

**Woodward WWTP Bypass and CSO Overflow Log
2023**

SAC #	Event #	Location	Start		Stop		Duration Hours	Volume ML	Volume m3	Disinfection Yes / No	Reason Code	Sample Results					Final Effluent		
			Date yyyy-mm-dd	Time	Date yyyy-mm-dd	Time						Bypass or CSO Sample	TBOD mg/L	cBOD mg/L	TSS mg/L	TP mg/L	E.coli CFU/100ml	pH	Total Cl mg/L
230104-000004	1	HCG03	2023-01-04	15:30	2023-01-04	21:38	4.92	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230104-000009	2	HCG14	2023-01-04	17:30	2023-01-04	18:43	1.23	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230104-000014	3	S	2023-01-04	18:05	2023-01-05	04:24	10.27	100.871	100,871	No	1,7	49	n/a	100.0	1.47	1,620,000	7.08	n/a	
1-2FWXRA	4	HW	2023-01-04	18:55	2023-01-04	19:50	0.92	19.370	19,370	No	1,7	70	n/a	245.0	1.84	1,410,000	n/a	n/a	
230120-000000	5	HCG03	2023-01-20	00:55	2023-01-20	02:28	1.56	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230209-000000	6	HCG03	2023-02-09	08:04	2023-02-09	20:31	8.76	n/a	n/a	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230209-000002	7	HCG14	2023-02-09	11:12	2023-02-09	11:24	0.21	n/a	n/a	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230209-000005	8	S	2023-02-09	11:18	2023-02-10	15:09	27.86	317.410	317,410	No	1,2,7	69	n/a	90.3	1.74	1,080,000	7.33	n/a	
	9	HCS01	2023-02-09	19:33	2023-02-09	23:51	4.30	13.956	13,956	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230217-000001	10	HCG03	2023-02-17	01:16	2023-02-17	03:10	1.89	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230217-000002	11	HCG14	2023-02-17	02:57	2023-02-17	03:01	0.06	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230303-000010	12	HCG03	2023-03-03	23:17	2023-03-04	17:30	14.65	n/a	n/a	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230304-000009	13	S	2023-03-04	12:03	2023-03-06	02:27	26.68	173.791	173,791	No	1,2,7	73	n/a	119.0	2.34	1,190,000	7.47	n/a	
230317-000003	14	HCG03	2023-03-17	9:08	2023-03-17	10:31	1.40	n/a	n/a	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230317-000006	15	S	2023-03-17	10:32	2023-03-18	22:06	35.56	240.352	240,352	No	1,2,7	60	n/a	69.4	1.52	868,000	7.10	n/a	
	16	HCS01	2023-03-17	16:08	2023-03-18	07:32	15.40	88.286	88,286	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	17	HCS08	2023-03-17	18:40	2023-03-17	20:14	1.57	0.143	143	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230323-000001	18	HCG03	2023-03-23	10:20	2023-03-23	11:09	0.82	n/a	n/a	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230325-000000	19	HCG03	2023-03-25	7:26	2023-03-25	15:59	8.09	n/a	n/a	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230325-000001	20	HCG14	2023-03-25	08:14	2023-03-25	15:30	1.00	n/a	n/a	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230325-000007	21	S	2023-03-25	11:53	2023-03-26	19:18	31.42	214.490	214,490	No	1,2,7	49	n/a	71.3	1.42	542,503	7.59	n/a	
230325-000012 (verbal 1-33HJU9)	22	DC011	2023-03-25	14:51	2023-03-25	16:18	0.25	0.046	46	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	23	HCS08	2023-03-25	16:09	2023-03-25	20:49	4.67	1.371	1,371	No	1,2,7	n/a	5	102.0	0.288	120,000	n/a	n/a	
