



## APPLICATION FOR LAND USE PERMIT

### Privacy Act Statement

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### For Office Use Only

Application Fee	Land Use Fee	General Receipt No.	Date	Class	Permit Number
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To be completed by all applicants ► ☒ New Application ☐ Amendment

1. Applicant's Name and Mailing Address (Full name, no initials) Carl Trevor Perkins, Perkins Exploration Consulting 207 Scissons Court, Saskatoon, Saskatchewan S7S 1B8			Facsimile Number 855 487-5635
			Telephone Number 306 361-1253
2. Head Office Address URU Metals Inc. Suite 702 - 85 Richmond Street West, Toronto, Ontario M5H 2C9			Facsimile Number 416 504-3982
			Telephone Number 416 504-3978
Field Supervisor C. Trevor Perkins	Radio Telephone	E-Mail Address perkins.exploration@sasktel.net	Telephone Number 306 361-1253

3. Other Personnel (Subcontractor, Contractors, Company Staff, etc.)

2 air crew (pilot and engineer), 2 geologists, 2 technicians  
5 drilling contractors.

Total ► 10-14

4. Qualifications Refer to Section 21 of the <i>Territorial Land Use Regulations</i>		Number(s) exploration permit mineral claims (If applicable)
a(i) <input type="checkbox"/>	a(ii) <input type="checkbox"/> a(iii) <input type="checkbox"/> b <input type="checkbox"/> c <input checked="" type="checkbox"/>	Mineral Lease F56800, Claims F1501-1504, K03079-03108

5. a) Summary of Operation (Describe purpose, nature and location of all activities.)

Refer to Section 22(2)(b) of the *Territorial Land Use Regulations* (Use last page of form if necessary.)

Uranium exploration project - diamond drilling, geological mapping and sampling. Daily helicopter deployment of field workers from camp to drill sites/exploration site. Possible use of fixed wing aircraft to access some areas.

b) Please indicate if a camp is to be set up (Use last page to provide details.)

No camp required for initial program. A camp for up to 25 people may be required at a later date.

6. Summary of potential environmental and resource impacts

(Describe the effects of the proposed program on land, water, flora and fauna and related socio-economic areas.)  
(Use separate pages if necessary.)

Noise from drilling, helicopter, fixed-wing aircraft may affect wildlife. Drill holes will be backfilled once complete. Water from nearby lakes will be used for drilling activities. Diamond drilling will require sumps to contain drilling fluids and recirculating of drill fluids to minimize water usage will be done whenever possible. Where possible our exploration will attempt to use local residents (Lac Brochet, MB and Arviat, NU) as employees, contractors and service providers.

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21. Additional Information (Attach additional pages if necessary.)

Exploration Camp

For the initial field program, rather than constructing a field camp, an agreement is being negotiated to share a camp with Prosperity Goldfields at Kiyuk Lake 40 km to the northwest. As the program progresses, a camp for up to 25 people may be required at Sandy Beach (Map attached).

Fuel

The majority of the fuel will be stored at the Kiyuk Lake camp. The fuel quantities discussed in this application apply to the amounts that may be present at the project site. This will be restocked on an as-needed basis from the camp.

Exploration Field Work

The exploration field program will consist mainly of two activities. Geological mapping and prospecting will be undertaken on a project scale (1:20,000) across all of the mineral claims. This will consist of ground traverses in crews of 2 people using GPS for location control. The majority of the program will consist of diamond drilling of previously identified targets on the mineral lease (F56800) in the center of the property as well as a small number of targets in the peripheral region. The exploration objective is to follow up mineralization (U-Au) intersected by Cameco in 2008 and find the bedrock source to the high grade polymetallic boulders (U-Au-Mo-Cu-W-Ni-Co) discovered on the property during the 1970s. Targeting will be based on the known mineralized boulder distributions and geophysical surveys already completed. Crews, the drill, and drill supplies will be transported by helicopter and where practical, by float plane.

