

Marystown – BL3500 Gaze Cove – Project #7020

Results of Testing

Environmental standards: 20 BOD / 30 TSS

Operational November 5, 2009

Test for: ▼	Sample #1		Sample #2		Sample #3		Sample #4		Sample #5		Sample #6	
	Nov. 12/09		Nov. 18/09		Nov. 25/09		Dec. 2/09		Dec. 16/09		Jan. 20/10	
	Air Temp. 2.6°C		Air Temp. 2.0°C		Air Temp. 4.1°C		Air Temp. 0.9°C		Air Temp. 0.3°C		Air Temp. -13°C	
	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
BOD ₅	68	8	47	ND	97	6	51	5	180	22	290	4
Total Suspended Solids	110	5	71	4	110	6	130	7	420	38	670	6
Nitrate (N)	ND	0.08	0.09	0.24	0.05	0.70	0.72	0.29	ND	2.6	0.28	8.6
Nitrate + Nitrite	ND	0.12	0.11	0.32	0.07	0.99	0.84	0.29	ND	2.8	0.29	8.7
Nitrite (N)	ND	0.03	0.02	0.09	0.01	0.29	0.12	ND	0.01	0.15	0.02	0.11
Nitrogen (Ammonia Nitrogen)	18	16	25	17	24	20	6.6	3	19	12	20	8.2
pH	6.82	7.26	7.12	7.49	6.94	7.50	7.16	6.77	6.99	7.05	6.91	6.79
Total Phosphorous	4.3	2.4	4.5	2.2	5.9	3.6	3.0	0.75	7.2	2.8	8.3	2.4
Total Kjeldhal Nitrogen	29	20	31	21	38	25	18	4.8	37	14	51	11
Mineral Oil and Grease	ND	ND	ND	ND	ND	ND	ND	ND	no test	no test	ND	ND
Total Oil & Grease	18	ND	12	ND	12	ND	17	ND	22	ND	34	ND
Escherichia Coli	>250	110	>250	20	99	11	140	31	no test	no test	>250	16
Total Coliform	>250	>250	>250	>250	>250	>250	>250	>250	no test	no test	>250	>250

Averages to Sample #7		
	Inlet	Outlet
BOD ₅	126.1	7.4
TSS	238.7	10.7
TKN	36.0	15.4

