

**PRELIMINARY SCREENING REPORT FORM**

<b>PRELIMINARY SCREENER: MVLWB</b> <b>REFERENCE / FILE</b> <b>NUMBER: MV2001L2-0004, MV2001F0032</b> <b>TITLE: Falcon Road Water Station</b> <b>ORGANIZATION: BHP Diamonds Inc.</b>	<b>EIRB</b> <b>REFERENCE</b> <b>NUMBER:</b>
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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 |

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

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

**Principal Development Components (related to scoping)**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Access Road                               | <input type="checkbox"/> Waste Management                   |
| <input checked="" type="checkbox"/> construction                              | <input type="checkbox"/> disposal of hazardous waste        |
| <input type="checkbox"/> abandonment/removal                                  | <input type="checkbox"/> waste generation                   |
| <input type="checkbox"/> modification e.g., widening, straightening           | <input type="checkbox"/> Sewage                             |
| <input type="checkbox"/> Automobile, Aircraft or Vessel Movement              | <input type="checkbox"/> disposal of sewage                 |
| <input type="checkbox"/> Blasting   | <input type="checkbox"/> Geoscientific Sampling             |
| <input type="checkbox"/> Building   | <input type="checkbox"/> trenching                          |
| <input type="checkbox"/> Burning  | <input type="checkbox"/> diamond drill                      |
| <input type="checkbox"/> Burying  | <input type="checkbox"/> borehole core sampling             |
| <input type="checkbox"/> Channeling   | <input type="checkbox"/> bulk soil sampling                 |
| <input type="checkbox"/> Cut and Fill   | <input type="checkbox"/> Gravel                             |
| <input checked="" type="checkbox"/> Cutting of Trees or Removal of Vegetation | <input type="checkbox"/> Hydrological Testing               |
| <input type="checkbox"/> Dams and Impoundments                                | <input type="checkbox"/> Site Restoration                   |
| <input type="checkbox"/> construction   | <input type="checkbox"/> fertilization                      |
| <input type="checkbox"/> abandonment/removal                                  | <input type="checkbox"/> grubbing                           |
| <input type="checkbox"/> modification   | <input type="checkbox"/> planting/seeding                   |
| <input type="checkbox"/> Ditch Construction                                   | <input type="checkbox"/> reforestation                      |
| <input type="checkbox"/> Drainage Alteration                                  | <input type="checkbox"/> scarify                            |
| <input type="checkbox"/> Drilling other than Geoscientific                    | <input type="checkbox"/> spraying                           |
| <input type="checkbox"/> Ecological Surveys                                   | <input type="checkbox"/> recontouring                       |
| <input type="checkbox"/> Excavation   | <input type="checkbox"/> Slashing and removal of vegetation |
| <input type="checkbox"/> Explosive Storage                                    | <input type="checkbox"/> Soil Testing                       |
| <input type="checkbox"/> Fuel Storage   | <input type="checkbox"/> Stream Crossing/Bridging           |
| <input checked="" type="checkbox"/> Topsoil, Overburden or Soil               | <input type="checkbox"/> Tunneling/Underground              |
| <input type="checkbox"/> fill   | <input type="checkbox"/> Other (describe):                  |
| <input checked="" type="checkbox"/> disposal                                  |   |
| <input checked="" type="checkbox"/> removal                                   |   |
| <input type="checkbox"/> storage  |   |

NTS Topographic Map Sheet Numbers  
(LIST ALL THAT APPLY)  
76D

Latitude / Longitude and UTM System:  
110°36'39 - 110°36'48  
64°44'39 - 64° 44'39  
Nearest Community and Water Body:

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)

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PHYSICAL - CHEMICAL EFFECTS

**IMPACT**

**MITIGATION**

1. Ground Water

- water table alteration
- water quality changes
- infiltration changes
- other
- N/A

**IMPACT**

**MITIGATION**

2. Surface Water

- flow or level changes
- water quality changes
- water quantity changes
- Drainage pattern changes
- temperature
- wetland changes / loss
- other:
- N/A

Road may impact drainage. Conditions to ensure reclamation to prevent long term effects.

**IMPACT**

**3. Noise**

- noise in/near water
- other: noise increase
- N/A

**MITIGATION**

Temporary effect while the pump is filling the taker, minimal effect.

**IMPACT**

**4. Land**

- geologic structure changes
- soil contamination
- buffer zone loss
- soil compaction & settling
- Destabilization / erosion
- permafrost regime alteration
- other: explosives/scarring
- N/A

**MITIGATION**

Potential addressed through road design and permit conditions.

