

**From:** [Julian Morse](#)  
**To:** [screeningofficer@eastarm.com](mailto:screeningofficer@eastarm.com); "Stephen Ellis"; [jbrennan@yellowknife.ca](mailto:jbrennan@yellowknife.ca); [rlong@yellowknife.ca](mailto:rlong@yellowknife.ca); [lmandeville@denenation.com](mailto:lmandeville@denenation.com); [Caroic.lands@gmail.com](mailto:Caroic.lands@gmail.com); [imadenegurl@hotmail.com](mailto:imadenegurl@hotmail.com); [dkfn@live.com](mailto:dkfn@live.com); [Rick.Walbourne@dfo-mpo.gc.ca](mailto:Rick.Walbourne@dfo-mpo.gc.ca); [Sao\\_enterprise@northwestel.net](mailto:Sao_enterprise@northwestel.net); [ec.ea.nwt@ec.gc.ca](mailto:ec.ea.nwt@ec.gc.ca); [Frmc53@yahoo.ca](mailto:Frmc53@yahoo.ca); [Caroic.lands@gmail.com](mailto:Caroic.lands@gmail.com); [fortsmithmetiscouncil@northwestel.net](mailto:fortsmithmetiscouncil@northwestel.net); [rcc.nwtmn@northwestel.net](mailto:rcc.nwtmn@northwestel.net); [Gnwt\\_ea@gov.nt.ca](mailto:Gnwt_ea@gov.nt.ca); [Rhonda\\_Batchelor@gov.nt.ca](mailto:Rhonda_Batchelor@gov.nt.ca); [Patrick\\_Clancy@gov.nt.ca](mailto:Patrick_Clancy@gov.nt.ca); [Duane\\_Fleming@gov.nt.ca](mailto:Duane_Fleming@gov.nt.ca); "Amy Lizotte"; [Mark\\_Davy@gov.nt.ca](mailto:Mark_Davy@gov.nt.ca); "Glen MacKay"; [hrcm@northwestel.net](mailto:hrcm@northwestel.net); [intergov@aandc.gc.ca](mailto:intergov@aandc.gc.ca); [norrisa@aandc.gc.ca](mailto:norrisa@aandc.gc.ca); [consultationsupportunit@aandc.gc.ca](mailto:consultationsupportunit@aandc.gc.ca); [james.lawrance@aandc.gc.ca](mailto:james.lawrance@aandc.gc.ca); [julian.kanigan@aandc.gc.ca](mailto:julian.kanigan@aandc.gc.ca); [krystal.thompson@aandc.gc.ca](mailto:krystal.thompson@aandc.gc.ca); [scott.stewart@aandc.gc.ca](mailto:scott.stewart@aandc.gc.ca); "Charlene Coe"; [Robert.Jenkins@aandc.gc.ca](mailto:Robert.Jenkins@aandc.gc.ca); [nathen.richea@aandc.gc.ca](mailto:nathen.richea@aandc.gc.ca); [CAU-UCA@aandc.gc.ca](mailto:CAU-UCA@aandc.gc.ca); "Victoria St Jean"; [doraenzoe@yahoo.ca](mailto:doraenzoe@yahoo.ca); [saolkdfn@gmail.com](mailto:saolkdfn@gmail.com); [lkdfnlands@gmail.com](mailto:lkdfnlands@gmail.com); [ww.symbion@shawbiz.ca](mailto:ww.symbion@shawbiz.ca); [permits@mvlwb.com](mailto:permits@mvlwb.com); [enviromgr@nsma.net](mailto:enviromgr@nsma.net); [matthew.spence@cannor.gc.ca](mailto:matthew.spence@cannor.gc.ca); "Kate Witherly"; "Tim Heron"; "Mike Willett"; "Brent Jones"; [dscott@tamerlaneventures.com](mailto:dscott@tamerlaneventures.com); "Francois Landry"; "Keith Bergner"; [ceo@srfn195.com](mailto:ceo@srfn195.com); [rrobillard@pagc.sk.ca](mailto:rrobillard@pagc.sk.ca); [tgiroux@pagc.sk.ca](mailto:tgiroux@pagc.sk.ca); [c\\_heron@smithlanding.com](mailto:c_heron@smithlanding.com); [bblack@fortsmith.ca](mailto:bblack@fortsmith.ca); [mrichardson@hayriver.com](mailto:mrichardson@hayriver.com); [susan.abernethy@wscc.nt.ca](mailto:susan.abernethy@wscc.nt.ca); [wfpn@northwestel.net](mailto:wfpn@northwestel.net); [environment@ykdene.com](mailto:environment@ykdene.com); [tslack@ykdene.com](mailto:tslack@ykdene.com); [esangris@ykdene.com](mailto:esangris@ykdene.com); [ttsetta@ykdene.com](mailto:ttsetta@ykdene.com)  
**Cc:** "Amanda Gauthier"; "Rebecca Chouinard"; "John Donihee"  
**Subject:** RE: MV2006L2-0003/MV2011C0015 - Tamerlane Ventures Inc. - Undertakings  
**Date:** Friday, February 03, 2012 9:16:48 AM  
**Attachments:** [Tamerlane Undertakings.pdf](#)

