

PRELIMINARY SCREENING REPORT FORM

PRELIMINARY SCREENER: Dean Holman REFERENCE / FILE NUMBER: S07C-005 APPLICANT: Eagle Plains Resources Ltd. DATE: June 9, 2007	EIRB REFERENCE NUMBER: TITLE: Water Technician ORGANIZATION: Sahtu Land and Water Board
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Type of Development: (C) Mineral Exploration

- Type of Development: (CHECK ALL THAT APPLY)
- New Development
 - Amend, EIRB Ref. #
 - Renew, EIRB Ref. #
 - Requires permit, license or authorization
 - Does not require permit, license or authorization

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

- | | | |
|--|---|---|
| <input type="checkbox"/> Construction | <input checked="" 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 checked="" type="checkbox"/> Aerial |
| <input type="checkbox"/> Expansion | <input type="checkbox"/> Municipal | <input type="checkbox"/> Harvesting |
| <input type="checkbox"/> Operation | <input type="checkbox"/> Quarry | <input checked="" type="checkbox"/> Camp |
| <input type="checkbox"/> Repair | <input type="checkbox"/> Linear / Corridor | <input type="checkbox"/> Scientific / Research |
| <input checked="" type="checkbox"/> Water Intake | <input checked="" type="checkbox"/> Sewage | <input checked="" type="checkbox"/> Solid Waste |

Other: _____
(DESCRIBE)

Principal Development Components (*related to scoping*)
(CHECK ALL THAT APPLY)

- | | |
|---|---|
| <input type="checkbox"/> Access Road <ul style="list-style-type: none"> <input type="checkbox"/> construction <input type="checkbox"/> abandonment/removal <input type="checkbox"/> modification e.g., widening, straightening | <input checked="" type="checkbox"/> Waste Management <ul style="list-style-type: none"> <input type="checkbox"/> disposal of hazardous waste <input checked="" type="checkbox"/> waste generation |
| <input checked="" type="checkbox"/> Automobile, Aircraft or Vessel Movement <ul style="list-style-type: none"> <input type="checkbox"/> Blasting <input type="checkbox"/> Building <input checked="" type="checkbox"/> Burning <input checked="" 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 checked="" type="checkbox"/> Sewage <ul style="list-style-type: none"> <input checked="" type="checkbox"/> disposal of sewage <input type="checkbox"/> Geoscientific Sampling <ul style="list-style-type: none"> <input type="checkbox"/> trenching <input type="checkbox"/> diamond drill <input type="checkbox"/> borehole core sampling <input type="checkbox"/> Bulk soil sampling
<input type="checkbox"/> Gravel
<input type="checkbox"/> Hydrological Testing
<input type="checkbox"/> Site Restoration <ul style="list-style-type: none"> <input type="checkbox"/> fertilization |

- abandonment/removal
- modification
- Ditch Construction
- Drainage Alteration
- Drilling other than Geoscientific
- Ecological Surveys
- Excavation
- Explosive Storage
- Fuel Storage
- Topsoil, Overburden or Soil
 - fill
 - disposal
 - removal
 - storage

- grubbing
- planting/seeding
- reforestation
- scarify
- spraying
- recontouring
- Slashing and removal of vegetation
- Soil Testing
- Stream Crossing/Bridging
- Tunneling/Underground
- Water Intake
- Other

NTS Topographic Map Sheet Numbers
(LIST ALL THAT APPLY)

NTS Map Sheet #s: NTS 106A; 3, 5, 07, 12; 106B; 01, 02, 07, 09; 106C16; 105P; 04, 11, 12, 13, 14

Latitude / Longitude and UTM System: Min. Lat. 62°59'58" N, Max. Lat. 64°59'57" N
Min. Long. 128°29'58" W, Max. Lat. 132°15'04" W
(DEGREES, MINUTES, SECONDS, MAP SHEET)

Nearest Community and Water Body: Norman Wells (194.6 km), Willow handle Lake

Land Status (consultation information)
(CHECK ALL THAT APPLY)

- Free Hold / Private Commissioner's Land Federal Crown Land Municipal Land

Transboundary Implications
(CHECK ALL THAT APPLY - IF KNOWN & APPLICABLE)

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

N/A

Type of Transboundary Implication: Impact / Effect Development

Public Concern _____
(DESCRIBE)

N/A

PHYSICAL - CHEMICAL EFFECTS

IMPACT

1. Ground Water

- water table alteration
- water quality changes

MITIGATION

1. No impact on the quality or quantity of water adjacent to camp is expected. Rocky depressions are ideal in order to promote settling and filtering of any suspended particles in the discharge as it percolates through the ground. In the event of a spill the NWT 24-Hour Spill Report Line will be called.
2. Eagle Plains should follow the Guidelines to Spill Contingency Planning produced by DIAND April 2007.
3. Absorbents, shovels, picks, pumps, empty containers, fire suppression