**IMPACT**

**5. Non Renewable Natural Resources**

- resource depletion
- other:
- N/A

**MITIGATION**

**IMPACT**

**6. Air/Climate/ Atmosphere**

- Other
- N/A

**MITIGATION**

**BIOLOGICAL ENVIRONMENT**

**IMPACT**

**MITIGATION**

**1. Vegetation**

- species composition
- species introduction
- toxin / heavy accumulation
- other:
- N/A

**IMPACT**

**MITIGATION**

**2. Wildlife & Fish**

- effects on rare, threatened or endangered species
- fish population changes
- waterfowl population changes
- 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**

**MITIGATION**

**1. Habitat and Communities**

- 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**

**MITIGATION**

**2. Social and Economic**

- 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

**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

affects to aboriginal lifestyle

other:

N/A

**NOTES:**

Greg Cook – Water Resources	Please recommend standard permit clauses	Incorporated into permit.
Sandra Bradbury - Land Admin	No problem with application proceeding once EA has received final approval.	N/A
Darren Unrau - Inspector	Suggested conditions. Support the placement of a fuel storage tank for the road watering at a minimum of 30 m from the lake provided that the tank is double walled and placed within a bermed and lined area.	Incorporated into permit. Different from Standard 100m setback, requires Board approval.
Brett Hudson - RWED	Concern with the constant referencing of other materials, all should be included in the application. Suggested conditions, primarily in regards to the updating of the monitoring programs.	These will be requirements of the land use permit or the water licence wherever applicable.
Anne Wilson - EC	Main concerns are from the stream crossings and the potential for acid generation from construction materials. Would like further studies done prior to final crossing design, and that monitoring downstream of construction be carried out. Feel that special care needs to be taken to avoid the inclusion of Kimberlitic materials in the road construction.	Monitoring will be a part of the water licence. BHP will have to address how they will avoid the use of kimberlite materials, there will be a condition restricting its use.
Brad Colpitts - SRHB Red Peterson - IEMA	No comments/objections. Concerned with physical aspects of the design of the road and with issues of traffic management. Want to ensure that the road maintain a low profile and that baseline monitoring and traditional knowledge are included. Recommend that traffic volumes be counted daily, that a maximum volume be set on traffic volumes during caribou migration periods, and no road construction during the migration. Also recommends report to RWED in regards to grizzly displacement.	N/A
Francis Jackson – Water Resources	Further comments?? Had concerns in regards to the MVLWB approach to the licencing of this project.	These were addressed via letter.
Greg Cook	Further comments???	
Marc Lange - DFO	Had concerns with the crossing information as it stands (June 1, 2001), are in the process of sorting out fisheries authorizations.	

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

	RA or DRA	ADVICE	PERMIT REQUIRED
<b><u>Federal</u></b>			
CANADIAN HERITAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CANADIAN NUCLEAR SAFETY COMMISSION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CANADIAN TRANSPORTATION AGENCY	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ENVIRONMENT CANADA	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
FISHERIES & OCEANS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
INDIAN AFFAIRS & NORTHERN DEVELOPMENT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
INDUSTRY CANADA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NATIONAL DEFENSE	<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 & GOVERNMENT SERVICES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TRANSPORT CANADA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOGD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b><u>Territorial</u></b>			
RESOURCES, WILDLIFE AND ECONOMIC DEVELOPMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MUNICIPAL AND COMMUNITY AFFAIRS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TRANSPORTATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
HEALTH BOARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Aboriginal / First Nation**

Laura Duncan, Wha Ti Band Manager	<input checked="" type="checkbox"/>
John Ivy, Rae Band Manager –	<input checked="" type="checkbox"/>
Environment Department, Dene Nation	<input checked="" type="checkbox"/>
Bob Turner, North Slave Metis Alliance	<input checked="" type="checkbox"/>
Environment Department, Lutsel K'e Dene Band	<input checked="" type="checkbox"/>
Stanley Anablak, Kitikmeot Inuit Association	<input checked="" type="checkbox"/>

**Local Government**

_____	<input type="checkbox"/>
(IDENTIFY)	<input type="checkbox"/>

**Communities**

**REASONS FOR DECISION**  
**(LIST ALL REASONS AND SUPPORTING RATIONALES FOR PRELIMINARY SCREENING DECISION)**

There appear to be no environment impacts that cannot be addressed through permit and licence conditions.

PRELIMINARY SCREENING DECISION	
<input checked="" type="checkbox"/>	<b>Outside Local Government Boundaries</b>
<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"/>	<b>Wholly within Local Government Boundaries</b>
<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

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**Signatures**




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