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TITLE       **GSA Private Lands Application for a Type A Land Use Permit**  
SECTION     2:   Type A Land Use Permit Application  
SUBJECT     1:   Summary

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**APPLICATION SUMMARY**

**Applicant:**                   Imperial Oil Resources Ventures Limited  
**Regulatory Agency:**       Mackenzie Valley Land and Water Board  
**Application Type:**         Type A Land Use Permit  
**Location:**                 Gwich'in Settlement Area  
**Land Ownership:**         Private Lands

<b>Proposed Development:</b>	<b>Description</b>	<b>Surface Area</b>
	<ul style="list-style-type: none"> <li>• construct one temporary infrastructure site near Campbell Lake consisting of a 1,350-person construction camp, a stockpile site for equipment, materials, and line pipe and a fuel storage area</li> </ul>	25.2 ha
	<ul style="list-style-type: none"> <li>• develop nine borrow sites for materials to be used in the construction of the project</li> </ul>	325.4 ha
	<ul style="list-style-type: none"> <li>• develop two segments of 50 m wide pipeline right-of-way covering a total of about 110 km</li> </ul>	550.0 ha
	<ul style="list-style-type: none"> <li>• use temporary workspace for construction activities</li> </ul>	38.8 ha
	<ul style="list-style-type: none"> <li>• construct about 45.2 km of winter and all-weather access roads to facilitate construction of the project</li> </ul>	90.4 ha
	<b>Land Use Requested</b>	1,029.8 ha

**Overview Map:**           [Figure 2-1](#) is an overview map of activities sites on private land.

**Schedule:**               Following receipt of all approvals and a decision to proceed, construction is scheduled to begin in mid-2006 and be substantially completed in 2009.

Figure 2.1 has been moved to reduce file size. To view it, click on the link to the figure in the web page List of Figures for this document.



**Mackenzie Valley Land and Water Board**  
**7th Floor - 4910 50th Avenue**  
**P.O. Box 2130**  
**YELLOWKNIFE NT X1A 2P6**  
**Phone (867) 669-0506**  
**FAX (867) 873-6610**

**Application for:**  
**New Land Use Permit**

**Amendment**

**1. Applicant's name and mailing address:**

Imperial Oil Resources Ventures Limited  
237 Fourth Avenue S.W.  
Calgary, Alberta T2P 3M9

Attn: A.D. (Sandy) Martin  
Manager, Regulatory Affairs  
Mackenzie Gas Project

Telephone number: (403) 237-2864  
Fax number: (403) 237-2102  
Email: sandy.d.martin@esso.ca

**2. Head office address:**

Mackenzie Gas Project  
Imperial Oil Resources Ventures Limited  
237 Fourth Avenue S.W.  
Calgary, Alberta T2P 3M9

**Field supervisor**

Not currently identified

**Radiotelephone**

Not currently available

### **3. Other personnel (subcontractor, contractors, company staff etc.)**

The number of workers required for activities at each site will depend on the type, size and stage of the activity. An estimate of the personnel requirements for each aspect of the development is shown in Part 3 of each of [sections 4, 5, and 6](#).

Estimates of the number of person-days applicable to each location and set of activities will be available upon completion of design and finalization of contracting and logistical arrangements.

### **4. Eligibility (Refer to section 18 (b) (ii) of the *Mackenzie Valley Land Use Regulations*)**

Imperial Oil Resources Ventures Limited (Imperial), on behalf of the proponents of the project, proposes to conduct the work described in this application. The project proponents include Imperial Oil Resources Ventures Limited, the Mackenzie Valley Aboriginal Pipeline Limited Partnership, ConocoPhillips Canada (North) Limited, ExxonMobil Canada Properties and Shell Canada Limited.