	24	HCS01	2023-03-25	17:29	2023-03-26	04:58	11.50	28.848	28,848	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230327-000000	25	HCG03	2023-03-27	06:35	2023-03-27	07:16	0.70	n/a	n/a	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230329-000001	26	HCG03	2023-03-29	15:37	2023-03-29	15:57	0.34	n/a	n/a	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230331-000000	27	HCG03	2023-03-31	10:58	2023-04-01	7:07	9.08	n/a	n/a	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230401-000000	28	HCG14	2023-04-01	00:40	2023-04-01	04:37	3.43	n/a	n/a	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230401-000005	29	HCG04	2023-04-01	03:22	2023-04-01	04:53	1.51	n/a	n/a	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
1-345V01	30	DC011	2023-04-01	01:12	2023-04-01	6:39	3.45	0.840	840	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230401-000002	31	S	2023-04-01	01:55	2023-04-02	08:18	30.37	318.780	318,780	No	1,2,7	51	n/a	75.6	1.32	740,000	7.51	n/a	
1-345ZM4	32	DC012	2023-04-01	01:58	2023-04-01	05:05	0.46	0.140	140	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	33	HCS04	2023-04-01	02:13	2023-04-01	22:09	19.93	58.230	58,230	No	1,2,7	n/a	6	17.8	0.525	190,000	n/a	n/a	
	34	HCS01	2023-04-01	02:23	2023-04-02	12:57	34.57	206.270	206,270	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	35	HCS08	2023-04-01	02:47	2023-04-01	16:35	13.80	4.131	4,131	No	1,2,7	n/a	10	62.2	0.257	20,000	n/a	n/a	
1-345ZT0	36	HW	2023-04-01	02:55	2023-04-01	07:10	4.25	13.244	13,244	No	1,2,7	104	n/a	400	2.99	370,000	7.52	n/a	
	37	HCS05	2023-04-01	04:21	2023-04-02	00:22	20.03	78.558	78,558	No	1,2,7	n/a	10	26.5	0.573	340,000	n/a	n/a	
1-345PZL	38	HC060	2023-04-01	08:50	2023-04-01	22:24	13.56	n/a	n/a	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230404-000003	39	HCG03	2023-04-04	04:36	2023-04-04	09:19	3.84	n/a	n/a	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230404-000006	40	HCG14	2023-04-04	05:21	2023-04-04	05:26	0.02	n/a	n/a	No	1,2,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230404-000011	41	S	2023-04-04	07:04	2023-04-04	14:18	7.23	29.750	29,750	No	1,2,7	42	n/a	54.0	1.08	390,000	7.47	n/a	
230405-000003	42	HCG03	2023-04-05	11:43	2023-04-05	21:10	7.22	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230405-000005	43	HCG14	2023-04-05	13:08	2023-04-05	19:05	1.50	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
1-34IG5L	44	DC011	2023-04-05	13:38	2023-04-05	18:42	0.79	0.192	192	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230405-000010	45	S	2023-04-05	14:30	2023-04-06	18:18	27.80	220.162	220,162	No	1,7	51	n/a	58.4	1.17	635,000	7.64	n/a	
	46	HCS01	2023-04-05	14:21	2023-04-06	20:48	30.45	201.677	201,677	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	47	HCS04	2023-04-05	16:02	2023-04-06	19:34	27.55	56.851	56,851	No	1,7	n/a	7	34.0	0.535	20,750	n/a	n/a	
	48	HCS05	2023-04-05	18:11	2023-04-07	04:35	34.42	95.197	95,197	No	1,7	n/a	14	39.2	0.938	660,000	n/a	n/a	
	49	HCS08	2023-04-05	18:58	2023-04-06	6:14	11.27	2.279	2,279	No	1,7	n/a	6	93.0	0.273	50,000	n/a	n/a	
1-35S6BL	50	HC060	2023-04-06	07:49	2023-04-06	14:45	6.93	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
230416-000002	51	HCG03	2023-04-16	19:47	2023-04-16	21:33	0.93	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Woodward WWTP Bypass and CSO Overflow Log
2023