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Hello,

Attached you will find Tamerlane's undertakings from the January 26, 2012 Public Hearing.

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

### Julian Morse

Regulatory Officer

Mackenzie Valley Land and Water Board

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**From:** Julian Morse [mailto:[jmorse@mvlwb.com](mailto:jmorse@mvlwb.com)]

**Sent:** Thursday, February 02, 2012 2:41 PM

**To:** 'screeningofficer@eastarm.com'; 'Stephen Ellis'; 'jbrennan@yellowknife.ca'; 'rlong@yellowknife.ca'; 'lmandeville@denenation.com'; 'Caroic.lands@gmail.com'; 'imadenegurl@hotmail.com'; 'dkfn@live.com'; 'Rick.Walbourne@dfo-mpo.gc.ca'; 'Sao\_enterprise@northwestel.net'; 'ec.ea.nwt@ec.gc.ca'; 'Frmc53@yahoo.ca'; 'Caroic.lands@gmail.com'; 'fortsmithmetiscouncil@northwestel.net'; 'rcc.nwtmn@northwestel.net'; 'Gnwt\_ea@gov.nt.ca'; 'Rhonda\_Batchelor@gov.nt.ca'; 'Patrick\_Clancy@gov.nt.ca'; 'Duane\_Fleming@gov.nt.ca'; 'Amy Lizotte'; 'Mark\_Davy@gov.nt.ca'; 'Glen MacKay'; 'hrcm@northwestel.net'; 'intergov@aandc.gc.ca'; 'norrisa@aandc.gc.ca'; 'consultationsupportunit@aandc.gc.ca'; 'james.lawrance@aandc.gc.ca'; 'julian.kanigan@aandc.gc.ca'; 'krystal.thompson@aandc.gc.ca'; 'scott.stewart@aandc.gc.ca'; 'Charlene Coe'; 'Robert.Jenkins@aandc.gc.ca'; 'nathen.richea@aandc.gc.ca'; 'CAU-UCA@aandc.gc.ca'; 'Victoria St Jean'; 'doraenzoe@yahoo.ca'; 'saolkdfn@gmail.com'; 'lkdfnlands@gmail.com'; 'ww.symbion@shawbiz.ca'; 'permits@mvlwb.com'; 'enviromgr@nsma.net'; 'matthew.spence@cannor.gc.ca'; 'Kate Witherly'; 'Tim Heron'; 'Mike Willett'; 'Brent Jones'; 'dscott@tamerlaneventures.com'; 'Francois Landry'; 'Keith Bergner (kbergner@lawsonlundell.com)'; 'ceo@srfn195.com'; 'rrobillard@pagc.sk.ca'; 'tgiroux@pagc.sk.ca'; 'c\_heron@smithlanding.com'; 'bblack@fortsmith.ca'; 'mrichardson@hayriver.com';

'susan.abernethy@wscc.nt.ca'; 'wpfn@northwestel.net'; 'environment@ykdene.com';  
'tslack@ykdene.com'; 'esangris@ykdene.com'; 'ttsetta@ykdene.com'  
**Cc:** 'Amanda Gauthier'; 'Rebecca Chouinard'; 'John Donihee'  
**Subject:** RE: MV2006L2-0003/MV2011C0015 - Tamerlane Ventures Inc. - DKFN Closing Comments

Hi All,

Following up from the January 26<sup>th</sup> Public Hearing for Tamerlane Ventures Inc., Deninu Kue First Nation have submitted their closing comments in writing. The document is attached. Tamerlane's closing comments are due Monday, February 6, 2012.

If you have any questions or concerns, please feel free to contact me.

