

PRELIMINARY SCREENING REPORT FORM

PRELIMINARY SCREENER: MVLWB REFERENCE / FILE NUMBER: N1L3-0053 TITLE: Municipal, Hay River ORGANIZATION: Town of Hay River MEETING DATE: September 13, 2004	EIRB REFERENCE NUMBER:
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Type of Development:
(CHECK ALL THAT APPLY)

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | New |
| <input type="checkbox"/> | Amend, EIRB Ref. # |
| <input checked="" type="checkbox"/> | Requires permit, license or authorization |
| <input type="checkbox"/> | Does not require permit, license or authorization |

Project Summary

Amendment to town's current water license for an addition of a Biotreatment Pad to treat hydrocarbon contaminated soil.

Scope

License entitles the Town of Hay River to use water and dispose of waste for municipal purposes at the Town of Hay River, Northwest Territories, located at: 60° 51' N. 115° 43' W.

Principal Activities (related to scoping)
(CHECK ALL THAT APPLY)

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> Construction | <input type="checkbox"/> Exploration | <input type="checkbox"/> Decommissioning |
| <input type="checkbox"/> Installation | <input type="checkbox"/> Industrial | <input type="checkbox"/> Abandonment |
| <input type="checkbox"/> Maintenance | <input type="checkbox"/> Recreation | <input type="checkbox"/> Aerial |
| <input type="checkbox"/> Expansion | <input type="checkbox"/> Municipal | <input type="checkbox"/> Harvesting |
| <input type="checkbox"/> Operation | <input type="checkbox"/> Quarry | <input type="checkbox"/> Camp |
| <input type="checkbox"/> Repair | <input type="checkbox"/> Linear / Corridor | <input type="checkbox"/> Scientific/ |
| <input type="checkbox"/> Research | | |
| <input type="checkbox"/> Water Intake | <input type="checkbox"/> Sewage | <input checked="" type="checkbox"/> Solid Waste |
| <input type="checkbox"/> Other: | | |

Principal Development Components (related to scoping)

- | | |
|---|---|
| <input type="checkbox"/> Access Road
<input type="checkbox"/> construction
<input type="checkbox"/> abandonment/removal
<input type="checkbox"/> modification e.g., widening, straightening
<input type="checkbox"/> Automobile, Aircraft or Vessel Movement
<input type="checkbox"/> Blasting
<input type="checkbox"/> Building
<input type="checkbox"/> Burning
<input type="checkbox"/> Burying
<input type="checkbox"/> Channeling
<input type="checkbox"/> Cut and Fill
<input type="checkbox"/> Cutting of Trees or Removal of Vegetation
<input type="checkbox"/> Dams and Impoundments <ul style="list-style-type: none"> <input type="checkbox"/> construction <input type="checkbox"/> abandonment/removal <input type="checkbox"/> modification <input type="checkbox"/> Ditch Construction
<input type="checkbox"/> Drainage Alteration
<input type="checkbox"/> Drilling other than Geoscientific
<input type="checkbox"/> Ecological Surveys
<input type="checkbox"/> Excavation
<input type="checkbox"/> Explosive Storage
<input type="checkbox"/> Fuel Storage
<input checked="" type="checkbox"/> Topsoil, Overburden or Soil <ul style="list-style-type: none"> <input type="checkbox"/> fill <input type="checkbox"/> removal <input checked="" type="checkbox"/> disposal <input type="checkbox"/> storage | <input checked="" type="checkbox"/> Waste Management
<input checked="" type="checkbox"/> disposal of hazardous waste
<input type="checkbox"/> waste generation
<input type="checkbox"/> Sewage
<input type="checkbox"/> disposal of sewage
<input type="checkbox"/> Geoscientific Sampling
<input type="checkbox"/> trenching
<input type="checkbox"/> diamond drill
<input type="checkbox"/> borehole core sampling
<input type="checkbox"/> bulk soil sampling <ul style="list-style-type: none"> <input type="checkbox"/> Gravel <input type="checkbox"/> Hydrological Testing <input type="checkbox"/> Site Restoration <input type="checkbox"/> fertilization <input type="checkbox"/> grubbing <input type="checkbox"/> planting/seeding <input type="checkbox"/> reforestation <input type="checkbox"/> scarify <input type="checkbox"/> spraying <input type="checkbox"/> recontouring <input type="checkbox"/> Slashing and removal of vegetation
<input type="checkbox"/> Soil Testing
<input type="checkbox"/> Stream Crossing/Bridging
<input type="checkbox"/> Tunneling/Underground
<input type="checkbox"/> Other (describe): |
|---|---|

