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TITLE	<b>Application for a Type A Land Use Permit in the DCR</b>
SECTION	10: Public Involvement
SUBJECT	1: Introduction

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## **PURPOSE**

This section describes the public involvement program used to gather, assess and consider input from northern residents and communities regarding the activities proposed in this land use permit application. This program has been designed and conducted according to the Board's *Public Involvement Guidelines for Permit and License Applicants to the Mackenzie Valley Land and Water Board* dated October 2003.

Public involvement activities have taken place in the DCR since 2002 with respect to various inter-related aspects of the Mackenzie Gas Project:

- project overview and design concept
- proposed pipeline route, facilities and infrastructure plans
- the Environmental Impact Statement
- geotechnical investigations programs and research work
- consultation and benefits principles

The public involvement processes for these interrelated aspects and the public involvement activities specific to this land use permit application have both supported and contributed to this application. Site-specific concerns have been included in the sections of this application relating to borrow sites, facility sites, infrastructure sites and pipeline segments.

A variety of tools and forums have been used to collect public feedback, to identify potential effects and to consider appropriate mitigation. Collection of traditional knowledge has been one of the important parts of the process. Feedback and concerns gathered from all the public involvement processes have been considered for this application.

The objectives and principles of the public involvement program have been applied consistently for all aspects of the project, and are applicable to activities proposed on Crown and Commissioner's lands.



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TITLE	<b>Application for a Type A Land Use Permit in the DCR</b>
SECTION	10: Public Involvement
SUBJECT	2: Public Involvement Program

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## **PUBLIC INVOLVEMENT OBJECTIVES**

Consistent with the Guidelines, the objectives of the public involvement program include:

- advising the community that an application is forthcoming
- introducing the developments to key stakeholders including DCR communities, Aboriginal organizations and regulatory authorities that might be affected by the developments
- identifying and responding, where possible, to public concerns
- considering concerns and incorporating TK
- discussing how negative effects will be reduced
- discussing how development plans were modified or prepared to address public concerns
- ensuring adequate opportunities for public involvement

## **PUBLIC INVOLVEMENT PRINCIPLES**

The principles underpinning the public involvement objectives include the following attributes:

- transparency - providing comprehensive and relevant information about the project that is understandable for non-technical people
- inclusiveness - ensuring all local people, Aboriginal groups and regulatory parties that might be affected by the project are given the opportunity to participate in the public involvement program
- respect - ensuring the views and opinions, culture, language and level of education of all participants as well as the protocols and traditional communication structure are respected
- reasonableness - ensuring the process and time required for reviewing and providing concerns and comments of the residents are reasonable

## **PUBLIC INVOLVEMENT PROGRAM METHODS**

This subject discusses the public involvement methods and activities conducted, the consultation tools and forums used, the materials provided and the communities and stakeholders involved. An overview of the methods used to develop a TK study is also provided.

The public involvement program has been conducted by:

- northern residents hired by Imperial to act as community representatives
- northern residents hired to act as regional representatives at the Imperial regional office in Fort Simpson
- employees and contractors of Imperial, who work closely with the northern representatives to supply information on the project

Methods that have been used to provide information to northern communities include:

- door-to-door, person-to-person informal meetings
- informal telephone communications
- distribution of written material, videos and CDs
- community public meetings
- providing accessible project staff
- meetings with specific groups in communities
- meetings specifically requested by northern communities and residents
- workshops
- traditional knowledge studies conducted by local communities

Activities that have been, and continue to be, part of the public involvement program include:

- identifying key stakeholders
- contacting stakeholders who could be affected by the proposed developments
- contacting local community organizations
- developing project information packages including maps, videos and CDs
- distributing project information to key stakeholders
- establishing regional offices to provide a convenient source of information on the project and employment opportunities, as well as a place to voice comments and concerns about the proposed developments

- interacting with youth and educators in schools and training centres

## **PUBLIC INVOLVEMENT PROGRAM MATERIALS**

Various materials have been created and used for public involvement purposes. These include:

- a Job and Business Opportunities folder and brochure
- periodic newsletters
- artist's impressions of possible production field development options and pipeline facilities
- detailed maps of the proposed pipeline route, infrastructure sites and access roads
- information booklets containing descriptions, maps and pictures of site-specific infrastructure plans, geographically bundled to accommodate local communities
- an EIS plain language summary in Aboriginal languages
- Elder and youth Mackenzie Gas Project story booklets
- a Mackenzie Gas Project folder with inserts and fact sheets

The inserts or fact sheets, which are updated periodically, include information relating to:

- general project overviews with maps
- business opportunities
- compressor facilities
- education and training opportunities
- employment opportunities
- composition of natural gas
- natural gas production fields, including the Inuvik area facility
- gathering system design and location
- infrastructure requirements and logistics supporting construction

- gas and NGL pipelines
- pipeline construction techniques
- project phases and schedules
- the proponents
- public involvement - describing commitment, process, topical information and the TK process
- the regulatory process

These materials have been distributed broadly throughout the DCR, primarily as handouts at community meetings and in meetings with interested groups. They have also been mailed or delivered as part of door-to-door campaigns and sent to local leaders, the public, regulatory agencies and elected officials.

Additionally, VHS videos and DVDs have been developed for use at various forums, schools, and agencies. They include:

- *Building a Northern Pipeline* (available in English, Inuvialuktun, North Slavey, South Slavey and Gwich'in languages)
- *Northern Pipeline Construction - Step by Step* (available in English)
- *Mackenzie Gas Project Tour of Pipeline Construction* (available in English)
- *Pipeline of Opportunity: The Project* (available in English)
- *Pipeline of Opportunity: The Environment* (available in English)
- *Pipeline of Opportunity: Traditional Knowledge* (available in English)
- *Pipeline of Opportunity: Responding to the Communities* (available in English)

A project website ([www.mackenziegasproject.com](http://www.mackenziegasproject.com)) has also been developed to provide up-to-date project information.

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TITLE	<b>Application for a Type A Land Use Permit in the DCR</b>
SECTION	10: Public Involvement
SUBJECT	3: Public Involvement Program Activities

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## **PUBLIC INVOLVEMENT PROGRAM ACTIVITIES**

Public involvement activities have been undertaken for interrelated aspects of the project including the overall project description, the proposed pipeline route, facilities and infrastructure plans, EIS, geotechnical investigations and research programs, and land access and benefits within the DCR (collectively, the public involvement program). These activities have included about 130 meetings in the DCR, with attendance of about 1,380 people since 2002 (including about 110 meetings and about 860 people in the pipeline corridor communities of Wrigley, Fort Simpson, Jean Marie River, Trout Lake and Kakisa).

Project overview and regional plans were first introduced through public involvement activities in the DCR communities of Wrigley, Jean Marie River, Trout Lake and Fort Simpson in May 2002. During July and August 2002, meetings were held in Fort Providence, Fort Liard, Nahanni Butte, Hay River Reserve, Enterprise and Kakisa to introduce project overview and regional plans to these DCR communities. Maps of the proposed pipeline route, infrastructure site locations and estimated schedule of activities were used to aid in these discussions.

In September 2002, Imperial hired full-time staff and set up a regional office in Fort Simpson to provide the DCR communities with direct project consultation and communication support. In early 2003, Imperial hired community representatives in Hay River, Kakisa, Trout Lake and Jean Marie River to assist the regional project staff in Fort Simpson. The community representatives provided project information to their respective community residents. They also collected community issues and concerns for review, consideration and accommodation in project design.

During the fall of 2002 and early 2003, detailed reviews of the proposed 2004 winter field geotechnical investigation program were provided to the DCR corridor communities of Wrigley, Jean Marie River, Fort Simpson, Trout Lake and Kakisa. The proposed winter geotechnical investigation program was intended to verify the quality and quantities of borrow sources and provide an opportunity for route and infrastructure site discussions.

