

PEI Analytical Laboratories - Water Quality Test Report

23 Innovation Way, Charlottetown, PE C1E 0B7

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Client Name: North Rustico Sewer & Water Utility Corporation **Sample Number:** W170405008
Sample Point: North Rustico Wastewater Treatment Plant **Sample Location:** Downstream of UV Lights
Date Sampled: April 05, 2017 **Sampler:** Allan Nisbet
Date Received: April 05, 2017 **Water Type:** Wastewater - WWTP - Effluent

Water Chemistry Results (analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WCL_04M *	pH for Water	7.4	pH (pH Units)	0.00
WCL_02M *	Ammonia-N	22.500	ppm	0.10
Approved By: Jackie Gamhum		Date:	April 07, 2017	

Date of Analysis available upon request.

Water Microbiology Results (analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WML_09M *	Faecal coliforms A1	2	MPN	2.00
WML_04M *	TSS	4	mg/L	1.00
Approved By: Julie Schroeder		Date:	April 06, 2017	
WML_07M *	CBOD	<10	mg/L	10.00
Approved By: Patti Larsen		Date:	April 11, 2017	

Date of Analysis available upon request.

Legend: MPN = Most Probable Number
 cfu/100 mls = colony forming unit per 100 millilitres mg/L = milligrams per litre
 * = method accredited by Standards Council of Canada; nd = not detected; na = not analysed
 ppm = parts per million ppb = parts per billion
 Ammonia is equivalent to (Ammonia + Ammonium)-N

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Client Name: North Rustico Sewer & Water Utility Corporation **Sample Number:** W170308003
Sample Point: North Rustico Wastewater Treatment Plant **Sample Location:** Downstream of UV Lights
Date Sampled: March 08, 2017 **Sampler:** Allan Nisbet
Date Received: March 08, 2017 **Water Type:** Wastewater - WWTP - Effluent

Water Chemistry Results (analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WCL_02M *	Ammonia-N	7.280	ppm	0.10
WCL_04M *	pH for Water	7.0	pH (pH Units)	0.00
Approved By: Jackie Garnhum		Date:	April 04, 2017	

Date of Analysis available upon request.

Water Microbiology Results (analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WML_09M *	Faecal coliforms A1	<2	MPN	2.00
WML_04M *	TSS	8	mg/L	1.00
Approved By: Angela MacLeod		Date:	March 10, 2017	
WML_07M *	CBOD	<10	mg/L	10.00
Approved By: Patti Larsen		Date:	March 14, 2017	

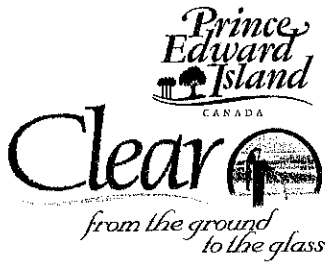
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Client Name: North Rustico Sewer & Water Utility Corporation **Sample Number:** W170208007
Sample Point: North Rustico Wastewater Treatment Plant **Sample Location:** Downstream of UV Lights
Date Sampled: February 08, 2017 **Sampler:** Allan Nisbet
Date Received: February 08, 2017 **Water Type:** Wastewater - WWTP - Effluent

Water Chemistry Results (analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WCL_02M *	Ammonia-N	15.700	ppm	0.10
WCL_04M *	pH for Water	7.4	pH (pH Units)	0.00
Approved By: Lori Brine		Date:	February 15, 2017	

Date of Analysis available upon request.

Water Microbiology Results (analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WML_07M *	CBOD	12	mg/L	10.00
Approved By: Angela MacLeod		Date:	February 15, 2017	
WML_09M *	Faecal coliforms A1	23	MPN	2.00
Approved By: Julie Schroeder		Date:	February 09, 2017	
WML_04 *	TSS	20	mg/L	1.00
Approved By: Patti Larsen		Date:	February 09, 2017	

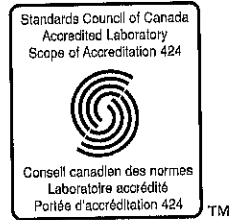
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Allan Nisbet
28/2/17



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Client Name: North Rustico Sewer & Water Utility Corporation **Sample Number:** W170104006
Sample Point: North Rustico Wastewater Treatment Plant **Sample Location:** Downstream of UV Lights
Date Sampled: January 04, 2017 **Sampler:** Allan Nisbet
Date Received: January 04, 2017 **Water Type:** Wastewater - WWTP - Effluent

Water Chemistry Results (analysed at 23 Innovation Way)

Method ID	Parameter	Results	Units	Detection Limit
WCL_08M *	Total Phosphorus	1300	ppb	10.00
WCM_05M *	Total Nitrogen	16.6	ppm	0.50
WCL_02M *	Ammonia-N	16.200	ppm	0.10
WCL_04M *	pH for Water	7.5	pH (pH Units)	0.00
Approved By: Cory Doucette		Date: January 06, 2017		

Date of Analysis available upon request.

Water Microbiology Results (analysed at 23 Innovation Way)

Method ID	Parameter	Results	Units	Detection Limit
WML_09M *	Faecal coliforms A1	8	MPN	2.00
Approved By: Julie Schroeder		Date: January 05, 2017		
WML_04 *	TSS	7	mg/L	1.00
WML_07M *	CBOD	<10	mg/L	10.00
Approved By: Patti Larsen		Date: January 10, 2017		

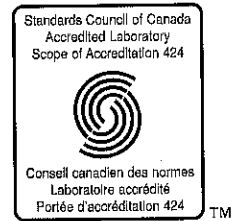
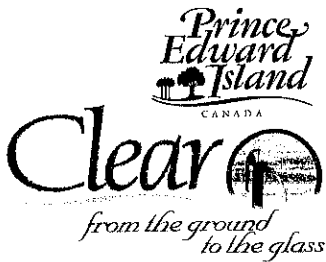
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Allan 1/16/17



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Client Name: North Rustico Sewer & Water Utility Corporation **Sample Number:** W161207009
Sample Point: North Rustico Wastewater Treatment Plant **Sample Location:** Downstream of UV light
Date Sampled: December 07, 2016 **Sampler:** Allan Nisbet
Date Received: December 07, 2016 **Water Type:** Wastewater - Effluent

Water Chemistry Results (analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WCL_02M *	Ammonia-N	0.786	ppm	0.10
WCL_04M *	pH for Water	7.5	pH (pH Units)	0.00
Approved By: Cory Doucette		Date:	December 22, 2016	

Date of Analysis available upon request.

Water Microbiology Results (analysed at 23 Innovation Way)

<u>Method ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>Detection Limit</u>
WML_09M *	Faecal coliforms A1	2	MPN	2.00
WML_04 *	TSS	3	mg/L	1.00
Approved By: Angela MacLeod		Date:	December 09, 2016	
WML_07M *	CBOD	<10	mg/L	10.00
Approved By: Scott Brown		Date:	December 13, 2016	

Date of Analysis available upon request.

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Allan Nisbet 9/11/17