Proposed Drill programs:

1. Number of Drill Holes: Between 7 and 15 diamond drill holes will be drilled during July to September, 2013. The maximum depth will be approximately 150m with an average depth of 100m. Assuming positive results during 2013, another larger drill program will be anticipated for 2014.
2. Drill Additives: Drilling additives will be non-toxic, NSF approved products where at all possible. At time of issue, the exact compound is not known, as it will be dependent on drill contractor.
3. Drill Cuttings: Drill cuttings will be collected and backfilled upon completion of hole.
4. Drill Water: drill water for diamond drill holes will be collected in a sump and a series of settling ponds so it can be reused for drilling.
5. Mobilization of Drill Equipment: Mobilization of the drill, rods, fuel, and other supplies will be completed by helicopter.
6. Abandonment of Drill Holes: Casing will be removed and all drill holes will be back filled upon completion. They will be plugged and cemented for the top 35 m.
7. Uranium Exploration Drilling: Radiation Exposure and Radiation Protection Measures: Radon monitors will be placed in the drill and at the core shack.

The attached maps show general locations of drill targets for the 2013 season. The number and locations of drill targets for the 2014 season will depend on the results of the 2013 program.

7. Proposed Restoration Plans (Please use last page if required.)

Removal of all structures and other material, and filling of drainage sumps will be completed once exploration ceases. Drummed fuel storage will be secondarily contained by fabric berms.

8. Other rights, licences or permits related to this permit application (Mineral claims, Yukon timber permits, water licences, etc.)  
(Please use last page if required.)

Mineral Lease - F56800

Mineral Claims - F1501-F1504, K03079-K03108

NWB License - application pending

NIRB - application pending

Roads ☒ Is this to be a pioneered road? ☐ Has the route been laid out or ground truthed?

9. Proposed Disposal Methods (Please use last page if required.)

a) Garbage

Disposal at Kiyuk Lake Camp

b) Sewage (Sanitary and Grey Water)

c) Brush and Trees

d) Overburden (Organic soils, waste material, etc.)

10. Equipment (Includes drills, pumps, etc.) (Please use last page if required.)

Type and Number	Size	Proposed Use
Helicopter (1)	AStar B2	Mobilize drill crew, rig, equipment
Diamond Drill (1)	Heli-transportable	Drill 7-15 drill holes
Pump (1)	2" max intake	Supply water for drilling.

11. Fuels	Number of Containers	Capacity of Containers
<input checked="" type="checkbox"/> Diesel	19	206 Litres
<input type="checkbox"/> Gasoline		
<input type="checkbox"/> Aviation Fuel		
<input checked="" type="checkbox"/> Propane	2	100 Lbs
<input type="checkbox"/> Other: _____		

12. Containment Fuel Spill Contingency Plans (Please attach separate contingency plan if necessary.)

If a spill is noticed:

1. Contain spill and stop leak. Spill kits to be located at drill site.

2. Clean up spill and contaminated material

3. Report to proper authorities as soon as possible.

A written spill contingency plan will be developed and provided prior to field work commencing.

13. Methods of Fuel Transfer (To other tanks, vehicles, etc.)

Manual or electric fuel transfer pumps

14. Period of Operation (Includes time to cover all phases of project work applied for, including restoration.)

Geological Mapping and prospecting field work - June-August, 2013

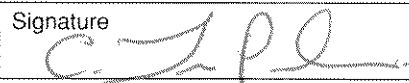
Diamond drilling - July-September, 2013

15. Period of Permit (Up to two years, with maximum of one year extension.) Two Years	Start Date 2013-07-01	Completion Date 2015-06-30
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16. Location of activities by map co-ordinates (Attach maps and sketches.)

