Nunavut Water Board

Standard Form for Annual Reporting Requirements of NWB2 Exploration Water Licenses

Under the terms of your water licence issued by the Nunavut Water Board ("NWB") for the use of water and the disposal of waste into water associated with mineral exploration (NWB2 Licenses), Licensees are required to submit to the NWB an Annual Report no later than March 31st of the year following the calendar year being reported.

In order to aid the Licensee with the preparation of the Annual Report and facilitate its review by the NWB, Licensees are **required** to use the following form.

Recommendation and Helpful tips for use:

Metric units shall be used to report any relevant data.

How to Add additional space within Text boxes - Right click mouse on the row number (directly to the left of your screen) which falls within the text box range and click insert. **Do not drag or drop text box to modify size of the text box because formatting will not be maintained and data will be lost.** If you have large amounts of data recommend adding additional worksheets. Go to the help menu for assistance.

Electronic versions should be submitted in Adobe to ensure protection of your information. If you do not have shortcut keys to save as a PDF. Go to print menu . Choose to print "Entire Worksheet" then select printer option Adobe PDF and you will be prompted to save the document as a PDF document. Reminder ensure you have saved your document in Excel so that future changes can be made.

Modify the Header - Select "View" then "Header" from the main menu. Select "Custom Header" and change to reflect the valid Water Licence No.

Textboxes denoted with * are optional.

Annual Reports shall be submitted by either fax, mail or email in adobe acrobat or Excel format to:

Nunavut Water Board
c/o Manager of Licensing
P.O. Box 119
Gjoa Haven, NU X0B 1J0
Tel: 867-360-6338
Fax:867-360-6369
Email: licensing@nunavutwaterboard.org

NWB Annual Report **Year being reported:** 2011

License No: 2BE-QAM0813 **Issued Date:** June 2, 2008
Expiry Date: September 31, 2013

Project Name: Turqavik - Aberdeen Project or (Qamanaarjuk Lake Project)

Licensee: Rebecca Hunter

Mailing Address:
Cameco Corporation
2121-11th St W
Saskatoon, Saskatchewan
S7M 1J3

Name of Company filing Annual Report (if different from Name of Licensee please clarify relationship between the two entities, if applicable):
Same as above.

General Background Information on the Project (*optional):
The 2011 field season included further construction of the exploration camp that was initiated in 2006 and continued throughout 2007, 2008, 2009 and 2010. The 2011 exploration program consisted of diamond drilling and ground gravity as well as archeaologicical and wildlife studies.

Licence Requirements: the licensee must provide the following information in accodance with

Part B | Item 1

A summary report of water use and waste disposal activities, including, but not limited to: methods of obtaining water; sewage and greywater management; drill waste management; solid and hazardous waste management.

Water Source(s): Qamanaarjuk Lake, other lakes for drilling

Water Quantity:

3	Quantity Allowable Domestic (cu.m)
2.7	Actual Quantity Used Domestic (cu.m)
58	Quantity Allowable Drilling (cu.m)
52.4	Total Quantity Used Drilling (cu.m)

Waste Management and/or Disposal

- [x] Solid Waste Disposal
- [x] Sewage
- [x] Drill Waste
- [x] Greywater
- [x] Hazardous
- [ ] Other:

Additional Details:

Summary Report:

A summary report of water use and waste disposal activities includes a detailed description of methods of obtaining water and its treatment for domestic use, and description of procedures for greywater and sewage management. The following report outlines the water use and disposal practices during the Turqavik – Aberdeen Projects 2011 field season.

Potable water for use at the exploration camp is taken from Qamanaarjuk Lake, located down the hill from the camp. From the lake, water is pumped with a gasoline-driven high-pressure pump. The intake location is approximately 7 m away from the shore. There, the suction hose is equipped with a standard 2" (3.22 cm) pond strainer, ensuring no organisms get sucked in. Through the 1" (2.54 cm) supply hose, water is pumped up the hill into a sheltered 1000 gallon (3.8 m3) tank. During the transfer to a smaller tank (capacity of approximately 300 gallons or 1.1 m3), located inside the main building, water is filtered and treated by UV radiation. This filter is a UV20 Series PURA set-up for small commercial application. During the filtering process, water is passed through a series of polyester filters that first remove sediments 10 µ and larger, and then remove any particles as small as 5 µ. In addition, the system includes a charcoal filter and, as a final treatment step, large UV filters. This filtered and treated water is only used for consumption, preparation of foods, showering, washing of kitchen supplies and laundry. On average, approximately 2.7 m3 of water is used daily. Water intake was monitored by a mounted standard meter that is used in municipal supply distribution systems (nutating disc displacement flow meter). Logs of pumped water are kept and are included with this report.