A land use permit application titled *2004 Winter Field Geotechnical Investigation Program* (winter work program) was filed on October 27, 2003. On February 25, 2004, the Mackenzie Valley Environmental Impact Review Board (MVEIRB) decided to conduct an environmental assessment on the winter work program based on public concerns regarding the socio-economic and environmental impacts of the proposed program. As a result of the information

requests and public hearings associated with the environmental assessment process, a number of community concerns and issues relevant to the project and this application were raised and clarified.

During June, July and August 2003, a series of community meetings were held in the DCR communities of Wrigley, Fort Simpson, Jean Marie River, Fort Providence, Kakisa, Hay River, Hay River Reserve, Enterprise, Fort Liard and Trout Lake. The main objective of these meetings was to identify potential issues of concern relative to the proposed infrastructure sites and other aspects of the project. These meetings were intended to support the development of the EIS. Feedback obtained from these meetings was reviewed at an EIS regional workshop held in Fort Simpson on October 1 and 2, 2003. Participants included representatives of DCR communities and various government agencies.

In late 2003 and early 2004, the community representatives and regional project staff distributed updated project information to all DCR communities. This information included pipeline routing details, infrastructure and facility site development requirements and logistics plans for the region.

In October 2003, Imperial began requesting meetings with the DCR communities with the intent to provide information on the upcoming land use permit and water licence applications. Imperial was prepared to begin these meetings in January 2004. From January until the end of May, a series of letters were sent to the appropriate DCR organizations requesting an opportunity to meet and discuss the DCR PPA information. These requests to meet were declined.

In February 2004, a second round of meetings was held in the DCR communities of Fort Simpson, Hay River and Enterprise to review and discuss the potential effects of the project and to gather community input in identifying mitigation measures to manage the effects of the proposed project. Offers to hold similar meetings with other communities in the DCR were declined.

Project infrastructure review meetings were held in Enterprise, Fort Simpson, and Hay River at the end of March and early April 2004. Participants included Town Council representatives from their respective communities. Discussions centered around infrastructure design plans and local community infrastructure capacity to provide services to proposed construction camps. Discussions were also held regarding active private sector involvement with local goods and services opportunities for the project.

On May 18 and 19, 2004, a second regional workshop was held in Fort Simpson. Feedback obtained from previous meetings and fieldwork in 2003 was reviewed and discussed. Participants included representatives from the DCR communities of Wrigley, Fort Simpson, Hay River, Hay River Reserve, Jean Marie River, Fort Providence and Nahanni Butte as well as federal and territorial agencies.

On June 17, 2004, an aerial reconnaissance was conducted in the Trout Lake area in follow-up to concerns raised during the TK study with community representatives and project representatives in attendance. The purpose of this reconnaissance was to clarify concerns and evaluate options for proposed development in the K'eotsee watershed.

As the project plans continued to be refined, new materials were produced and distributed throughout the DCR communities in July 2004. These materials consisted of proposed pipeline routing and infrastructure maps, a *Project Illustrations* booklet and a *Dehcho Region Project Plans* booklet. These booklets provided detailed information on development activities proposed in the DCR.

In September 2004, Imperial again offered to meet with the DCR corridor communities to discuss land use permit and water licence applications; however, the communities declined.

In October 2004, a *Project Permit Applications - Community Information Package* and a series of DCR project maps were distributed to the DCR communities. The information package provided details about the current land use permit and water licence filing plans for the DCR corridor communities and land users to facilitate input from the community members. The packages were divided into four areas within the DCR to make it easier for the communities to focus on the proposed infrastructure sites, construction camps, borrow sources, pipeline route, watercourse crossings, facilities, access roads and potential lake water sources in their area.

On October 25, 2004, a helicopter trip was arranged to take several Kakisa community members (including two Elders) over the Enbridge pipeline and proposed project crossing of the Kakisa River. The purpose of the trip was to show where the project planned to cross the Kakisa River and to alleviate concerns related to potential contamination of the watershed.

On November 17 and 18, 2004, Imperial held a meeting in Kakisa with the Ka'agee Tu First Nations. The purpose of the meeting was to provide updated information on the project activities, relative to the KTFN traditional lands. Community input and concerns were gathered with respect to the proposed project activities.

[Table 10-1](#) provides a list of public involvement activities related specifically to this land use permit application since the beginning of January 2004.

**Table 10-1: DCR Public Involvement Activities**

<b>Contact Date</b>	<b>Location (Number of Attendees)</b>	<b>Contact Format</b>	<b>Community or Organizations</b>	<b>Nature of the Contact</b>
January 21, 2004	N/A (1)	Phone and Letter Issued	DCFN Pipeline Working Group - Coordinator	Requested a meeting to review the land use permit and water licence applications and the EIS.
February 5, 2004	N/A	Phone and Letter Issued	DCFN Pipeline Working Group - Coordinator	Follow up to January 21, 2004 letter, requesting a meeting to review the project land use permit and water licence applications.
February 12, 2004	Hay River (4)	Meeting	Cross Current Associates, Hub Publications, Paramount Resources, Consulting Services	Reviewed and discussed potential effects of the project and identified potential mitigation measures to manage the effects of the proposed project.
March 8, 2004	Hay River (9)	Meeting	Hay River Metis Council	Provided project information including purpose of the project and major project components (both permanent and temporary infrastructure).
March 31, 2004	Enterprise (6)	Meeting	Deputy Mayor, Councillors and SAO	Reviewed project infrastructure requirements and Enterprise's infrastructure
March 31, 2004	Fort Simpson (4)	Meeting	Fort Simpson Town Manager and Councilors	Reviewed project infrastructure requirements and Fort Simpson's infrastructure
April 1, 2004	Trout Lake (15)	Public Meeting	Sambaa K'e Dene Band Trout Lake Residents	Discussed TK recommendations and issues from the proposed 2004 winter work program plans.
April 1, 2004	N/A	Letter Issued	DCFN Pipeline Working Group - Chairperson	Issued follow-up letters to the January 21, 2004 and February 5, 2004 letters. Offered to be available to meet during the week of April 5, 2004, if convenient for the DCFN.
April 2, 2004	Hay River	Meeting	Hay River Town Manager	Reviewed project and town infrastructure.

**Table 10-1: DCR Public Involvement Activities (cont'd)**

<b>Contact Date</b>	<b>Location (Number of Attendees)</b>	<b>Contact Format</b>	<b>Community or Organizations</b>	<b>Nature of the Contact</b>
April 20, 2004	Jean Marie River (2)	Meeting	Jean Marie River Band Manager	Provided a project review and update.
May 7, 2004	N/A	Letter Received	Sambaa K'e Dene Band Chief	SKDB requested that Imperial use SKDB personnel for all investigative work in the K'eotsee watershed and continue to pursue other options for facility and borrow site locations. Also, SKDB requested that they be consulted by Imperial before any development plans are finalized.
May 10, 2004	N/A	Letter Issued	Sambaa K'e Dene Band Chief	Responded to SKDB concerns expressed at meeting held in community on April 1st.
May 18, 2004	Fort Simpson (1)	Meeting	Pehdzéh Ki First Nation - SAO	Discussed the proposed Blackwater compressor site (and other infrastructure development in the area) as well as the proposed site for the Ochre River construction camp.
May 19, 2004	Fort Simpson (1)	Meeting	Pehdzéh Ki First Nation - SAO	Preliminary discussion regarding the future Willowlake River potential future compressor station site and delivered DCR reference maps.
May 18-19, 2004	Fort Simpson (66)	EIS Regional Workshop	Dehcho organizations and communities of Wrigley, Fort Simpson, Hay River, Jean Marie River, Fort Providence, Hay River Reserve, Nahanni Butte.	Explored mitigation measures relative to issues identified regarding project plans.

