

Site Visit Report

on the

Mackenzie Valley Environmental Impact Review Board's visit

to the Prairie Creek Minesite

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On Thursday, July 16, 2009, the Mackenzie Valley Environmental Impact Review Board (Review Board) participated in a site visit to view existing facilities and areas planned for development at Canadian Zinc Corporation's proposed Prairie Creek Mine Project.



Photo 1: David Harpley describes mine operations at 870 m portal

For the site visit, Canadian Zinc Corporation was represented by David Harpley, Vice President of Environment and Permitting Affairs and Wilbert Antoine, Manager of Northern Development.

Prior to arrival, portions of the existing winter road were viewed from the air on the flight from Fort Simpson. After landing at the Prairie Creek airstrip and driving to the minesite, the developer's

representatives gave a brief presentation of the Project to the Review Board. David Harpley

outlined mine components already onsite, components that will be removed or modified and new components required for operation of the proposed mine.

The group began a walking tour of the minesite at the 870 m portal (Photo 1). A new portal to access underground workings during mine operations is proposed adjacent to this location. The proposed pathway for ore from the portal to the mill was described. David Harpley discussed current seasonal drainage from the portal, the existing water treatment plant and polishing pond for treated mine water. Ditching and seepage issues around the mill site were also described.

The group proceeded into the mostly intact mill, which may require operational upgrades including more efficient and cleaner burning diesel generators.

The area behind the mill was visited where proposed dense-media-separation rock storage pad and paste backfill plant will be located.

The group then walked up the Harrison Creek drainage to view the valley where the development of the waste rock pile is proposed (Photo 3). The tour continued to the water discharge location at Prairie Creek and along the flood protection dike where the existing sewage treatment plant and other mine facilities were viewed and discussed. Proposed modifications to the water storage pond and the location of the temporary tailings storage pad were also described by David Harpley.



Photo 2: Group at polishing pond with mill in background



Photo 3: Waste rock pile location in valley to left of photo

The site tour ended at 5 pm. The return flight to Fort Simpson included portions of the South Nahanni River downstream of Prairie Creek minesite.