NTS Topographic Map Sheet Numbers
85B

Latitude / Longitude and UTM System:
60° 51' N & 115° 43' W

Nearest Community and Water Body:
Hay River/ Hay River & Great Slave Lake

Land Status (consultation information)

Free Hold / Private Commissioners Land Federal Crown Land Municipal Land

Transboundary Implications

British Columbia Alberta Saskatchewan Yukon
 Nunavut Wood Buffalo National Park Inuvialuit Settlement Region

Type of Transboundary Implication: Impact / Effect Development

Public Concern _____
(DESCRIBE)

PHYSICAL - CHEMICAL EFFECTS

IMPACT

1. Ground Water

MITIGATION

water table alteration

water quality changes

Certified clay compacted liner installed to retain the waste. The liner has been installed in accordance with acceptable construction practices and the intent of the design.

Dedicated groundwater wells will be installed and will monitored for Total Petroleum Hydrocarbons, BTEX, metals, pH and electrical conductivity.

infiltration changes

other

N/A

IMPACT

2. Surface Water

MITIGATION

flow or level changes

water quality changes

The biotreatment pad is designed for optimum waste management. Routine monthly testing included in the revised SNP for hydrocarbons at SNP 0053-5.

water quantity changes

Drainage pattern changes

Routine monthly testing included in the revised SNP for hydrocarbons at SNP 0053-5.

temperature

wetland changes / loss

Water collected from biotreatment pad will be directed to the towns water treatment system. The levels will be below a visible sheen, or 5 mg/L.

other:

N/A

IMPACT

3. Noise

MITIGATION

noise in/near water

other: noise increase

N/A

IMPACT

4. Land

MITIGATION

geologic structure changes

soil contamination

All soil containing hydrocarbons will be treated to ensure the protection of water and soil resources. The criteria is taken from the CCME *Canadian Wide Standards for Soil Containing Hydrocarbons*.

buffer zone loss

soil compaction & settling

Destabilization / erosion

permafrost regime alteration

other: explosives/scarring

N/A

IMPACT

**5. Non Renewable
Natural Resources**

MITIGATION

resource depletion

The treating of the contaminated soil will allow the resource to be reused as a capping material on the landfill cells.

other:

N/A

IMPACT

**6. Air/Climate/
Atmosphere**

MITIGATION

Other : Odour

Odour should be limited to landfill and should be no worse than normal operations from the Waste Disposal Facilities.

N/A

BIOLOGICAL ENVIRONMENT

IMPACT

1. Vegetation

MITIGATION

species composition

species introduction

toxin / heavy accumulation

Routine testing for metals to monitor the potential of heavy metal accumulation.

other:

N/A

IMPACT

2. Wildlife & Fish

MITIGATION

effects on rare, threatened or endangered species

fish population changes

waterfowl population changes

The leachate collection pond will be fenced and screened to prevent birds from being potentially oiled.

breeding disturbance

population reduction

species diversity change

health changes
(Identify)

- behavioural changes
(Identify)
- habitat changes / effects
- game species effects
- toxins / heavy metals
- forestry changes
- agricultural changes
- other:
- N/A

INTERACTING ENVIRONMENT

IMPACT

1. Habitat and Communities

MITIGATION

- predator-prey
- wildlife habitat / ecosystem
Composition changes
- reduction / removal of
keystone or endangered
species
- removal of wildlife corridor or
buffer zone
- other:
- N/A

IMPACT

2. Social and Economic

MITIGATION

- planning / zoning changes or
conflicts
- increase in urban facilities or
services use
- rental house
- airport operations / capacity
changes
- human health hazard
- impair the recreational use of
water or aesthetic quality
- affect water use for other
purposes
- affect other land use
operations
- quality of life changes
- public concern
- other:
- N/A

The Town of Hay River has amended its bylaw, #1812, to ban landfarming within its boundaries. Existing landfarms will no longer be allowed to biotreat soil within the Town's boundaries.

No mitigation.

The Town of Hay River has amended its bylaw, # 1812, to ban landfarming within its boundaries. Existing landfarms will no longer be allowed to biotreat soil within the Town's boundaries.

