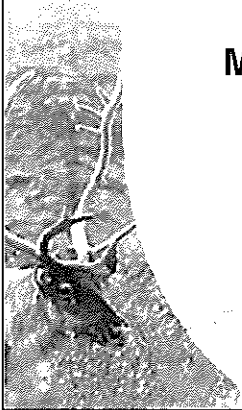


**Tamerlane Venture Inc's
Pine Point Pilot Project**

**Mackenzie Valley Environmental
Impact Review Board**

EA 0607-002

October 16th, 2007 – Fort Resolution



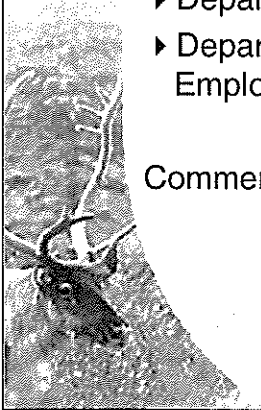
Slide 1

Outline

Mandates

- ▶ Department of Environment and Natural Resources
- ▶ Department of Transportation
- ▶ Department of Education, Culture and Employment

Comments and Recommendations



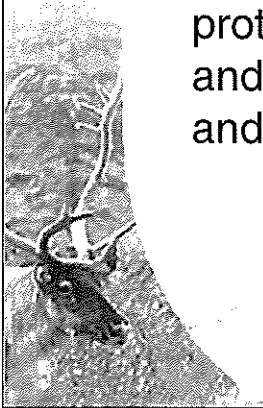
Slide 2



Environment and Natural Resources (ENR)

Mandate

to promote sustainable development through the management and protection of the quality, diversity and abundance of natural resources and the integrity of the environment.



Slide 3



ENR MANDATE

The Mandate of the Minister and Department of Environment and Natural Resources is to promote sustainable development through the management and protection of the quality, diversity and abundance of natural resources and the integrity of the environment.

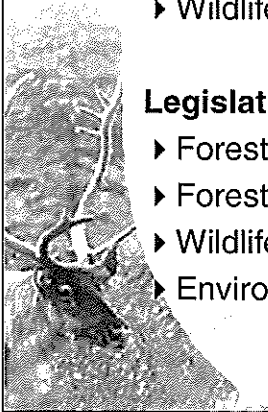
Environment and Natural Resources

Core Functions

- ▶ Environment
- ▶ Forest Management
- ▶ Wildlife Management

Legislative Mandate

- ▶ Forest Management Act
- ▶ Forest Protection Act
- ▶ Wildlife Act, and
- ▶ Environmental Protection Act



Slide 4

CORE FUNCTIONS

The core functions the Department executes in support of natural resource management and protection of the environment:

Environment

This division is responsible, along with several federal agencies, to ensure that release of contaminants into the air, water and land are minimized and environmental impacts associated with industrial and community development are assessed and minimized. The division also coordinates initiatives promoting energy awareness, energy alternatives and energy efficiency.

Forest Management

The primary role of this division is to develop plans and promote the sustainable development of forest resources and to provide forest fire management services, including forest fire prevention, detection, monitoring, situation assessment and fire suppression action.

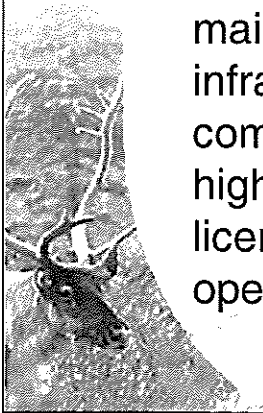
Wildlife Management

The role of this division is to develop plans and strategies, in partnership with co-management boards and federal departments, to ensure the conservation and sustainable use of renewable resources through training, income support programs, wildlife and habitat research and compliance. The division also develops policies and implements initiatives for the establishment and operation of protected areas in the NWT.

Department of Transportation (DOT)

Mandate

to plan, design, construct or reconstruct, acquire, operate and maintain public transportation infrastructure in the NWT, including community airports, docks and the highway system, and to regulate and license individuals and vehicles operating in the territory.



Slide 5



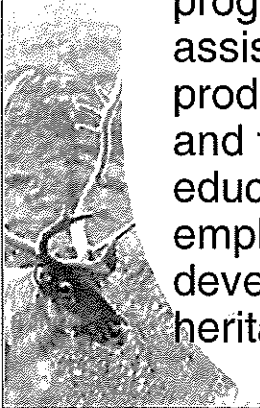
DOT MANDATE

The mandate of the Department of Transportation, Government of the Northwest Territories, is to plan, design, construct or reconstruct, acquire, operate and maintain public transportation infrastructure in the NWT, including community airports, docks and the highway system, and to regulate and license individuals and vehicles operating in the territory

Department of Education, Culture and Employment (ECE)

Mandate

To provide residents of the Northwest Territories with access to quality programs, services and support to assist them in making informed and productive choices for themselves and their families with regard to education, training, careers, employment and labour, child development, languages, culture and heritage.