- equipment and personal protective equipment will all be on site in case of a spill.
4. Fuel cache will be located at least 100 meters from any watercourse or water body.
 5. Fuel drums will be inspected regularly and barrel bungs checked for tightness. All empty drums will be backhauled to Norman Wells and flown to Yellowknife on regularly scheduled flights.
 6. Pits and privies will be used to collect sewage. Pits will be covered by sand and lime regularly. All pits will be located away from creeks in a manner that will avoid contaminating water sources.
 7. Grey water from kitchen and shower use is soil filtered through hand dug sumps 1.5x1.5 metres in size. Sumps will be located away from any creek or stream to avoid contaminating drinking water downstream. The camp will be located a minimum of 100m from the high water mark. The camp fuel cache will also be located a minimum of 100m from the high water mark.

infiltration changes

other: _____

N/A

IMPACT

MITIGATION

2. Surface Water

flow or level changes

water quality changes

1. No impact on the quality or quantity of water adjacent to camp is expected. Rocky depressions are ideal in order to promote settling and filtering of any suspended particles in the discharge as it percolates through the ground. In the event of any spill of fuel or hazardous material adjacent to or into any waters, regardless of quantity, the NWT 24-Hour Spill Report Line will be called at (867) 920-8130.
2. Eagle Plains Resources has agreed to keep camp, waste and sewage containment areas 100 m from the ordinary high water mark of any water body.
3. Provide a list and the location of equipment, both on and off site to be used in the event of a spill.
4. Operational practices for the handling of fuels and hazardous fluids should be posted and made available to all personnel required to work on site and should outline a clear path of response.
5. Absorbents, shovels, picks, pumps, empty containers, fire suppression equipment and personal protective equipment will all be on site in case of a spill.
6. A dedicated area should be used for refueling equipment with measures taken to ensure capture and containment of drips and spills. Drip pans should be used when refueling any equipment on site. An appropriate spill kit with absorbent material should be located at all fuel transfer sites.
7. The location of disposal sites, which are approved to accept wastes, should be provided. The Licensee should have a means of proper storage of wastes prior to disposal at an approved facility.
8. Fuel cache will be located at least 100 meters from any watercourse or water body.
9. All fuel containers will be properly sealed and stacked in upright positions to prevent the possibility of spills and leaks. EC encourages the use of self supporting Insta-berms, which are available from various suppliers within Canada.

10. All fuel caches will be inspected and documented on a regular basis.
11. Fuel drums will be inspected regularly and barrel bungs checked for tightness. All empty drums will be backhauled to Norman Wells and flown to Yellowknife on regularly scheduled flights.
12. Licensee shall ensure that any chemicals, fuel or wastes associated with the proposed project do not enter waters frequented by fish. All effluent discharged into water frequented by fish, will be non-deleterious.
13. Pits and privies will be used to collect sewage. Pits will be covered by sand and lime regularly. All pits will be located away from creeks in a manner that will avoid contaminating water sources.
14. Grey water from kitchen and shower use is soil filtered through hand dug sumps 1.5x1.5 metres in size. Sumps will be located away from any creek or stream to avoid contaminating drinking water downstream. The camp will be located a minimum of 100m from the high water mark. The camp fuel cache will also be located a minimum of 100m from the high water mark.
15. Sediment and erosion control measures should be implemented and maintained prior to, during and after construction to prevent the entry of sediment into any water body. Control measures must be applied as required in order to achieve this at the work site.
16. Equipment operating near water should be free of external fluid leaks, grease, oil and mud. All activities including maintenance procedures and vehicular refueling should be controlled to prevent the entry of petroleum products, debris, slash, rubble or other deleterious substances into any water body.

water quantity changes

1. No impact on the quantity of water adjacent to camp is expected. Water use is approximately 0.7 m³ –0.8 m³ per day for a 15-person camp.
2. When withdrawing water during open water season, ensure that adequate water remains in the water body to allow for summer survival of fish (as defined in the Fisheries Act).

drainage pattern changes

1. Soil geochemistry and silt geochemistry involves the removal of a small amount of soil or alluvium (200-500 gm) at each site.

temperature

wetland changes / loss

other: _____

N/A

IMPACT

MITIGATION

3. Noise

noise increase

1. Work will be supported by helicopter, based out of Willowhandle Lake camp.

noise in/near water

other: _____

N/A

