

Guenard, Gislene TRAN:EX

From: Joe Mather [jmather@arrow.ca]
Sent: Saturday, February 19, 2011 8:24 AM
To: Monty, Jeff L TRAN:EX
Cc: Powers, Jill TRAN:EX; Lam, Samuel TRAN:EX; Lansing, Jan TRAN:EX; Farnden, Gary TRAN:EX; Dennis, Perry TRAN:EX; Haywood, Steven TRAN:EX
Subject: RE: Copper Mtn Mine

Thank you very much Jeff.

Much appreciated.

Best regards,

Joe Mather

General Manager - Mining & Aggregates
Arrow Transportation Systems Inc.
710 Laval Crescent
Kamloops, BC
V2C5P3

Office (250) 571-7762
Cellular (250) 682-0980

From: Monty, Jeff L TRAN:EX [<mailto:Jeff.Monty@gov.bc.ca>]
Sent: Friday, February 18, 2011 9:00 AM
To: Joe Mather
Cc: Powers, Jill TRAN:EX; Lam, Samuel TRAN:EX; Lansing, Jan TRAN:EX; Farnden, Gary TRAN:EX; Dennis, Perry TRAN:EX; Haywood, Steven TRAN:EX
Subject: Copper Mtn Mine

Hi Joe;

By way of this email, I wish to confirm that the Ministry accepts your submission of 9 axle design for maximum GVW of 72,300 kgs on the prescribed route from Copper Mtn to Vancouver Wharves. Also, to confirm that the term permit per unit will be \$100 per month or \$1200 per year per unit. Sam, Jill, Jan, and I look forward to working with you in similar projects in the near future.

Yours truly,

Jeffrey Monty, RPF
Manager, Commercial Transport
Commercial Vehicle Safety and Enforcement
Ministry of Transportation and Infrastructure
250-953-4017
PO Box 9250 Stn Prov Govt
Victoria, BC, V8W 9J2

email: jeff.monty@gov.bc.ca

Guenard, Gislene TRAN:EX

From: Lam, Samuel TRAN:EX
Sent: Wednesday, February 9, 2011 8:51 AM
To: Farnden, Gary TRAN:EX
Cc: 'Joe Mather'; Monty, Jeff L TRAN:EX; Nguyen, Nam TRAN:EX; Lansing, Jan TRAN:EX; Powers, Jill TRAN:EX
Subject: RE: Copper Mountain Ore Haul- Bridge Review

Thanks Gary. Now they can move onto permitting portion of the request.

Since the new trailers will not be completed their fabrication and certification until mid April, 2011, this will allow us time to get the permits in place for them.

Samuel F. Lam, P.Eng.,
Senior Vehicle Engineer

Commercial Vehicle Safety
and Enforcement Branch
Highway Operations Division
Ministry of Transportation
Mailing: P.O. Box 9250 Stn. Prov. Govt.
Victoria, BC V8W 9J2
Courier: 3rd Fl., Quad A, 940 Blanshard Street
Victoria, BC V8W 3E6

Tel: (250) 953-4025
Fax: (250) 952-0578
Cell: (250) 889-3432
Email: samuel.lam@gov.bc.ca

Web site: <http://www.th.gov.bc.ca/cvse/>

From: Farnden, Gary TRAN:EX
Sent: Wednesday, February 9, 2011 8:38 AM
To: Lam, Samuel TRAN:EX
Cc: 'Joe Mather'
Subject: Copper Mountain Ore Haul- Bridge Review

<< File: 0003-7113.pdf >>

Sam

We have reviewed Arrows request to use the enclosed 72.3tonne GVW 9 axle B Train west bound only on highways 3 and 1 from near Manning Park Eastgate to Main Street westbound exit from Hwy 1 in North Vancouver.

The bridges on the route and in this direction of travel can safety support the weight of this configuration.

Gary Farnden
Senior Bridge Rehabilitation Standards Engineer

Guenard, Gislene TRAN:EX

From: Joe Mather [jmather@arrow.ca]
Sent: Tuesday, February 1, 2011 12:13 PM
To: Farnden, Gary TRAN:EX; Lam, Samuel TRAN:EX
Subject: RE: Copper Mountain Ore Haul bridge review-status

Thank you very much Gary, really appreciate all the work you and your team have done on this project.