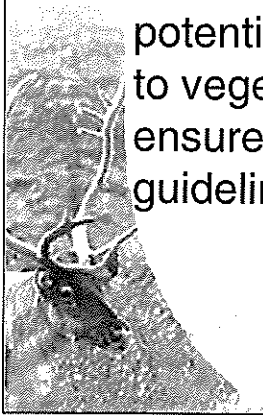


Slide 6



Air Quality

A project specific air quality assessment which includes on site air dispersion modelling is essential to assess potential impacts from mine emissions to vegetation and human health and to ensure that ambient air quality guidelines are achieved.



Slide 7



A project specific air quality assessment which includes on site air dispersion modelling is essential to assess potential impacts from mine emissions to vegetation and human health and to ensure that ambient air quality guidelines are achieved.

I understand that Tamerlane commissioned a project specific air quality assessment and submitted results last Friday. ENR's Environmental Protection staff have not had opportunity to fully review this document and at this time cannot say whether the document meets all our expectations.

ENR can be expected to submit our review of Tamerlane's air quality document to the Board in the not so distant future.

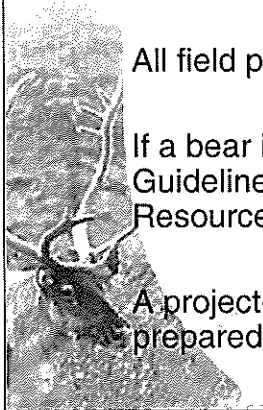
Wildlife

ENR's Food and Waste Management Guidelines should be implemented to ensure carnivores do not become habituated and eventually require relocation or destruction.

All field personnel undertake bear-safety training.

If a bear is encountered, ENR's Bear Response Guidelines should be followed and a Renewable Resource Officer should be notified.

A project-specific bear response plan should be prepared by Tamerlane.



Slide 8

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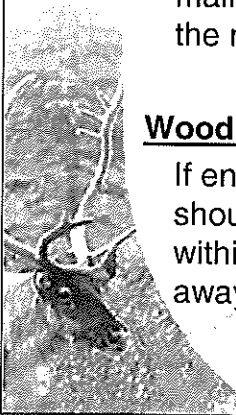
Species at Risk

Peregrine falcons and Short-eared owls

If a nest site for either species is identified in the project area, a buffer of 1.5 kms should be maintained between development activities and the nest site from April 15 to September 15.

Woodland caribou

If encountered during development the proponent should shut down operations if they approach within 500m. When caribou are further than 500m away operations may resume.



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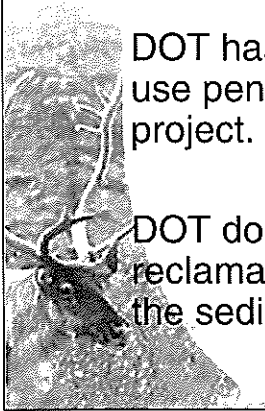
If encountered during development the proponent should shut down operations if they approach within 500m. When caribou are further than 500m away operations may resume.

The Federal Species at Risk Act (SARA) states that adverse affects on listed species must be identified, and regardless of significance mitigated and monitored. ENR expects Tamerlane to be aware of all species listed on Schedule 1, 2 and 3 and that they be treated in a similar fashion consistent with the recommendations in "The Environmental Assessment Best Practice Guide for Wildlife at Risk in Canada". A CWS publication.

Tamerlane responded to ENR on July 31, 2006 that they had reviewed ENR's recommendations and will ensure the recommendations provided by ENR are followed. Additionally, Tamerlane will ensure that the on-site Environmental Technologist is advised of and incorporates these recommendations into his/her job description.

Sediment Settling Pond

The southern portion of DOT's existing quarry needs to be permitted by DOT for Tamerlane to use as a temporary sediment settling pond.



DOT has no objections and will permit this use pending the Board's approval of the project.

DOT does want to be certain that the reclamation bond for the project will include the sediment settling pond.



Slide 10

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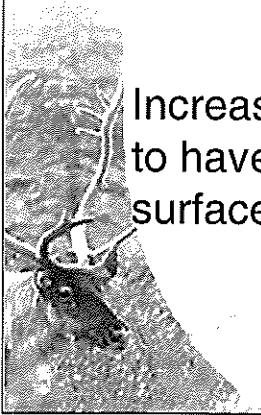
DOT does want to be certain that the reclamation bond for the project will include the sediment settling pond.

In a letter to the MVEIRB, Tamerlane does state, "reclamation cost estimates have already included the previously proposed infiltration basin and will not adjust these figures as they will directly relate to the reclamation of the sediment settling pond even though the footprint is much smaller."

Traffic Volumes

Expected increases in traffic volume raise no significant road safety concerns.

Increased traffic volumes are also seen to have a negligible impact on road surface and maintenance routine.



Slide 11

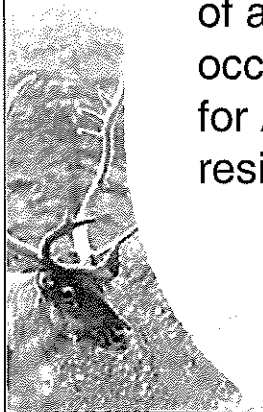


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Employment and Education

The Department of ECE, raised concerns over the number and type of apprenticeship or technological occupation opportunities identified for Aboriginal and northern residents.



