

Appendix 4-1

Hyannis WPCF Monthly Operating Data

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Hyannis WPCF Monthly Operating Data Summary**

	INFLUENT FLOWS (mgd)			5 DAY BOD			TOTAL SUSPENDED SOLIDS (TSS)			MONTHLY PARAMETERS (EFFLUENT)		
	SEWAGE	SEPTAGE	TOTAL	INFLUENT		EFFLUENT	INFLUENT		EFFLUENT	NITRATE (NO ₃)	NH3	TOTAL NITROGEN (TN)
				mg/L	lb/d	mg/L	mg/L	lb/d	mg/L	mg/L	mg/L	mg/L
Sep-06	2.06	0.04	2.10	237	4,150	6	78	1,370	7	4	0.2	5
Oct-06	1.78	0.04	1.81	197	2,980	8	78	1,190	7	3	0.2	5
Nov-06	1.55	0.04	1.59	201	2,660	9	81	1,070	14	4	0.1	6
Dec-06	1.30	0.03	1.32	235	2,590	7	84	920	10	2	0.1	4
Average	1.67	0.04	1.70	218	3,090	8	80	1,140	10	3	0.1	5
Max Month	2.06	0.04	2.10	237	4,150	9	84	1,460	14	4	0.2	6
Min Month	1.30	0.03	1.32	197	2,170	6	78	860	7	2	0.1	4
% Removal						97			88			
Jan-07	1.19	0.02	1.21	188	1,910	4	77	780	9	2	0.3	4
Feb-07	1.04	0.02	1.06	216	1,910	5	75	670	7	2	0.5	4
Mar-07	1.22	0.03	1.25	221	2,300	5	77	800	6	2	0.6	5
Apr-07	1.49	0.04	1.53	191	2,430	3	71	910	3	2	0.9	4
May-07	1.72	0.03	1.75	215	3,140	8	70	1,020	8	3	0.6	6
Jun-07	2.04	0.04	2.08	209	3,620	4	69	1,200	7	3	0.2	5
Jul-07	2.47	0.05	2.51	246	5,160	8	82	1,730	11	2	0.6	5
Aug-07	2.29	0.05	2.34	234	4,570	8	74	1,440	5	3	0.5	5
Sep-07	1.69	0.04	1.73	228	3,300	6	72	1,050	4	3	0.2	6
Oct-07	1.45	0.04	1.48	198	2,450	4	75	930	6	3	0.2	5
Nov-07	0.99	0.03	1.02	187	1,600	4	97	820	10	3	0.2	6
Dec-07	0.72	0.02	0.74	206	1,280	6	90	560	13	2	0.1	4
Average	1.53	0.03	1.56	212	2,750	5	77	1,010	7	2	0.4	5
Max Month	2.47	0.05	2.51	246	5,160	8	97	2,030	13	3	0.9	6
Min Month	0.72	0.02	0.74	187	1,160	3	69	430	3	2	0.1	4
% Removal						97			90			
Jan-08												
Feb-08	0.85	0.02	0.87	211	1,530	8	73	530	11	2	0.8	4
Mar-08	0.91	0.03	0.94	235	1,840	5	73	570	5	2	0.6	4
Apr-08	1.17	0.04	1.21	235	2,360	6	69	690	4	2	0.7	5
May-08	1.46	0.04	1.50	231	2,900	8	79	990	11	3	0.9	6
Jun-08	1.41	0.05	1.46	240	2,930	6	77	940	5	6	0.6	9
Jul-08	1.90	0.05	1.95	234	3,800	4	114	1,850	3	5	0.2	6
Aug-08	1.86	0.04	1.89	213	3,360	5	63	1,000	6	5	0.3	7
Sep-08	1.48	0.04	1.52	223	2,830	3	75	960	4	4	0.1	5
Oct-08	1.49	0.04	1.53	204	2,600	5	66	840	3	4	0.5	5
Nov-08	1.45	0.04	1.49	203	2,520	4	72	900	5	4	0.3	6
Dec-08												
Average	1.40	0.04	1.44	223	2,670	6	76	910	6	4	0.5	6
Max Month	1.90	0.05	1.95	240	3,890	8	114	1,850	11	6	0.9	9
Min Month	0.85	0.02	0.87	203	1,470	3	63	460	3	2	0.1	4
% Removal						97			93			
Jan-09	1.31	0.02	1.33	235	2,610	6	80	880	5	4	0.3	5
Feb-09	1.33	0.02	1.35	223	2,520	5	87	980	5	4	0.3	6
Mar-09	1.31	0.02	1.34	238	2,660	8	96	1,080	12	4	1.0	7
Apr-09 ⁽¹⁾	1.38	0.04	1.41	211	2,480	7	102	1,200	9	5	0.2	7
May-09	1.49	0.04	1.54	226	2,890	7	93	1,190	8	3	0.5	5
Jun-09	1.64	0.04	1.68	220	3,090	4	92	1,290	4	3	0.3	4
Jul-09	1.85	0.04	1.89	240	3,780	8	95	1,500	8	2	1	4
Aug-09	1.94	0.04	1.97	227	3,740	7	90	1,480	12	2	0.5	4
Average	1.53	0.03	1.56	228	2,970	7	92	1,200	8	3	0.5	5
Max Month	1.94	0.04	1.97	240	3,940	8	102	1,680	12	5	1	7
Min Month	1.31	0.02	1.33	211	2,340	4	80	880	4	2	0.2	4
% Removal						97			92			
Overall Average	1.51	0.03	1.55	219	2,840	6	81	1,040	7	3	0.4	5
Overall Max Month	2.47	0.05	2.51	246	5,160	9	114	1,850	14	6	1	9
Overall Min Month	0.72	0.02	0.74	187	1,280	3	63	530	3	2	0.1	4
Overall % Removal						97			91			

Note:

- SCADA malfunction - only 6 days of sewage flow data.
- All data are monthly averages from the WPCF monthly monitoring reports.