

January 19, 2008

Tom Chapple
Director – Air Quality
Alaska Department of Environmental Conservation
Division of Air and Water Quality
555 Cordova St.
Anchorage Alaska 99501

RE: Red Dog Fugitive Dust Update No. 11 – 4th Quarter 2007

Dear Mr. Chapple:

Please find enclosed Teck Cominco Alaska's (TCAK), Red Dog Mine Fugitive Dust Quarterly Update Report as described in Section 6 of the Memorandum of Understanding (MOU) between the Alaska Department of Environmental Conservation (ADEC) and TCAK. The report covers the period of October through December 2007.

1. Studies

Hi-Vol Sampling Study

The project plan for the comparison of Hi-Vol lead samples taken on the roof of the Personnel Accommodation Complex from 1992 to 1994 to current ambient concentration was submitted for review in August, and TCAK continues to work with ADEC to finalize the details of the project plan. Data collection using a Wedding Hi-Vol began on October 3rd and a third party audit of the system was conducted in December.

2. Ambient and Fugitive Monitoring

Total Suspended Particulate Ambient Air Monitoring

TCAK continues to monitor Total Suspended Particulates (TSP), airborne lead, and airborne zinc using Rupprecht & Patashnick 1400 AB TEOM ambient particulate monitors (TEOM) equipped with TSP Inlets and Automatic Cartridge Collection Units (ACCU). The monitoring results for lead, by quarter, are provided below. Note, unlike prior reports the data presented below have not been adjusted using the Hi-Vol correlation factor.

<p align="center">Table-1 Red Dog Mine Quarterly TSP Lead Concentration (R&P 1440AB TEOM Data)</p>						
	PAC TEOM Site			Tailings Dam TEOM Site		
	Average ($\mu\text{g}/\text{m}^3$)	Minimum ($\mu\text{g}/\text{m}^3$)	Maximum ($\mu\text{g}/\text{m}^3$)	Average ($\mu\text{g}/\text{m}^3$)	Minimum ($\mu\text{g}/\text{m}^3$)	Maximum ($\mu\text{g}/\text{m}^3$)
1 st Quarter 2005	0.7	0.07	2.4	0.3	0.07	0.8
2 nd Quarter 2005	0.6	0.02	2.4	0.2	0.02	0.5
3 rd Quarter 2005	0.3	0.01	2.0	0.1	0.01	0.6
4 th Quarter 2005	0.5	0.09	2.7	0.4	0.01	1.5
1 st Quarter 2006	0.9	0.06	6.1	0.4	0.01	1.3
2 nd Quarter 2006	0.4	0.05	1.8	0.1	<0.01	1.1
3 rd Quarter 2006	0.2	0.03	0.5	0.04	<0.01	0.3
4 th Quarter 2006	0.7	<0.01	3.4	0.2	<0.01	1.4
1 st Quarter 2007	0.7	<0.01	1.9	0.4	0.04	1.6
2 nd Quarter 2007	1.6	0.08	8.0	0.2	<0.01	1.2
3 rd Quarter 2007	0.4	0.05	1.8	0.1	<0.01	1.1

Vegetation Monitoring

ABR's field work for the 2007 season was completed in August. An electronic copy of their report entitled *Vegetation Impact Assessment and Monitoring Studies, Red Dog Mine, Alaska, Second Annual Report* has been included with this submittal.

3. Engineered Controls

Mine CSB Baghouse Installation

During the quarter work continued on completing the preliminary design and cost estimate for construction and installation of the proposed dust control system in the mine concentrate storage building (CSB). The primary component of the dust control system will be a 65,000 c.f.m. baghouse utilizing PTFE cartridge filters. The PTFE filters were determined during prior onsite testing to be effective within the high humidity environment of the Mine CSB. Additionally, TCAK is finalizing the review for air permit applicability requirements.

Alternative Concentrate Load-out System

Qualified bidders submitted proposal for conducting an evaluation of alternative concentrate load-out systems in the 4th quarter. The proposals were reviewed and a contract for the work was awarded in December. The successful bidder has begun the preliminary evaluation of alternative

load-out concepts, and should be providing those concepts to TCAK during the first quarter 2008.

If you have any questions, concerns, or require any additional information regarding this report, please contact Mr. Jim Kulas at 907-426-9129 / jim.kulas@teckcominco.com or Mr. Wayne Hall at 907-426-9259 / wayne.hall@teckcominco.com.

Sincerely,
Teck Cominco Alaska Incorporated

A handwritten signature in black ink that reads "John Egan for TCAK". The signature is written in a cursive style.

John Egan
Operations Superintendent

cc: R. Barr, NANA/Anchorage
P. Glavinovich, NANA/Anchorage