



TO:	David Harpley, CZN	Date:	July 7, 2011
C.C.:	Alan Taylor		
FROM:	Byard MacLean		334518
Subject:	EA0809-002 Undertaking No. 2		

At the request of the Mackenzie Valley Review Board, I have reviewed the concentrate haul and operating supplies transportation plan. Two minor revisions were made, neither of which increased the length of the haulage period (see Exhibit #1 – Transportation Schedule).

Exhibit #2 provides the detail of the concentrate haulage schedule and haulage fleet size based upon the base case of 30 tonnes of concentrate per truckload, and an average speed of 40 kph. Under these operating conditions, the CZN truck fleet will need 13 trucks in operation and the Contractor truck fleet will need 14 trucks in operation. If the average speed is reduced to 30 kph, then both fleets will require two additional operating trucks. Altering the speed has no affect on the amount of traffic on the access road.

The transportation plan is based upon concentrate loads of 30 tonnes. If the load is increased to 35 tonnes then both fleets will require two fewer operating trucks.

Exhibit #1 Transportation Schedule, Prairie Creek Mine, Canadian Zinc Corporation

30 tonne loads over the winter road

[illegible]

Exhibit 2: Transportation Schedule

Total distance		186	km	30 tonnes per load 40 kph	
Target Annual Production (tonnes)				120,000.00	
Target Annual Production (t) to Winter Storage				50,000.00	
Target Annual (t) mine site to Hwy Jct				70,000.00	Denotes Fleet Size @ 30 kph
Haul Between Mine Site and Tetcela					
Annual Number of Days in Operation				45.00	1 Dec Start date
Daily Throughput (tonnes/day)				1,112.00	
Truck Requirement (trucks/day)				37.07	
Required Truck Fleet (trucks)			CZN Fleet	12.82	15
Haul Between Tetcela and Liard Transfer Facility					
Annual Number of Days in Operation				45.00	14 January Start date
Daily Throughput (tonnes/day)				1,112.00	
Truck Requirement (trucks/day)				37.00	
Required Truck Fleet (trucks)			Contractor Fleet	13.88	16
Direct Haul Between Mine Site and Liard Transfer Facility					
Annual Number of Days in Operation				75.00	14 January start date
Daily Throughput (tonnes/day)				693.95	
Truck Requirement (trucks/day)				23.13	
Required Truck Fleet (trucks)			CZN Fleet	12.82	15
Direct Haul Between Mine Site and Liard Transfer Facility					
Annual Number of Days in Operation				30.00	6 March Start date
Daily Throughput (tonnes/day)				598.45	
Truck Requirement (trucks/day)				19.95	
Required Truck Fleet (trucks)			Contractor Fleet	11.05	16
Haul Between Liard Transfer Facility and Fort Nelson					
Annual Number of Days in Operation				250.00	
Daily Throughput (tonnes/day)				480.00	
Carrying Capacity of a Truck (tonnes/truck)	B-Train			43.00	
Required Truck Fleet (trucks)			Contractor Fleet	11.16	
Contractor Fleet	B-Train			5.41	