SAC #	Event #	Location	Start		Stop		Duration Hours	Volume ML	Volume m3	Disinfection Yes / No	Reason Code	Sample Results					Final Effluent	
			Date yyyy-mm-dd	Time	Date yyyy-mm-dd	Time						TBOD mg/L	cBOD mg/L	TSS mg/L	TP mg/L	E.coli CFU/100ml	pH	Total Cl mg/L
230416-000003	52	HCG14	2023-04-16	19:57	2023-04-17	02:36	6.36	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230421-000009	53	HCG03	2023-04-21	21:26	2023-04-22	14:28	7.75	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230421-000010	54	HCG14	2023-04-21	21:46	2023-04-22	16:51	18.40	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230422-000002	55	S	2023-04-22	12:12	2023-04-22	23:21	11.15	68,336	68,336	No	1,7	25	n/a	64.5	1.58	1,010,000	7.03	n/a
230428-000008	56	HCG03	2023-04-28	21:22	2023-04-29	07:39	1.59	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230430-000004	57	HCG03	2023-04-30	12:14	2023-04-30	15:17	3.06	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230503-000013	58	HCG03	2023-05-03	15:34	2023-05-03	15:56	0.35	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230507-000001	59	HCG03	2023-05-07	12:27	2023-05-07	12:55	0.57	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230520-000000	60	HCG03	2023-05-20	01:19	2023-05-20	08:16	1.16	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230520-000002	61	HCG14	2023-05-20	07:44	2023-05-20	11:32	3.80	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230609-000000	62	HCG03	2023-06-09	9:17	2023-06-09	9:39	0.36	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230612-000000	63	HCG03	2023-06-12	00:04	2023-06-12	13:16	11.23	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230612-000001	64	HCG14	2023-06-12	1:41	2023-06-12	14:11	12.50	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230612-000002	65	S	2023-06-12	04:44	2023-06-13	00:45	20.02	129.390	129,390	No	1,7	78	n/a	129.0	2.41	1,646,667	6.22	0.00
1-3J7TQB	66	HC015	2023-06-12	5:32	2023-06-12	12:25	3.65	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	67	HCS04	2023-06-12	10:20	2023-06-12	16:36	6.25	23.760	23,760	No	1,7	n/a	13	47.0	0.937	1,310,000	n/a	n/a
	68	HCS01	2023-06-12	11:19	2023-06-12	20:13	8.90	38.000	38,000	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	69	HCS05	2023-06-12	13:07	2023-06-12	19:20	6.23	0.685	685	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230616-000001	70	HCG03	2023-06-16	03:19	2023-06-16	05:59	2.67	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230616-000002	71	HCG14	2023-06-16	03:54	2023-06-16	06:37	2.73	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230625-000006	72	HCG03	2023-06-25	23:25	2023-06-26	12:07	1.96	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230625-000007	73	HCG14	2023-06-25	23:29	2023-06-26	14:19	8.46	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230627-000000	74	HCG03	2023-06-27	7:27	2023-06-27	18:05	4.89	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230627-000001	75	HCG14	2023-06-27	7:25	2023-06-27	18:52	10.57	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230627-000003	76	S	2023-06-27	15:54	2023-06-27	21:55	4.98	15.465	15,465	No	1,7	71	n/a	120.0	2.28	1,860,000	7.09	0.00
	77	HCS01	2023-06-27	18:07	2023-06-28	02:20	8.22	25.871	25,871	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	78	HCS04	2023-06-27	16:32	2023-06-27	22:32	6.02	11.567	11,567	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230702-000000	79	HCG03	2023-07-02	12:08	2023-07-02	15:09	3.62	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230702-000002	80	HCG14	2023-07-02	12:27	2023-07-02	16:08	3.68	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230703-000000	81	HCG03	2023-07-03	04:40	2023-07-03	13:17	6.75	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230703-000001	82	HCG14	2023-07-03	05:07	2023-07-03	12:58	6.76	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1-3LFK52	83	HC001	2023-07-03	07:29	2023-07-03	12:33	5.07	7.796	7,796	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230703-000002	84	S	2023-07-03	08:28	2023-07-04	05:13	20.74	206.343	206,343	No	1,7	38	n/a	58.9	1.17	2,073,333	7.45	0.00
	85	HCS03	2023-07-03	08:50	2023-07-03	09:10	0.33	0.275	275	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1-3LFLON	86	HCG04	2023-07-03	08:54	2023-07-03	10:15	1.36	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	87	HCS04	2023-07-03	09:28	2023-07-03	16:28	7.00	24.298	24,298	No	1,7	n/a	6	66.1	0.383	50,000	n/a	n/a
1-3LFMPR	88	HW	2023-07-03	09:33	2023-07-03	12:10	2.62	2.136	2,136	No	1,7	94	n/a	580.0	4.35	1,020,000	n/a	n/a
	89	HCS01	2023-07-03	10:37	2023-07-03	18:27	7.85	45.574	45,574	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230709-000005	90	HCG14	2023-07-09	20:06	2023-07-09	21:09	1.05	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1-3M3S00	91	DC011	2023-07-09	19:24	2023-07-09	20:26	0.04	0.008	8	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230709-000003	92	HCG03	2023-07-09	19:49	2023-07-09	23:43	1.25	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230713-000000	93	HCG03	2023-07-13	1:47	2023-07-13	05:53	1.70	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230713-000001	94	HCG14	2023-07-13	01:58	2023-07-13	06:33	2.66	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230115-000003	95	HCG03	2023-07-15	20:39	2023-07-16	02:10	0.96	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230720-000003	96	HCG03	2023-07-20	19:03	2023-07-20	20:44	1.69	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230720-000005	97	HCG14	2023-07-20	19:14	2023-07-20	21:22	2.12	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230726-000004	98	HCG03	2023-07-26	19:17	2023-07-27	05:00	4.00	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230726-000005	99	HCG14	2023-07-26	19:28	2023-07-27	05:46	4.78	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230727-000001 / 1-3OCXKL	100	DC011	2023-07-27	01:11	2023-07-27	04:26	0.23	0.047	47	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230727-000002 / 1-3ODTK4	101	DC012	2023-07-27	01:23	2023-07-27	01:48	0.09	0.031	31	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230727-000003	102	S	2023-07-27	1:47	2023-07-27	11:03	9.56	100.347	100,347	No	1,7	32	n/a	68.5	0.830	1,105,000	6.93	0.00
	103	HCS01	2023-07-27	2:02	2023-07-27	13:01	11.00	82.067	82,067	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a

