

**APPENDIX A**  
**KUGLUKTUK WATER SUPPLY IMPROVEMENTS**  
**ABANDONMENT & RECLAMATION PLAN**

**NUNAVUT**

*July 2008*

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## **Abandonment and Reclamation Plan**

### **1. Preamble**

This Abandonment and Restoration (A&R) Plan is in effect as of July 1, 2008. All plans, licences and permits will be reviewed with employees and contractors when hired and copies of the plans will be available in the office tent for reference.

### **2. Introduction**

The objective of this project is to provide a long-term potable water supply for the community of Kugluktuk, Nunavut. A drill program will explore the possibility of extracting groundwater from a sub-river aquifer in sufficient quantity and adequate quality to satisfy the community's requirements.

### **3. Schedule**

The final restoration of this exploration program will occur once the program is complete. The drill rig will be mobilized in late July/early August and will be demobilized either by air or sealift backhaul upon completion of the drilling program.

### **4. Infrastructure – Fuel Caches**

A fuel cache will be established at the drill. Fuel will be purchased locally.

The fuel will be stored in neat, orderly rows with enough space between rows to allow for inspections. Bungs will face 3 and 9 o'clock. The fuel cache will be inspected daily. A spill kit will be located at the fuel cache.

## **Final Abandonment and Reclamation**

### **Fuel caches and Chemical Storage**

All fuel drums will be removed. All areas where there have been fuel caches will be thoroughly inspected. Any contamination will be cleaned up as well as any debris removed. Contaminated soil will be handled as per the Spill Contingency Plan. Final photos will be taken of all fuel caches for inclusion in the final report.

All chemicals will be removed from site. Areas where chemicals have been stored will be inspected to ensure that there has been no contamination.

### **Sumps**

All sumps will be inspected to ensure that there is no leaching or run-off. Sumps will be back-filled and levelled as required. Final photos will be taken.

### **Drill Sites**

The drill will be dismantled into its main components as per the drilling contractor procedure, packaged and secured along with its ancillary equipment and rods. The drill will be flown out by the drilling contractor.

All drill sites will be inspected for soil contamination.

An inspection will be conducted to ensure that all drill sites are/have been restored and sumps have been covered and levelled.

### **Contamination Clean Up**

Any contamination will be treated as per the Spill Contingency Plan. Before and after photos will be taken to document the contamination and the clean up. These photos will make up part of the final report to be submitted to the Water Resource Officer following any spill and will also be attached as part of the Annual Report submitted to the Nunavut Water Board.

### **Inspection and Documentation**

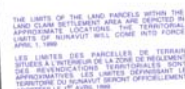
A complete inspection will be conducted of all areas prior to closure. Photos will be taken to document the conditions prior to leaving the site for use in the final plan. All appropriate agencies will be contacted and notified once the final clean up has been conducted. The photos will make up part of the final closure reports to be submitted to the Nunavut Water Board.

**Emergency Contact Information**

<b>CONTACT</b>	<b>TELEPHONE NUMBER</b>
Andrew Keim - INAC Water Resource Officer, Iqaluit	(867) 975-4295
Melissa Joy - INAC Water Resource Officer, Kugluktuk	(867) 982-4302
Environment Canada	(867) 975-4644, 24hr page (867) 766-3737
Nunavut Department of Environment	(867) 975-5910
DFO	(867) 979-8007
Air Tindi	(867) 669-8212
Yellowknife Fire Department	(867) 873-2222
Stanton Regional Hospital – Yellowknife	(867) 920-4111
Sudhir Kumar Jha – Project Officer, GN	(867) 983-4008

# **Appendix I**

## **MAPS**



Blumtornel	Blumtornel 44
Cabini	Cabini
Campanile	Tempi di campane
Claret	Claret
Ferry	Quarantini
Fiori	Fiori
Gi Pipitone	Gi Pipitone
Park	Park
Proton Approximate	Proton Approximate
Proton Road	Proton Road
Strong Bag	Strong Bag
Succumb Line	Succumb Line
Under Construction	Under Construction
Underground	Underground
Wall	Wall
Wonder Road	Wonder Road

For a complete glossary see inside this book

Abund.	Abundant	Wooded
Co	County	Conts
Fz	Fern	Typical
B	Indian Botany	Native of
Wm	Wormwood	Moss-like
SCW	Small Canebrake	Small Canebrake

TEN THOUSAND METRE  
UNIVERSAL TRANSVERSE MERCATOR GRID  
ZONE 11  
QUADRILLAGE DE DIX MILLE MÈTRES  
MONTURE UNIVERSIELLE DE MERCATOR

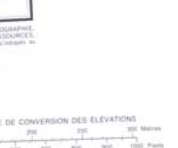
TABLEAU DE CONTINGENCE  
DE L'ÉVALUATION DE  
LA FORME  
DES BÂTIMENTS

1.1.10

1.1.10.1 - Valeurs d'identification  
des variables de la table  
de 1.1.10.1.1

ME	PE
NE	SE

1.1.10.1.1

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Produced by the SURVEYS AND MAPPING BRANCH,  
DEPARTMENT OF ENERGY, MINES AND RESOURCES  
(based from 1:50,000 maps, information current as shown in  
caption. Published in 1979).

