



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

					No	VC	De	ЭС	Ja	ın	Feb	N	1ar	Αŗ	r	Ma	/	Jun	,	July	Α	ug	Se	pt	Oct
Ice Bridge Open																									
Hwy 7 Load Restrictions (NWT + BC	S)																								
Construction Operations																									
Minesite to TTF																									
TTF to Ice Bridge																									
Ice Bridge Installation																									
	tonnes	trips/day	fleet size	~days																					
Haulage Operations: Concentrate																									
Mine site to TTF - CZN Fleet	50,000	37	13	45																					
TTF to LTF - Contractor	50,000	37	13	45																					
Minesite to LTF - CZN Fleet	56,000	21	13	75																					
Minesite to LTF - Contractor	14,000	16	9	30																					
LTF to Fort Nelson - Winter/Summer	120,000	12	7	240																					
Haulage Operations: Re-supply, Ft. Nelson to LTF to Mine site																									
Fuel	8,000	<2		75																					
Operating Supplies	15,000	8		75																					

Exhibit 2: Transportation Schedule

Exhibit 2. Transportation concaute	400			00	
Total distance	186	km			tonnes per load
Toward Annual Draduction (toward)					kph
Target Annual Production (tonnes)				120,000.00 50,000.00	
Target Annual Production (t) to Winter Storage					Denotes Floot Cine @ 20 kmb
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)	<u> </u>	C	ZN Fleet	12.82	15
Hard Dates on Tatasia and Lined Toronton Carilla					
Haul Between Tetcela and Liard Transfer Facility				45.00	4.4.
Annual Number of Days in Operation					14 January Start date
Daily Throughput (tonnes/day)				1,112.00	
Truck Requirement (trucks/day)				37.00	
Required Truck Fleet (trucks)		Contra	ctor Fleet	13.88	16
Direct Haul Between Mine Site and Liard Transfe	r 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)		C	ZN Fleet	12.82	15
Direct Haul Between Mine Site and Liard Transfe	r Engility				
Annual Number of Days in Operation	racility			20.00	6 March Start date
Daily Throughput (tonnes/day)				598.45	
Truck Requirement (trucks/day)				19.95	
		Contro	ctor Fleet	11.05	
Required Truck Fleet (trucks)		Contra	ctor Fleet	11.05	10
Haul Between Liard Transfer Facility and Fort Ne	elson				
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)		Contra	ctor Fleet	11.16	
Contractor Fleet	B-Train			5.41	
Contractor ricet	D-11aiii			3.41	l