**Woodward WWTP Bypass and CSO Overflow Log
2023**

SAC #	Event #	Location	Start		Stop		Duration Hours	Volume ML	Volume m3	Disinfection Yes / No	Reason Code	Sample Results					Final Effluent	
			Date yyyy-mm-dd	Time	Date yyyy-mm-dd	Time						Bypass or CSO Sample	TBOD mg/L	cBOD mg/L	TSS mg/L	TP mg/L	E.coli CFU/100ml	pH
	104	HCS03	2023-07-27	1:37	2023-07-27	1:50	0.22	0.004	4	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	105	HCS04	2023-07-27	1:24	2023-07-27	13:12	11.81	24.148	24,148	No	1,7	n/a	19	92.0	0.936	880,000	n/a	n/a
	106	HCS08	2023-07-27	2:15	2023-07-27	13:52	11.63	1.328	1,328	No	1,7	n/a	7	112.0	0.387	173,000	n/a	n/a
230727-000004	107	HCG04	2023-07-27	02:16	2023-07-27	2:28	0.19	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230729-000001	108	HCG03	2023-07-29	9:02	2023-07-29	14:28	4.01	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230729-000002	109	HCG14	2023-07-29	9:07	2023-07-29	15:00	4.72	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1-3OOG2V	110	DC011	2023-07-29	9:11	2023-07-29	10:06	0.16	0.036	36	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230729-000009	111	S	2023-07-29	10:45	2023-07-29	17:23	5.23	53.409	53,409	No	1,7	33	n/a	72.8	1.12	1,620,000	6.88	0.00
	112	HCS04	2023-07-29	13:46	2023-07-29	16:23	2.62	5.586	5,586	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230731-000006	113	HCG03	2023-07-31	13:37	2023-07-31	14:08	0.52	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230803-000001	114	HCG03	2023-08-03	1:31	2023-08-03	2:09	0.63	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230803-000002	115	HCG14	2023-08-03	1:56	2023-08-03	2:30	0.57	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230803-000010	116	HCG03	2023-08-03	23:40	2023-08-04	0:42	1.02	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230803-000011	117	HCG14	2023-08-03	23:51	2023-08-04	0:36	0.72	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230806-000001	118	HCG03	2023-08-06	22:03	2023-08-06	23:40	1.57	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230806-000002	119	HCG14	2023-08-06	22:16	2023-08-07	0:04	1.80	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230812-000001	120	HCG03	2023-08-12	10:16	2023-08-12	11:01	0.75	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230812-000002	121	HCG14	2023-08-12	10:22	2023-08-12	23:44	4.11	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230815-000004	122	HCG03	2023-08-15	15:06	2023-08-15	21:36	6.33	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230815-000005	123	HCG14	2023-08-15	15:17	2023-08-15	21:54	6.54	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	124	HCS03	2023-08-15	16:54	2023-08-15	18:03	1.17	1.372	1,372	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230815-000017	125	S	2023-08-15	17:15	2023-08-16	5:32	12.28	121.819	121,819	No	1,7	52	n/a	108	1.70	3,610,000	6.91	0.00
1-3LOOL	126	HC015	2023-08-15	17:17	2023-08-15	17:46	0.48	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1-3QLCFX	127	HW	2023-08-15	17:19	2023-08-15	23:10	5.85	43.217	43,217	No	1,7	87	n/a	319	2.21	1,550,000	n/a	n/a