**Table 10-1: DCR Public Involvement Activities (cont'd)**

<b>Contact Date</b>	<b>Location (Number of Attendees)</b>	<b>Contact Format</b>	<b>Community or Organizations</b>	<b>Nature of the Contact</b>
May 18-19, 2004 (cont'd)			Federal participants from NEB, INAC, Environment Canada, DFO, and Parks Canada. GNWT territorial agencies including participants from the Legislative Assembly, Education, Culture and Community Affairs, ENR, HSS and DOT. Other participants were from the Pipeline Readiness Office, Northern Gas Project Secretariat, and Ernie MacDonald Land Corporation.	
May 31, 2004	N/A	Letter Issued	Pehdzéh Ki First Nation - Wrigley, Liidlii Kue' First Nation (LKFN) - Fort Simpson, Metis Local 52 - Fort Simpson, Jean Marie River First Nation, Ka'agee Tu First Nation - Kakisa, Sambaa K'e First Nation - Trout Lake and the DCFN Pipeline Working Group	Offered to hold a one-day workshop for elders and harvesters followed by a public meeting for local residents. Offered to provide information on the project land use permit and water licence applications, gather issues and concerns and identify possible alternatives or mitigation options.
June 17, 2004	Trout Lake (7)	Public Meeting and Helicopter Trip	Sambaa K'e Dene Band Trout Lake Residents	Conducted aerial and ground reconnaissance with community members to follow up on concerns raised during TK study.
July 6, 2004	N/A	Letter Issued	Sambaa K'e Dene Band	Responded to meeting of June 17, 2004 regarding borrow sources, main construction camp location, heater station and winter work camp site location.
July 7, 2004	N/A	Letter Received	Sambaa K'e Dene Band	SKDB responded to Imperial letter of July 6, 2004. SKDB continues to stand by its TK recommendation that no facility or borrow site development occur within the K'eotsee watershed.

**Table 10-1: DCR Public Involvement Activities (cont'd)**

<b>Contact Date</b>	<b>Location (Number of Attendees)</b>	<b>Contact Format</b>	<b>Community or Organizations</b>	<b>Nature of the Contact</b>
July 12, 2004	N/A	Letter Issued	Pipeline Working Group (PWG) and Chiefs, Mayor and Metis President - Trout Lake, Kakisa, Jean Marie River, Fort Simpson and Wrigley	<p>Provided information on project plans, maps, project illustrations and details of current plans for construction and pipeline routing divided into four areas in the DCR for community review.</p> <p>Imperial offered to hold community meetings to discuss project information.</p>
July 19, 2004	N/A	Letter Received	Pehdzéh Ki First Nation Chief	<p>PKFN opposed development plans near Blackwater River, Ochre River and Willowlake River, including field studies.</p> <p>Discussions indicated PKFN required agreement and/or substantive movement on issues related to winter work agreement prior to supporting summer research work.</p>
July 19, 2004	Wrigley (7)	Meeting	Pehdzéh Ki First Nation	Discussed a Memorandum of Understanding (MOU), biophysical summer reconnaissance program and proposed winter geotechnical investigation program.
July 27, 2004	N/A	Letter Issued	DC PWG	Responded to DCFN issues regarding borrow sites, the proposed compressor station site near Blackwater River, a future compressor station site near Willowlake River area, and other issues.
August 16, 2004	Fort Simpson (6)	Meeting	Elder's Working Group (representatives from Hay River, Providence, JMR, Fort Simpson, Wrigley)	Provided information on project developments and the regulatory process.

**Table 10-1: DCR Public Involvement Activities (cont'd)**

<b>Contact Date</b>	<b>Location (Number of Attendees)</b>	<b>Contact Format</b>	<b>Community or Organizations</b>	<b>Nature of the Contact</b>
August 19, 2004	N/A	Letter Issued	Sambaa K'e Dene Band	Agreed to all three requests raised in SKDB's letter of July 7, 2004. Advised that as a result of reconnaissance work, borrow site 20.004PB east of K'eotsee would be withdrawn from the development plans.
September 22, 2004	N/A	Letters Issued	Pipeline Working Group and Chiefs, Mayor and Metis President - Trout Lake, Kakisa, Jean Marie River, Fort Simpson and Wrigley	Reiterated offer to hold a one-day workshop with Elders and harvesters followed by a one-day community meeting to review in detail the project land use permit and water licence applications.
September 22, 2004	N/A	Letters Issued	Fort Simpson Mayor	Offered to hold a meeting to discuss infrastructure requirements and opportunities.
October 13, 2004	N/A	Letter Issued	Chiefs, Mayor and Metis President - (Trout Lake, Kakisa, Jean Marie River, Fort Simpson and Wrigley)	Provided information on the 2005 winter field geotechnical investigation program work plans and maps; offered to hold meetings to review the information and collect community input.
October 18, 2004	Fort Simpson (8)	Meeting	Mayor and Council, Fort Simpson	Discussed infrastructure requirements and potential opportunities arising from the project.
October 25, 2004	Kakisa (4)	Helicopter Trip	Kakisa community members and Elders	Surveyed the proposed Kakisa River crossing and Enbridge Pipeline right-of-way with community members to alleviate concerns associated with project plans.
November 17-18, 2004	Kakisa	Meeting	Kakisa residents	Provided an update on the project and activities that would take place on Ka'agee Tu First Nation traditional lands.

**Table 10-1: DCR Public Involvement Activities (cont'd)**

<b>Contact Date</b>	<b>Location (Number of Attendees)</b>	<b>Contact Format</b>	<b>Community or Organizations</b>	<b>Nature of the Contact</b>
February 2, 2005	Jean Marie River (1)	Meeting	Jean Marie River First Nation Chief Fred Norwegian	Discussed general project issues.
February 3, 2005	Trout Lake (1)	Meeting	Sambaa K'e Dene Band - Chief Dennis Deneron	Discussed various project issues and topics.
February 15, 2005	Hay River (1)	Meeting	Hay River Metis	Provided copies of <i>EIS in Brief</i> and <i>Pipeline of Opportunity</i> booklets. General discussion regarding the project.
February 21, 2005	Hay River (1)	Meeting	Hay River Town Manager	Reviewed the draft DCR land use permit application.
February 22, 2005	Enterprise (1)	Meeting	Enterprise Hamlet Office – SAO	Reviewed the draft DCR land use permit application.
February 23, 2005	Hay River (1)	Meeting	Liidlil Kue' First Nations Chief Kenya Norwegian	Discussed general project issues and the idea of contracting community consultation representatives to assist with project consultation.
February 28, 2005	Wrigley (1)	Meeting	Pehdzéh Ki First Nation - Resource Development Coordinator	Discussed current proposed Blackwater infrastructure sites in the Blackwater River area and scheduled a meeting for mid-March to discuss this topic further.
March 4, 2005	Wrigley (1)	Meeting	Pehdzéh Ki First Nation Band Manager	Discussed upcoming meeting regarding the Blackwater infrastructure sites. Decided to cancel the meeting due to frustration over lack of progress in access and benefits negotiations.
March 17, 2005	Fort Simpson (1)	Meeting	LKFN Land and Resources Director	Reviewed the draft DCR land use permit application and the proposed 2006 winter field geotechnical investigation program.