### **5. a) Summary of operation (Describe purpose, nature and location of all activities.)**

This application covers the developments proposed to occur on private settlement lands in the GSA and seeks approval for the land use activities and operations associated with:

- constructing and operating a temporary infrastructure site near Campbell Lake to support construction of the pipelines, including a 1,350 person construction camp, stockpile site and fuel storage area (for a description of the infrastructure development, see [Section 3](#) and [Section 4](#))
- developing and operating nine borrow sites for materials to be used in the construction of the pipelines, facilities and the infrastructure sites (for a description of borrow site development, see [Section 3](#) and [Section 5](#))
- developing and maintaining two segments of 50 m wide pipeline right-of-way covering a total of 110 km (for a description of the pipeline development, see [Section 3](#) and [Section 6](#))
- developing and maintaining 45.2 km of winter and all-weather access roads to facilitate construction and operation of the project (for a description of access road development, see [Section 3](#) and [sections 4, 5, and 6](#))
- using temporary workspace for construction activities (for a description of temporary workspace use, see [Section 3](#) and [Section 6](#))

The various land use activities in this application meet the threshold criteria for Type A or Type B land use permits under the *Mackenzie Valley Land Use Regulations*.

The total land area requested in this application is 1,029.8 ha. See [Appendix A – Calculation of Land Area Requirements](#) for detailed, site-specific requirements.

**b) Please indicate if a camp is to be set up**

A number of camps will be required to support the development. This land use permit application seeks approval to set up:

- one 1,350-person camp at the Campbell Lake infrastructure site (a description of this camp development is contained in Section 3 and [Section 4](#))
- mobile pioneer camps (typically 35 to 70 person capacity), as required, to facilitate initial construction of development sites (for a description of these camps, see [Section 3](#))

Land requirements for the stationary and mobile pioneer camps are included in the lands required for the activities described in Part 5. a).

**6. Summary of potential environmental and resource impacts (describe the effects of the proposed land-use operation on land, water, flora and fauna & related socio-economic impacts)**

Biophysical and human environment setting, effects and primary mitigation strategies are discussed on a regional basis in [Section 8](#). Site-specific information is provided in [sections 4, 5, and 6](#). Environmental and heritage resource protection plans are included in [Section 11](#).

**7. Proposed restoration plan**

The land use activities and operations related to construction of the proposed development will be planned and executed to reduce reclamation requirements and enhance natural recovery following construction. Construction techniques and design elements that comply with accepted protocols and standards for pipeline and facility construction will be used.

Decommissioning and abandonment will begin after the developments are no longer required for construction or operations. An abandonment and reclamation plan will be developed according to the regulatory requirements in effect at the time of the abandonment. The plan will include public consultation and consideration of alternative uses for the sites being decommissioned and abandoned. Surface facilities might be removed and surfaces, other than granular pads, reclaimed. The site-specific sections and [Section 8](#) provide additional detail.

**8. Other rights, licences or permits related to this permit application (mineral rights, timber permits, water licences, etc.)**

Other rights, licences or permits related to this application are being sought from various regulatory authorities and government agencies. These are listed in Table 2-1 next.

**Table 2-1: Other Rights, Licences or Permits Related to This Application**

<b>Permit or Approval</b>	<b>Contact Agency</b>	<b>Contact</b>
<b>FEDERAL</b>		
Application for a Certificate of Public Convenience and Necessity under Section 52 of the National Energy Board Act	National Energy Board	National Energy Board 444 Seventh Avenue SW Calgary, AB T2P 0Y8
Application for approval of development plans and work activity authorizations under the Canada Oil and Gas Operations Act (COGOA)	National Energy Board	National Energy Board 444 Seventh Avenue SW Calgary, AB T2P 0Y8
Applications for land use permits and water licences in the Mackenzie Valley	Mackenzie Valley Land and Water Board	Mackenzie Valley Land and Water Board Box 2130 7th Floor – 4910 50th Ave. Yellowknife, NT X1A 2P6
Applications for an amendment and exception to the Gwich'in land use plan	Gwich'in Land Use Planning Board (GLUPB)	Gwich'in Land Use Planning Board P.O. Box 2478 Inuvik, NT X0E 0T0
Application for authorization for works or undertakings affecting fish habitat, as required	Department of Fisheries and Oceans Canada (DFO)	Fisheries and Oceans Canada Yellowknife District Office Suite 101, 5204 – 50th Ave. Yellowknife, NT 1A 1E2
Approval for work in navigable waters	Transport Canada	Transport Canada Prairie & Northern Division 344 Edmonton Street Box 8550 Winnipeg, MB R3L 0P6
Applications for quarry permits and leases on Crown lands	Indian and Northern Affairs Canada (INAC, previously known as DIAND)	Indian and Northern Affairs Canada 4914 – 50th Ave. 6th Floor P.O. Box 1500 Yellowknife, NT X1A 2R3
Applications for land access on Crown lands	INAC	Indian and Northern Affairs Canada 4914 – 50th Ave. 6th Floor P.O. Box 1500 Yellowknife, NT X1A 2R3
Radio apparatus permits	Industry Canada	Industry Canada 4920 – 52nd St. Yellowknife NT X1A 3T1
Explosives storage permits	Natural Resources Canada	Natural Resources Canada 4920 – 52nd St Yellowknife NT X1A 3T1

