



January 8, 2009

Mr. Tim Pilon
Alaska Department of Environmental Conservation
Division of Water
3700 Airport Way
Fairbanks, AK 99709-4699

Re: Red Dog Mine Waste Management Permit Application

Dear Mr. Pilon:

Teck Cominco Alaska, Inc. (TCAK) is submitting this letter to the Alaska Department of Environmental Conservation (ADEC) as an application for an integrated waste management permit for the Red Dog Mine, as specified in AS46.03.100(d).

The comprehensive waste management permit would include the following:

- Waste rock placed in the existing Main Waste Stockpile and Main Pit;
- Tailings placed in the existing Tailings Storage Facility;
- Two landfills, one located to the east of the Tailings Storage Facility and the other within the Main Waste Stockpile, currently regulated under permits SWZA016-012 and SW3A010-13;
- Water quality monitoring within the Bons Creek drainage;
- Water quality and flow monitoring of key flows contributing to site-wide water and load balance;
- Bioassessment program;
- Visual monitoring of applicable facilities;
- Permafrost and sub-permafrost groundwater monitoring;
- Reclamation activities, and;
- Operation and Maintenance of Dams.

TCAK proposes to incorporate the following existing programs and permits into the solid waste management permit:

- Groundwater Supplemental Environmental Project (SEP);
- Red Dog Creek Fish Weir Construction and Maintenance (SEP);
- Biomonitoring program conducted under the Red Dog Mine NPDES permit; and
- Landfill permits SWZA016-012 and SW3A010-13 and associated Standard Operating Procedures.

The mine is located on private land owned by NANA Regional Corporation (NANA) and is operated by TCAK under a 1982 Operating Agreement with NANA. A letter from NANA is attached, providing consent to the proposed activities.

In support of this letter of application and the application for renewal of the Closure and Reclamation Plan, TCAK has previously submitted a large number of documents, as shown on the enclosure list on the following page. The key supporting documents for the application for a solid waste management permit are:

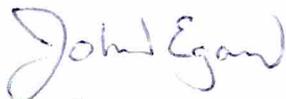
- Red Dog Mine Closure and Reclamation Plan, Final Draft for Agency Review
- Supporting Document A2, Legal Description of Property
- Supporting Document B1, Red Dog Mine Development Plan (TCAK, 2004)
- Supporting Document B2, Plan of Operations for Waste Rock Management
- Supporting Document B3, Plan of Operations for Tailings and Water Management
- Red Dog Mine Waste Management, Reclamation and Closure Monitoring Plan
- Supporting Documents J1 to J3, Financial Assurance and Cost Estimates

A general narrative description of site topography, geology, climate, surface hydrology and groundwater hydrology, as required by 18 AAC 60.210 (b)(1)(B), is attached. In addition, a certification by James Swendseid, Professional Engineer registered in the state of Alaska is provided on the following page.

TCAK is aware of all applicable local ordinances, all local zoning requirements and the requirements of AS 46.40 and 6 AAC 50 (the Alaska Coastal Management Program). The project location is within the Alaska Coastal Zone and a Coastal Project Questionnaire is being submitted for the project under separate cover.

Please contact me if you have any questions or concerns regarding this application.

Yours truly,



John Egan
Acting General Manager, Red Dog Mine
Teck Cominco Alaska

c.c.:	Paul Glavinovich	NANA Regional Corporation
	Rosie Barr	NANA Regional Corporation
	Sonny Adams	NANA Regional Corporation
	Jack DiMarchi	Alaska Department of Natural Resources
	David Johnson	Alaska Department of Environmental Conservation
	Tom Okleasik	NWAB

Enclosures:

Description of Site Topography, Geology, Climate, Surface Hydrology and Groundwater Hydrology

Letter from NANA consenting to proposed activities

Red Dog Mine Closure and Reclamation Plan, Final Draft for Agency Review

Supporting Documents to Closure and Reclamation Plan (submitted under separate cover):