Copies may be obtained from the Canada Map Office,  
Department of Energy, Mines and Resources, Ottawa,  
or your nearest map dealer.

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Department of Energy, Mines and Resources

INTERIM CORRECTIONS 1985

Notes: Offshore activity by sector for the District of Columbia, 1980-1

COPPERMINE  
DISTRICT OF MACKENZIE  
NORTHWEST TERRITORIES

Réponse	Réponse	2 points ou moins	plus than 2 points
bonne ou stabilisée surface, et weather	propre, apparence, toute surface	2 points ou moins	plus than 2 points
bonne surface de weather	de propre temps per	2 points ou moins	plus than 2 points
est trace	de terre		
perle, est line et portage	perle, perle et portage		

Magnético declination 1977 correto com 41°40' latitude e correto al word edge to 40°40' latitude al correto al word edge. Mean annual change declination 13.2.

De declination magnético bore 1977 correto com 41°40' latitude e correto al word edge a 40°40' latitude al correto al word edge. Variação anuais declinação 13.2.

Note: Los Ties de largo Nudo pertenecientes al Distrito de Progreso (D. N. 11).

Édité par le **DIRECTEUR DES LÉVELS ET DE LA CARTOGRAPHIE,**  
**MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES.**  
Tous les cartés au 1:50 000. Remarque: ce plan fait partie du  
système. Publié en 1975.

Ces cartes sont en vente au Bureau des Cartes et Canets  
minérales de l'Énergie, des Mines et des Ressources, Ottawa.  
ou chez le vendeur le plus près.

© 1975. Sa Majesté La Reine du Chef du Canet  
Ministère de l'Énergie, des Mines et des Ressources.  
Imprimé au Canada par le Service de l'Énergie, des Mines et des Ressources.

THE AUTHOR

CONVERSION SCALE FOR ELEVATIONS

Meters	10	20	30	40	50	60	70	80	90	100
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Random Interval: 15 Minutes

plains in Western above Mean Sea Level  
from American Indian 1907

Transverse Mercator Projection

Echelle de conversion des élévations

0 50 100 Kilometres

400 500 600 700 800 900 1000 Pa

Équidistance des côtes 20 mètres.

Sección de sistemas plurilingües más avanzada, 1817

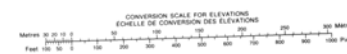
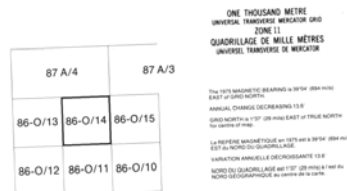
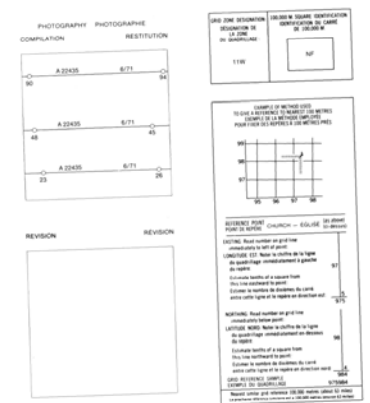
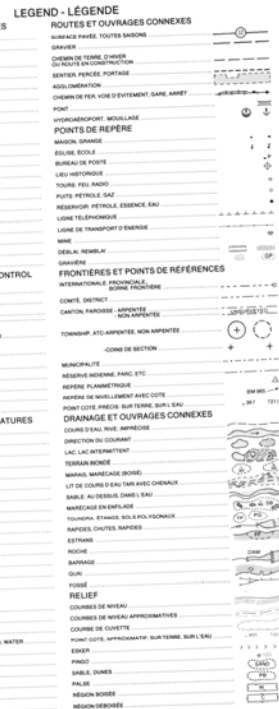
Project has been approved by the Ministry of Health

99	99.1	99.8	99.1	99.9	
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more to adjoining Maps of the National Topographic System

Tableaux I résumant les Systèmes nationaux de comptabilité de l'énergie.



86-O/14  
EDITION 2 •

EDITION 2 •



