

## CERTIFICATE OF ANALYSIS

CAMBRIDGE DEPARTMENT OF PUBLIC WORKS  
 147 HAMPSHIRE ST  
 CAMBRIDGE, MA 02139

Report No.: 33152  
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 Report Date: 6/22/05

<b>RE: ALEWIFE BROOK EPA-DEP STORM DRAIN SAMPLES</b>
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**Sample Collection:** Samples collected by Client on June 9, 2005.

**Analytical Results:**

SAMPLE ID	A	B	C	D	E	F	G	H
<b>DATE COLLECTED</b>	6/9/2005	6/9/2005	6/9/2005	6/9/2005	6/9/2005	6/9/2005	6/9/2005	6/9/2005
<b>LOCATION</b>	St. Saviour Court	Huron Avenue	Wheeler Street	Fawcett Street	Normandy Terrace	Blanchard Road @ Wellington Street	Acorn Park	Outfall North of Cambridge Park Drive
pH Value (S.U.)	6.8	6.8	6.2	6.3	6.8	6.6	6.7	6.9
Conductivity (µmhos/cm)	1140	820	160	140	820	520	800	480
Fecal Coliform(CFU/100 ml)	22,000	12,000	260,000	69,000	21,000	43,000	18,000	36,000
E. Coli(CFU/100 ml)	11,000	7,300	7,400	1,700	820	7,400	9,800	4,600
Enterococcci(CFU/100 ml)	2,100	3,600	640	360	3,000	3,800	3,600	730
Ammonia Nitrogen (mg/l)	0.324	0.424	0.690	1.04	0.976	0.468	0.384	0.718
Total Kjeldhal Nitrogen (mg/l)	0.908	1.22	1.44	1.55	1.51	1.08	1.34	1.39
Nitrate Nitrogen (mg/l)	2.90	2.54	1.16	0.910	1.64	1.23	0.991	0.924
Total Phosphorus (mg/l)	0.115	0.210	0.115	0.117	0.117	3.45	0.135	0.103
Biochemical Oxygen Demand (mg/l)	<4.0	4.5	8.7	9.3	<4.0	<4.0	<4.0	5.3
Total Suspended Solids (mg/l)	5.00	42.0	10.0	41.0	6.00	10.0	20.0	<4.00

**Methods:** Standard Methods for the Analysis of Water & Wastewater, 20th edition, 1998, and Methods for Chemical Analysis of Water & Wastewater, EPA 600/4-79-020 (1983).