Best regards,

Joe Mather

General Manager - Mining & Aggregates
Arrow Transportation Systems Inc.
710 Laval Crescent
Kamloops, BC
V2C5P3

Office (250) 571-7762
Cellular (250) 682-0980

From: Farnden, Gary TRAN:EX [<mailto:Gary.Farnden@gov.bc.ca>]
Sent: Tuesday, February 01, 2011 11:31 AM
To: Joe Mather; Lam, Samuel TRAN:EX
Subject: Copper Mountain Ore Haul bridge review-status

Sam, Joe

We have completed one pass reviewing the capability of bridges on the route to safely carry the proposed ore trucks and have not found any issues standing in our way at this point. This work needs to be checked. We will free someone up from doing regular overload permit evaluations in a couple of days. If things go well we could have a final answer as early as end of the week, or early next week.

Gary

Guenard, Gislene TRAN:EX

From: Monty, Jeff L TRAN:EX
Sent: Friday, February 18, 2011 9:00 AM
To: 'Joe Mather'
Cc: Powers, Jill TRAN:EX; Lam, Samuel TRAN:EX; Lansing, Jan TRAN:EX; Farnden, Gary TRAN:EX; Dennis, Perry TRAN:EX; Haywood, Steven TRAN:EX
Subject: Copper Mtn Mine

Hi Joe;

By way of this email, I wish to confirm that the Ministry accepts your submission of 9 axle design for maximum GVW of 72,300 kgs on the prescribed route from Copper Mtn to Vancouver Wharves. Also, to confirm that the term permit per unit will be \$100 per month or \$1200 per year per unit. Sam, Jill, Jan , and I look forward to working with you in similar projects in the near future.

Yours truly,

*Jeffrey Monty, RPF
Manager, Commercial Transport
Commercial Vehicle Safety and Enforcement
Ministry of Transportation and Infrastructure
250-953-4017
PO Box 9250 Stn Prov Govt
Victoria, BC, V8W 9J2*

email: jeff.monty@gov.bc.ca

From: Farnden, Gary TRAN:EX
Sent: Wednesday, February 9, 2011 8:38 AM
To: Lam, Samuel TRAN:EX
Cc: 'Joe Mather'
Subject: Copper Mountain Ore Haul- Bridge Review



0003-7113.pdf

Sam

We have reviewed Arrows request to use the enclosed 72.3tonne GVW 9 axle B Train west bound only on highways 3 and 1 from near Manning Park Eastgate to Main Street westbound exit from Hwy 1 in North Vancouver.

The bridges on the route and in this direction of travel can safety support the weight of this configuration.

Gary Farnden
Senior Bridge Rehabilitation Standards Engineer
Engineering Branch

Page 6 redacted for the following reason:

S21

From: Farnden, Gary TRAN:EX
Sent: Tuesday, February 1, 2011 11:31 AM
To: 'Joe Mather'; Lam, Samuel TRAN:EX
Subject: Copper Mountain Ore Haul bridge review-status

Sam, Joe

We have completed one pass reviewing the capability of bridges on the route to safely carry the proposed ore trucks and have not found any issues standing in our way at this point. This work needs to be checked. We will free someone up from doing regular overload permit evaluations in a couple of days. If things go well we could have a final answer as early as end of the week, or early next week.

Gary

From: Monty, Jeff L TRAN:EX
Sent: Friday, January 21, 2011 9:51 AM
To: Lam, Samuel TRAN:EX
Subject: Arrow - Copper Mountain

Hi Sam;

Pls let me know when you have signed off on their proposed configuration.

Thanks

*Jeffrey Monty, RPF
Manager, Commercial Transport
Commercial Vehicle Safety and Enforcement
Ministry of Transportation and Infrastructure
250-953-4017
PO Box 9250 Stn Prov Govt
Victoria, BC, V8W 9J2*

email: jeff.monty@gov.bc.ca

Guenard, Gislene TRAN:EX

From: Monty, Jeff L TRAN:EX
Sent: Friday, January 21, 2011 11:21 AM
To: Lam, Samuel TRAN:EX
Subject: RE: Arrow - Copper Mountain

Have you advised Arrow of such?

