



Prairie & Northern  
Environmental Protection Operations  
Environment Canada  
Room 200, 4999-98<sup>th</sup> Avenue NW  
Edmonton, AB T6B 2X3

July 19, 2012

File: 7834-3-37/M50-2

Adrian Paradis  
A/Manager, Giant Mine Remediation Project  
Aboriginal Affairs and Northern Development Canada  
P.O. Box 1500  
Yellowknife, NT, X1A 2R3

**Mackenzie Valley Land  
& Water Board**

File \_\_\_\_\_

**AUG 01 2012**

Fax: 867-669-2439

Application # MN2007LS-8031

Dear Mr. Paradis:

Copied To LS Reg.

**Subject: Metal Mining Effluent Regulations – Evaluation of 4<sup>th</sup> Environmental Effects Monitoring (EEM) Study Design, Giant Mine, NWT**

This letter is to advise you that the 4<sup>th</sup> EEM Study Design for Giant Mine has been evaluated and meets the requirements specified in Schedule 5 of the Metal Mining Effluent Regulations for environmental effects monitoring studies. The evaluation of this proposed study is based on the Technical Advisory Panel's (TAP) review of the Aboriginal Affairs and Northern Development Canada (AANDC) Study Design entitled, 'Giant Mine Phase 4, Environmental Effects Monitoring (EEM) Magnitude and Geographic Extent of Effects Study Design', received January 17, 2012, discussions during the AANDC Giant Mine – TAP meeting held July 11, 2012, the response to TAP comments on Study Design, received July 18, 2012 (electronic) and further clarifications provided via email, received July 19, 2012.

It is my understanding that the facility will remain in contact with the TAP during field work, and that the TAP will be consulted on field decisions regarding the fish survey. Please note that method detection limits (MDLs) for water quality parameters for which environmental quality guidelines (CCME or other) exist should be sufficiently low to allow for comparison to the guidelines. If available, MDL's that are significantly less than the water quality guideline (WQG) (at least a ratio of 1:10 MDL:WQG) should be used.

If you have any questions please do not hesitate to contact the EEM Coordinator for your facility, Shelly Boss (Email: Shelly.Boss@ec.gc.ca, Tel: 780-951-8754, Fax: 780-495-2758).

Sincerely,

Cheryl Baraniecki  
Regional Director, Environmental Protection  
MMER Regional Authorization Officer

Environnement Canada / Environment Canada



**FAXED**  
19/07/12  
3:15