**Table 10-1: DCR Public Involvement Activities (cont'd)**

<b>Contact Date</b>	<b>Location (Number of Attendees)</b>	<b>Contact Format</b>	<b>Community or Organizations</b>	<b>Nature of the Contact</b>
March 17, 2005	Jean Marie River (2)	Meeting	Jean Marie River First Nation Chief and Band Manager	Provided follow up response information to community questions raised during initial TK meeting with the community.
March 22, 2005	Fort Simpson (11)	Presentation	Fort Simpson Elders group	Provided presentation on project status and updates.
April 6, 2005	Jean Marie River	Meeting	Jean Marie River First Nation Chief Fred Norwegian	Reviewed the draft DCR land use permit application and the proposed 2006 winter field geotechnical investigation program.
April 20, 2005	West Point	Meeting	West Point Chief Karen Felker	Reviewed the draft DCR land use permit application and other project information.
May 2, 2005	Hay River Reserve	Meeting	Hay River Reserve Chief Roy Fabian	Discussed general project issues.

As community concerns were collected, the information was distributed, as appropriate, to engineering, environmental, land and benefits project groups for review and evaluation.

The basis for the community requests and concerns were considered in conjunction with Imperial's objectives for safety, environmental protection, cost and schedule. Community requests were adopted and alternatives were established, where feasible.

During subsequent communications with the communities, community concerns were reviewed, alternatives were discussed and the reasons for selected options were explained.

## **TRADITIONAL KNOWLEDGE STUDY METHODS**

This topic summarizes the methods used, and the progress made, in collecting traditional knowledge in the DCR communities of Wrigley, Fort Simpson, Jean Marie River, Kakisa, Trout Lake, Fort Providence and Hay River Reserve and incorporating it into the environmental assessment and project design.

Traditional knowledge has been used through many phases of the project. The sources of information have included published reports, community concerns

expressed at community meetings and regional workshops, and local knowledge provided by community participants in environmental field programs.

Imperial initiated formal traditional knowledge studies with the communities in the DCR. The objectives of the TK studies are to ensure that traditional knowledge is considered and that adjustments to the development are incorporated during the design and execution phases of the project, where appropriate.

The work plans for the study are to review existing information and collect new information, and to use both sources of information to develop a TK baseline report.

Steps that are required include:

- signing contracts with community organizations or regional agencies to undertake TK studies of the traditional use areas that could be affected by the project
- establishing TK working groups to develop a framework, determine content, establish a schedule and provide guidance for the TK study with representatives from:
  - DCR community and regional organizations
  - Mackenzie Gas Project
  - project environmental consultants
- determining methods of community participation to ensure that community participants are hired to complete study tasks such as:
  - conducting interviews
  - preparing written reports
  - providing logistical and administrative support
  - recording and processing TK data
  - translating between indigenous languages and English
- determining the types of information to be documented such as historical cultural and spiritual sites, hydrology and hydrogeology, traditional land use, vegetation, wildlife, birds, climate, cumulative effects, fisheries, human health, soil conditions, and other relevant social and environmental issues
- defining the TK study area that might be influenced by project effects on traditional and historical uses and environmental components
- reviewing existing TK information sources and collecting new data by interviewing holders of TK

- preparing community reports that summarize the approach, methods, and results of the TK studies and are designed for distribution to community-based organizations. (The reports will be produced by the project coordinator with input from the TK working group and project team. Copies will also be submitted to the project team and with the permission of the community agencies, might be submitted to regulatory authorities as part of the regulatory approval process for the project.)

### **TK Progress**

This section provides a description of the TK study progress made in each community within the DCR up to April 2005.

#### **Wrigley:**

- The project environmental consultants group engaged PKFN and consulted with them in regard to Aurora Research Institute research licence applications. The ARI granted research licenses to undertake TK studies in Wrigley in 2005.
- The PKFN was given both an introductory presentation and a copy of *A Cooperative Approach to Traditional Knowledge Studies for the Mackenzie Gas Project in the Dehcho Region*.
- The PKFN submitted a TK study proposal to Imperial in December 2004.
- The PKFN entered a contract with Imperial in January 2005 and initiated a TK study for the Wrigley area.
- The PKFN TK study working group met to discuss detailed study methods and review progress for the Wrigley TK study.
- Community researchers were hired for the PKFN TK study.
- Existing data sources were reviewed to identify TK relevant to the PKFN TK study.
- Interviews have occurred with holders of TK in Wrigley for the TK study.
- An on-the-land verification trip was held to confirm data collected during the interviews and collection of additional information occurred as part of the PKFN TK study.

#### **Fort Simpson:**

- The project environmental consultants engaged Fort Simpson organizations and consulted with them in regard to ARI research licence applications. The

ARI granted research licences to undertake TK studies in Fort Simpson in 2002, 2003, 2004 and 2005.

- The LKFN and Fort Simpson Métis Local No. 52 was given an introductory presentation and a copy of *A Cooperative Approach to Traditional Knowledge Studies for the Mackenzie Gas Project in the Dehcho Region*.
- The LKFN entered a contract with Imperial and initiated a TK study for the Fort Simpson area.
- The Fort Simpson TK study working group met to discuss the detailed study methods and review progress for the TK study in their community.
- Community researchers were hired for the Fort Simpson TK study.
- Existing data sources were reviewed to identify TK relevant to the Fort Simpson TK study.
- Interviews have occurred with holders of TK in Fort Simpson for the TK study.
- LKFN produced a draft TK report documenting the traditional knowledge collected during the study. The study has not been finalized and results will not be disseminated until the report is finalized.

**Jean Marie River:**

- The project environmental consultants engaged Jean Marie River First Nations and consulted with them in regard to ARI research licence applications. The ARI granted research licenses to undertake TK studies in Jean Marie River in 2005.
- The Jean Marie River First Nation was given an introductory presentation and a copy of *A Cooperative Approach to Traditional Knowledge Studies for the Mackenzie Gas Project in the Dehcho Region*.
- The Jean Marie River First Nation entered a contract with Imperial and initiated a TK study for the Jean Marie River area.
- The Jean Marie River TK study working group met to discuss their detailed study methods and review progress for the TK study in their community.
- Community researchers were hired for the Jean Marie River TK study.
- Existing data sources were reviewed to identify TK relevant to the Jean Marie River TK study.

- Interviews have occurred with holders of TK in Jean Marie River for the TK study.
- An on-the-land verification trip was held to confirm data collected during the interviews and collection of additional information occurred as part of the Jean Marie River TK study.

**Trout Lake:**

- The project environmental consultants engaged the SKDB and consulted with them in regard to ARI research licence applications. The ARI granted research licences to undertake TK studies in Trout Lake in 2002, 2003 and 2004.
- The Smbaa K'e First Nation was given an introductory presentation and a copy of *A Cooperative Approach to Traditional Knowledge Studies for the Mackenzie Gas Project in the Dehcho Region*, in Trout Lake.
- The Smbaa K'e First Nation entered a contract with Imperial and completed a TK study for the Trout Lake area.
- The Trout Lake TK study working group met to discuss their detailed study methods and review progress for the TK study in their community.
- Community researchers were hired for the Trout Lake TK study.
- Existing data sources were reviewed to identify TK relevant to the Trout Lake TK study.
- Interviews occurred with holders of TK in Trout Lake for the TK study.
- An on-the-land verification trip was held to confirm data collected during the interviews and collection of additional information occurred as part of the Trout Lake TK study.
- The Trout Lake TK Study was completed and the final report issued to Imperial and the environmental consultants group on May 19, 2004.

**Kakisa:**

- The project environmental consultants engaged the Kakisa organization and consulted with them in regard to ARI research licence applications. The ARI granted research licenses to undertake TK studies in Kakisa in 2005.
- The Ka'agee Tu First Nation were given an introductory presentation and a copy of *A Cooperative Approach to Traditional Knowledge Studies for the Mackenzie Gas Project in the Dehcho Region*, in Kakisa.