**Table 2-1: Other Rights, Licences or Permits Related to This Application (cont'd)**

Permit or Approval	Contact Agency	Contact
<b>TERRITORIAL</b>		
Wildlife disturbance, timber burning and cutting permits	Department of Resources, Wildlife and Economic Development (RWED)	Resources, Wildlife and Economic Development 600, 5102 – 50th Ave. Yellowknife, NT X1A 3S8
Applications for highway access	Department of Transport (DOT)	Department of Transport P.O. Box 1320 Yellowknife, NT X1A 2L9
Applications for camp water supply	Department of Health	Department of Health and Social Services P.O. Box 1320 Yellowknife, NT X1A 2L9
Explosives use permits	Workers' Compensation Board	Workers' Compensation Board of the NWT P.O. Box 8888 Yellowknife, NT X1A 2R3
Electrical and pressure vessel permits	Public Works and Services	Public Works & Services Stuart Hodgson Building P.O. Box 1320 Yellowknife NT X1A 2L9
<i>Area Development Act</i> permits and licences	Municipal and Community Affairs (MACA)	Minister's Office P.O. Box 1320 Yellowknife, NT X1A 2L9
Applications for quarry permits and leases on private lands within the GSA	Gwich'in Land Administration (GLA)	Gwich'in Land Administration P.O. Box 118 Aklavik NT X0E 0A0
Applications for land access on private lands within the GSA	Gwich'in Land Administration	Gwich'in Land Administration P.O. Box 118 Aklavik NT X0E 0A0
Applications for archaeological permits	Prince of Wales Northern Heritage Centre (PWNHC)	Prince of Wales Northern Heritage Centre P.O. Box 1320 Yellowknife, NT X1A 2L9

**Roads: Is this to be a pioneered road?**

Existing roads and previously disturbed areas will be used, as much as possible. Where necessary, new roads will be built as described herein.

**Roads: Has the route been laid out or ground truthed?**

Road routes have been laid out or ground truthed through aerial photographs and confirmed by field reconnaissance between 2002 and 2004. Further reconnaissance work will be conducted to finalize routes and locations. Estimated road lengths allow for an additional 30% for topography and routing uncertainties.



**15. Period of permits (up to five years, with maximum of two years of extension)**

The permit requested for all activities, including those associated with temporary construction sites and permanent facility sites, is for an initial five-year period. This covers a three-year construction period and allows for subsequent demobilization, construction clean-up and reclamation activities. Permanent developments, such as the pipeline right-of-way, will be the subject of long-term land access arrangements.

**16. Location of activities by map coordinates (attached maps and sketches)**

Each site in this land use permit application is shown on location maps and detailed site plans. Maps and coordinates of activities are referenced in Location of Activities by Map Coordinates (Part 16) in [sections 4, 5 and 6](#).

Kilometre post (KP) markers are approximate and shown for relative placement only. Final KP markers will depend on the final pipeline route.

**17. Applicant**

**Print name in full**

Imperial Oil Resources Ventures Limited  
237 Fourth Avenue S.W.  
Calgary, Alberta T2P 3M9

Attn: A.D. (Sandy) Martin  
Manager, Regulatory Affairs  
Mackenzie Gas Project

Signature \_\_\_\_\_ Date \_\_\_\_\_

**18. Fees**

A calculation of all land requirements applicable to this Type A land use permit application is contained in [Appendix A](#).

Application fee: Type A – \$150.00

Land use fee: (1,029.8 ha – 2.0 ha) \* \$50.00/ha = \$51,390.00

Total fee: \$51,540.00

