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January 13, 2011

John Craig  
Assistant Land Administrator  
Land Administration  
Indian and Northern Affairs Canada  
P.O. Box 100, Bldg. 918  
Iqaluit, NU X0A 0H0

Dear John:

**Project No: DYE-M, Cape Dyer**

**Regarding: Quarry Permit Returns and New Permit Applications in Association with Land Use Permit 2008X0003**

AECOM is pleased to be providing the following information regarding the quarry permit returns for the work completed at the DYE-M, Cape Dyer DEW Line site in 2010. The information is being provided on behalf of Defence Construction Canada and the Department of National Defence.

Borrow Area	Permit Number	Quantity of Granular Material Removed (m <sup>3</sup> )
1	2010QP0018	-
2	2010QP0019	-
3	2010QP0020	4,120
4	2010QP0021	-
6	2010QP0022	-
9	2010QP0023	-
10	2010QP0024	-
11	2010QP0025	-
13	2010QP0026	3,300
14	2010QP0027	-
7	2010QP0044	-
<b>Total</b>		<b>7,420</b>

In addition to the quarry permit returns, we are also submitting an application for new quarry permits for the 2011 work.

We trust the information provided is sufficient. Please feel free to contact the undersigned if you have any questions or comments.

Sincerely,  
**AECOM Canada Ltd.**



Eva Schulz, P.Ag.  
Environmental Scientist  
Eva.Schulz@aecom.com

EMS  
Encl. Quarry Permit Application and Site Plan



## APPLICATION FOR QUARRYING PERMIT DEMANDE DE PERMIS POUR L'EXPLOITATION D'UNE CARRIÈRE

NAME - NOM : Steve Poaps

OCCUPATION - PROFESSION : Deputy Project Manager

EMPLOYER - EMPLOYEUR : Defence Construction Canada Ltd.

I hereby apply for a Quarrying Permit for the purpose of taking:

Je demande un permis pour l'exploitation d'une carrière afin d'extraire :

149,100 cubic metres of - metres cubes de Granular Materials  
cubic metres of - metres cubes de  
cubic metres of - metres cubes de

FROM - DE : (Location of Pit - Emplacement de la carrière) : Please refer to attached drawing.

NTS MAP SHEET # - N° de la carte SNRC 16L Cape Dyer

Co-ordinates - Coordonnées : 66° 39' N, 61° 21' W

1. Is any part of the land occupied? And if so, by whom and for what purpose?  
Est-ce qu'une partie des terres est occupée? Si oui, par qui et à quelles fins?

The land is not occupied.

2. The only buildings or other improvements on the said lands are as follows:  
Bâtiments construits sur le site ou aux autres améliorations prévues:

(A) Nature of improvements - Nature de améliorations: N/A

(B) Value of improvements - Valeur des améliorations: N/A

(C) Owner of improvements - Propriétaire des améliorations: N/A

3. The land is/is not wooded. (If wooded, describe species of trees and approximate size.)  
Les terres sont/ne sont pas boisées (Si elles sont boisées, décrire les espèces d'arbres et leur taille approximative.)

The land is not wooded.

4. The attached plan is a sketch plan of the said land as required by the Territorial Quarrying Regulations.

Un plan des terres susmentionnées est joint à la présente demande conformément au *Règlement sur l'exploitation de carrière s territoriales*.



I enclose the required fees as indicated below:  
J'inclus les droits de permis indiqués ci-dessous:

**QUARRY PERMIT FEE**

DROITS DU PERMIS D'EXPLOITATION.....\$150.00 TOTAL \$ N/A

**ROYALTIES ON SAND, GRAVEL LOAM  
REDEVANCES SUR LE SABLE, LE GRAVIER  
ET LA TERRE BLANCHE**

Per cubic metre - Par mètre cube :.....\$1.50 TOTAL \$ N/A

**ROYALTIES ON OTHER BUILDING MATERIALS  
REDEVANCES SUR LES AUTRES MATÉRIAUX DE  
CONSTRUCTION**

Per cubic metre - Par mètre cube :.....\$1.25 TOTAL \$ N/A

TOTAL FEES - COÛTS TOTAUX: \$ N/A

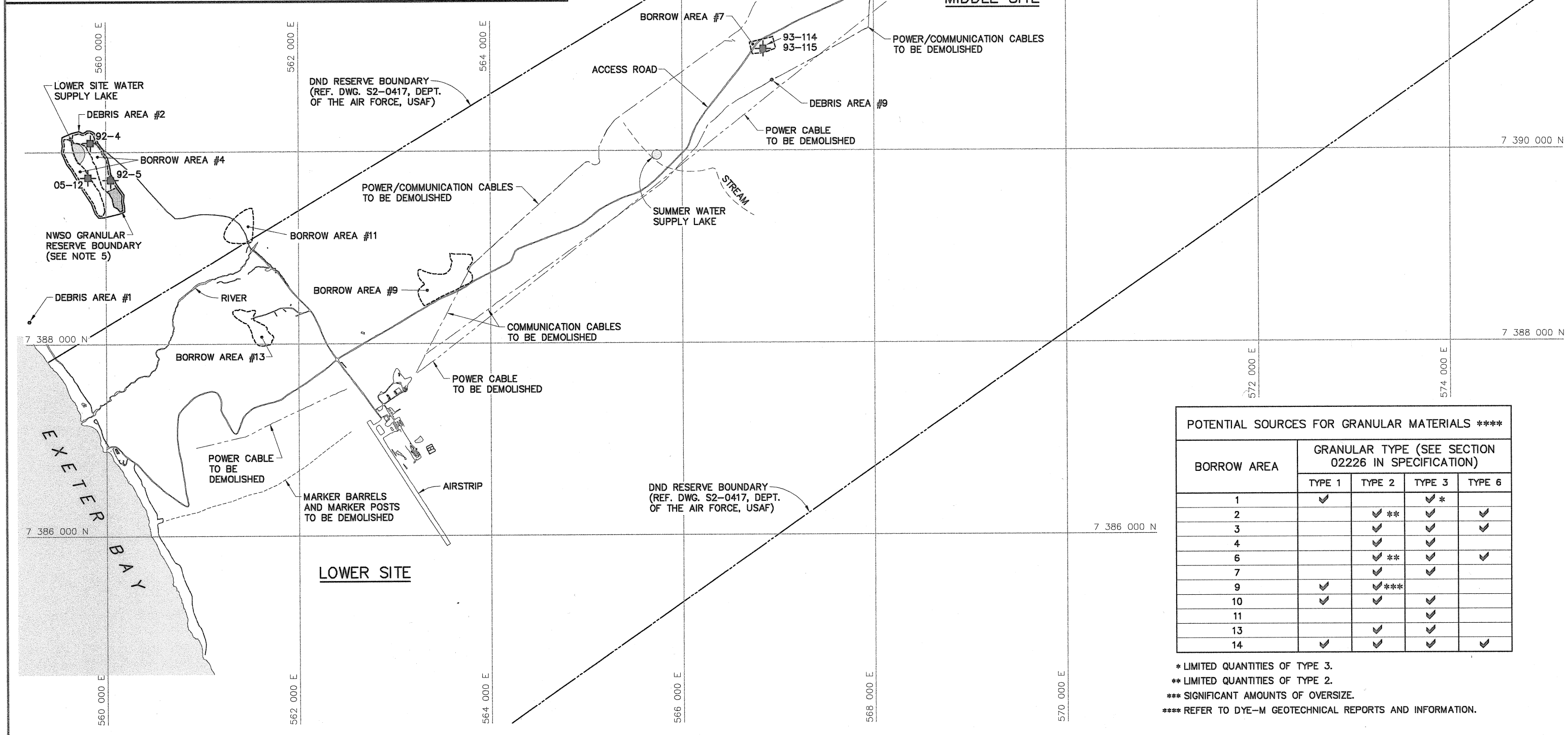
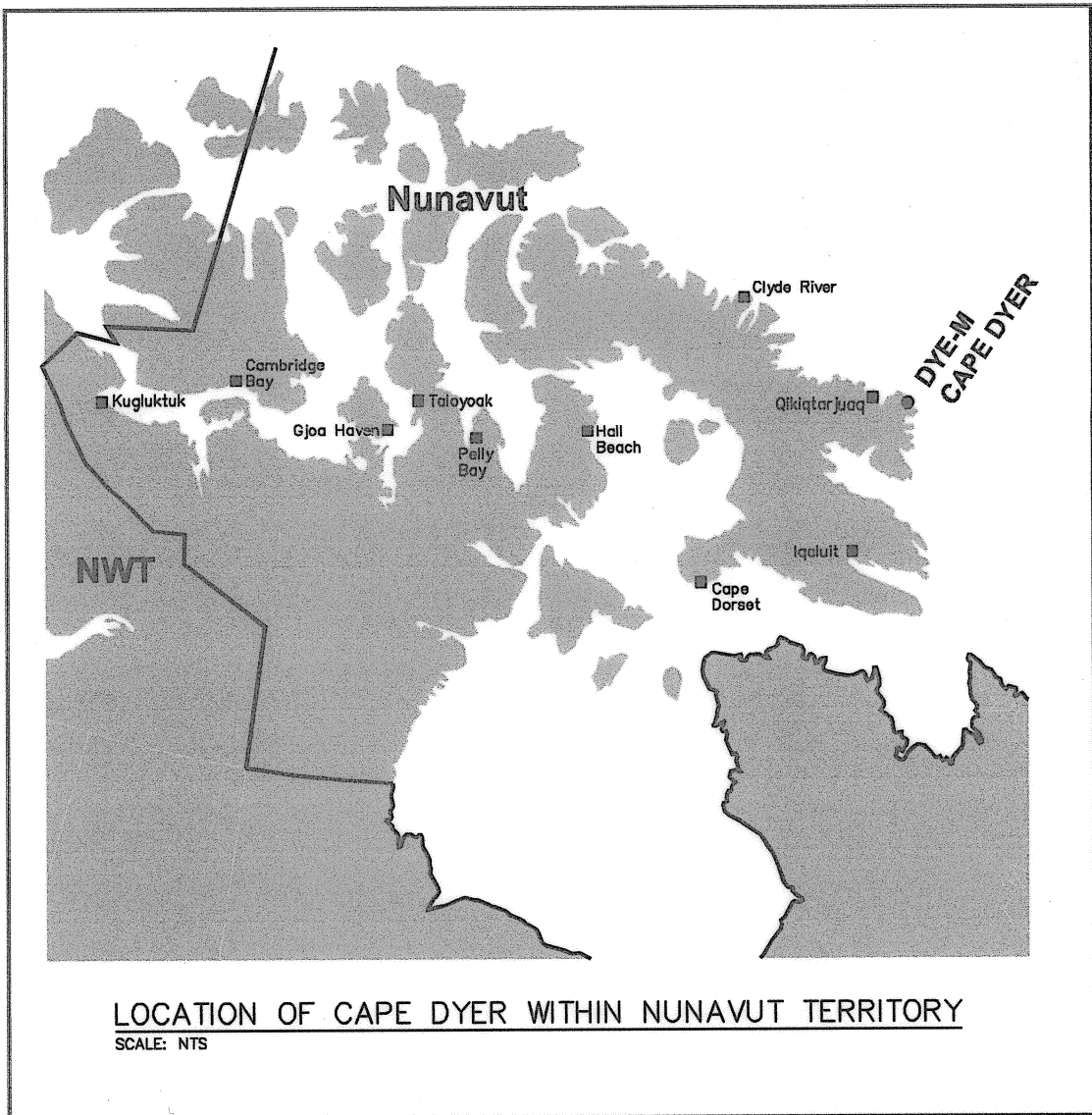
DATE: January 13, 2011

