


TITLE	ISR and GSA Crown Quarrying Permit Application
SECTION	3: Application for GSA Quarrying Permits
SUBJECT	1: Borrow Site 2.052P

OVERVIEW

This subject contains the application and location information for a quarrying permit for borrow site 2.052P. It includes:

- the application
- an overview map ([Figure 3-1](#))
- a site-specific map ([Figure 3-2](#))
- a site specific photograph ([Figure 3-3](#))

 Indian and Northern Affairs Canada Affaires indiennes et du Nord Canada		
<h2 style="margin: 0;">Application for Quarrying Permit</h2>		
Name:	Imperial Oil Resources Ventures Limited 237 Fourth Avenue South West P.O. Box 2480, Station "M" Calgary, Alberta T2P 3M9	Sandy Martin Regulatory Manager Mackenzie Gas Project

I hereby apply for a Quarrying Permit for the purpose of taking:			
Cubic metres	Of:		
188,000	Rock		
Location of pit:	2.052P	NTS map sheet no.	107B
Co-ordinates:	Latitude 68.3079	Longitude -133.3311	
UTM: Zone 8	E 568831	N 7578121	
1. Is any part of the land occupied? If yes, by whom and for what purposes?			
Occasionally, "Bob's Welding" leaves equipment associated with quarry operations at the site.			
2. The only buildings or other improvements on the said lands are as follows:			
(A) Nature of improvements			
Existing improvements are consistent with an operating quarry site. A short existing access road is also present.			
(B) Value of improvements			
Unknown.			
(C) Owner of improvements			
Unknown.			
3. Is the land wooded? If yes, describe species of trees and approximate size			
Trees surrounding this existing quarry site are dominated by the presence of black spruce with some white spruce in the area. The trees average between 3 and 5 m in height (see Figure 3-3).			
4. Attach a sketch plan of the site as required by the Territorial Quarrying Regulations			
See Figure 3-2.			

Required fees are indicated below:		
Quarrying Permit Fee: (\$150.00)	Total \$	150.00
Royalties on sand, gravel loam per cubic metre: (\$1.50)	Total \$	282,000.00
Royalties on other buildings materials: (\$1.25)	Total \$	
	Total Fees \$	282,150.00



Signature of applicant _____ Date: _____

TITLE	ISR and GSA Crown Quarrying Permit Application
SECTION	3: Application for GSA Quarrying Permits
SUBJECT	2: Borrow Site 2.061P

OVERVIEW

This subject contains the application and location information for a quarrying permit for borrow site 2.061P. It includes:

- the application
- an overview map ([Figure 3-4](#))
- a site-specific map ([Figure 3-5](#))
- a site-specific photograph ([Figure 3-6](#))

 Indian and Northern Affairs Canada Affaires indiennes et du Nord Canada		
<h2 style="margin: 0;">Application for Quarrying Permit</h2>		
Name:	Imperial Oil Resources Ventures Limited 237 Fourth Avenue South West P.O. Box 2480, Station "M" Calgary, Alberta T2P 3M9	Sandy Martin Regulatory Manager Mackenzie Gas Project

I hereby apply for a Quarrying Permit for the purpose of taking:			
Cubic metres	Of:		
75,000	Granular material		
Location of pit:	2.061P	NTS map sheet no.	107 B
Co-ordinates:	Latitude 68.2490	Longitude	-133.2545
UTM: Zone 8	E 572175	N	7571646
1. Is any part of the land occupied? If yes, by whom and for what purposes?			
Yes. In the vicinity of the proposed borrow site, two explosives firms have buildings and facilities.			
2. The only buildings or other improvements on the said lands are as follows:			
(A) Nature of improvements			
Borrow sites have been developed within 2.061P's vicinity. An access road is also present.			
(B) Value of improvements			
Unknown			
(C) Owner of improvements			
Unknown			
3. Is the land wooded? If yes, describe species of trees and approximate size			
Yes. White spruce dominates the mature spruce open canopy at this site. The riparian area along Cabin Creek is closed mature spruce canopy (see Figure 3-6).			
4. Attach a sketch plan of the site as required by the Territorial Quarrying Regulations			
See Figure 3-5.			

