Western Uranium Development Corp.
Abandonment and Restoration Plan
Sandy Lake, Keewatin,NT
Diamond Drilling Program 2007
Nunavut Water Board

Preamble

The Abandonment and Restoration Plan is effective from March 1, 2007 to the completion of the program and applies to Sand Lake area Diamond Drilling Program and Camp in the Keewatin District of Nunavut, north latitude 65 º 17.3' and west longitude 99° 35.5'. The program will be conducted under Land Use permit from INAC and a water licence from Nunavut Water Board (NWB). Application has been made for both.

Introduction

This abandonment and restoration plan has been prepared to cover the diamond drilling program and the associated camp. The program is scheduled for the late winter and spring of 2007 and 2008. The camp for this program will be installed and managed by Matrix Aviation Solutions, Yellowknife, NT. Both the camp and the diamond drilling are being conducted on crown land.

Schedule

The shutdown of the drill operation will be conducted within 5 days of the completion of the drilling activities. Restoration activities at each individual site will occur immediately following the completion of the hole and removal of the drill. This progressive form of restoration results in little to no disturbance to the environment.

Infrastructures currently on site

No drilling equipment is on site until immediately before the program begins. Prior to the program beginning the drills will be mobilized to the Sand Lake camp and from there air lifted by helicopter to the individual drill sites.

Seasonal Shutdown and Restoration Plan

Fuel and Chemical Storage Facilities

If the drilling program continues over a multi year period an inventory of remaining fuel will be made and full drums will be inspected and secured after the first season of drilling.

Empty drums will be flown out to source. Empty propane cylinders will be flown out to source.

Chemical stored on site will consists of drill additives, oil, and grease. All drill additives will be stored in a secure weather proof area at the Sand Lake camp. Empty containers for drill additives will be disposed with the daily solid waste garbage.

After the drilling season all activity areas will be inspected for fuel staining and any stained areas will be treated with Biozyme OT 8 Biological Oil Stain Remover (MSDS attached) or removed for disposal in an approved land fill.

Drilling Equipment
If the program continues over a multi year period all drilling equipment will be removed from the area during the period it is not working.

Documentation
Materials left on site will be inventoried. Photos of storage sites prior to storage will be taken. Once the site secured for the season, it will again be documented with photos.

Final Abandonment and Restoration Plan

Fuel and Chemical Storage Facilities
At the completion of the project all fuel containers both full and empty will be removed from the site. In addition the containment berm for the fuel storage will be removed. The area of the fuel storage will then be inspected for staining and undetected spills and any stained or contaminated areas will be treated appropriately. Stained areas will be treated with Biozyme OT 8 Biological Oil Stain Remover. Soil in contaminated areas will be removed to an approved disposal area.

All propane cylinders, full or empty, will be flown out to source.

Chemical stored on site will consists of drill additives, and oil. All drill additives will be stored at the staging area of the Sand Lake camp. Upon program completion, any unused drilling additive, oil or grease will be returned to the staging area and from there flown to Yellowknife. Half empty containers will be flown to Yellowknife for use or disposal. Empty containers will be removed to Yellowknife.

Drilling areas restoration
At the end of the program 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 initially demobilized to the Sand Lake camp and then removed from the site.

At the completion of each hole the drill sites will be inspected for soil contamination. Any remaining waste will be taken to the staging area at the Sand Lake camp and incinerated (if possible) or flown out to an approved municipal land fill. Individual drill sites will be restored immediately after the drill has been moved to the next site. The restoration of the individual drill sites will include:

- Leveling of on shore sumps and disposal of drill cuttings and disposal in a manner approved by Land Use Inspector
- Removal and treatment of all contaminated snow and ice
- Removal or treatment of oil contaminated soil
- Removal of all drill associated equipment and blocks
- Leveling of any disturbed soil
- Disposal of drill cuttings with a uranium concentration greater than 0.05% down the drill holes
- Cementing over the entire mineralization zone; this should be at least 10 meters above and below each mineralization zone for drill holes that encounter uranium mineralization with a content greater than 1.0% over a length of more than 1 meter with a meter-percent concentration greater than 5% should be sealed by.
- Core storage areas will be located at least 100 meters from the high waterline of all water bodies.
- Gamma radiation levels of a long-term core storage area will not be greater than 1.0 μSv, and should never exceed 2.5 μSv

Camps and infrastructure
All camp structures and facilities will be completely removed from the site and the camp site will be returned, as near as possible to its original condition.

All water intake structures will be removed from the site.

All sumps for sewage and grey water will be backfilled and be contoured to match the surrounding landscape to encourage re-vegetation of the site.

Documentation and Inspection
Photos of all individual drill sites prior to drilling will be taken. Monitoring will be done during occupancy and photos taken. Once the site restored, it will again be documented with photos. Soil contaminated by hydrocarbons and unnoticed before abandonment will be treated as per the spill contingency plan. A final site inspection visit with community representatives, Land Use Inspector and in collaboration with NWB staff will be organized by the permit holder.

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MATERIAL SAFETY DATA SHEET
PRODUCT
OT8

1. DESCRIPTION / PROPERTIES (nature, reactivity):

A unique biological cleaner designed to remove residues of oils, greases and other hydrocarbon products by enhanced bacterial degradation. Aqueous suspension of selected natural bacteria, nutrients and cleaning agents. Cleans off hydrocarbon residues by bacterial oxidation to carbon dioxide and water, with no adverse environmental impact or harmful residues. Application rate is approximately 0.5 – 2.5 square metres per litre depending on surface porosity.

2. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS NO	EINECS	% CONCENTRATION	HAZARD	RISK PHRASES	WEL
Orange terpene	8028-48-6	232-433-8	10 → 30%	X_n	R10,38,65,52/53	-
Dipropylene glycol mono methyl ether	34590-94-8	252-104-2	0 → 5%	-		WEL
Isopropylamine dodecyl benzene sulphonate	26264-05-1	247-556-2	5 → 10%	X_i	R41, 38	-
Alcohol ethoxylate	*	*	0 → 5%	X_n	R22, 41	-

* Proprietary status pending

3. HAZARD INDENTIFICATION

a) **Fire/Explosion Hazard (stability, flammability, combustion products):**
Product is not classified as combustible or flammable.

b) **Health Hazard (inhalation, ingestion, contact with skin or eyes):**
Irritating to skin and eyes. Avoid contact with skin and in particular, with the eyes. Low risk from inhalation but avoid excessive inhalation of vapour e.g. on heating etc. Low order of acute oral toxicity but do not ingest.

c) **Environmental Hazard:**
Not classified as hazardous to the environment.

4. FIRST AID MEASURES

INHALATION - Low risk in normal usage. Remove to fresh air. Rest and keep warm. If symptoms of distress persist seek medical attention.

SKIN CONTACT - Wash affected area thoroughly with clean water. Remove contaminated clothing and launder before re-use.

EYE CONTACT - Irrigate with plenty of clean water. Obtain medical advice.

INGESTION - Do not swallow, wash out mouth with water. If swallowed drink water and obtain medical attention. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:
If involved in a fire, use extinguishing media appropriate to the source of the fire.
Protection for fire fighters:
Wear self-contained breathing apparatus. Wear protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:
Mark out contaminated area with signs and prevent access to unauthorised personnel.
Environmental Precautions:
Prevent discharge of large quantities to drain or water courses.
Clean up Procedures:
Disperse small spillages with large excess of water. Large spillages - contain, absorb and pick up, place in sealed containers for disposal via licensed contractor. Wash down traces with excess of water.

7. HANDLING AND STORAGE

Handling:
After handling wash hands and face with soap and water.
Storage:
May be stored for periods over six months in plastic containers as supplied. Avoid temperatures above 45 ^{o}C and protect from frost.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

WEL (2-methoxymethylethoxy)propanol 8hr TWA 50ppm / 308mg/m^3 (EH40 2005)
Under normal conditions of use this limit is unlikely to be exceeded.

Engineering Controls:	Provide eyewash station. Ensure good natural ventilation.	
Personal Protection:	**Hand:**	Use protective gloves made of neoprene or nitrile.
	Eyes:	Wear safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Density at 20^{o}C	:	0.95 – 0.97
Vapour Pressure at 20^{o}C	:	Essentially Water Vapour
Solubility in Water	:	Disperses
pH	:	6.0 - 7.5
Flash Point	:	N/A

10. STABILITY AND REACTIVITY

Stability: Stable.
Materials to avoid: No known adverse reactions.
Hazardous decomposition products: No typical hazardous decomposition products known .

11. TOXICOLOGICAL INFORMATION

Health Effects:

Respiratory:	Not likely to occur.
Skin:	Irritating to skin on prolonged or repeated skin contact.
Eyes:	Irritating to eyes.
Ingestion:	Low acute toxicity. May cause irritation to mucous membranes in mouth, throat, stomach and intestinal canal.

Toxicological Data:

For individual components:

Component	Acute Toxicity
Dipropylene glycol mono methyl ether	LD50 oral (rat): 5000mg/kg
Orange terpenes	LD50 oral (rat): 4400mg/kg
Isopropylamine dodecyl benzene sulphonate	LD50 oral (rat): >2000mg/kg
Alcohol ethoxylate	Oral: 200< LD50<2000mg./kg Dermal: LD50>2000mg/kg Inhalation: LC50>5mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity:

For individual components:

Component	Acute Toxicity
Orange terpenes	EC50 Daphnia magna 48h 12.3mg/L
Alcohol ethoxylate	Fish: 1< LC50<10mg./L Daphnia: 1< LC50<10mg./L Algae: 1< LC50<10mg./L

Degradability:

All components are readily biodegradable.

Bioaccumulation:

No bioaccumulation is expected. The product is biodegradable and water-soluble.

13. DISPOSAL CONSIDERATION

Disperse small spillages with large excess of water. Return unwanted material to the supplier.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport.

15. REGULATORY INFORMATION

Irritant X_i

R36/38 Irritating to skin and eyes.

S02 Keep out of the reach of children.
S26 In case of contact with the eyes rinse immediately with plenty of water and seek medical advice.
S37 Wear suitable gloves.

Regulatory Information:

UK Regulatory References: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002.
EH40/2005 Workplace Exposure Limits 2005.

EC Directives: Dangerous Preparations Directive (1999/45/EC).
Safety Data Sheets Directive (2001/58/EC).

Approved Code of Practice: The Compilation of Safety Data Sheets.

16. OTHER INFORMATION

PLEASE NOTE:

The above information is based on the present state of our knowledge at the time of publication. It is given in good faith, no warranty is implied with respect to quality or specification of product. The user must satisfy himself that the product is entirely suitable.

Signature: _____ **Date: 9th August 2005**