At the camp there are four 200 L capacity sumps. All greywater from domestic use (cooking, dish washing, showering, and washing machine) is disposed into either one of the sumps. These sumps are located at a distance of well above the minimum 30 metres from the high water mark of Qamanaarjuk Lake, near the main two buildings (used for kitchen, dry and office). The sumps are lined with perforated steel drums. The kitchen sump is equipped with a commercial baffled grease trap for efficient waste separation proior to disopsal.

All sewage and domestic wastes are incinerated. Human waste is managed by the use of Incinolet incinerating toilets with utilizes an internal electrical element to evaporate and burn waste immedieately after useage. On premises, there are two incinerators for disposing of burnable waste. One incinerator is "The Original Burnadette" supplied by Nugget Expediting Ltd. It has floor dimensions of 25" x 25" (63.5 x 63.5 cm) and contains a Beckett Industrial Burner with its own diesel fuel supply. The second incinerator is a SmartAsh cyclonic barrel burner manufactured by Elastec Inc. It consists of a 208 L capacity drum with manual fuel supply. During incineration, waste is reduced to approximately 3% ashes by volume. The incinerator uses liquid fuel such as diesel or Jet A. All kitchen waste, and solid waste (such as glass and plastic jars, paper, wood shavings, used oil, etc.) are incinerated. Incinerated ash as well as ash from the Incinolet toilets is removed by hand, packed into cardboard boxes and wrapped in two plastic bags for additional security. These packages are then transported to municipal disposal grounds in Baker Lake.

At the drill site, water is used for circulation down the drill hole to cut through the rock and to wash out the hole. The length of the water line for the drill in 2011 ranged from 200 m to 800 m. Water was pumped from the closest lake that was also large enough to supply approximately 50 m3 of water per day and that was not frozen to the bottom in the beginning of the season. The water intake is screened to prevent any harm to fish or wildlife. Water intake was monitored using a Neptune T-10 industrial water meter connected to the drill water supply and quantities were recorded following the completion of the drill hole. Circulated water ran off from the drill site and percolated into the ground. Drill cuttings were directed into natural depressions of the terrain and sumps. Fifteen drill holes intersected generally weak uranium mineralization with local high grade intervals. Drill cuttings were separated using a centrifuge of the drill's water recycling system supplied by the drilling contractor, gathered into a chemically resistant industrial-size vinyl bag, and levels of uranium concentration were monitored daily. All collected cuttings were scanned for radioactivity using an Automess 6150 AD Dose Rate Meter.

The radiation level of the cuttings all fell below 1 µSV/hr which is equivalent to 0.05% uranium concentration. As indicated by the INAC Land Use Permit N2008C0007 only cuttings that exceed 0.05% uranium concentration are to be collected and disposed either down the drill hole or by other acceptable means. All bags were found to be below the threshold values. After the drill holes were completed the non-radioactive cuttings were removed from the vinyl bags and distributed in natural depressions directly around the drill sites and in the cuttings sumps.

All fuel drums at the camp and fuel caches were stored in berms prior to useage and returned to Baker Lake after the drums were used. Fuel stored on site included gasoline, Jet-B and P50 diesel. At the camp, the generator is connected to a double-walled, 110% containment, 250 gallon (0.95 m3) metal fuel tank by copper fuel lines. For use at the camp 4 berms were used, 3 of which have dimensions of 10' x 10' x 1' (3 x 3 x 0.3 m) and can hold 15 drums. And one berm has dimensions of 10' x 15'x 1' (3 x 4.6 x 0.3 m) to hold approximately 25 drums. The berms are made of XR-5 high grade chemically resistant vinyl fabric with L-rod supports for the berm walls. Rain water that collects in the berms is absorbed, filtered and returned as greywater. All absorbents used on site are incinerated.