Required fees are indicated below:		
Quarrying Permit Fee: (\$150.00)	Total \$	150.00
Royalties on sand, gravel loam per cubic metre: (\$1.50)	Total \$	112,500.00
Royalties on other buildings materials: (\$1.25)	Total \$	
	Total Fees \$	112,650.00



Signature of applicant _____ Date: _____

TITLE	ISR and GSA Crown Quarrying Permit Application
SECTION	3: Application for GSA Quarrying Permits
SUBJECT	3: Borrow Site 20.073P

OVERVIEW

This subject contains the application and location information for a quarrying permit for borrow site 20.073P. It includes:

- the application
- an overview map ([Figure 3-7](#))
- a site-specific map ([Figure 3-8](#))
- a site-specific photograph ([Figure 3-9](#))

 Indian and Northern Affairs Canada Affaires indiennes et du Nord Canada		
<h2 style="margin: 0;">Application for Quarrying Permit</h2>		
Name:	Imperial Oil Resources Ventures Limited 237 Fourth Avenue South West P.O. Box 2480, Station "M" Calgary, Alberta T2P 3M9	Sandy Martin Regulatory Manager Mackenzie Gas Project

I hereby apply for a Quarrying Permit for the purpose of taking:			
Cubic metres	Of:		
176,000	Rock		
Location of pit:	20.073P	NTS map sheet no.	107 B
Co-ordinates:	Latitude 68.2008	Longitude	-133.4112
UTM: Zone 8	E 565839	N	7566103
1. Is any part of the land occupied? If yes, by whom and for what purposes?			
Yes. The Government of the Northwest Territories (GNWT) Department of Transportation (DoT) has a quarry permit and land use permit for this site. They operate it as a quarry pit.			
2. The only buildings or other improvements on the said lands are as follows:			
(A) Nature of improvements			
Improvements are consistent with the operation of an existing quarry. It includes piles of crushed material ready for use and an all weather access road.			
(B) Value of improvements			
Unknown.			
(C) Owner of improvements			
Unknown.			
3. Is the land wooded? If yes, describe species of trees and approximate size			
Yes. The top of the undisturbed portion of the rock outcrop is composed of a mixture of Alaska birch, white spruce and trembling aspen. The vegetated slopes of the rock outcrop are characterized by white and black spruce with an understory of tall green alder. Other vegetation types within the site include small areas of upland Alaska birch/spruce on small rises and black spruce/ground birch vegetation in lower lying areas (see Figure 3-9).			
4. Attach a sketch plan of the site as required by the Territorial Quarrying Regulations			
See Figure 3-8.			

Required fees are indicated below:		
Quarrying Permit Fee: (\$150.00)	Total \$	150.00
Royalties on sand, gravel loam per cubic metre: (\$1.50)	Total \$	264,000.00
Royalties on other buildings materials: (\$1.25)	Total \$	
	Total Fees \$	264,150.00



Signature of applicant _____ Date: _____

TITLE	ISR and GSA Crown Quarrying Permit Application
SECTION	3: Application for GSA Quarrying Permits
SUBJECT	4: Borrow Site 2.064BP

OVERVIEW

This subject contains the application and location information for a quarrying permit for borrow site 2.064PB. It includes:

- the application
- an overview map ([Figure 3-10](#))
- a site-specific map ([Figure 3-11](#))
- a site-specific photograph ([Figure 3-12](#))

 Indian and Northern Affairs Canada Affaires indiennes et du Nord Canada		
Application for Quarrying Permit		
Name:	Imperial Oil Resources Ventures Limited 237 Fourth Avenue South West P.O. Box 2480, Station "M" Calgary, Alberta T2P 3M9	Sandy Martin Regulatory Manager Mackenzie Gas Project

I hereby apply for a Quarrying Permit for the purpose of taking:			
Cubic metres	Of:		
62,000	Granular material		
Location of pit:	2.064BP	NTS map sheet no.	107 B
Co-ordinates:	Latitude 68.1265	Longitude	-132.8397
UTM: Zone 8	E 589801	N	7558544
1. Is any part of the land occupied? If yes, by whom and for what purposes?			
No.			
2. The only buildings or other improvements on the said lands are as follows:			
(A) Nature of improvements			
N/A			
(B) Value of improvements			
N/A			
(C) Owner of improvements			
N/A			
3. Is the land wooded? If yes, describe species of trees and approximate size			
Yes. The black spruce/ground birch area occurs on mid and lower slope positions and black spruce/lichen areas, found in the northeast portion of the site on the hill top, have an open tree canopy with tree heights averaging about 5.0 m. White spruce/ground birch occupies one third of the site and is found on southwest slopes. Tree canopy is composed of scattered white spruce with an average height of 7.5 m (see Figure 3-12).			
4. Attach a sketch plan of the site as required by the Territorial Quarrying Regulations			
See Figure 3-11.			