- The Ka'agee Tu First Nation entered a contract with Imperial and initiated a TK study for the Kakisa area.
- The Ka'agee Tu First Nation TK study working group met to discuss detailed study methods and review progress for the TK study in their community.
- Community researchers were hired for the Kakisa TK study.
- Existing data sources were reviewed to identify TK relevant to the Kakisa TK study.
- Interviews occurred with holders of TK in Kakisa for the TK study.
- The Ka'agee Tu First Nation submitted a draft TK study report to Imperial and the environmental consultants group in April 2005.

**Fort Providence:**

- The Deh Gah Gotie Dene Council and the Fort Providence Metis Nation were given an introductory presentation and a copy of *A Cooperative Approach to Traditional Knowledge Studies for the Mackenzie Gas Project in the Dehcho Region*.
- The Deh Gah Gotie First Nation and the Fort Providence Metis Nation submitted a joint proposal to Imperial to complete a TK study in March 2005.

**Hay River Reserve:**

- Katlodeeche First Nation was given an introductory presentation and a copy of *A Cooperative Approach to Traditional Knowledge Studies for the Mackenzie Gas Project in the Dehcho Region*.
- The Katlodeeche First Nation submitted a proposal to Imperial to complete a TK study in February 2005.

**Examples of TK Incorporated into Project Developments**

The TK study completed in Trout Lake resulted in the following changes to project plans:

- The proposed pipeline route and main construction camp near K'eotsee was moved approximately 2.5 km east of K'eotsee.
- The SKDB expressed concern over proposed borrow sites 20.004PA and 20.004PB on the east side of K'eotsee. Imperial agreed to withdraw plans for development of borrow site 20.004PB.

- The SKDB requested that two alternative borrow sites be investigated. Borrow site 20.004PC, located north of K'eotsee, was added to the project plans, while borrow site 20.110P, located on the winter road, had insufficient granular material and was dropped from the development plans.
- Plans to develop borrow site 20.003P in the vicinity of Shihndáákaá Tselaá were withdrawn because the area was identified as one of cultural significance.
- The proposed Trout River heater station was moved 3.0 km further south to a site proposed by SKDB.
- Imperial agreed to minimize disturbance in the K'eotsee water shed by utilizing existing cut-lines where practical, and minimizing the amount of borrow materials required.
- SKDB received assurance by Imperial that environmental monitors would be hired directly through the Band.

Table 10-2 through to Table 10-8 contain summaries of meetings related to the TK program that have taken place in the DCR. These meetings, held in conjunction with the collection of TK, provided opportunities for public involvement.

**Table 10-2: Wrigley Traditional Knowledge Consultation Activities**

Meeting Date	Community or Organization Contacted	Topics Discussed
September 22, 2002	Pehdzéh Ki First Nation	TK study methods
September 23, 2002	Pehdzéh Ki First Nation	TK study methods
September 28, 2002	Pehdzéh Ki First Nation	TK study methods
June 10, 2003	Pehdzéh Ki First Nation	TK study methods
September 4, 2003	Pehdzéh Ki First Nation	TK study methods
April 21, 2004	Pehdzéh Ki First Nation	TK study methods
April 23, 2004	Pehdzéh Ki First Nation	Submitted a letter describing TK study methods and requested involvement by Pehdzéh Ki First Nation.
June 28, 2004	Pehdzéh Ki First Nation	TK study methods and Pehdzéh Ki First Nation TK policy
July 7, 2004	Pehdzéh Ki First Nation	TK study contract
July 27, 2004	Pehdzéh Ki First Nation	TK study contractual arrangements
August 30, 2004	Pehdzéh Ki First Nation	Pehdzéh Ki First Nation TK policy and study progress

**Table 10-2: Wrigley Traditional Knowledge Consultation Activities (cont'd)**

<b>Meeting Date</b>	<b>Community or Organization Contacted</b>	<b>Topics Discussed</b>
October 4, 2004	Pehdzéh Ki First Nation	Pehdzéh Ki First Nation TK policy and study progress
October 14, 2004	Pehdzéh Ki First Nation	Reviewed the Cooperative Approach document and discussed contractual arrangements
December 6, 2004	Pehdzéh Ki First Nation	TK contractual arrangements
December 16 2004	Pehdzéh Ki First Nation	Received TK study proposal from Pehdzéh Ki First Nation
December 17, 2004	Pehdzéh Ki First Nation	Discussed contractual arrangements
January 19, 2005	TK working group	TK study methods
February 4, 2005	Pehhdzeh Ki First Nation	TK study methods
February 8-10, 2005	Pehdzéh Ki First Nation	Presented project description focussing on areas of interest to Wrigley and viewed video of proposed pipeline route
March 9, 2005	Pehdzéh Ki First Nation band manager	Discussed logistics for ground truthing trip.
March 15 -17, 2005	Pehdzéh Ki First Nation TK study coordinator	TK ground truthing trip

**Table 10-3: Fort Simpson Traditional Knowledge Consultation Activities**

<b>Meeting Date</b>	<b>Community or Organization Contacted</b>	<b>Topics Discussed</b>
May 27, 2002	Liidlíi Kue First Nation, Denendeh Resource Committee, Nogha Enterprises	TK study methods
August 23, 2002	Liidlíi Kue First Nation, Denendeh Resource Committee, Fort Simpson Métis Local, Nogha Enterprises, Nogha Geomatics, Dehcho Divisional Education Council	Presented a presentation describing A <i>Cooperative Approach to Traditional Knowledge Studies in the Dehcho</i>
September 4, 2002	Nogha Geomatics, Nogha Enterprises	TK study methods
September 19, 2002	Liidlíi Kue First Nation, Fort Simpson Métis, Nogha Enterprises, Nogha Geomatics	TK study methods
October 11, 2002	Nogha Enterprises, Nogha Geomatics	TK study methods and contractual arrangements

**Table 10-3: Fort Simpson Traditional Knowledge Consultation Activities (cont'd)**

<b>Meeting Date</b>	<b>Community or Organization Contacted</b>	<b>Topics Discussed</b>
February 10, 2003	Fort Simpson TK working group	TK working group meeting
February 20, 2003	Nogha Geomatics	TK study methods and contractual arrangements
February 28, 2003	Nogha Enterprises, Nogha Geomatics	TK study methods and contractual arrangements
March 28, 2003	Fort Simpson TK working group	Fort Simpson TK working group meeting
May 30, 2003	Liidlil Kue First Nation, Fort Simpson Métis, Nogha Geomatics, Nogha Enterprises	TK study contractual arrangements
June 16, 2003	Liidlil Kue First Nation, Fort Simpson Métis, Nogha Geomatics, Nogha Enterprises	Signed TK study contract
July 10, 2003	Fort Simpson TK working group	Fort Simpson TK working group meeting
July 31, 2003	Fort Simpson TK working group	Fort Simpson TK working group meeting
August 6, 2003	Fort Simpson Métis Local #52	TK study update
August 7, 2003	Liidlil Kue First Nation	TK study update
August 20, 2003	Fort Simpson Métis Local #52	TK study methods
August 20, 2003	Fort Simpson Metis Local #52	Discussed participation of Fort Simpson Metis Local #52 in TK studies
September 3, 2003	Fort Simpson TK working group	Fort Simpson TK study progress
October 17, 2003	Fort Simpson TK working group	Fort Simpson TK study progress
October 29, 2003	Community Researchers	Familiarized community interviewers with the TK study guidelines and interview protocols
November 12, 2003	Fort Simpson TK working group	Fort Simpson TK study progress
January 6, 2004	TK study coordinator	TK study progress
January 14, 2004	Fort Simpson TK working group	TK study methods and progress
January 21, 2004	TK study coordinator, community interviewers, TK informants, some interviews attended by project technical specialists	Commenced TK interviews
February 23, 2004	Fort Simpson TK working group	TK study method and progress