*Jeffrey Monty, RPF
Manager, Commercial Transport
Commercial Vehicle Safety and Enforcement
Ministry of Transportation and Infrastructure
250-953-4017
PO Box 9250 Stn Prov Govt
Victoria, BC, V8W 9J2*

email: jeff.monty@gov.bc.ca

From: Lam, Samuel TRAN:EX
Sent: Friday, January 21, 2011 10:53 AM
To: Monty, Jeff L TRAN:EX
Subject: RE: Arrow - Copper Mountain

Jeff,

Arrow needs to provide us with the following:

- Overall width dimensions;
- tire sizes; and
- axle weights for all the axle groups.

Their submitted drawings so far were incomplete.

I raised the load weight bias issue and will wait for their weight out test when the trailers are completed. As discussed, I hope there will not be a loadability issue in the future (the ability for them to achieve the maximum axle weights as intended). As it stands now, their trailers' air suspension must be work faultlessly to balance out the load.

Samuel F. Lam, P.Eng.,
Senior Vehicle Engineer

Commercial Vehicle Safety
and Enforcement Branch
Highway Operations Division
Ministry of Transportation
Mailing: P.O. Box 9250 Stn. Prov. Govt.
Victoria, BC V8W 9J2
Courier: 3rd Fl., Quad A, 940 Blanshard Street
Victoria, BC V8W 3E6

Tel: (250) 953-4025
Fax: (250) 952-0578

Cell: (250) 889-3432
Email: samuel.lam@gov.bc.ca

Web site: <http://www.th.gov.bc.ca/cvse/>

From: Monty, Jeff L TRAN:EX
Sent: Friday, January 21, 2011 9:51 AM
To: Lam, Samuel TRAN:EX
Subject: Arrow - Copper Mountain

Hi Sam;

Pls let me know when you have signed off on their proposed configuration.

Thanks

*Jeffrey Monty, RPF
Manager, Commercial Transport
Commercial Vehicle Safety and Enforcement
Ministry of Transportation and Infrastructure
250-953-4017
PO Box 9250 Stn Prov Govt
Victoria, BC, V8W 9J2*

email: jeff.monty@gov.bc.ca

Guenard, Gislene TRAN:EX

From: Monty, Jeff L TRAN:EX
Sent: Friday, January 21, 2011 11:42 AM
To: Lam, Samuel TRAN:EX
Subject: RE: Arrow - Copper Mountain

Absolutely. I am only acting as the coordinator. No the subject matter expert.

*Jeffrey Monty, RPF
Manager, Commercial Transport
Commercial Vehicle Safety and Enforcement
Ministry of Transportation and Infrastructure
250-953-4017
PO Box 9250 Stn Prov Govt
Victoria, BC, V8W 9J2*

email: jeff.monty@gov.bc.ca

From: Lam, Samuel TRAN:EX
Sent: Friday, January 21, 2011 11:38 AM
To: Monty, Jeff L TRAN:EX
Subject: RE: Arrow - Copper Mountain

Yes, I will.

Unless you know everything about vehicle dynamics and vehicle configurations and their parameters, it will be better for me to handle this portion of the project directly with client. We can talk about that next Tuesday.

Samuel

From: Monty, Jeff L TRAN:EX
Sent: Friday, January 21, 2011 11:21 AM
To: Lam, Samuel TRAN:EX
Subject: RE: Arrow - Copper Mountain

Have you advised Arrow of such?

*Jeffrey Monty, RPF
Manager, Commercial Transport
Commercial Vehicle Safety and Enforcement
Ministry of Transportation and Infrastructure
250-953-4017
PO Box 9250 Stn Prov Govt
Victoria, BC, V8W 9J2*

email: jeff.monty@gov.bc.ca

From: Lam, Samuel TRAN:EX
Sent: Friday, January 21, 2011 10:53 AM

To: Monty, Jeff L TRAN:EX
Subject: RE: Arrow - Copper Mountain

Jeff,

Arrow needs to provide us with the following:

- Overall width dimensions;
- tire sizes; and
- axle weights for all the axle groups.

