



Environment Canada  
Environnement Canada

Northern Division  
Prairie and Northern Region  
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Yellowknife, NT X1A 2P7

Our file: 4780 006 040 050  
Your file: EA0809-002

Sept. 7, 2010

Mackenzie Valley Environmental Impact Review Board  
P.O. Box 938  
Yellowknife, NT X1A 2N7

*Via email chubert@mveirb.ca*

Attention: Chuck Hubert

**Re: Additional Information Request to Government Parties**

In response to the letter from the Mackenzie Valley Environmental Impact Review Board (MVEIRB) regarding the applicable regulatory instruments, Environment Canada wishes to advise that EC does not have a permitting role for this project. There are, however, relevant regulations which provide authorizations for project activities.

*Metal Mining Effluent Regulations*

Once effluent volumes exceed 50 m<sup>3</sup>/day and are to be discharged to waters frequented by fish, the mine will be captured under the *Metal Mining Effluent Regulations* (2002) and *Regulations Amending the Metal Mining Effluent Regulations* (2006). This legislation authorizes the deposit of a deleterious substance upon compliance with the provisions set out in the regulations. Of interest to the environmental assessment will be the conditions pertaining to the effluent not being acutely lethal, and containing concentrations below specified limits for specified parameters (noting that these limits are minimum national standards, and NWT licencing criteria are generally much more stringent). Monitoring requirements are also set out in the regulations, and include characterization of the effluent and the site, and monitoring of the receiving environment.

The regulations are posted at: <http://laws.justice.gc.ca/eng/SOR-2002-222/page-1.html> and 2006 updates are found at: <http://www.ec.gc.ca/publications/2EE03F4A-959F-441F-858F-85C9AB71EC43/RegulationsAmendingTheMetal2006.pdf>

*Canadian Environmental Protection Act 1999*

Under the *Canadian Environmental Protection Act* 1999, Environment Canada has enacted the *Storage Tank Systems for Petroleum Products and Allied Petroleum Products Regulations*. Canadian Zinc Corp. activities are captured within these regulations as operations are being carried out on Crown lands. Requirements of this regulation include (but are not limited to) registration of their tank systems with EC and posting of an identification number; the conducting of leak detection tests on tank systems installed prior to June 12, 2008, and the preparation of an emergency plan for

spill or leak response. Systems installed after June 12, 2010 have additional requirements including: the withdrawal of high-risk tanks from service, and to have a product transfer area designed to contain spills. There are further technical requirements for the installation of new systems. Further information regarding the identification process and requirements applicable to systems located on the Prairie Creek Mine site is available at: <http://www.ec.gc.ca/rs-st/default.asp?lang=En&n=EA46E5E0-1>.

Please note that the foregoing summaries are provided on a “without prejudice” basis and only highlight some of the requirements as relevant to the MVEIRB query. This should not be considered a complete listing; full details are available in the legislation.

Please do not hesitate to contact me with any questions or comments with regards to the foregoing at (867) 669-4735 or by email at [anne.wilson@ec.gc.ca](mailto:anne.wilson@ec.gc.ca).

Yours truly,

***Original signed by***

Anne Wilson  
Water Pollution Specialist  
Environment Canada

cc: Carey Ogilvie, (Head, EA-North, EPOD, Yellowknife)  
Glenn Groskopf (Mining Officer, EPOD, Regina)  
Patrick Kramers (Enforcement Officer, EC, Yellowknife)