**Table 10-3: Fort Simpson Traditional Knowledge Consultation Activities (cont'd)**

<b>Meeting Date</b>	<b>Community or Organization Contacted</b>	<b>Topics Discussed</b>
March 22, 2004	Fort Simpson TK working group	TK study method and progress
April 15, 2004	Fort Simpson TK working group	TK study method and progress
May 12 & 13, 2004	Fort Simpson community Elders and harvesters, TK study coordinator, community researcher	Conducted Fort Simpson TK community verification session
June 30, 2004	Fort Simpson TK working group	TK study status
July 9, 2004	TK study coordinator	Received draft LKFN and Fort Simpson TK Project literature review and TK study
September 28, 2004	Director, Lands and Resources – LKFN	Fort Simpson TK study status
October 7, 2004	Letter sent to Liidlii Kue First Nation in Fort Simpson	Imperial comments on Fort Simpson TK study forwarded to TK study coordinator
December 6, 2004	Director, Lands and Resources - LKFN	Discussed status of draft final report and ability of Imperial to use report and findings in 2005 winter field geotechnical investigation program application
December 13, 2004	Director, Lands and Resources - LKFN	Discussed status of draft final report and how to improve it
December 14, 2004	Director, Lands and Resources - LKFN	TK study progress and requests from Joint Review Panel
January 11, 2005	Director, Lands and Resources - LKFN	Discussed status of TK study and TK study methods
February 9, 2005	Director, Lands and Resources - LKFN	TK study progress
March 17, 2005	Chief, Liidlii K'ue First Nation	TK study status
April 8, 2005	Director, Lands and resources - LKFN	TK study progress and methods
April 20, 2005	Director Lands and Resources	TK study progress
April 26, 2005	Director Lands and Resources	TK study progress
April 27, 2005	Fort Simpson Metis	TK study progress
May 4, 2005	Director, Lands and resources - LKFN	TK study progress and reviewed maps
May 12, 2005	Director, Lands and resources - LKFN	TK study progress

**Table 10-4: Jean Marie River Traditional Knowledge Consultation Activities**

<b>Meeting Date</b>	<b>Community or Organization Contacted</b>	<b>Topics Discussed</b>
November 21, 2002	Jean Marie River First Nation	Presented a presentation describing <i>A Cooperative Approach to Traditional Knowledge Studies in the Dehcho</i>
February 14, 2003	Jean Marie River First Nation	TK study methods
February 26, 2003	Jean Marie River First Nation	Discussed schedule for TK studies
March 12, 2003	Jean Marie River First Nation	TK study methods
May 7, 2003	Jean Marie River First Nation	TK study methods
June 17, 2003	Jean Marie River First Nation	TK study methods
July 16, 2003	Jean Marie River First Nation	TK study methods
July 23, 2003	Jean Marie River First Nation	TK study methods and contractual arrangements
July 29, 2003	Jean Marie River First Nation	TK study methods and contractual arrangements
July 31, 2003	Jean Marie River First Nation	TK study methods and contractual arrangements
August 19, 2003	Jean Marie River First Nation	TK study methods and contractual arrangements
May 11, 2004	Jean Marie River First Nation	TK study methods and contractual arrangements
July 22, 2004	Jean Marie River First Nation	TK study methods
August 18, 2004	Jean Marie River First Nation	TK study methods
August 30, 2004	Jean Marie River First Nation – band manager	TK study methods and contractual arrangements
September 21, 2004	Jean Marie River First Nation	TK contract signed between JMR First Nation and Imperial
October 13, 2004	TK working group meeting	TK study methods
November 2-4, 2004	Jean Marie River First Nation Jean Marie River residents TK study coordinator	Discussed Imperial's proposed activities in Jean Marie River traditional lands and viewed video of JMR traditional land area near proposed pipeline route
December 7-9, 2004	Jean Marie River First Nation TK study respondents and TK study coordinator	Ground truthing trip to participate in data collection activities on the land

**Table 10-4: Jean Marie River Traditional Knowledge Consultation Activities (cont'd)**

<b>Meeting Date</b>	<b>Community or Organization Contacted</b>	<b>Topics Discussed</b>
February 15, 2005	TK working group meeting	Discussed data gaps, community concerns, and schedule
May 10-11, 2005	TK study coordinator, Jean Marie River residents	Reviewed and verified TK study report

**Table 10-5: Trout Lake Traditional Knowledge Consultation Activities**

<b>Meeting Date</b>	<b>Community or Organization Contacted</b>	<b>Topics Discussed</b>
January 30, 2003	Sambaa K'e Dene Band	Sambaa K'e TK policy
January 31, 2003	Sambaa K'e Dene Band	Presented a presentation describing <i>A Cooperative Approach to Traditional Knowledge Studies in the Dehcho</i>
February 17, 2003	Sambaa K'e Dene Band	Trout Lake TK policy and TK study methods and contractual arrangements
February 26, 2003	Sambaa K'e Dene Band	TK study methods and contractual arrangements
March 13, 2004	Sambaa K'e Dene Band	TK study methods and contractual arrangements
March 20, 2003	Sambaa K'e Dene Band	TK study methods and contractual arrangements
June 11-12, 2003	Sambaa K'e Dene Band, TK working group	TK study methods and TK working group meeting
June 26, 2003	Crosscurrent Associates	TK study process
July 8-10, 2003	Crosscurrent Associates	TK study process
July 14, 2004	Crosscurrent Associates, TK informants	Commenced TK interviews
July 22-24, 2003	TK informants, community members, Crosscurrent Associates	Held community sessions and discussed TK study process and update
August 18, 2003	Sambaa K'e Dene Development Corporation	Signed TK study contract
September 9-11, 2003	Community members, TK informants, Crosscurrent Associates	Reviewed maps developed during TK study
September 29, 2003	Crosscurrent Associates	Conducted data gap analysis
October 14-15, 2003	Community members, TK informants, Crosscurrent Associates	Completed gap analysis, community shared concerns regarding proposed infrastructure
December 16-18, 2003	Community members, TK informants, Crosscurrent Associates	Verified data
January 19, 2004	Crosscurrent Associates	Discussed approval process for final report
February 2, 2004	Crosscurrent Associates	Discussed approval process for final report

**Table 10-5: Trout Lake Traditional Knowledge Consultation Activities (cont'd)**

<b>Meeting Date</b>	<b>Community or Organization Contacted</b>	<b>Topics Discussed</b>
April 1, 2004	Community members, TK informants, Crosscurrent Associates	Discussed some recommendations made in TK study report
May 20, 2004	Community Members, TK informants, Crosscurrent Associates, Imperial	Ceremonial receipt of Trout Lake final report to Imperial
November 23, 2004	Sambaa K'e Dene Band	Discussed use of GIS shape files

**Table 10-6: Kakisa Traditional Knowledge Consultation Activities**

<b>Meeting Date</b>	<b>Community or Organization Contacted</b>	<b>Topics Discussed</b>
February 10, 2004	Ka'agee Tu First Nation	TK study methods
March 20, 2003	Ka'agee Tu First Nation	Presented a presentation describing <i>A Cooperative Approach to Traditional Knowledge Studies in the Dehcho</i>
March 27, 2003	Ka'agee Tu First Nation	TK study method
July 29, 2004	Dehcho pipeline working group	Discussed possibility of a TK study with Kakisa
August 30, 2004	Dehcho pipeline working group	Discussed possibility of a TK study with Kakisa
September 30, 2004	Ka'agee Tu First Nation Dehcho pipeline working group	Discussed: Possibility of a TK study with Kakisa TK study methods and TK contract
November 17, 2004	Ka'agee Tu First Nation	TK contract signed between Ka'agee Tu First Nation and Imperial
November 17-18, 2004	Ka'agee Tu First Nation Elders and harvester TK study coordinator, environmental consultants	Discussed Imperial proposed activities in Ka'agee Tu traditional lands and viewed video of traditional land area near proposed pipeline route
March 22, 2005	Ka'agee Tu First Nation Elders and harvesters TK study coordinator, environmental consultants	Community review and verification of draft TK study report