Supporting Document A: Consultation & Property Description

- A1 Closure Workshops
- A2 Legal Description of Property

Supporting Document B: Plans of Operations

- B1 Red Dog Mine Development Plan (TCAK, 2004)
- B2 Plan of Operations for Waste Rock Management
- B3 Plan of Operations for Tailings and Water Management

Supporting Document C: Geotechnical

- C1 Main Waste Stockpile Stability Assessments
- C2 Drawings from Updated Geotechnical Report (URS, 2008)
- C3 Dam History Report, Red Dog Tailings Main Dam, Future Raises to Closure (URS, 2007)
- C4 Preliminary Conceptual Design Report, Red Dog Tailings Main Dam, Future Raises to Closure (URS, 2007)
- C5 Stability Analysis for Future Raises to Closure, Tailings Main Dam (URS, 2007)
- C6 Seepage Analysis Report, Red Dog Tailings Main Dam, Future Raises to Closure (URS, 2007)
- C7 Drawings from Back Dam Investigation and Design (Golder Associates 2006)
- C8 Preliminary Spillway Design, Red Dog Tailings Main Dam, Ultimate Closure Configuration (URS, 2008)

Supporting Document D: Geochemistry

- D1 Consolidation of Studies on Geochemical Characterization of Waste Rock and Tailings
- D2 Supporting Geochemical Review and Interpretation
- D3 Aqqaluk Geochemistry – Supplemental Testing Program
- D4 Lime Requirements and Predicted Geochemical Changes

Supporting Document E: Water Management

- E1 Red Dog Water and Load Balance
- E2 Flood Frequency Update for Middle Fork Red Dog Creek (Peratrovich, Nottingham & Drage Inc., 2002)
- E3 Red Dog Creek Rediversion Design Criteria & Plan (TCAK, 2004)
- E4 Assessment of Water Treatment Methods Applicable for Closure
- E5 Assessment of Methods for Managing Post-Closure Water Treatment Sludge

Supporting Document F: Reclamation and Revegetation

- F1 Mine Area Closure Options – Summary of the Cover Studies
- F2 Evaluation of Borrow Sources
- F3 Revegetation Plan for the Red Dog Mine (ABR, Inc., 2007)

Supporting Document G: Demolition

Demolition Cost Estimates (Denison Environmental Services, 2004)

Supporting Document H: Ecological Risks

Evaluation of Ecological Risk within the Ambient Air/Solid Waste Permit Boundary (Exponent, 2008)

Supporting Document I: Monitoring Plans

Red Dog Mine Waste Management, Reclamation and Closure Monitoring Plan

Supporting Document J: Cost Estimates

- J1 Red Dog Mine, Suspension Study, Waste Management Permitting Program Task L-04

- J2 Basis of Estimate - Closure Costs
- J3 Basis of Estimate - Post-Closure Costs



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Re: Red Dog Mine Waste Management Permit Application

Dear Mr. Pilon:

NANA Regional Corporation (NANA) has reviewed the application for a waste management permit for the Red Dog Mine and the Red Dog Mine Closure and Reclamation Plan, along with the associated supporting documents. NANA consents to the activities proposed in these documents, which include:

- Waste rock placed in the existing Main Waste Stockpile and Aqqaluk Pit;
- Tailings placed in the existing tailings storage facility;
- Inert solid waste placed in two landfills (located to the east of the tailings storage facility and within the Main Waste Stockpile);
- Monitoring as described in the Red Dog Mine Waste Management, Reclamation and Closure Monitoring Plan, which includes visual monitoring and monitoring of aquatic life, water quality, flow, groundwater and wildlife monitoring;
- Reclamation as described in the Red Dog Mine Closure and Reclamation Plan.

Please feel free to contact me should you have any questions or concerns.

Yours truly,


Marie N. Greene,
President/CEO