Their submitted drawings so far were incomplete.

I raised the load weight bias issue and will wait for their weight out test when the trailers are completed. As discussed, I hope there will not be a loadability issue in the future (the ability for them to achieve the maximum axle weights as intended). As it stands now, their trailers' air suspension must be work faultlessly to balance out the load.

Samuel F. Lam, P.Eng.,
Senior Vehicle Engineer

Commercial Vehicle Safety
and Enforcement Branch
Highway Operations Division
Ministry of Transportation
Mailing: P.O. Box 9250 Stn. Prov. Govt.
Victoria, BC V8W 9J2
Courier: 3rd Fl., Quad A, 940 Blanshard Street
Victoria, BC V8W 3E6

Tel: (250) 953-4025
Fax: (250) 952-0578
Cell: (250) 889-3432
Email: samuel.lam@gov.bc.ca

Web site: <http://www.th.gov.bc.ca/cvse/>

From: Monty, Jeff L TRAN:EX
Sent: Friday, January 21, 2011 9:51 AM
To: Lam, Samuel TRAN:EX
Subject: Arrow - Copper Mountain

Hi Sam;

Pls let me know when you have signed off on their proposed configuration.

Thanks

Jeffrey Monty, RPF
Manager, Commercial Transport
Commercial Vehicle Safety and Enforcement
Ministry of Transportation and Infrastructure
250-953-4017

PO Box 9250 Stn Prov Govt
Victoria, BC, V8W 9J2

email: jeff.monty@gov.bc.ca

Pages 14 through 15 redacted for the following reasons:

21
S21

**Extraordinary Loads
CVSE Approval Request**

Company Name and Contact Information Arrow Transportation Systems Inc

Phone: 250-571-7762

Fax: 250-374-0250

Email: jmather@arrow.ca

Contact Person: Joe Mather

Description of the Load Being Hauled (ie. Cat D10 Dozer)

Commodity: Copper Concentrate

Number of Loads: 3,627 on 9 axle at 72,300 kgs verses 4,405 using 8 axles at 63,500 kgs

Proposed Route of Travel

Exact Starting Location (A) kilometre 84.5 of hwy #3 (Hope/Princeton)

Exact Ending Location (B): Kinder Morgan Terminal 1995 West First Ave, North Vancouver

All Roads and Highways Between A and B: Hwy3, to hwy 3 & 5 near Hope to Trans Canada hwy 1 accross
Second Narrows bridge exiting onto Main St. West on Main, Low Level Rd, Esplanade to 3rd. St W the W
on 1st Street West.

Proposed Date of Travel: Hauling Starts June 1, 2011

Schematic of Vehicle and Load (attach a separate page if required)

- *Your drawing should include all **axle spacings, axle weights, tire sizes, overall length, overall width** and **overall height** in **metric measurements** only.*

Requests can be sent to the Commercial Transport Branch in Victoria by fax or email:

Fax: (250)952-0578 | Email: Commercial.Transport@gov.bc.ca



LETTER OF AUTHORIZATION

File: 18070

June 15, 2011

Mr. Joe Mather
General Manager – Mining and Aggregates
Arrow Transportation Systems Inc.
710 Laval Crescent
Tel: (250) 571 7762
Fax: (250) 682 0980
Email: jmather@arrow.ca

Dear Mr. Mather:

Re: Use of 5 super B train configurations with Copper Concentrate -max GVW 72 300 kg each

This Letter of Authorization (the Letter) allows **Arrow Transportation Systems Inc.** to operate the five (5) truck-tractor B train units listed below, with GVW of 72 300 kg on each configuration, on the specific British Columbia provincial highway routes described below using appropriate permits.