**Julian Morse**

Regulatory Officer

Mackenzie Valley Land and Water Board

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**From:** Julian Morse [<mailto:jmorse@mvlwb.com>]

**Sent:** Tuesday, January 31, 2012 5:00 PM

**To:** 'screeningofficer@eastarm.com'; 'Stephen Ellis'; 'jbrennan@yellowknife.ca'; 'rlong@yellowknife.ca'; 'lmandeville@denenation.com'; 'Carolc.lands@gmail.com'; 'imadenegurl@hotmail.com'; 'dkfn@live.com'; 'Rick.Walbourne@dfo-mpo.gc.ca'; 'Sao\_enterprise@northwestel.net'; 'ec.ea.nwt@ec.gc.ca'; 'Frmc53@yahoo.ca'; 'Carolc.lands@gmail.com'; 'fortsmithmetiscouncil@northwestel.net'; 'rrc.nwtmn@northwestel.net'; 'Gnwt\_ea@gov.nt.ca'; 'Rhonda\_Batchelor@gov.nt.ca'; 'Patrick\_Clancy@gov.nt.ca'; 'Duane\_Fleming@gov.nt.ca'; 'Amy Lizotte'; 'Mark\_Davy@gov.nt.ca'; 'Glen MacKay'; 'hrmc@northwestel.net'; 'intergov@aandc.gc.ca'; 'norrisa@aandc.gc.ca'; 'consultationsupportunit@aandc.gc.ca'; 'james.lawrance@aandc.gc.ca'; 'julian.kanigan@aandc.gc.ca'; 'krystal.thompson@aandc.gc.ca'; 'scott.stewart@aandc.gc.ca'; 'Charlene Coe'; 'Robert.Jenkins@aandc.gc.ca'; 'nathen.richea@aandc.gc.ca'; 'CAU-UCA@aandc.gc.ca'; 'Victoria St Jean'; 'doraenzoe@yahoo.ca'; 'saolkdfn@gmail.com'; 'lkdfnlands@gmail.com'; 'ww.symbion@shawbiz.ca'; 'permits@mvlwb.com'; 'enviromgr@nsma.net'; 'matthew.spence@cannor.gc.ca'; 'Kate Witherly'; 'Tim Heron'; 'Mike Willett'; 'Brent Jones'; 'dscott@tamerlaneventures.com'; 'Francois Landry'; 'Keith Bergner ([kbergner@lawsonlundell.com](mailto:kbergner@lawsonlundell.com))'; 'ceo@srfn195.com'; 'rroillard@pagc.sk.ca'; 'tgiroux@pagc.sk.ca'; 'c\_heron@smithlanding.com'; 'bblack@fortsmith.ca'; 'mrichardson@hayriver.com'; 'susan.abernethy@wscc.nt.ca'; 'wpfn@northwestel.net'; 'environment@ykdene.com'; 'tslack@ykdene.com'; 'esangris@ykdene.com'; 'ttsetta@ykdene.com'

**Cc:** 'Amanda Gauthier'; 'Rebecca Chouinard'

**Subject:** MV2006L2-0003/MV2011C0015 - Tamerlane Ventures Inc. - Public Hearing Transcript

Hello,

The transcript of the January 26, 2012 Public Hearing for Tamerlane Ventures Inc. in Fort Resolution is now posted to the registry and available for viewing online. You can find it at the following link:

<http://www.mvlwb.ca/mv/Registry/2006/MV2006L2-0003/2012%20Public%20Hearing/MV2006L2-0003%20-%20Transcripts%20-%20Jan31-12.pdf>

If you have any questions, please feel free to contact me.

**Julian Morse**

Regulatory Officer

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**From:** Julian Morse [<mailto:jmorse@mvlwb.com>]