Minimum Latitude	Degrees	Minutes	Seconds	Minimum Longitude	Degrees	Minutes	Seconds
60	2.1	(6)		99	50.68	(41)	
Maximum Latitude	Degrees	Minutes	Seconds	Maximum Longitude	Degrees	Minutes	Seconds
60	13.5	(30)		100	10.55	(33)	

Map Sheet Number  
NTS 1:50,000 65B/4, 65C/1

17. Applicant (Print Full Name) CARL TREVOR PERKINS	Signature 	Date 2013/04/16
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18. Fees

<input checked="" type="radio"/> Class A - \$150.00 <input type="radio"/> Class B - \$150.00	\$150.00
Land Use Fees: Less than or equal to 2 hectares	\$ 50.00
For each additional hectare over 2 hectares or portion of a hectare	X \$50.00 =
<b>Total application and land use fees</b>	<b>\$ 200.00</b>

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19. Calculation of area involved (Includes access, staging areas, airstrips, campsites, etc.)

Total Area (Ha)	Less than or equal to 2 hectares	Total (For Fee Calculation)
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20. Application Checklist

- |  |   |
|--|---|
| <input type="checkbox"/> a) Application Signed and Dated | <input type="checkbox"/> e) Screening Report                  |
| <input type="checkbox"/> b) Fees Attached                | <input type="checkbox"/> f) Timber Permit Applied for - Yukon |
| <input type="checkbox"/> c) Map Included                 | <input type="checkbox"/> g) Fees Attached                     |
| <input type="checkbox"/> d) Address and Telephone Number | <input type="checkbox"/> h) Lease Applied for                 |

Remarks (Please use last page if additional space is required.)

Accepted by	Date
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**URU METALS LIMITED  
HAZARDOUS MATERIAL SPILL PLAN**

**Nueltin Lake Project, Nunavut**

Prepared by:  
C. Trevor Perkins, P. Geo  
Perkins Exploration Consulting  
April 2013

### **Record of Revisions**

<b>Rev. No.</b>	<b>Date</b>	<b>Section</b>	<b>Description of Revision</b>	<b>Prepared/Revised by</b>
0	15 April 2013	All	Initial issue	C. Trevor Perkins
1				
2				
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5				
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## **1.0 INTRODUCTION**

The purpose of this plan is to outline procedures in the event of a spill of any hazardous material(s) occurring in the exercise of mineral exploration activities by URU Metals Limited (URU) for an area on the western side of Nueltin Lake in southern Nunavut. URU has exploration rights to a number of claims, and a mineral lease in the Nueltin Lake area, these are shown on the attached map (Figure 1). The area is situated between 60° 2' and 60° 13'N and 99° 51' and 100° 11'W. Project personnel and contractors will be staying at the Kiyuk Lake Camp, run by Prosperity Goldfields (60° 27' 47.67" N, 100° 23' 5.56" W), therefore there will be no new camp in the project area. The activities covered by this plan will include diamond drilling and activities in support of that, mapping/prospecting (walking) traverses, and transportation to, from, and on the property.

The diamond drill, crews, and equipment will be heli-lifted from drill site to drill site, eliminating the need for ground mobilization equipment. All efforts will be made to minimize impact on the environment and will be exercised at all times during the drilling program and prospecting program.

The largest quantities of hazardous materials involved in the proposed operation will constitute liquid fuel, the bulk of which will be stored at the Kiyuk Lake camp. To reduce the potential size of any spill of these products only small caches of diesel (drill) and Jet A (helicopter) fuel will be kept on the property and resupplied as needed.

