

APPENDIX C : EUREKA WASTE WATER RESULTS 2007

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Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
270391

- FINAL REPORT -

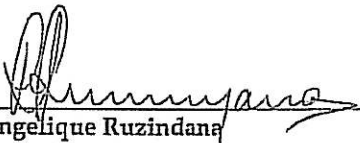
Prepared For: Environment Canada
Eureka Weather Station

Address: 123 Main Street
Suite 150
Winnipeg, MB
R3C 4W2

Attn: Harvey Pukin

Facsimile:

Final report has been reviewed and approved by:


Angelique Ruzindana
Quality Assurance Officer

NOTES:

- Test methods and data are validated by the laboratory's Quality Assurance Program. Taiga Environmental Laboratory is accredited by the Canadian Association of Environmental Analytical Laboratories (CAEAL) as a testing laboratory for specific tests registered with CAEAL.
- Routine methods are based on recognized procedures from sources such as
 - Standard Methods for the Examination of Water and Wastewater APHA AWWA WEF;
 - Environment Canada
 - USEPA
- Samples shall be kept for thirty (30) days after the final report is issued. All microbiological samples shall be disposed of immediately upon completion of analysis to minimize biohazardous risks to laboratory personnel. Please contact the laboratory if you have any special requirements.
- Final results are based on the specific tests at the time of analysis and do not represent the conditions during sampling.

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Taiga Batch No.:
270391

- CERTIFICATE OF ANALYSIS -

Client Sample ID: EUWW#1

Taiga Sample ID: 001

Client Project:

Sample Type: Wastewater

Received Date: 05-Jul-07

Sampling Date: 04-Jul-07

Sampling Time:

Location: Eureka Sewage Lagoon

Report Status: FINAL

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	VMV Code	Qualifer
<u>Inorganics - Physicals</u>							
Solids, Total Suspended	71	3	mg/L	10-Jul-07	SM2540:D	106005	
<u>Inorganics - Nutrients</u>							
Biological Oxygen Demand	35	2	mg/L	05-Jul-07	SM5210:B		
Nitrate+Nitrite as Nitrogen	< 0.01	0.01	mg/L	18-Jul-07	SM4110:B	106000	
Phosphorous, Total	0.24	0.01	mg/L	13-Jul-07	SM4500-P:D	106007	
<u>Subcontracted Nutrients</u>							
Kjeldahl Nitrogen, Total	43.7	0.06	mg/L	19-Jul-07	ISO 11905-2		
<u>Major Ions</u>							
Magnesium	81.2	0.1	mg/L	19-Jul-07	SM4110:B	106011	
Sodium	967	0.1	mg/L	19-Jul-07	SM4110:B	106012	
<u>Microbiology</u>							
Coliforms, Fecal	< 10000	10000	CFU/100mL	05-Jul-07	SM9222:D	036014	68
Coliforms, Total	379000	10000	MPN/100mL	05-Jul-07	SM9223:B	103454	

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: EUWW#1

Taiga Sample ID: 001

Subcontracted Organics

Phenols, Total	0.040	0.001	mg/L	12-Jul-07	APHA 5530D
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Taiga Batch No.:
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- CERTIFICATE OF ANALYSIS -

Client Sample ID: EUWW#2

Taiga Sample ID: 002

Client Project:

Sample Type: Wastewater

Received Date: 05-Jul-07

Sampling Date: 04-Jul-07

Sampling Time:

Location: Eureka Sewage Lagoon

Report Status: FINAL

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	VMV Code	Qualifier
<u>Inorganics - Physicals</u>							
Solids, Total Suspended	89	3	mg/L	10-Jul-07	SM2540:D	106005	
<u>Inorganics - Nutrients</u>							
Biological Oxygen Demand	37	2	mg/L	05-Jul-07	SM5210:B		
Nitrate+Nitrite as Nitrogen	1.11	0.01	mg/L	18-Jul-07	SM4110:B	106000	
Phosphorous, Total	4.13	0.01	mg/L	13-Jul-07	SM4500-P:D	106007	
<u>Subcontracted Nutrients</u>							
Kjeldahl Nitrogen, Total	42.7	0.06	mg/L	19-Jul-07	ISO 11905-2		
<u>Major Ions</u>							
Magnesium	78.4	0.1	mg/L	19-Jul-07	SM4110:B	106011	
Sodium	850	0.1	mg/L	19-Jul-07	SM4110:B	106012	
<u>Microbiology</u>							
Coliforms, Fecal	80000	10000	CFU/100mL	05-Jul-07	SM9222:D	036014	
Coliforms, Total	650000	10000	MPN/100mL	05-Jul-07	SM9223:B	103454	
<u>Subcontracted Organics</u>							

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: EUWW#2

Taiga Sample ID: 002

Phenols, Total	0.055	0.001	mg/L	12-Jul-07	APHA 5530D
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- CERTIFICATE OF ANALYSIS -

Client Sample ID: EUWW#2

Taiga Sample ID: 002

- DATA QUALIFIERS -

Data Qualifier Descriptions:

68 *Unable to repeat analysis at lower dilution. Holding time exceeded.*

* Taiga analytical methods are based on the following standard analytical methods
SM - Standard Methods for the Examination of Water and Wastewater
EPA - United States Environmental Protection Agency

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