Required fees are indicated below:		
Quarrying Permit Fee: (\$150.00)	Total \$	150.00
Royalties on sand, gravel loam per cubic metre: (\$1.50)	Total \$	93,000.00
Royalties on other buildings materials: (\$1.25)	Total \$	
	Total Fees \$	93,150.00



Signature of applicant _____ Date: _____

TITLE	ISR and GSA Crown Quarrying Permit Application
SECTION	3: Application for GSA Quarrying Permits
SUBJECT	5: Borrow Site 5.013P

OVERVIEW

This subject contains the application and location information for a quarrying permit for borrow site 5.013P. It includes:

- the application
- an overview map ([Figure 3-13](#))
- a site-specific map ([Figure 3-14](#))
- a site-specific photograph ([Figure 3-15](#))

 Indian and Northern Affairs Canada Affaires indiennes et du Nord Canada		
<h2 style="margin: 0;">Application for Quarrying Permit</h2>		
Name:	Imperial Oil Resources Ventures Limited 237 Fourth Avenue South West P.O. Box 2480, Station "M" Calgary, Alberta T2P 3M9	Sandy Martin Regulatory Manager Mackenzie Gas Project

I hereby apply for a Quarrying Permit for the purpose of taking:			
Cubic metres	Of:		
69,000	Granular material		
Location of pit:	5.013P	NTS map sheet no.	106 O
Co-ordinates:	Latitude 67.4844	Longitude	-130.8502
UTM: 9	E 420943	N	7486566
1. Is any part of the land occupied? If yes, by whom and for what purposes?			
Yes. An airstrip and fuel cache are located within the site's vicinity. The airstrip is used periodically.			
2. The only buildings or other improvements on the said lands are as follows:			
(A) Nature of improvements			
See above. New access will be acquired to augment partial access provided by the CNT Trail.			
(B) Value of improvements			
Unknown.			
(C) Owner of improvements			
Unknown.			
3. Is the land wooded? If yes, describe species of trees and approximate size			
Yes. Trees include short black and white spruce, and Alaska birch regenerating from a previous fire (see Figure 3-15).			
4. Attach a sketch plan of the site as required by the Territorial Quarrying Regulations			
See Figure 3-14.			

Required fees are indicated below:		
Quarrying Permit Fee: (\$150.00)	Total \$	150.00
Royalties on sand, gravel loam per cubic metre: (\$1.50)	Total \$	103,500.00
Royalties on other buildings materials: (\$1.25)	Total \$	
	Total Fees \$	103,650.00



Signature of applicant _____ Date: _____

TITLE	ISR and GSA Crown Quarrying Permit Application
SECTION	3: Application for GSA Quarrying Permits
SUBJECT	6: Borrow Site 5.020P

OVERVIEW

This subject contains the application and location information for a quarrying permit for borrow site 5.020P. It includes:

- the application
- an overview map ([Figure 3-16](#))
- a site-specific map ([Figure 3-17](#))
- a site-specific photograph ([Figure 3-18](#))

 Indian and Northern Affairs Canada Affaires indiennes et du Nord Canada		
Application for Quarrying Permit		
Name:	Imperial Oil Resources Ventures Limited 237 Fourth Avenue South West P.O. Box 2480, Station "M" Calgary, Alberta T2P 3M9	Sandy Martin Regulatory Manager Mackenzie Gas Project

I hereby apply for a Quarrying Permit for the purpose of taking:			
Cubic metres	Of:		
293,000	Granular material		
Location of pit:	5.020P	NTS map sheet no.	106 O
Co-ordinates:	Latitude 67.3041	Longitude	-130.7244
UTM: 9	E 425761	N	7466316
1. Is any part of the land occupied? If yes, by whom and for what purposes?			
No.			
2. The only buildings or other improvements on the said lands are as follows:			
(A) Nature of improvements			
N/A			
(B) Value of improvements			
N/A			
(C) Owner of improvements			
N/A			
3. Is the land wooded? If yes, describe species of trees and approximate size			
Yes. Trees include scattered black spruce with an average height of 7.0 m and scattered cover of low shrubs including black spruce and shrubby and blue-green willows (see Figure 3-18).			
4. Attach a sketch plan of the site as required by the Territorial Quarrying Regulations			
See Figure 3-17.			

Required fees are indicated below:		
Quarrying Permit Fee: (\$150.00)	Total \$	150.00
Royalties on sand, gravel loam per cubic metre: (\$1.50)	Total \$	439,500.00
Royalties on other buildings materials: (\$1.25)	Total \$	
	Total Fees \$	439,650.00

Signature of applicant _____ Date: _____

