



Prairie & Northern
Environmental Protection Operations
Environment Canada
Room 200, 4999-98th 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 # MV2007LS-8031

Dear Mr. Paradis:

Copied To LB Reg.

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

This letter is to advise you that the 4th 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

FAXED
19/07/12
3/5



cc:

Shelly Boss	Environment Canada, Edmonton
Lisa Lowman	Environment Canada, Yellowknife
Tim Morton	Environment Canada, Yellowknife
Paula Siwik	Environment Canada, Edmonton
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