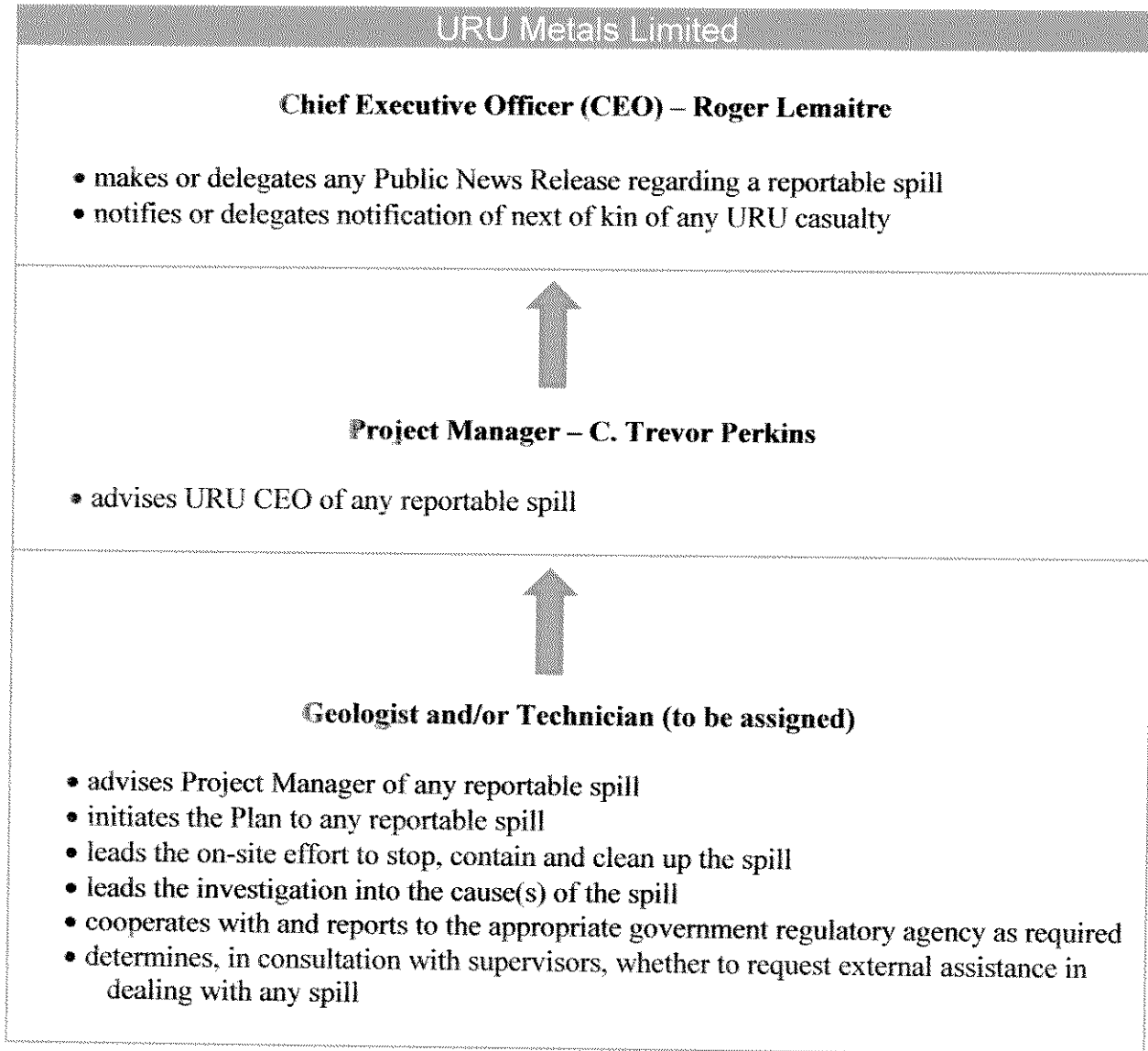
### **1.1 Policy Statement**

URU Metals Limited recognizes safety and health of its workers and the public, protection of the environment, and quality of our processes as the highest corporate priorities during all stages of our exploration activities. As such, we are striving to be a leading performer through a strong safety culture and our commitment to the following principles:

- Keeping health hazards, including radiation exposures, and environmental risks, at levels as low as reasonably achievable;
- Preventing pollution;
- Complying with and moving beyond legal requirements;
- Ensuring quality of processes, products and services; and
- Continually improving our overall performance.