**Table 10-7: Fort Providence Traditional Knowledge Consultation Activities**

<b>Meeting Date</b>	<b>Community or Organization Contacted</b>	<b>Topics Discussed</b>
August 6, 2002	Deh Gah Gotie Dene Council	TK study methods
October 29, 2004	Fort Providence Metis Nation	TK study methods
November 5, 2004	Deh Gah Gotie Dene Council	TK study methods

**Table 10-7: Fort Providence Traditional Knowledge Consultation Activities  
(cont'd)**

<b>Meeting Date</b>	<b>Community or Organization Contacted</b>	<b>Topics Discussed</b>
November 5, 2004	Fort Providence Metis Nation	TK study methods
February 2, 2005	Deh Gah Gotie Dene Council	Discussed arrangements for TK working group meeting scheduled for Feb 16, 2005

**Table 10-8: Hay River Reserve Traditional Knowledge Consultation Activities**

<b>Date</b>	<b>Community or Organization Contacted</b>	<b>Topics</b>
November 5, 2004	K'atlodeeche First Nation	Discussed K'atlodeeche First Nation interest in completing a TK study



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TITLE	<b>Application for a Type A Land Use Permit in the DCR</b>
SECTION	10: Public Involvement
SUBJECT	4: Summary of Public Issues and Concerns

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## **SUMMARY OF GENERAL PUBLIC CONCERNS RELATING TO PROPOSED INFRASTRUCTURE**

The following is a summary of issues and concerns that are common to the communities and relate to the proposed development in general:

- potential effects on infrastructure within the development area, including roads, water supply, waste treatment, medical and other social services
- effects of pipeline construction on local wildlife habitat and migratory routes
- effects of construction activities on fish spawning habitat
- preserving valued terrestrial, archaeological and culturally significant sites
- preserving the land and environment for future generations to engage in traditional pursuits
- potential effects on tourism
- ability of the people within communities to access training, employment and business opportunities
- effect of unions on the ability of local residents to qualify and access employment and business opportunities
- land access compensation and other associated benefits

Primary mitigation strategies were developed to address these concerns and are provided in [Section 8](#).

## **PUBLIC CONCERNS SPECIFIC TO THIS LAND USE PERMIT APPLICATION**

During the public involvement activities directly supporting this application, community concerns were identified and responded to, where practical.

[Table 10-9](#) summarizes concerns raised during public involvement activities and responses provided specific to this land use permit application.

**Table 10-9: DCR Summary of Community Concerns**

<b>Community</b>	<b>Community Comments and Concerns</b>	<b>Responses and Follow-up</b>
All DCR communities	Dehcho process unresolved prior to development, creating uncertainty regarding benefits and access negotiations.	Imperial has made repeated attempts to engage the Dehcho in discussions regarding access and benefits and remain committed to engaging in these discussions.  Imperial committed to abide by agreements developed through the Dehcho process.
Fort Simpson	The following issues were raised by the Mayor and Town Council:  The potential for significant traffic in the town, resulting in congestion, idling during the night and road impacts.  Imperial to work with the town council to investigate the merit of joint development of a new land fill that could meet the immediate and future needs of Fort Simpson, as well as a cost effective option for the project.	Imperial agreed to work with town council and/or new committee to resolve outstanding issues.
Wrigley and Fort Simpson	Concern was raised regarding the proximity of the proposed pipeline route to Willowlake River. This area has important historical, spiritual and cultural significance to the local residents.	Imperial met with families living in the Willowlake River area and other key stakeholders to identify alternative route locations. An alternate route was adopted about 1.5 km further east of Willowlake River (Bedsidea) residents.
Hay River	Concern was raised regarding the increased traffic on the highway and the need for upgrades to the existing roads.	Meetings had been held with DOT in Yellowknife in April and October 2004 to discuss road access and maintenance. Town council meetings were also held in September 2003, May and October 2004 and March 2005.
Enterprise	Concern was raised regarding increased truck and rail traffic which would cause both road bottlenecks and pollution issues. There were also concerns over truck speed through town limits.	Imperial has advised the community that the project will generally use existing rail and siding facilities in Hay River and will not be developing a new siding facility in the community of Enterprise.
Trout Lake	Concern was raised regarding the potential use of water from K'eotsee.	Imperial advised that existing cut-lines would be utilized, where practical, to access K'eotsee and water withdrawal impact to the lake would be minimal. It was also noted that there are limited options for clean fresh water sources in the area. Discussions regarding this concern will continue with the SKDB.

**Table 10-9: DCR Summary of Community Concerns (cont'd)**

Community	Community Comments and Concerns	Responses and Follow-up
Trout Lake	Concern was raised regarding the proposed development of borrow site 20.003P near Shihndaakaa Tselaa, which is an area of cultural and spiritual significance to SKDB.	Imperial agreed to withdraw development plans for borrow site 20.003P.
Trout Lake	Concern was expressed over the proximity of the proposed pipeline route to K'eotsee.	The proposed pipeline route was moved an additional 2.5 km further east of K'eotsee to the furthest eastern edge of the development corridor. This alternative proposed pipeline route is now located approximately five kilometres from K'eotsee.
Trout Lake	Concern was raised over the proximity of proposed main construction camp and storage facilities to K'eotsee.	The proposed construction camp and storage facilities were moved along with the pipeline route more than five kilometres from K'eotsee. The new site is on high, solid ground requiring significantly less granular material for its base.
Trout Lake	The community raised concerns regarding the proposed investigation and development of potential borrow sites southeast of K'eotsee.	Imperial conducted reconnaissance with the local community representatives to assess borrow site options as there are limited borrow sources in this area. It was agreed that borrow site 20.004PB would be withdrawn from the development plans and that borrow site 20.004PC would be added to the 2006 winter field geotechnical investigation program.
Trout Lake	The community requested that the proposed Trout River heater station location be moved to an alternate location further away from K'eotsee.	As a result of these comments, Imperial agreed to move the Trout River heater station approximately three kilometres south to an alternate site proposed by SKDB.
Trout Lake	SKDB proposed three potential alternative borrow sites and a main camp location at KP-1157.	Two of three new potential borrow sites (20.110P and an unnumbered site near 20.004PA) did not meet Imperial's requirements for quality and volume, although an old Enbridge borrow site (20.004PC) might be a potential borrow site. The proposed location near KP-1157 is too far from any water sources to be used as a main camp site. Imperial has suggested moving the proposed camp site at KP-1167 less than one kilometre to higher, more solid ground.  Further discussions with SKDB are required concerning potential water withdrawal from K'eotsee, the proposed borrow site 20.004PA near K'eotsee and the proposed construction camp location.