IMPACT

MITIGATION

3. Cultural and Heritage

- effects to historic property
- increased economic pressure on historic properties
- change to or loss of historic resources
- change to or loss of archaeological resources
- increased pressure on archaeological sites
- change to or loss of aesthetically important site
- effects to aboriginal lifestyle
- other:
- N/A

NOTES:

Consultation

- Pursuant to Section 27 Subsections (a) and (b) of the **Deh Cho First Nations** (DCFN) Interim Measures Agreement, the MVLWB determined that written notice was given to the DCFN and that a reasonable period of time was allowed for DCFN to make representations with respect to the application.
- Pursuant to Section 1.6 (a) and (b) of the **Akaiicho Territory Dene First Nations** (ATDFN) Interim Measures Agreement, the MVLWB determined that written notice was given to the ATDFN and that a reasonable period of time was allowed for ATDFN to make representations with respect to the application
- Pursuant to Schedule 4.1 of the **Northwest Territory Métis Nation** (NWTMN) Interim Measures Agreement, the MVLWB determined that written notice was given to the NWTMN and that a reasonable period of time was allowed for NWTMN to make representations with respect to the application

PRELIMINARY SCREENER / REFERRING BODY INFORMATION
(CHECK ALL THAT APPLY)

	RA or DRA	ADVICE	PERMIT REQUIRED
<u>Federal/Territorial</u>			
Environment Canada	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fisheries and Oceans	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Indian and Northern Affairs Canada	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Canadian Heritage (Parks Canada)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National Energy Board	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Natural Resources Canada	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Works and Gov't Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transport Canada	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Northern Oil and Gas Directorate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Canadian Nuclear Safety	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Industry Canada	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Canadian Transportation Agency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National Defence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GNWT - RWED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GNWT - MACA	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GNWT - Transportation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Prince of Wales Heritage Center	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MVEIRB	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Aboriginal / First Nations</u>			
<u>Deh Cho</u>			
Deh Cho First Nations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liidlii Kue First Nation (Ft Simpson)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deh Gah Got'ie Dene Council (Ft Prov.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Acho Dene Koe First Nation (Fort Liard)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nahanni Butte First Nation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pehdzeh Ki First Nation (Wrigley)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TthedzehK'edeli First Nation (JMR)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ka'a'gee Tu First Nation (Kakisa)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sambaa K'e Dene Band (Trout Lake)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
K'atlodeeche First Nation (Hay River)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
West Point First Nations (Hay River)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hamlet of Fort Providence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hamlet of Fort Liard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Village of Fort Simpson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Town of Hay River	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Enterprise Settlement Corporation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>North Slave</u>			
Dogrib Treaty 11 Council	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dogrib Rae Band	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wha Ti First Nation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dechi Laot'I Council (Wekweti)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gameti First Nation (Rae Lakes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lutselk'e Dene First Nation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Yellowknives Dene First Nation (Ndilo)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Yellowknives Dene First Nation (Dettah)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rea-Edzo Métis Local #64	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
North Slave Métis Alliance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hamlet of Rae Edzo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Charter Community of Wha Ti	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
City of Yellowknife	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>South Slave</u>			
Fort Smith Métis Council	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Salt River First Nations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Smith Landing First Nation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Katlodeeche First Nation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
West Point First Nation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Northwest Territory Métis Nation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hay River Métis Council	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Deninu Ku'e First Nations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fort Resolution Métis Council	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Deninu Ku'e Env. Working Committee	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Akaiicho Territory Government	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Town of Hay River	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deninoo Community Council	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Town of Fort Smith	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Enterprise Settlement Corporation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

PRELIMINARY SCREENING DECISION	
<input checked="" type="checkbox"/>	Outside Local Government Boundaries
<input type="checkbox"/>	The development proposal might have a significant adverse impact on the environment, <i>refer it to the EIRB.</i>
<input checked="" type="checkbox"/>	<i>Proceed with regulatory process and/or implementation.</i>
<input type="checkbox"/>	The development proposal might have public concern, <i>refer it to the EIRB.</i>
<input checked="" type="checkbox"/>	<i>Proceed with regulatory process and/or implementation.</i>
<input type="checkbox"/>	Wholly within Local Government Boundaries
<input type="checkbox"/>	The development proposal is likely to have a significant adverse impact on air, water or renewable resources, <i>refer it to the EIRB.</i>
<input type="checkbox"/>	<i>Proceed with regulatory process and/or implementation.</i>
<input type="checkbox"/>	The development proposal might have public concern, <i>refer it to the EIRB.</i>
<input type="checkbox"/>	<i>Proceed with regulatory process and/or implementation.</i>

Preliminary Screening Organization

Mackenzie Valley Land and Water Board

September 14, 2004

Signatures