## 2.0 RESPONSE ORGANIZATION



On-site authority will only pass to another party upon instruction from the On-site Coordinator's supervisor(s) and/or authorized personnel of an applicable government agency (for example: Environmental Protection Division, Department of Renewable Resources, Government of Nunavut; Land Use Directorate, Indian and Northern Affairs Canada; Royal Canadian Mounted Police)

The On-site Coordinator will consult with anyone deemed of potential assistance in remedying the situation concerning a spill of any Hazardous Material; in particular, any applicable government personnel, air charter or contract personnel (pilots and operations managers).

### 3.0 INITIAL ACTION

All camp personnel will be oriented to watch for, report, and stand-by to assist as instructed with any remedial action to a spill of hazardous material(s).

- Spill is noticed or identified.
- Report of spill to the geologist or technician designated (on-site).  
Geologist/technician quickly assesses the situation, assumes the role of on-site Coordinator, and implements the HMSPP if appropriate.
- Camp Manager or Geologist-in-charge notifies Nunavut 24-Hour Spill Report Line **867.920.8130** & URU corporate management.
- In any response to a spill of hazardous material(s) the on-site Coordinator will be primarily concerned to protect any person(s) from injury or harm. For example, a spill of gasoline in close proximity to a source of ignition should be dealt with by removing the possibility of ignition before attempting to arrest the spill of gasoline.
- Locate the source and mechanism of the spill and attempt to stop the spill.
- Choose the appropriate absorbent and /or neutralizer for the spilled hazardous material(s), deploy these to begin the clean-up.
- Attempt to stop the spread of the spill by using the spill response materials together with building dikes or berms with available equipment.
- Collect the used absorbent and/or neutralizer in suitable containers for proper disposal.
- The On-site Coordinator will be responsible for recording all relevant information for reporting purposes.

### 4.0 SPILL REPORTING

Communications from the site of any spill will be made via mobile satellite telephone; a stationary satellite telephone as well as a fully redundant high frequency single-side band radio will be situated at the camp. Hand-held very high frequency radios will be employed for communication between the spill site and the camp when practical. For any reportable spill, when the Plan is initiated, the satellite telephone in camp will be staffed by a person(s) delegated by the On-site Co-ordinator on a continual basis to ensure that communications with remotely located personnel is always possible. As soon as, and if, practical, one person at the spill site will be equipped with a mobile satellite telephone (this will be unnecessary if the spill site is at or close to camp).

Any reportable spill of Hazardous Material(s) will be reported by the Geologist-in-Charge to the 24-hour Report Line (867.920.8130) as well as to the Land Use Inspection Officer responsible for administering the permit for the URU Metals land use operation. URU Metals management will be notified immediately upon initiation of the Plan.

## 4.1 Telephone Roster

Organization	Personnel	Telephone Number
URU Metals Limited	Roger Lemaitre, CEO	416.892.2870
	C. Trevor Perkins, Project Manager	306.361.1253
Nunavut 24-Hour Spill Report Line		867.920.8130
Aboriginal Affairs and Northern Development Canada	Tracey McCaie, Land Administrator	867.975.4283
	Environment Manager	867.975.4549
	Field Operations Manager	867.645.2831
	Water Resources Manager	867.975.4550
Environment Canada	Enforcement Officer	867.975.4644
RCMP Arviat		867.857-0123
Government of Nunavut	Department of Environment	867.975.5900
	Manager Pollution Control and Air Quality	867.975.5907
Nunavut Water Board		867.630.6338
Diamond Drill Contractor	To be determined	
Helicopter Contractor	To be determined	

## 5.0 Spill Action Plans

### 5.1 Spill of Fuel from Steel Drums on Tundra

#### 5.1.1 Preventative Measures

Steel drums will be stored in such a manner that they will not be susceptible to tipping over, rolling or otherwise being unstable. Care will be exercised so that nothing can cause damage to steel fuel drums by falling or rolling onto or into them. When unloading steel fuel drums from aircraft, the use of a ramp or cushion (automotive tire) will ensure that they are not damaged.

