



***ABANDONMENT & RESTORATION PLAN***  
***Forum Uranium Corporation***

**North Thelon Project, NU**

Date: March 2014

## **TABLE OF CONTENTS**

<b>INTRODUCTION.....</b>	<b>1</b>
Description of Facility.....	1
 <b>ONGOING OPERATIONS, SEASONAL ABANDONMENT, FINAL ABANDONMENT AND RESTORATION PLANS .....</b>	 <b>2</b>
<b>ONGOING OPERATIONS.....</b>	<b>2</b>
Drill Hole Locations .....	2
Core Storage.....	2
Fuel Storage.....	2
Contamination Clean Up .....	2
Camp .....	3
 <b>SEASONAL ABANDONMENT .....</b>	 <b>3</b>
<b>FINAL ABANDONMENT AND RESTORATION .....</b>	<b>3</b>
Drill Hole Locations .....	3
Fuel Storage.....	3
Camp .....	3
 <b>APPENDIX 1 –Maps</b>	

## **INTRODUCTION**

The following plan applies to the North Thelon Project operated by Forum Uranium Corp. ("Forum"). The North Thelon Project is in the Kivalliq Region of Nunavut, approximately The North Thelon Project is 30-90 km from Baker Lake, and 320 km from Rankin Inlet and consists of both Inuit-Owned Lands (surface rights) and mineral claims on Crown

Forum Uranium Corp. controls 235 mineral claims for the North Thelon Project which consists of 189 100% Forum-owned claims, 36 claims optioned from Agnico-Eagle Mines Ltd. (in the process of purchasing 100% ownership) and 4 100% Forum-owned claims acquired through a Memorandum of Understanding with Nunavut Tunngavik Incorporated and now generally referred to as the Ukaliq Project. Of these claims, 119 fall on Inuit owned land (IOL) parcel BL-19, 12 fall on BL-31 three of the Ukaliq Project claims fall on IOL parcel BL-21, and one Ukaliq Project Claim covers the entirety of BL-32. All fieldwork planned on IOL will occur within the bounds of IOL parcels BL-19, BL-21, BL-31 and BL-32, located approximately 64° 15'N / 96° 33' W and 64° 44' N/ 97 ° 58' W. All work planned on Crown Land will fall between approximately 64°13'N/ 98° 00' W and 64° 23'N/ 97° 34' W.

Currently, Forum Uranium's land use permits (both IOL and Crown Land), and Water Licence have expired. These are being re-applied for.

Work on IOL will be on parcels BL-19, BL-21, BL-31, BL-32 which fall on NTS maps sheets 66A04 to 66A07, 66A10 to 66A12, 66B01, 66B02, 66B07 and 66B08. Field work planned for the IOL parcels BL-19, BL-21 and BL-32 will encompass ground geophysics, geological mapping, prospecting, and rock sampling. In addition to these activities, core or reverse-circulation drilling will be conducted in selected areas of these IOL parcels. All work on IOL will be conducted under a KIA Land Use Permit KVL307C01 (currently being renewed).

Activities planned for Crown Land will fall on NTS map sheets 66A04 to 66A06, 66A09 and 66A10, as well as 66B01 66B02 and 66B08. A core drilling campaign as well as further ground geophysics, geological mapping, prospecting and rock sampling is planned for select areas on Crown land. All work on Crown Land will be conducted under Aboriginal Affairs and Northern Development Canada (AANDC) Land User Permit Number N2007C0017 (currently being renewed/re-applied for), and Prospector's License 33272.

The exploration program outlined is Forum Uranium Corp.'s optimal plan for 2014. Forum is optimistic that the full program will be conducted but modifications to this plan may be necessary due to financial or logistical reasons.

## **DESCRIPTION OF FACILITY**

Project Manager     Anthony Williamson

Phone: 250-897-8000

Facility – Although previous work was conducted out of a camp at Thom Lake, potentially work will now be carried out of a temporary camp on Judge Sissions Lake within IOL parcel BL-21 (see map). The main camp site is an ancient raised beach, situated over 100m away from the eastern shoreline of Judge Sissions Lake.

The camp consists of 14 canvas wall tents on wood platforms, 30'x30' wood-frame kitchen and dry (showers) complex, 1 10'x10' generator shack, 2 4'x4' incinerator latrines, 1 4'x4' "honeybag" latrine and 1 waste incinerator. The camp is laid out roughly in two parallel NW rows. A nearby esker (~200m north) is suitable as an airstrip for tundra-tired aircraft and a large bermed fuel cache was established there. The camp would house a maximum of 19 people but would normally house between 10-14 individuals. Transportation will be by chartered fix wing and helicopter.

Lat (degree/minute)

62° 16.66821"

Long (degree/minute)

94° 32.70708"

Locations – Fuel will be stored in an appropriate facility or containers a safe distance from the accommodations and away (>100m) from water bodies.

Size - Fuel stored at facility in 205 litre (45 gal.) steel drums

Storage Capacity – Maximum fuel stored at camp will typically be 60 drums (12,300 litres) of Jet-B, 80 drums of diesel (16,400 litres), 4 drums reg gasoline (820 litres) plus 10, 45 kg propane cylinders

A minor amount of fuel will be stored at drill sites (4 to 6 drums diesel, 2 drums Jet B, 2 cylinders propane), and removed promptly upon completion of each drill hole.

