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P. O. Box 1500  
Yellowknife, NT X1A 2R3

*Your file - Votre référence*

**NB102-00181/10-7**  
*Our file - Notre référence*

December 10, 2007

License # 2BB-MRY0710

Ms Phyllis Beaulieu  
Manager of Licensing  
Nunavut Water Board  
P.O. BOX 119  
Gjoa Haven, NU XOB 1J0

Dear Ms Beaulieu:

**Re: Quality Assurance/Quality Control (QA/QC) Plan as per the Nunavut  
Water Board License N° 2BB-JMRY0710, Baffinland Iron Mines  
Corporation, Mary River Project  
Nunavut**

**Submitted : October 25, 2007**

**Reviewed : November 27, 2007**

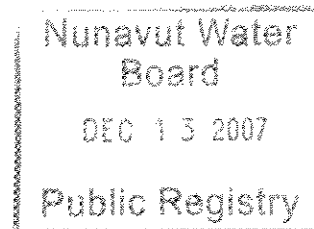
Thank-you for the submission of the Quality Assurance/Quality Control Plan prepared for Baffinland Iron Mines Corporation, Mary River Project.

Upon review, it has been found that the plan is complete. Approval of the plan is hereby granted.

Should you require further information, please do not hesitate to contact me at (867) 669-2781.

Sincerely,

Angelique Ruzindana, M.Sc.  
Analyst Under the  
*Northwest Territories and Nunavut Waters Act*



## QA/QC Plan Requirements

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Licensee: *Baffinland Iron Mines Corporation*

*Mary River Project*

*Surface Water Sampling Program*

Water License # : 2BB-MRY0710

QAQC Plan # NB102-00181/10-7

Date Submitted: November 7/2007

Date Reviewed: November 27/2007

Class : B

By : Phyllis Beaulieu

By: Angelique Ruzindana

Item		Requirement	Class A	Class B
Field Sampling	Locations	locations of all sampling stations and the markers used to identify the stations		OK, Site water management plan
		buoys and landmarks in ponds and lakes		OK, Site water management plan
		sign posts for stream sample stations		OK, Site water management plan
	Sampling Equipment	detailed section on equipment used		OK
		rationale behind choices		OK
		descriptions of how equipment is maintained and calibrated		OK
		sample containers - new or if re-used, include bottle cleaning procedure		OK
	Sampling Methods	methods for sample collection		OK
		equipment used for each station		OK
		field blanks and replicate sample collection		OK

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Item		Requirement	Class A	Class B
Sample Handling	Preservation	describe how samples from each station are to be preserved (should include holding times - not specifically stated in guidelines)		OK
		detailed information on the concentrations and amount of preservatives that will be used		OK
	Sample Identification	description of the system used to identify samples; logbook, water resistant marking on bottle, include details as company name, sample area, SNP number, time and date		OK
	Transportation	transportation of samples from collection to delivery to lab: sealed, stored upright, refrigeration during transport		OK

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Item		Requirement	Class A	Class B
Lab Analysis (Outside Labs)	Lab Accreditation	Name of lab		Accutest, ALS
		Certificate/letter of accreditation		OK
		List of certified tests		OK
	Detection Limits	identified for all SNP data parameters, submitted with reports		OK
	Methodology	as in Standard Methods (SM) or include description of methods used		OK
Lab Analysis In House Labs	Detection Limits	identified for all SNP data parameters, submitted with reports		N/A
	External QC	identify lab used to cross-check for quality control		N/A
	Methodology	use of Standard Methods or other approved methods		N/A
		Accuracy ensured with certified control/reference standards; frequency		N/A

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Item		Requirement	Class A	Class B
Lab Analysis In House Labs (cont'd)	Methodology	Precision ensured with replicates; description of how and when replicates taken; triplicates at one SNP station during each sampling period; daily sampling: duplicate each day, triplicate once a week		N/A

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Item		Requirement	Class A	Class B
Reporting	General	outline of what information will be reported in monthly SNP reports, including: - control charts for accuracy, precision		X
	Outside Labs	number of replicates that will be collected and submitted with each SNP report, including: - one set of dups/trips from an assigned SNP - field blanks		OK
	In-House Labs	number of replicates that will be included with each SNP report, including: - two dups per month at an assigned SNP, with one set sent to a commercial lab, the other analyzed at the in-house lab; results to be included with each SNP report		N/A