#### 5.1.2 Remedial Measures

Puncture or rupture of 206-litres steel drums containing liquid fuels will initially be assessed for risk of ignition. Sources of ignition will be extinguished or isolated from the spill if safe to do so. Efforts will be made to plug punctures with appropriate material from the spill kit (expandable neoprene plugs or wedges and shims). Ruptures will be high-centered to stop further spill of fuel. Absorbent material will be placed on spilled fuel and into appropriate containers (plastic or metal cans or pails in good condition) as it becomes saturated with fuel. A containment berm will be built from soil and/or tarps to contain a large spill. Fuel skimmed or wicked off of the surface to be disposed of, most probably by incineration. High- centered ruptures will be used as a point of entry for manually-operated fuel transfer pump suction tubes, and remaining fuel will be removed to a sound drum. Contaminated soil, vegetation or gravel will be

removed into buckets with lids for proper disposal upon instruction of the regulatory agency.

## **5.2 Leak of Liquid Fuel from Reservoir and Distribution Lines**

### **5.2.1 Preventative Measures**

Stability of all reservoir and distribution assemblies is of utmost importance to ensure that the risk of damage is minimized. All stands for reservoirs will be constructed to strength standards beyond those required. Distribution lines from reservoirs to appliances will be fitted with an appropriate shut-off valve immediately downstream from the reservoir. The line will be installed in such a way to prevent being chafed in the wind, chewed on by animals or tripped on by humans. This will be done by securing it to rigid structures, encasing it in armor or any other effective manner. These measures apply broadly to heating oil, gasoline and propane set-ups.

### **5.2.2 Remedial Measures**

A detected leak from a fuel reservoir and distribution line assembly will initially be assessed for risk of ignition. Sources of ignition will be extinguished or isolated from the leak if safe to do so. Shut-off valve immediately downstream from reservoir will be turned off. Absorbent material will be placed on the spilled fuel; if spilled onto snow or ice this will be scooped up with a shovel and stored in an appropriate container. Spilled fuel collected will be disposed of by incineration. The site of the leak will be searched for and repaired if and when found, if the site of the leak is not found the entire assembly may be replaced paying special attention to quality of materials, equipment and techniques of installation employed.

## **5.3 Spill of Liquid Fuel into Lake Water**

### **5.3.1 Preventative Measures**

Liquid fuel in steel drums will be stored well back from the lakeshore on durable ground.

### **5.3.2 Remedial Measures**

Confinement and collection of liquid fuel in lake water will be attempted with floating booms of petroleum absorbent material. For larger spills, liquid will be removed by skimming. Spilled fuel collected will be disposed of by incineration. Contaminated water and/or absorbent material will be removed into buckets with lids for proper disposal upon instruction of the regulatory agency

## **5.4 Spill of Liquid Fuel on Ice or Snow**

### **5.4.1 Preventative Measures**

Steel drums will be monitored on a regular basis for any signs of leaks or spills.

### **5.4.2 Remedial Measures**

A containment berm of snow will be constructed around the spill. Any liquid will be removed by skimming or collected with absorbent material. Spilled fuel collected will be disposed of by incineration. Contaminated snow and/or ice will be removed into buckets with lids for proper disposal upon instruction of the regulatory agency.

## **5.5 Release of Propane**

### **5.5.1 Preventative Measures**

Propane will be stored in appropriate, certified containers. Propane containers will be inspected and monitored on a regular basis for any signs of deterioration or corrosion. Containers will be secured and fastened in an upright position to ensure there is no risk of damage to the regulator in the event of a fall.

### **5.5.2 Remedial Measures**

No attempt should be made to contain a propane release. Water spray can be used to reduce the risk of ignition. Personnel should withdraw from the area immediately until the all vapors have diffused. We will contact the proper agency for disposal instructions of a defective container.

