EPA New England MS4 Outfall Sampling Summary - Belmont, MA

Location						PPCP ng/L							Surfactants	Chlorine	NH3 (mg/l)	Coordinates		YSI Meter		
Date	Town	Site Name	Time	E.coli (MPN/100ml)	Entero (MPN/100ml)	Atenolol	Acetaminophen	Cotinine	1,7-Dimethylxanthine	Caffeine	Metoprolol	Carbamazepine			Test St.	GPS North(+)	GPS West (-)	Salinity ppt	Temp C	Conductivity uS
6/19/12	Belmont, MA	WinnB	805	542	213	3.1	8	1.2	32	28	1.7	0.6	0.05	0.03	0.1	42.399385	71.1610380	0.3	15.2	477
6/19/12	Belmont, MA	6/19 D **	805	504	201	3.4	4.7	2.1	22	36	ND	0.75	NA	NA	NA	42.399385	71.1610380	0.3	15.2	477
6/19/12	Belmont, MA	WellB1	845	1,844	314	7.2	190	3.8	100	200	8.6	3.1	0.2	0.01	0.2	42.393559	71.1667900	0.5	14.2	1099
6/19/12	Belmont, MA	WellB2	910	19,890	2,909	24	530	6.3	560	1100	18	3.7	0.75	0.02	0.6	42.395482	71.1760920	0.1	13.7	312
4/14/15	Belmont, MA	OF-15	820	>241,960	3,255	10	460	4.2	150	620	10	0.61	0.5	0	0.25	42.40613	71.1621990	0.9	9.2	1766
4/14/15	Belmont, MA	WinnB	900	1,379	187	15	170	1.2	33	68	2.5	2.2	0.2	0.01	0	42.39956	71.1610880	0.6	10.3	1308
4/14/15	Belmont, MA	OF-9	930	8	20	ND	5.8	4.2	7	41	ND	0.57	0.1	0.01	0	42.398513	71.1593890	0.5	9.3	1006
4/14/15	Belmont, MA	OF-12	955	34	10	2.2	22	16	21	160	1.8	0.8	0.25	0	0	42.4013	71.1587940	0.9	8.3	1706
4/14/15	Belmont, MA	OF-11	1020	9,678	121	27	3100	1.4	30	130	19	ND	0.1	0.05	0	42.400601	71.1609810	0.4	8.3	773
4/14/15	Belmont, MA	OF-8a	1045	25	10	ND	21	10	24	250	3.5	1.7	0.3	0.03	0	42.394574	71.1583130	1.1	11.7	2148
4/14/15	Belmont, MA	OF-8	1050	25	10	1.9	22	10	24	250	3.7	1.5	0.3	0.05	0	42.394543	71.1583110	1	11.4	1813
4/14/15	Belmont, MA	CAMD33	1110	992	275	40	280	3.4	150	550	6.3	1.3	0.2	0.01	0.25	42.394532	71.1582940	0.7	9.2	1354
4/14/15	Belmont, MA	WellB1	1140	924	10	1.7	42	1.4	15	100	2.5	2	0.2	0.06	0	42.393727	71.1668390	0.9	9.6	1682
4/14/15	Belmont, MA	WellB1a	1200	293	ND	ND	22	1.3	12	69	ND	2.2	NA	NA	NA	42.394458	71.1720880	0.9	11.3	1827
4/14/15	Belmont, MA	WellB2	12:15	504	31	2.3	24	1.2	12	70	1.5	2.4	0.2	0.08	0	42.395509	71.1763200	0.9	9.7	1854
3/30/16	Belmont, MA	NormT	1020	3,922	288	ND	42	2	36	240	3.3	ND	0.2	0.04	0.4	42.39624	71.1548260	0.5	11.9	1067
3/30/16	Belmont, MA	OF-8a	1100	8	ND	ND	44	12	30	280	2.9	0.75	NA	NA	NA	42.394574	71.1583130	1.1	8.5	2177
3/30/16	Belmont, MA	CAMD33	1105	4,480	2,613	13	780	4.6	150	560	14	0.97	0.25	0.04	0.1	42.394532	71.1582940	0.8	9.9	1616
3/30/16	Belmont, MA	WinnB	1130	3,466	295	8.1	45	2.8	44	210	7.8	2.4	0.3	0.02	3	42.39956	71.1610880	0.6	8.2	1139
3/30/16	Belmont, MA	WellB2	1144	1,741	990	ND	50	4.2	39	94	ND	1.3	NA	NA	NA	42.395509	71.1763200	0.9	10.4	1679
3/30/16	Belmont, MA	OF-15	1205	384	63	ND	23	3.3	30	60	ND	1.9	0.2	0.04	0.4	42.40613	71.1621990	1.1	9.5	2198

Note 1: MA Water Quality Standard single sample maximum for E. coli in Class B waters is 235 cfu/100ml
Note 2: MA Water Quality Standard single sample maximum for enterococcus in inland Class B waters is 61 cfu/100 ml
Note 3: Color coding is provided to assist in understanding and prioitization for IDDE purposes - any color in the E. coli or Entero column indicates a violation of water quality standards

** Location 6/19 D was a duplicate of WinnB for quality control purposes
E. coli - color key: Red ≥ 10,000 col/100ml, Orange ≥ 1260 col/100ml, Yellow ≥ 235 col/100ml, No Shading < 235 col/100ml
Entero - color key: Red ≥ 1000 col/100ml, Orange ≥ 350 Yellow ≥ 61 col/100ml, No Shading < 61 col/100ml
NH3 - color key: Red ≥ 6 mg/L, Orange ≥ 0.5 mg/L, Yellow ≥ 0.0 mg/L
Surfactants - color key: Red ≥ 1.0 mg/L, Orange ≥ 0.5 mg/L, Yellow ≥ 0.25 mg/L, No Shading < 0.25 mg/L *** may give false positive at salinity greater than 1 ppt
PPCP color key (X times Reporting Limit): 3X 10X +100X
Cl2 - color key: Red ≥ 1.0 mg/L, Orange ≥ 0.3 mg/L, Yellow ≥ 0.02 mg/L, No Shading < 0.02 mg/L
ND – not detected above the associated detection limit
NA – not applicable (analyte not tested for at that site at this time)

Reporting Limits
E. coli = 4 MPN/100mL
Enterococcus = 10 MPN/100mL
Surfactants Field = 0.1 mg/L
Ammonia Field = 0.1 mg/L
Chlorine Field = 0.02 mg/L