216	218	12.4	5846	5849	6214	6262	526	8	12	0.2	0.004	97	95	178	362	8	62	7	12	0.2	7.5	187	0.07	7.6				
JULY	2,779	5,11	225	225	226	228	24.0	5053	5053	5108	5108	536	7	7	0.1	<0.03	97	97	186	150	2	38	7	11	0.1	6.9	2200	0.04	7.4				
AUGUST	2,932	4,17	284	280	230	228	27.0	7189	7048	5530	5456	667	8	6	0.2	<0.03	97	97	212	156	4	35	8	5	0.2	6.3	630	<0.03	7.2				
SEPTEMBER	2,674	4,35	264	289	248	261	26.4	6735	5608	7961	5476	549	4	4	0.2	<0.03	98	98	84	83	4	68	3	4	0.2	6.5	480	<0.03	7.3				
OCTOBER	3,579	13,24	220	220	198	198	22.3	5397	5397	5168	5168	543	4	4	0.2	<0.03	98	98	103	103	4	99	4	4	0.2	6.8	490	0.06	7.9				
NOVEMBER	2,892	6,51	251	310	216	209	19.9	5874	6778	4996	4887	463	9	7	0.2	0.05	96	97	288	166	3	51	12	10	0.2	7.7	830	0.28	6.0				
DECEMBER	4,119	8,74	198	194	181	181	16.1	6358	5453	5971	5971	505	8	9	0.1	0.1	95	95	304	331	4	17	10	10	0.1	8.5	48	0.10	7.7				
ANNUAL AVERAGE	3,361	MAX 13.21	218	233	197	210	19.0	5586	5856	5456	5017	505	7	7	0.2	0.0	96	96	189	250	4	65	8	7	0.2	MIN 6.3	468	0.09	6.1				
OCTOBER	2,900	7,61	229	264	169	194	22.2	5528	5550	4321	6199	522	6	7	0.2	0.03	97	96	144	176	7	37	2	6	0.2	7.4	108	0.03	5.7				
TSS	- TOTAL SUSPENDED SOLIDS																								29.6								
NH ₃ -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 ₅	- FIVE DAY CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND PERMIT LIMIT (9/1-10-31)																																
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**FRANKLIN TOWNSHIP MUNICIPAL SANITARY AUTHORITY
MEADOWBROOK SEWAGE TREATMENT PLANT
MONTHLY POLLUTANT REMOVALS**

MONTH/YEAR	INFLUENT			EFFLUENT			REMOVED			BOD ₅ TONS/DAY	INFLUENT TSS LBS/DAY	EFFLUENT TSS			REMOVED TSS			NH ₃ -N LBS/DAY	EFFLUENT NH ₃ -N			REMOVED NH ₃ -N		
	BOD ₅ LBS/DAY	BOD ₅ LBS/DAY	BOD ₅ LBS/DAY	BOD ₅ LBS/DAY	BOD ₅ TONS/DAY	BOD ₅ LBS/DAY	TSS LBS/DAY	TSS LBS/DAY	TSS LBS/DAY			TSS TONS/DAY	TSS LBS/DAY	TSS LBS/DAY	TSS LBS/DAY	TSS TONS/DAY	NH ₃ -N LBS/DAY		NH ₃ -N LBS/DAY	NH ₃ -N LBS/DAY	NH ₃ -N LBS/DAY	NH ₃ -N TONS/DAY	NH ₃ -N LBS/DAY	NH ₃ -N LBS/DAY
JANUARY 2016	4687	149	4518	2.26	3914	183	3731	1.87	417	3	414	0.21	404	7	397	0.20	453	4	449	0.22	439	5	434	0.22
FEBRUARY 2016	4923	265	4658	2.33	6055	377	4678	2.34	5881	321	5560	2.78	526	6	520	0.26	5846	179	5667	2.83	5053	155	4898	2.45
MARCH 2016	4621	175	4446	2.22	4811	368	4443	2.22	5108	150	4958	2.48	536	2	534	0.27	5053	155	4898	2.45	5053	155	4898	2.45
APRIL 2016	5315	220	5095	2.55	5881	321	5560	2.78	5881	321	5560	2.93	526	6	520	0.26	5846	179	5667	2.83	5053	155	4898	2.45
MAY 2016	6053	208	5845	2.92	6214	362	5852	2.93	6214	362	5852	2.93	526	6	520	0.26	5846	179	5667	2.83	5053	155	4898	2.45
JUNE 2016	5846	179	5667	2.83	6214	362	5852	2.93	6214	362	5852	2.93	526	6	520	0.26	5846	179	5667	2.83	5053	155	4898	2.45
JULY 2016	5053	155	4898	2.45	5108	150	4958	2.48	5108	150	4958	2.48	536	2	534	0.27	5053	155	4898	2.45	5053	155	4898	2.45
AUGUST 2016	7189	212	6977	3.49	5630	155	5475	2.74	5630	155	5475	2.74	536	2	534	0.27	5053	155	4898	2.45	5053	155	4898	2.45
SEPTEMBER 2016*	5735	84	5651	2.83	7961	93	7868	3.93	7961	93	7868	3.93	549	4	545	0.27	5053	155	4898	2.45	5053	155	4898	2.45
OCTOBER 2015	5397	103	5294	2.65	5168	103	5065	2.53	5168	103	5065	2.53	543	4	539	0.27	5053	155	4898	2.45	5053	155	4898	2.45
NOVEMBER 2015	5874	208	5666	2.83	4996	166	4830	2.42	4996	166	4830	2.42	463	3	460	0.23	5053	155	4898	2.45	5053	155	4898	2.45
DECEMBER 2015	6358	304	6054	3.03	5971	331	5640	2.82	5971	331	5640	2.82	505	4	501	0.25	5053	155	4898	2.45	5053	155	4898	2.45
TOTALS			64769	32.38	62472	31.24	6010	3.01																
AVERAGES			5397	2.70	5206	2.60	501	0.25																
TOTAL AVERAGE TONS/YR REMOVED				985		950		1097																

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