## **5.6 Spill of Battery Acid**

### **5.6.1 Preventative Measures**

Acquisition of non-spillable Optima batteries will reduce the risk of a spill of this type. Optima batteries can be shipped by air, they are exempt from UN2800 classification. All batteries will be protected from damage by fastening them into the space designed for them when used with various power equipment and stored safely when not in use.

### **5.6.2 Remedial Measures**

In case of a spill of battery acid the first concern will be for the safety of any person(s) at risk of harm. Sources of ignition to the potentially explosive gas will be extinguished or isolated if safe to do so. Personal protective equipment, eye and hand wear at a minimum, will be donned and a neutralizer (sodium bicarbonate) will be bermed around the spill site. If safe to do so the entire battery may be placed into a non-corrodible container. The neutralizer may then be worked into the entire area of the spill until no more obvious reaction is

noticed. Used neutralizer will be placed in suitable containers for appropriate disposal.

## **6.0 SPILL RESPONSE EQUIPMENT**

### **6.1 Absorbent Material and Overpack Containers**

The base of the spill response will be two 206-litres heavy duty polyethylene overpack containers which are available commercially pre-packed with an assortment of petroleum absorbent materials. A separate chest of additional absorbent materials and empty labeled chests to contain the materials from the overpacks should they be used will make up the petroleum absorbent component of the spill response equipment.

### **6.2 Fuel Transfer Pumps**

Dedicated manual fuel transfer pumps for each type of liquid fuel will be stationed in close proximity to each site where that fuel is stored.

### **6.3 Fire Extinguishers**

Fire extinguishers of the proper type, size and number will be stationed in each building and near each site where equipment is normally serviced (including fuelling) and anywhere else it is deemed advisable.

### **6.4 Acid Neutralizer**

Twenty kilograms of sodium bicarbonate will be divided proportionally and stored in labeled covered polyethylene pails near each of the batteries on site.

### **6.5 Hand Tools**

A full complement of shovels, scoops, and grub hoes or pulaskis will be stationed around camp (typically one shovel and/or scoop at each door to a building); a dedicated set of these tools will be stationed with the chest of absorbent materials at the powerhouse/workshop.

### **6.6 Storage of Spilled and Contaminated Materials**

A supply of 20-litre polyethylene pails and heavy polyethylene sample bags will be reserved for the collection and storage of used absorbent materials and acid neutralizer.

## **7.0 ORIENTATION**

All personnel at camp (URU employees, contractors, and visitors) will be presented with a copy of this plan when they first arrive at the camp. The plan will be reviewed during their orientation to camp by the Project Leader or Geologist in Charge, including the location of Material Safety Data Sheets (on a labeled wall rack in the office), the location of spill kits and additional supplies and tools. Training for spill contingency will consist of alerting all personnel to be watchful for any leaks or spills and where these are most likely, instruction in the use of the equipment and

materials, introduction to the protocol of the chain of command and the legal requirement to report certain spills as well as how to collect, store and dispose of spilled product.

## **8.0 LIST OF HAZARDOUS MATERIALS**

The following products will be the most significant (quantity and reactivity) hazardous materials at the URU Metals operation for the first season; this list is subject to change and revisions of this plan will reflect these changes.

### **8.1 Common Liquid Fuels**

Common liquid fuels:

- Diesel fuel (stove oil, heating oil, P50), in 206-litres steel drums
- Helicopter turbine engine fuel (Jet A), in 206-litre steel drums
- Regular unleaded gasoline, in 206-litre steel drums
- Propane, in 100-pound steel cylinders

### **8.2 Battery Electrolyte: Sulphuric Acid in Battery Cells**

- Battery electrolyte: sulphuric acid in battery cells

Material Safety Data Sheets will be stored and available to all personnel in the office at camp. Most MSDS are available on the Internet and therefore easily accessible even in the field.

### **8.3 Drilling additives**

Drilling additives will be non-toxic, NSF approved materials. At time of issue, the exact compound is not known; a generic additive is included in the Materials Safety Data Sheet and the Hazardous Materials Spill Contingency Plan will be updated when additive is determined.