Slide 12



Tamerlane states it is working with Mine Training Society to begin an Underground Mine Training Program that will provide training for the communities of Fort Resolution and Hay River Reverse. Tamerlane has committed to hiring 6 people from the KFN and the DKFN as well as people from HRMC and FRMC.

The Government of Northwest Territories works in partnership with industry to help maximize training and employment benefits for Northern and Aboriginal Residents. Employers are key partners in education and training.

An important aspect to these partnerships is the promotion and communication of Project career opportunities and skill requirements in an open, transparent and timely fashion, and in cooperation with Aboriginal and other community organizations and institutions.

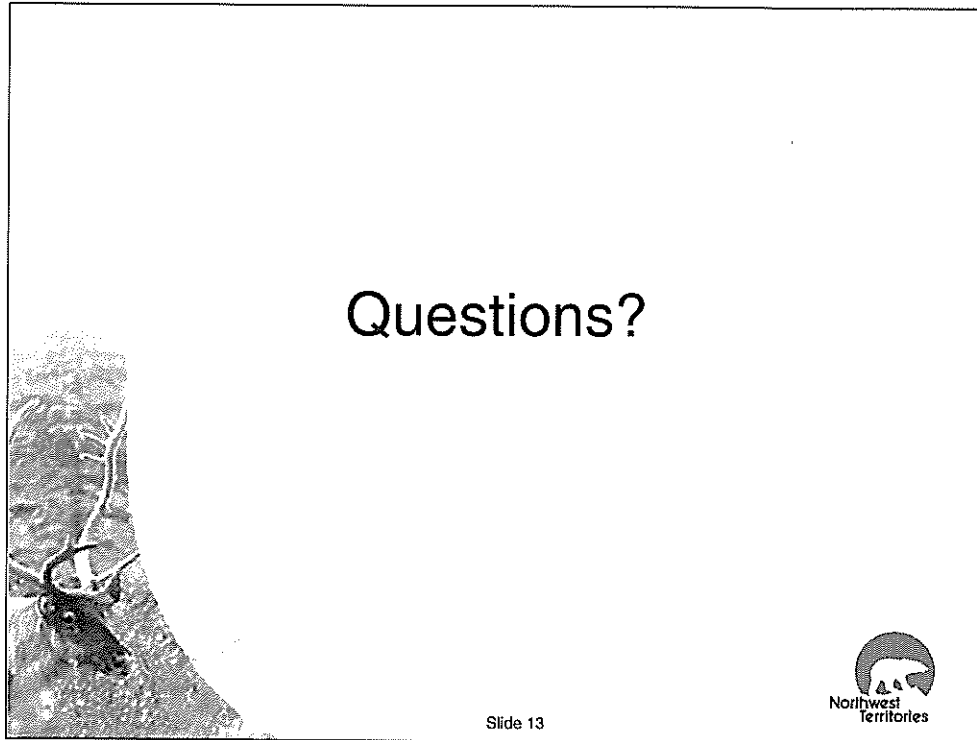
As noted by Tamerlane, if the Pine Point Pilot Project does not progress to full-scale mining, the project will be terminated (DAR, p.354). To guarantee longer-term benefit from this project, the project will have to create opportunity for Northerners aimed at enhancing skill capacities and developing transferable skills.

Tamerlane's commitment for site based on-the-job training and support for a number of apprenticeships will have to be organized and implemented so that employees completing the training will be able to use the skills acquired and time spent as credit towards certification or status recognized in the Northwest Territories under the Apprenticeship, Trade and Occupations Certification Act (NWT).

Tamerlane has indicated they have agreed to work cooperatively through the Mine Training Society with respect to community based "Introduction to Underground Mining" deliveries for the communities of Hay River and Fort Resolution, as well as other mine and mine related training for aboriginal people of the Deh Cho and Akaicho (IR00607-002-44, p.24).

It is important to note, the Mine Training Society Projects require in-kind or cash contribution from partners to fund projects. Aboriginal Skills and Employment Partnership (ASEP) will fund up to 50% of Project costs.

The Government of the Northwest Territories supports the promotion of productive work environments and people participating fully in society. Expanding the skills and abilities of the available workforce is critical to this success, particularly since, as noted by Tamerlane "*the majority of the available jobs / positions are expected to require skilled or experienced labour (DAR, p.348)*" for this project. The Mine Training Society, Underground Mining Simulator and Women in Mining, Oil and Gas projects, and Jobsnorth are just a few ways we can work together to expand the skills and abilities of Northerners.



Today, I have with me Steve Matthews – a Wildlife Biologist based out of headquarters in Yellowknife.

Colleen Roche – Industrial Specialist with ENR’s Environmental Protection Division. Colleen’s focus is on potential impacts of mining on the environment.

Sarah True – Regional Environmental Assessment Coordinator for ENR’s South Slave office in Fort Smith

ART BARNES – DOT, Superintendent for the South Slave Region and he’s based out of Hay River

