



WATER USE INSPECTION REPORT FORM

Date: July 29, 2012	Licensee Rep. : Joel Lesperance-Geologist, Ric Betts- Logistics (discovery Mining Services) , Daryl Giesbrecht- Camp Manager
Licensee: Cameco Corporation	Licence No: 2BE-QAM1217

Comments: A compliance inspection was conducted on the 29th of July, 2012, at the Turavik-Aberdeen Project, an uranium exploration camp owned by Cameco Corporation. Latitude: 64°23'30"N Longitude: 98°27'54"W.

The Aberdeen project is Cameco's new camp. The renewed license was issued on June 1, 2012

It was unclear to the inspector Cameco's intentions for the old camp.

WATER SUPPLY

Source(s): Aberdeen Lake	Quantity used: 4 m ³ per day for domestic use
Owner:/Operator: Cameco Corporation	

Indicate: **A** - Acceptable **U** - Unacceptable **NA** - Not Applicable **NI** - Not Inspected

Intake Facilities: A	Storage Structure: A	Treatment System: A	Chemical Storage: NI
Flow Meas. Device: A	Conveyance Lines: A	Pumping Stations: A	Screen : NI

Comments: The Inspector noted the following

- Water is pumped from Aberdeen Lake to camp facility, where it is treated with UV lamp, filters and stored in a tank
- All water use is recorded using a flow meter. Records were not available for review at the time of the inspection
- The site is clean and tidy
- Staff have committed to submitting any requested documents

WASTE DISPOSAL

Sewage: Sewage Treatment System: Incinerates

Grey Water: Sump

Natural Water Body: NA	Continuous Discharge (land or water): Land	
Seasonal Discharge: NA	Wetlands Treatment: Unknown	Trench: None

Indicate: **A** - Acceptable **U** - Unacceptable **NA** - Not Applicable **NI** - Not Inspected

Discharge Quality: NA	Decant Structure: NA	Erosion: NA
Discharge Meas. Device: NA	Dyke Inspection: NA	Seepages: NA
Dams, Dykes: NA	Freeboard: NA	Spills: NA
Construction: NA	O&M Plan: NI	A&R Plan: NI
Periods of Discharge: Cont	Effluent Discharge Rate: None	

Comments: The Inspector noted the following

Waste Water

- All sewage is contained in incinerating toilets
- Grey water is discharged into a grease trap and released into a sump.
- The terrain surrounding the camp allows for treatment and containment of grey water

Hazardous Materials

- Hazardous materials are stored in secondary containment
- The materials are segregated and packed appropriately and shipped off site annually
- Empty barrels are shipped back to Baker Lake
- The Inspector requires a copy of the hazardous waste backhauled manifest for review
- The licensee had arranged for all heating fuel drums to be held in secondary containment vessels.

Drilling

- All garbage is containerized and brought back to the camp to be segregated and managed appropriately
- Drilling materials are stored on secondary containment to provide extra security
- All fuel has secondary containment

On the 28th of July while overflying the area, the Inspector noted;

- A large area of uncontained cuttings
- The area appeared to be a sump constructed to contain and manage drill cuttings and waste water



- Water berms and sand bags had been arranged around the perimeter.
- A considerable amount of effort had been taking to try to manage this area

On the 29th of July, after communication with the licensee, Cameco verified this location as a recent sump location for their two drills

- In the previous inspection, containment of cutting has been noted as an issue. The Licensee is aware and continues to explore alternatives to resolving this issue
- The Inspector will require the licensee to produce a Drill Cutting Containment Management Plan which shall form a part of the Uranium Exploration Plan. This is to be submitted with the 2012 annual report due March 31, 2013

FUEL STORAGE:

Owner/Operator: Cameco Corporation

Indicate: **A** - Acceptable **U** - Unacceptable **NA** - Not Applicable **NI** - Not Inspected

Berms & Liners: U	Water within Berms: U	Evidence of Leaks: A
Drainage Pipes: A	Pump Station & Catchments Berm: U	
Pipeline Condition: NA	Condition of Tanks: NA	

Comments:

- Fuel is stored in large above ground storage tanks, all fuel outlets are equipped with drip trays and monitored daily
- The Inspector encouraged the Licensee to seek an alternative method to containment at fuel transfer areas.
- Spill kits were noted onsite
- Water with in the secondary containment is scooped out by hand and placed in waste oil barrels

Fuel Cache

- The secondary containment is compromised, all the walls of the insta berms have collapsed
- No signs of spills
- One spill kit was noted
- An open drum and jerry can were noted

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected		Owner /Operator: NA	
0		AANDC: No samples were collected	
Signs Posted	SNP: none	Warning:	
Records & Reporting: Annual Report submitted			
Geotechnical Inspection: N/A			

Non-Compliance of Act or Licence:

Part F Item 4

The Licensee shall dispose of all drill waste, including water, chips, muds and salts (CaCl₂) in any quantity or concentration, from land-based drilling, in a properly constructed sump or an appropriate natural depression located at a distance of at least thirty one (31) metres from the ordinary high water mark of any adjacent water body, where direct flow into a water body is not possible and no additional impacts are created.

Inspector Requires

- Cutting Containment Management Plan to be submitted as a part the revised Uranium Exploration Plan required in Part F item 1 of the renewed license 2BE-QAM1217
- Proof that fuel storage in the East North East cache is being managed appropriated before the end of the 2012 season
- Domestic water use records for 2012 within 30 days of the inspection date
- Hazardous material backhaul manifest within 30 days of the inspection date

If clarity is needed on any of the above requirements please contact the Inspector at your first available convenience.

Christine Wilson
Inspector's Name

Sent by E-mail Original on File
Inspector's Signature

Representative Name and Title

Representative Signature

Andrew Keim- A/Manager Field Operations



Phyllis Beaulieu – Manager Licensing- Nunavut Water Board

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