SIGNATURE OF APPLICANT – SIGNATURE DU DEMANDEUR:

  
For Steve Poaps

**Estimated Quantities of Granular Material Available at DYE-M, Cape Dyer**

Borrow Area	Quantity (cubic metres)
1	155,600
2	23,800
3	134,500
4	72,500
6	31,000
7	21,000
9	81,000
10	34,000
11	16,300
13	15,300
14	63,000
<b>Total</b>	<b>648,000</b>



POTENTIAL SOURCES FOR GRANULAR MATERIALS ****					
BORROW AREA	GRANULAR TYPE (SEE SECTION 02226 IN SPECIFICATION)				
	TYPE 1	TYPE 2	TYPE 3	TYPE 6	
1	✓		✓ *		
2		✓ **	✓		✓
3		✓	✓		✓
4		✓	✓		
6		✓ **	✓		✓
7		✓	✓		
9	✓	✓ ***	✓		
10	✓	✓	✓		
11		✓	✓		
13		✓	✓		
14	✓	✓	✓		✓

\* LIMITED QUANTITIES OF TYPE 3.  
\*\* LIMITED QUANTITIES OF TYPE 2.  
\*\*\* SIGNIFICANT AMOUNTS OF OVERSIZE.  
\*\*\*\* REFER TO DYE-M GEOTECHNICAL REPORTS AND INFORMATION.

National

Défense

Defence

nationale

Headquarters

Quartier général

General Notes:

1. ALL COORDINATES ARE REFERENCED TO UTM ZONE 20N, NAD83. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL RELATIVE TO GEOID MODEL CANADIAN HT2\_0.

2. REMOVE ALL SURFICIAL DEBRIS FROM ENTIRE PLAN AREA. ALL NON-HAZARDOUS DEBRIS FROM SOURCES WEST OF BORROW AREA #7 TO BE PLACED IN LOWER SITE NON-HAZARDOUS WASTE LANDFILL. ALL NON-HAZARDOUS DEBRIS FROM SOURCES EAST OF BORROW AREA #7 TO BE PLACED IN UPPER SITE NON-HAZARDOUS WASTE LANDFILL.

3. REFER TO TABLE 02219-1 IN SPECIFICATIONS FOR DESCRIPTION OF DEBRIS AREAS.

4. REMOVE AND DISPOSE OF ALL SURVEY STAKES AND SAMPLE TAGS FROM ALL SITE AREAS.

5. NWSO GRANULAR RESERVE IS NOT AVAILABLE FOR USE BY THE CONTRACTOR.

Legend:

APPROXIMATE LOCATION OF PROPERTY BOUNDARIES

APPROXIMATE EXTENT OF BORROW AREAS

TEST PIT LOCATION

BODY OF WATER

No.	DATE	REVISION	REVISION	APPR.

PERMIT TO PRACTICE

AECOM Canada Ltd.

Signature: *[Signature]*

Date: *Dec 10/16*

PERMIT NUMBER: P639

NWT/NU Association of Professional Engineers and Geoscientists

AECOM

HATCH

SCALE - ECHELLE 400 200 0 400 800 1200m

PROJECT - PROJET DYE-M CAPE DYER

DEW LINE CLEAN UP

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TRADE - METIER SITING

DATE 2010-12-07

SUBJECT - SUJET

OVERALL SITE PLAN

PRODUCTION

CONCURRENCE - ASSENTIMENT

DESIGNED ETUDIE DTM/TME

DES OFF AGENT CONCEPT

DRAWN DESSINE IC/CAE

SECT HD CHIEF SECT

CHECKED VERIFIE BWF

DES MGR GEST CONCEPT

COORDINATION RRM

REVIEWED - REVU

DWG. NO. - DESSIN NO.

H-C75/3-9101-101

Canada