**Table 10-9: DCR Summary of Community Concerns (cont'd)**

Community	Community Comments and Concerns	Responses and Follow-up
Wrigley	PKFN opposed proposed development plans near Blackwater River, Ochre River and Willowlake River, including field studies. It indicated that they require agreement or substantive movement on funding and contracting issues related to 2004 winter field geotechnical investigation program work agreement before supporting the summer research work.	Imperial delayed the summer research work to develop a MOU with the PKFN. Imperial accommodated a funding request by PKFN for negotiation of the winter work benefits agreement. Imperial also offered to meet with PKFN to discuss site-specific concerns.  Summer research work was supported by community.
Wrigley	Concern was raised with the proximity of borrow site 9.044PB and the pipeline route to cultural heritage sites, including a sacred rock.	Imperial will continue open dialogue with the community regarding the area and sites of concern.
Kakisa	Concern was raised regarding potential impacts to the Tathlina Lake watershed, which in turn feeds Kakisa Lake.	Imperial conducted a helicopter tour of the area including the proposed crossing, with Elders from Kakisa. Imperial will continue to discuss any remaining concerns with KTFN regarding the proposed developments in this area.
Kakisa	Concerns were raised about the timing of the creek crossings and the possible impacts to the watershed.	This concern was raised during a TK community meeting and Imperial committed to forward this concern to the appropriate project group for follow up. In February 2005, Imperial issued a letter to the KTFN in response to this concern.
Kakisa	Concerns were raised with the potential development of two borrow sites proposed adjacent to the Kakisa River.	This concern was raised during a TK community meeting and Imperial committed to forward this concern to the appropriate project group for follow up. In February 2005, Imperial issued a letter to the KTFN in response to this concern.
Kakisa	Concern was expressed about the number of barges that would potentially go through the area around Beaver Lake (adjacent to mouth of Mackenzie River), as this area is within the Ka'agee Tu traditional land use area.	This concern was raised during a TK community meeting and Imperial committed to forward this concern to the appropriate project group for follow up. In February 2005, Imperial issued a letter to the KTFN in response to this concern.
Jean Marie River	Concern was expressed by the Jean Marie River community regarding the close proximity of the proposed pipeline route planned near Satellite Lake (KP 1076) which feeds into Deep Lake.	Imperial committed to work directly with Jean Marie River First Nation to identify specific concerns with the proposed route and together evaluate options to mitigate those concerns.

**Table 10-9: DCR Summary of Community Concerns (cont'd)**

<b>Community</b>	<b>Community Comments and Concerns</b>	<b>Responses and Follow-up</b>
Jean Marie River	Concern was raised regarding the development of borrow site 20.057P, which is located near the west end of Ekali (Kelly Lake). JMR First Nation is concerned about potential groundwater leaching into Ekali Lake and the impact to an area of historical significance.	Imperial has investigated this area with no evidence available that would suggest leaching could occur since the borrow site is located downstream of Ekali.  Imperial understands the importance of respecting historical sites and the need to avoid impacts to them, where practical. Imperial agrees to work with the community to identify and evaluate mitigation options to issues and concerns with expansion of the existing borrow site.
Jean Marie River	Concern was raised over the potential impact of the pipeline on an underground waterway used by fish migrating between Deep Lake and Ekali.	Any potential water channels would be located in the limestone bedrock and the buried pipe would be above the bedrock, in the muskeg. Therefore, there should be no impact on the fish migration route.
Jean Marie River	Concern was raised regarding potential noise issues associated with the future Deep Lake compressor station.	Imperial's specification for noise from compressor stations is 40 dBA at 1.5 km for normal operation conditions, as per EUB <i>Noise Guideline</i> (Guide 38), for normal operating conditions.



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TITLE	<b>Application for a Type A Land Use Permit in the DCR</b>
SECTION	10: Public Involvement
SUBJECT	5: Examples of Public Involvement Program Results

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## **PROJECT MODIFICATIONS RESULTING FROM THE PUBLIC INVOLVEMENT PROGRAM**

Modifications to project developments that have resulted from public involvement activities in the DCR are described in this subject.

### **PIPELINE REROUTES**

#### **Willowlake River Area Pipeline Re-Route**

The Liidlii Kue First Nation and Pehdzéh Ki First Nation leadership and residents living near the proposed pipeline route at Willowlake River expressed concerns regarding the development plans in the area where Willowlake River enters the Mackenzie River. Imperial was advised that this area has important historical, spiritual and cultural significance to the local residents.

Subsequent meetings and discussions were held with the families living in the area and with other stakeholders to clarify the concerns and issues. Once the concerns and issues were clarified, routing options were evaluated. Imperial agreed to move the proposed pipeline route approximately 1.5 km further east, between the Mackenzie Highway and the existing Enbridge Norman Wells pipeline crossing.

A block valve site was proposed south of Willowlake River which could facilitate a future compressor station, if required. Concern was raised by PKFN leadership and local residents regarding the potential noise that would be associated with this block valve site. Imperial agreed to move the proposed development approximately three kilometres further south of Willowlake River.

#### **Pipeline Re-route through Land Withdrawal Process**

During a meeting in Fort Simpson on January 31, 2003, the proposed 2002 pipeline route was reviewed with representatives of the DCFN and INAC. This meeting was held in support of the Dehcho interim land withdrawal process to establish the parameters of a pipeline corridor across the DCR, ultimately resulting in the establishment of a 2.5 kilometre-wide corridor on the east side of the Enbridge right-of-way near K'eotsee. As well, a 2.0 km-wide corridor was included on the east side of the Enbridge right-of-way near Headwater Pond (Deep Lake area).

### **K'eotsee Watershed Development**

The Trout Lake community was concerned about proposed development plans in the watershed that feeds K'eotsee. They were concerned about potential spills or contamination that could result in negative effects on water quality feeding into K'eotsee and pose a potential threat to the water inflow into Trout Lake. They also expressed concern regarding potential short or long term affects by the proposed developments on wildlife migration and availability through the area. As a result of these concerns, Imperial has made changes to the proposed pipeline route and to the locations of the proposed construction camp, storage facility, and borrow sites described below.

### **K'eotsee Pipeline Re-route**

Initially, the proposed pipeline route was approximately 2.5 km from K'eotsee. As a result of the Trout Lake community concerns, the pipeline route was moved to the far eastern edge of the development corridor an additional 2.5 km. The proposed pipeline corridor is now proposed approximately 5.0 km from K'eotsee.

## **INFRASTRUCTURE SITE RELOCATIONS**

### **K'eotsee Construction Camp Relocation**

A 950-person construction camp was initially proposed about 2.5 km from K'eotsee. The campsite was re-located an additional 2.5 km from K'eotsee, along with the pipeline re-route.

As a result of further reconnaissance conducted with local community representatives, an alternate campsite location was found on higher ground which would require less borrow material. The community has voiced concerns with this alternate camp location and Imperial has committed to work with SKDB to clarify and resolve their concerns.

### **Trout River Heater Station and Campsite Relocation**

The originally proposed Trout River heater station was moved approximately 3.0 km south to a site proposed by the SKDB.

The SKDB requested that a 40-person camp associated with the 2004 winter work program be located at the same location as the re-located heater station. Imperial agreed to locate this camp, as requested by the SKDB.

## **BORROW SITE RE-LOCATIONS**

### **Borrow Sites immediately east of K'eotsee**

Imperial held meetings with the SKDB, conducted reconnaissance and exchanged correspondence with SKDB regarding development in the K'eotsee watershed area. Imperial evaluated alternative borrow sites suggested by SKDB which resulted in the addition of one borrow site (20.004PC) northeast of K'eotsee. As well, one of two borrow sites east of K'eotsee (20.004PB) recommended by SKDB was withdrawn from development plans due to poor quality and limited quantity of material. Discussions with SKDB regarding proposed borrow site 20.004PA are ongoing.

### **Borrow Source 20.003P**

SKDB opposed the proposed development of borrow site 20.003P, near Shihndaakaa Tselaa, an area of cultural and spiritual significance to the SKDB. Imperial agreed to withdraw plans to develop this borrow site.