*Description of the type and amount of potential contaminants normally stored at the camp during occupation (estimated maximums):*

JET B fuel for the helicopter – 12,300 litres (60 drums)  
Propane for cooking, heating, etc. - 12, 45 kg cylinders  
Diesel – 16,400 litres (80 drums)  
Oil – 2 cases 1 litre bottles (24 per) of four-cycle Engine Oil  
2 stroke oil – 1 case 1 litre bottles (24 per)  
Gasoline – 820 litres (4 drums)

*Description of the type and amount of potential contaminants normally stored at drill site:*

JET B fuel for the helicopter – 410 litres (2 drums)  
Diesel for the drill - 1,230 litres (6 drums)  
Propane for heating, etc. - Two (2) 45 kg cylinders

Storage Location - Drums will be stored on flat stable terrain during the summer to reduce chances of a leak and bungs will be placed in a horizontal alignment position. If possible a site will be chosen such that drainage would not be toward natural water bodies.

## **ONGOING OPERATIONS, SEASONAL ABANDONMENT, FINAL ABANDONMENT AND RESTORATION PLANS**

### **ONGOING OPERATIONS**

The exploration season for the North Thelon Project will typically run from early June to the middle of October of each year, weather permitting, while respecting the restrictions of the caribou calving season. Restoration during operations for drilling, fuel storage, contamination clean up and camp operations are described below.

#### **Drill Hole Locations**

- Each drill hole will be restored to as close as possible, previous conditions after completion of the hole
- If uranium mineralization is encountered in a drill hole and down hole conditions are such that drill return circulation persists, a drill cuttings separator will be employed to remove the radioactive material from the drilling fluids. Drill mud solids or cuttings with uranium concentration greater than 0.05 per cent must be collected pending completion of the hole at which time they will be disposed down the drill hole and sealed by grouting the upper 30 meters of bedrock.
- Any drill hole that encounters mineralization with uranium content greater than 1.0 per cent over a length of more than 1.0 meter, and with a metre-per-cent concentration greater than 5.0, will be sealed by grouting over the entire length of the mineralization zone and not less than 10 metres above or below each mineralization zone. The top 30 metres of the hole within bedrock will also be sealed by grouting once any radioactive cuttings and sludge have been disposed down the hole.
- If hole is drilled on-ice the drill cuttings will be scraped clean and removed to an on-land sump
- All fuel drums and drilling equipment will be removed from the site immediately upon completion of each hole.
- Each drill site will be inspected to ensure that all garbage (combustible and non-combustible) has been collected and removed from the area.
- A final inspection of the site will ensure that there is no remaining material at the site upon completion of the drill hole.

#### **Core Storage**

- A separate logging tent will be used at the camp for handling and temporary storage of radioactive core having a uranium content greater than 1.0 percent over a length of

more than 1.0 metre. Once the uranium content has been established by assaying, a decision will be made on the long range storage of the core. If stored on the property, it must be a minimum of at least 30 metres away from the high water mark of any adjacent water body, where any direct flow into a water body is not possible and no additional impacts are created. Additionally, radiation levels must be reduced to less than 1.0uSv measures at 1 metre from the surface and in no instance will the level be allowed to exceed 2.5 uSv. To avoid the difficulties involved with long term storage of highly radioactive core on the property, the Company will ship the mineralized intersections, with greater than the minimum radiation levels stated above, in their entirety to the Saskatchewan Research Council laboratory in Saskatoon. The core will in all probability undergo further testing and any remnants will be stored in the laboratory's approved radioactive materials storage facility.

### **Fuel Storage**

- All fuel storage and handling is to be guided by the procedures set out in the Spill Contingency Plan for the North Thelon Project.
- Empty fuel drums are to be regularly backhauled to an approved facility for proper disposal.

### **Contamination Clean Up**

- Any soil around fuel caches or drill sites that has become contaminated will be treated as per Forum's Spill Contingency Plan. Before and after photos will be taken to document the contamination and the clean up.

### **Camp**

- Garbage is to be regularly transported to an approved facility for proper disposal.

## **SEASONAL ABANDONMENT**

The camp will be left with all garbage removed and prepared in a manner so as to not attract wildlife.

## **FINAL ABANDONMENT & RECLAMATION**

As work on the properties comprising the North Thelon Project is currently in the grass roots stage of exploration activities, it is not practicable at this time to subscribe to a definitive schedule for the conclusion of this land use operation, however upon its completion the following procedures will be followed to allow for proper abandonment and reclamation of the area:

### **Drill Hole Locations**

- As per the ongoing restoration procedures all drill holes are to be restored to as close as possible, previous conditions immediately upon completion of the hole.
- If uranium mineralization is encountered in a drill hole and down hole conditions are such that drill return circulation persists, a drill cuttings separator will be employed to remove the radioactive material from the drilling fluids. Drill mud solids or cuttings with uranium concentration greater than 0.05 per cent must be collected pending completion

of the hole at which time they will be disposed down the drill hole and sealed by grouting the upper 30 meters of bedrock.

- Any drill hole that encounters mineralization with uranium content greater than 1.0 per cent over a length of more than 1.0 meter, and with a metre-per-cent concentration greater than 5.0, will be sealed by grouting over the entire length of the mineralization zone and not less than 10 metres above or below each mineralization zone. The top 20 metres of the hole within bedrock will also be sealed by grouting once any radioactive cuttings and sludge have been disposed down the hole

### **Fuel Storage**

- All fuel storage and handling is to be guided by the framework set out in the Spill Contingency Plan for the North Thelon.
- Upon completion of the land use operation all empty fuel drums will be removed from the area for proper disposal and any remaining fuel caches will be moved to an approved/permitted storage location.

## APPENDIX 1

### North Thelon Project, NU Maps