1. This authorization applies only to the trucks (and trailers) listed below:

Tractors

1)	Western Star	Year 2012	model 4900FA tri-Drive	VIN 5KJRAEDR5CPBH5321
2)	Western Star	Year 2012	model 4900FA tri-Drive	VIN 5KJRAEDR7CPBH5322
3)	Western Star	Year 2012	model 4900FA tri-Drive	VIN 5KJRAEDR9CPBH5323
4)	Western Star	Year 2012	model 4900FA tri-Drive	VIN 5KJRAEDR0CPBH5324
5)	Western Star	Year 2012	model 4900FA tri-Drive	VIN 5KJRAEDR2CPBH5325
6)	Western Star	Year 2012	model 4900FA tri-Drive	VIN 5KJRAEDR4CPBH5326

Universal Chassis Side Dump Boxes - Model Year 2012 – Make Tycrop

#1	Lead	2T9YAANC2CD016839
	Pup	2T9YBAKB8CD016840
#2	Lead	2T9YAANC0CD016841
	Pup	2T9YBAKB1CD016842
#3	Lead	2T9YAANC4CD016843
	Pup	2T9YBAKB5CD016844

.../2

#4 Lead 2T9YAANC8CD016845
 Pup 2T9YBAKB9CD016846

#5 Lead 2T9YAANC1CD016847
 Pup 2T9YBAKB2CD016848

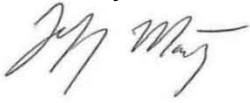
2. The haul units and trailers described above must be properly licensed and insured, and operated within all applicable rules and regulations in the province of British Columbia, and adhering to all applicable requirements as stated in the British Columbia Commercial Transport Regulations, and any other allowances granted by a permit approval for a specific trip as shown below.
3. The authorized routes are as follows:

1) Leave Copper Mtn Mine, travel North on Copper Ntn Mine Road	21 km
2) Take the 1st left onto Bridge St	240 m
3) Continue straight onto Princeton-Kamloops Hwy/BC-5 Alt S	76 m
4) Turn right onto Crowsnest Hwy/BC-3 W (signs for Vancouver)	126 km
5) Keep left at the fork, follow signs for BC-3 W/Crowsnest Highway/Hope and merge onto BC-3 W	71m
6) Continue onto BC-1 W	147 km
7) Take exit 23A for Main Street	450 m
8) Merge onto Main St	750 m
9) Continue onto Cotton Dr	750 m
10) Continue onto E 3 St	3.5 km
11) Slight left onto W 2 St	170 m
12) Continue onto W 1 St	1.2 km
13) Turn left onto Pemberton Ave	500 m
4. Except as described in this Letter, no other exceptions to the *Commercial Transport Act or Regulations* are expressed or implied. If the vehicle or combination is found operating contrary to this Letter, the Letter will be cancelled immediately.
5. The driver or operator of the vehicles described above must carry the original or a copy of this Letter at all times when the vehicle combination is operated on a highway and have it available to present to an enforcement official.
6. **British Columbia Commercial Transport Permit(s)** must be purchased or modified for the prescribed vehicle combinations prior to any operation of the combinations on British Columbia's highways. The issuance of term over weight permits is authorized.
7. This Letter is not transferable to another party or vehicle.
8. If, in the opinion of the Minister, or any person authorized by the Minister, the operation of the vehicle combinations described above is found to pose a safety risk or cause damage to the highway, this Letter may be suspended or canceled. It shall be sufficient if such notice is given verbally to the person owning, driving, or operating the vehicle combination; no formal notice of suspension is required.
9. This Letter is effective from its issue date and will expire after **June 2, 2016**.

.../3

10. Dated this 15th day of June, 2011, at Victoria, British Columbia.

Yours truly,



Jeffrey Monty RPF
Manager, Commercial Transport

Attachments: CVSE Form T-53
Three CVSE Form T-61's, covering Leg 1, Leg 2 and Leg 3 separately.

cc: Pacific VIS, Laidlaw VIS, Hunter Creek VIS, Haig VIS, Prince George VIS
Kamloops W/B VIS, Kamloops E/B VIS, Quesnel VIS
Dawson Creek PPC

...

Pages 21 through 39 redacted for the following reasons:

S21