There is one large berm, 14 medium-sized berms, and 4 small berms at the main airstrip (fuel cache 1) and one large berm at fuel cache 2 north of the Sansa Grid. The large berm at the airstrip has the dimensions of 30' x 60' (9 x 18 m) to hold up to 135 drums. The 14 medium-sized berms are 20' x 20' x 0.5' (~7x7x0.15 m) and hold up to 60 drums each. The 4 small berms are 10' x 10' x 1' (3 x 3 x 0.3 m) and can hold 15 drums. The large berm at fuel cache 2 has the dimensions of 20' x 40' (~7 x 14 m) to hold up to 120 drums of fuel each. After the berms were emptied they were immediately rolled up and stored in the C-can at the fuel cache to prevent any water gathering in the empty berms. Berms were primarily used for storing Jet fuel as all diesel for the drill during the 2011 field season was stored at the Areva Resources Canada's bulk fuel storage area. At the drill sites fuel is stored in double-walled metal containers with 110% containment capacity during drilling operations.

A list of unauthorized discharges and a summary of follow-up actions taken.

Spill No.: n/a (as reported to the Spill Hot-line)

Date of Spill:

Date of Notification to an Inspector:

Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Revisions to the Spill Contingency Plan

SCP submitted and approved - no revision required or proposed

Additional Details:

Revisions to the Abandonment and Restoration Plan

AR plan submitted and approved - no revision required or proposed

Additional Details:

Progressive Reclamation Work Undertaken

Additional Details (i.e., work completed and future works proposed)

Exploration program is ongoing with a similar objective for the upcoming field season. A new camp is being proposed for 2012 along the shore of Aberdeen lake.

Results of the Monitoring Program including:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where sources of water are utilized;

Details attached

Additional Details:

Report on locations where sources of water are utilized are listed.

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where wastes associated with the licence are deposited;

Details described below

Additional Details:

See attached Excel sheet for GPS coordinates. At the camp, four sumps are used for disposal of greywater, as well as sewage and other waste are incinerated. Circulated water at the drill sites is allowed to percolate back into the ground on location.

Results of any additional sampling and/or analysis that was requested by an Inspector

No additional sampling requested by an Inspector or the Board

Additional Details: (date of request, analysis of results, data attached, etc)

Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported.

No additional sampling requested by an Inspector or the Board

Additional Details: (Attached or provided below)

Any responses or follow-up actions on inspection/compliance reports

No inspection and/or compliance report issued by INAC

Additional Details: (Dates of Report, Follow-up by the Licensee)

Any additional comments or information for the Board to consider

In 2011, there were minimal issues with drill cuttings reported by the inspector. Cuttings were contained within depressions using sandbags and 2 large "AquaDam" water containment berms to prevent cuttings from flowing naturally across the tundra. For our 2011 drilling program we collecting all of our cuttings from mineralized (or expected to be mineralized) drillholes and deposited material below the 0.05% uranium concentration threshold in depressions around the drill sites.

Date Submitted:	January 31st 2012	
Submitted/Prepared by:	Rebecca Hunter	
Contact Information:	**Tel:**	(306) 956-6279
	Fax:	(306) 956-6390
	email:	rebecca_hunter@cameco.com

Coordinates for locations where water is pumped

Source Description	Latitude			Longitude		
	Deg °	Min '	Sec "	Deg °	Min '	Sec "
Water pump for the camp/suction hose	64	37	43	97	59	27.9
General camp location	64	37	43	97	59	40.1
TUR-026	64	20	31.12	97	59	34.92
TUR-027	64	20	48.75	97	59	52.88
TUR-028	64	20	31.12	97	59	34.92
TUR-029	64	20	48.75	97	59	52.88
TUR-030	64	20	31.12	97	59	34.92
TUR-031	64	20	48.75	97	59	52.88
TUR-032	64	20	31.12	97	59	34.92
TUR-033	64	20	48.75	97	59	52.88
TUR-034	64	20	31.12	97	59	34.92
TUR-035	64	20	48.75	97	59	52.88
TUR-036	64	20	31.12	97	59	34.92
TUR-037	64	20	48.75	97	59	52.88
TUR-038	64	20	31.12	97	59	34.92
TUR-039	64	20	31.12	97	59	34.92
TUR-040	64	20	31.12	97	59	34.92
TUR-041	64	20	31.12	97	59	34.92
TUR-042	64	20	31.12	97	59	34.92
TUR-043	64	20	31.12	97	59	34.92
TUR-044	64	20	31.12	97	59	34.92
TUR-045	64	20	31.12	97	59	34.92
TUR-046	64	20	31.12	97	59	34.92
TUR-047	64	20	31.12	97	59	34.92
SAN-013	64	20	51.92	98	18	34.42
SAN-014	64	20	51.92	98	18	34.42
SAN-015	64	20	51.92	98	18	34.42
SAN-016	64	20	51.92	98	18	34.42
SAN-017	64	20	51.92	98	18	34.42
SAN-018	64	20	51.92	98	18	34.42
SAN-019	64	20	51.92	98	18	34.42
SAN-020	64	20	51.92	98	18	34.42
SAN-021	64	20	51.92	98	18	34.42
SAN-022	64	20	51.92	98	18	34.42
GEX-001	64	20	27.14	98	0	17.2
GEX-002	64	20	27.14	98	0	17.2
LOK-001	64	22	48.55	98	11	12.15
LOK-002	64	22	48.55	98	11	12.15
HND-001	64	19	38.75	98	15	17.28
AYA-001	64	18	35.09	98	25	18.55
AYA-002	64	18	35.09	98	25	18.55
AYA-003	64	18	35.09	98	25	18.55
AYA-004	64	18	35.09	98	25	18.55
AYA-005	64	18	48.11	98	25	25.71
AYA-006	64	18	48.11	98	25	25.71