	128	HCS01	2023-08-15	17:26	2023-08-16	13:06	19.68	118.109	118,109	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	129	HCS04	2023-08-15	17:31	2023-08-16	5:25	11.92	29.912	29,912	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230815-000018	130	HCG04	2023-08-15	17:32	2023-08-15	22:46	5.23	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	131	HCS08	2023-08-15	18:11	2023-08-16	5:30	11.33	1.654	1,654	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1-3QLCSK	132	HC001	2023-08-15	18:18	2023-08-15	18:39	0.35	0.965	965	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1-3QLCSK	133	DC011	2023-08-15	17:24	2023-08-15	18:13	0.06	0.011	11	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230817-000009	134	HCG03	2023-08-17	21:37	2023-08-17	22:55	1.30	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230817-000010	135	HCG14	2023-08-17	21:46	2023-08-17	22:46	0.70	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230823-000005	136	HCG03	2023-08-23	12:41	2023-08-23	12:42	0.01	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230823-000013	137	HCG14	2023-08-23	8:50	2023-08-23	13:13	1.66	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230824-000016	138	HCG14	2023-08-24	21:36	2023-08-25	0:36	2.94	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230824-000015	139	HCG03	2023-08-24	21:32	2023-08-24	23:51	2.95	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1-3RTTND	140	HC015	2023-08-24	21:33	2023-08-24	22:33	0.50	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1-3RTTND	141	HC001	2023-08-24	22:09	2023-08-24	22:41	0.55	1.718	1,718	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1-3RTTND	142	DC012	2023-08-24	21:42	2023-08-24	21:55	0.04	0.124	124	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1-3RTTND	143	DC011	2023-08-24	21:39	2023-08-25	0:50	0.15	0.348	348	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	144	HCS01	2023-08-24	23:58	2023-08-25	13:19	13.35	29.846	29,846	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	145	HCS04	2023-08-24	21:37	2023-08-24	22:47	1.17	0.001	1	No	1,7	n/a	7	158	0.610	57,900	n/a	n/a
	146	HCS08	2023-08-24	22:37	2023-08-25	5:17	6.66	0.971	971	No	1,7	n/a	6	132	0.401	199,000	n/a	n/a
230824-000017	147	S	2023-08-24	22:27	2023-08-25	4:27	5.24	42.483	42,483	No	1,7	62	n/a	74.0	1.34	3,080,000	6.75	0.00
230826-000004	148	HCG03	2023-08-26	15:54	2023-08-26	16:07	0.25	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230830-000000	149	HCG03	2023-08-30	0:15	2023-08-30	0:23	0.14	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230907-000003	150	HCG03	2023-09-07	3:57	2023-09-07	4:53	0.93	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230907-000004	151	HCG14	2023-09-07	4:05	2023-09-07	4:31	0.42	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
230911-000024	152	HCG03	2023-09-11	19:13	2023-09-11	19:28	0.25	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
231005-000012	153	HCG03	2023-10-05	21:58	2023-10-06	5:56	3.11	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
231014-000011	154	HCG03	2023-10-14	11:48	2023-10-14	12:03	0.25	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a
231026-000000	155	HCG03	2023-10-26	2:05	2023-10-26	2:20	0.25	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a