**Sent:** Friday, January 27, 2012 4:42 PM

**To:** 'screeningofficer@eastarm.com'; 'Stephen Ellis'; 'jbrennan@yellowknife.ca'; 'rlong@yellowknife.ca'; 'lmandeville@denenation.com'; 'Carolc.lands@gmail.com'; 'imadenegurl@hotmail.com'; 'dkfn@live.com'; 'Rick.Walbourne@dfo-mpo.gc.ca'; 'Sao\_enterprise@northwestel.net'; 'ec.ea.nwt@ec.gc.ca'; 'Frmc53@yahoo.ca'; 'Carolc.lands@gmail.com'; 'fortsmithmetiscouncil@northwestel.net'; 'rrc.nwtmn@northwestel.net'; 'Gnwt\_ea@gov.nt.ca'; 'Rhonda\_Batchelor@gov.nt.ca'; 'Patrick\_Clancy@gov.nt.ca'; 'Duane\_Fleming@gov.nt.ca'; 'Amy Lizotte'; 'Mark\_Davy@gov.nt.ca'; 'Glen MacKay'; 'hrmc@northwestel.net'; 'intergov@aandc.gc.ca'; 'norrisa@aandc.gc.ca'; 'consultationsupportunit@aandc.gc.ca'; 'james.lawrance@aandc.gc.ca'; 'julian.kanigan@aandc.gc.ca'; 'krystal.thompson@aandc.gc.ca'; 'scott.stewart@aandc.gc.ca'; 'Charlene Coe'; 'Robert.Jenkins@aandc.gc.ca'; 'nathen.richea@aandc.gc.ca'; 'CAU-UCA@aandc.gc.ca'; 'Victoria St Jean'; 'doraenzoe@yahoo.ca'; 'saolkdfn@gmail.com'; 'lkdfnlands@gmail.com'; 'ww.symbion@shawbiz.ca'; 'permits@mvlwb.com'; 'enviromgr@nsma.net'; 'matthew.spence@cannor.gc.ca'; 'Kate Witherly'; 'Tim Heron'; 'Mike Willett'; 'Brent Jones'; 'dscott@tamerlaneventures.com'; 'Francois Landry'; 'Keith Bergner ([kbergner@lawsonlundell.com](mailto:kbergner@lawsonlundell.com))'; 'ceo@srfn195.com'; 'rrobillard@pagc.sk.ca'; 'tgiroux@pagc.sk.ca'; 'c\_heron@smithlanding.com'; 'bblack@fortsmith.ca'; 'mrichardson@hayriver.com'; 'susan.abernethy@wscc.nt.ca'; 'wpfn@northwestel.net'; 'environment@ykdene.com'; 'tslack@ykdene.com'; 'esangris@ykdene.com'; 'ttsetta@ykdene.com'

**Cc:** 'Amanda Gauthier'; 'Rebecca Chouinard'; 'John Donihee'; 'Zabey Nevitt'

**Subject:** MV2006L2-0003/MV2011C0015 - Tamerlane Ventures Inc. - Updated Workplan and Due Dates

Hello Everyone,

Thank you to everyone who participated in yesterday's Public Hearing for Tamerlane Ventures Inc.'s applications for Land Use Permit and amendment to Water License. Please see for your information, the attached updated **workplan**, which contains several new dates of note.

As discussed during the Hearing, closing comments from DKFN will be due on **February 2, 2012**. Closing comments from Tamerlane will be due on **February 6, 2012**.

Four undertakings resulted from the hearing, which will be due on **February 2, 2012**. All the

undertakings are for Tamerlane. They are as follows: (Please note that for actual wording, you will need to see the transcripts, which should be available early next week).

Undertaking # 1: Data on explosives

Undertaking # 2: Diesel fuel quantity

Undertaking # 3: Describe crushing process in writing

Undertaking # 4: Provide list of documentation

If you have any questions or concerns, please feel free to contact me.

**Julian Morse**

Regulatory Officer

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Feb 2, 2011

Mackenzie Valley Land and Water Board  
Box 2130  
7<sup>th</sup> Floor – 4922 48<sup>th</sup> Street  
Yellowknife, NT  
X1A 2P6

Attention: Julian Morse, MVLWB Regulatory Officer

Dear Julian

**Re: Pine Point Pilot Project – Application for amendment to current Water Licence and update current Land Use Permit to a New Land Use Permit**

**Responses to Undertakings 1 through 4, Hearing Held in Fort Resolution on January 26, 2012**

As per the Hearing Transcripts received on January 31, 2011 from the MVLWB, please find information relative to the undertakings that were the result of the January 26, 2012 hearing.

