

Hamlet of Arctic Bay 2014 & 2015 Wastewater Testing

2014

2014

		1st of 3 Beginning of Decant	Middle and Decant
Client Sample I.D.		B14-22753	B14-23035
Lab Sample I.D.		30-Jul-14	5-Sep-14
Date Collected		3-Sep-14	8-Sep-14
Date Received		10-Sep-14	15-Sep-14
Date Reported			
Parameters	MDL		
BOD	3	75	90
Total Suspended Solids	3	12	8
Hardness (as CaCO ₃)	1	68	88
Alkalinity(CaCO ₃) to pH4.5	5	187	320
Conductivity @25°C	1	744	760
pH @25°C		7.88	7.69
Nitrite (N)	0.1	< 0.1	< 0.1
Nitrate (N)	0.1	< 0.1	< 0.1
Chloride	0.5	38.1	37.9
Sulphate	1	2	2
Total Organic Carbon	0.2	43.6	37.7
Ammonia (N)-Total	0.01	48.9	49.4
Phenolics	0.001	0.367	0.382
Aluminum (total)	0.01	0.65	0.55
Arsenic	0.0005	0.0008	0.0012
Calcium	0.02	12.1	18.4
Cadmium	0.005	< 0.005	< 0.005
Cobalt	0.005	< 0.005	< 0.002
Copper	0.002	0.015	< 0.005
Chromium	0.002	< 0.002	0.037
Iron (Total)	0.005	1.23	1.3
Lead	0.02	< 0.02	< 0.02
Magnesium	0.01	9.28	0.00007
Manganese (Total)	0.001	0.433	10.2
Mercury	0.00002	< 0.00002	0.408
Nickel	0.01	< 0.01	< 0.01
Potassium	0.1	17.7	20.8
Sodium	0.2	49.1	62.6
Zinc	0.005	0.042	0.028
Oil & Grease-Total	1	5.7	6.2
Fecal Coliform	1	150000	58000

2014

2015

End of Decant 2014	End of Decant 2015 Annual Sewage Lagoon		
B14-24596-1	B15-24128-1		
18-Sep-14	15-Sep-15		
22-Sep-14	16-Sep-15		
30-Sep-14	23-Sep-15		
66	11		
12	12		
66	146		
325	259		
794	608		
7.69	7.89		
< 0.1	< 0.1		
< 0.1	< 0.1		
40.9	28.9		
2	3		
36	10.9		
53.7	21.4		
0.377	< 0.001		
0.68	0.12		
0.002	0.0015		
11.7	27		
< 0.005	< 0.005		
< 0.005	< 0.005		
0.006	0.005		
< 0.002	< 0.002		
0.995	5.59		
< 0.02	< 0.02		
9.01	19.1		
0.431	0.687		
< 0.00002	< 0.00002		
< 0.01	< 0.01		
16.7	7.9		
47.3	31.3		
0.024	0.006		
4.4	1.4		
42000	2300		