**Woodward WWTP Bypass and CSO Overflow Log
2023**

SAC #	Event #	Location	Start		Stop		Duration Hours	Volume ML	Volume m3	Disinfection Yes / No	Reason Code	Sample Results					Final Effluent		
			Date yyyy-mm-dd	Time	Date yyyy-mm-dd	Time						TBOD mg/L	cBOD mg/L	TSS mg/L	TP mg/L	E.coli CFU/100ml	pH	Total Cl mg/L	
231027-000004	156	HCG03	2023-10-27	11:08	2023-10-27	11:14	0.10	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
231106-000010	157	HCG03	2023-11-06	15:52	2023-11-06	16:31	0.66	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
231108-000005	158	HCG03	2023-11-08	23:09	2023-11-09	1:58	2.43	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
231109-000000	159	HCG14	2023-11-09	0:35	2023-11-09	1:39	1.08	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
231121-000000	160	HCG03	2023-11-21	12:21	2023-11-21	14:43	2.36	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
231126-000005	161	HCG03	2023-11-26	19:22	2023-11-26	21:28	1.31	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
231201-000001	162	HCG03	2023-12-01	10:39	2023-12-01	15:09	2.13	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
231209-000004	163	HCG03	2023-12-09	20:06	2023-12-09	22:46	2.67	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
231217-000007	164	HCG03	2023-12-17	17:28	2023-12-17	18:07	0.66	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
231227-000002	165	HCG14	2023-12-27	7:24	2023-12-27	7:43	0.31	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
231227-000001	166	HCG03	2023-12-27	6:53	2023-12-27	13:42	4.50	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
231228-000003	167	HCG03	2023-12-28	16:17	2023-12-28	16:54	0.62	n/a	n/a	No	1,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
231227-000004	168	S	2023-12-27	9:42	2023-12-28	8:50	22.35	63,680	63,680	No	1,7	46	n/a	79.6	1.42	1,430,000	7.30	n/a	

1028.65 3807.97

Legend / Notes

Bypass/Overflow Locations:

PH= Plant bypass
HW= Headworks bypass
PR= Primary bypass
S = Secondary bypass

HCS01 = Greenhill CSO Tank
HCS02 = Strachan St CSO Tank
HCS03 = James St CSO Tank
HCS04 = Main/King CSO Tank
HCS05 = Eastwood CSO Tank
HCS07 = Red Hill CSO Tank
HCS08 = Royal CSO Tank
HCS09 = McMaster CSO Tank

HCG03 = Wentworth CSO Outfall
HCG04 = Strathearne CSO Outfall
HCG14 = Wellington CSO Outfall

HC001 = Parkdale Pump Station
DC011 = Pleasant/Edenbridge Pump Station
DC012 = Pleasant/Sunrise Pump Station

Treatment Levels:

Plant bypass (PH) - no treatment
Headworks bypass (HW) - receives preliminary treatment
Primary bypass (PR) - receives preliminary treatment
Secondary bypass (S) - receives preliminary and primary treatment
CSO tank overflows receive no treatment prior to discharge.

Sample Locations:

Plant: Headworks in front of the barscreens
Primary / Headworks: Inlet of the Primary Clarifiers
Secondary: Outlet of the Primary Clarifiers

Note: a Final Effluent Outfall sample must be collected for all bypass types

Volume Determination:

Bypass flow volumes at the Woodward WWTP are estimated.
CSO tank overflow volumes are measured.
Pumping stations overflow volumes are measured.

Reason Codes:

1. Heavy Precipitation
2. Snow Melt
3. Equipment Failure
4. Equipment Maintenance
5. Sewer Problems
6. Power Failure
7. Exceed Design
8. Other