**Undertaking # 1: Tamerlane to provide exact data pertaining to the time it will take to construct the portal/decline access to the ore body, compared to the time it will take to construct the shaft access to the ore body**

The overall time for the construction of the portal/decline access to the ore body is not materially different from the overall time for the construction of the shaft access to the ore body. If anything the overall time for the construction of the shaft access to the ore body is slightly higher. Tamerlane estimates that it would take approximately 395 days to construct the portal/decline access to the orebody, compared to approximately 550 days to construct the shaft access to the orebody. As noted in the TMCC memorandum dated 16 April 2011 (attached to the application), the change from shaft access to portal/decline access results in an "overall schedule reduction as compared to baseline [shaft access], decrease of 155 days." (TMCC memorandum, page 4 of 6)

A portion of this overall construction time (for either option) is the number of days required for blasting. As discussed during the oral hearing, the number of days blasting for a portal/decline access is approximately 187, while the number of days blasting for shaft access is approximately 62. (See page 38 of the Transcript.)

**Undertaking # 2: Tamerlane to indicate how much more diesel fuel and oil will be required as a consequence of not using the conveyor belt.**

Tamerlane understands the reference to be referring to the "vertical conveyer", which is the means by which ore would be brought to the surface if the ore body is accessed by shaft.

As discussed during the oral hearing, use of a portal/decline would require two additional trucks with a third as a backup. (See Transcript, page 42.)

Accordingly, the additional diesel fuel consumption is approximately 1,750 litres per day. Additional oil consumption could range from 8 to 10 litres per day.

The above estimates are based on the following calculation.

The average consumption of the haulage truck is 67 liters per hour. It will take approximately 26 hours of truck time (2 trucks at 13 hours haulage time each) to move the 2,800 tonnes of ore to surface for processing.

No additional fuel storage facilities will be required. There would be only a slight increase in the frequency with which such facilities were refilled. The quantity of fuel that would be stored on surface would remain the same—regardless of whether a shaft or portal/decline access methodology is used.

**Undertaking # 3: Tamerlane to provide a written description of the capacity of the surface crushing plant.**

The existing permit already provides for crushing on the surface. With shaft access, the ore would be brought to the surface by the vertical conveyor and then be transferred by means of a conveyor belt into the crusher building. With portal/decline access, the ore would be brought to the surface by trucks that would come up via the decline to the surface and then bring the ore into the crusher building. Once the ore is inside the crusher building (by either means), it would then be put through the crushing plant and processed.

The tonnage per day that would be brought inside the crusher building would not change (under either access methodology) from what is currently permitted. It would still be 2,800 tonnes per day coming up to the surface, in either the shaft or portal/decline scenarios.

The total crushing capacity remains at 2,800 tonnes per day, although in the shaft scenario a smaller sized material is necessary to go up the vertical conveyor. Therefore, under the shaft scenario, the initial crushing would take place underground with a single crusher. Since the use of trucks no longer necessitates this smaller size, the initial crusher that was originally planned underground for use with the vertical conveyor would be relocated to the surface along with the other two crushers that were already planned inside the crusher building. Overall, the total number of crushers (three) would remain the same under either the shaft or portal/decline access scenario. The only change is the location of one of the crushers. With shaft access, one crusher is underground and two are in the crusher building. With portal/decline access, all three are in the crusher building.

Regardless of the number of crushers in the crusher building (which would increase from two to three) or the amount of material crushed on surface (which would not change), this activity takes place entirely within the crusher building in a closed and controlled environment with respect to dust, water usage and noise abatement. Centralizing the crushing in a single location allows the various mitigation approaches (e.g. dust control, noise abatement etc.) to be focused on a single location. If the initial crushing were to remain underground, then dust control and noise abatement would be required for two locations—one of which is an underground environment.

**Undertaking # 4: Tamerlane to provide a list of the documents that address Mr. Hoddings questions**

Tamerlane believes that the questions relate to aspects of the developments described in the Application that remain unchanged from the activities authorized under MV2006C0014 and MV2006L2-0003. The issues identified do not relate to the proposed change from the use of a shaft to the use of a portal and decline. However, in the spirit of moving the ongoing discussion with the DKFN forward, Tamerlane agreed to provide this response to the request for information.

These documents can be found on the MVLWB registry.

1. EA0607-02- Final Report Feb.20-08.pdf
2. MV2011C0015 - New Land Use Application - Jul22-11.pdf
3. MV2011C0015- Application Response- Additional Information- Aug5-11.pdf
4. MV2011C0015- Waste Management Plan- Jul22-11.pdf
5. SGS ABA Results 2008-Feb27.xls
6. Attachment 2 water leach test SGS.pdf

Yours truly,  
**TAMERLANE VENTURES INC.**



Michael Willett  
Chief Executive Officer