Coordinates for locations where water is pumped

Source Description	Latitude			Longitude		
	Deg °	Min '	Sec "	Deg °	Min '	Sec "
AYA-007	64	18	48.11	98	25	25.71
AYA-008	64	18	48.11	98	25	25.71
GST-001	64	20	13.76	98	21	26.79

Coordinates for locations of areas of waste disposal

Location Description (type)	Latitude			Longitude		
	Deg °	Min '	Sec "	Deg °	Min '	Sec "
Kitchen Sump	64	37	43.3	97	59	39.6
Kitchen Sump #2	64	37	43.4	97	59	40.4
Sump by the Office Building	64	37	43.9	97	59	39.5
Shower/Dry Sump	64	37	43.7	97	59	39
Incinerators	64	37	38.6	97	59	35.2
TUR-026	64	20	29.98	97	59	11.22
TUR-027	64	20	41.69	97	59	30.93
TUR-028	64	20	29.98	97	59	11.22
TUR-029	64	20	41.69	97	59	30.93
TUR-030	64	20	29.98	97	59	11.22
TUR-031	64	20	41.69	97	59	30.93
TUR-032	64	20	29.98	97	59	11.22
TUR-033	64	20	41.69	97	59	30.93
TUR-034	64	20	29.98	97	59	11.22
TUR-035	64	20	39.31	97	59	0.66
TUR-036	64	20	29.98	97	59	11.22
TUR-037	64	20	39.31	97	59	0.66
TUR-038	64	20	29.98	97	59	11.22
TUR-039	64	20	29.98	97	59	11.22
TUR-040	64	20	29.98	97	59	11.22
TUR-041	64	20	29.98	97	59	11.22
TUR-042	64	20	29.98	97	59	11.22
TUR-043	64	20	29.98	97	59	11.22
TUR-044	64	20	29.98	97	59	11.22
TUR-045	64	20	29.98	97	59	11.22
TUR-046	64	20	32.99	97	58	38
TUR-047	64	20	32.99	97	58	38
SAN-013	64	20	40.65	98	18	39.71
SAN-014	64	20	40.65	98	18	39.71
SAN-015	64	20	40.65	98	18	39.71
SAN-016	64	20	40.65	98	18	39.71
SAN-017	64	20	40.65	98	18	39.71
SAN-018	64	20	40.65	98	18	39.71
SAN-019	64	20	40.65	98	18	39.71
SAN-020	64	20	31.12	98	18	38.73

Coordinates for locations of areas of waste disposal

Location Description (type)	Latitude			Longitude		
	Deg °	Min '	Sec "	Deg °	Min '	Sec "
SAN-021	64	20	31.12	98	18	38.73
SAN-022	64	20	31.12	98	18	38.73
GEX-001	64	20	12.64	98	0	50.93
GEX-002	64	20	12.64	98	0	50.93
LOK-001	64	22	32.7	98	10	56.13
LOK-002	64	22	32.7	98	10	56.13
HND-001	64	19	52.96	98	15	29.2
AYA-001	64	18	34.55	98	25	32.05
AYA-002	64	18	34.55	98	25	32.05
AYA-003	64	18	34.55	98	25	32.05
AYA-004	64	18	34.55	98	25	32.05
AYA-005	64	18	44.46	98	24	49.16
AYA-006	64	18	44.46	98	24	49.16
AYA-007	64	18	44.46	98	24	49.16
AYA-008	64	18	44.46	98	24	49.16
GST-001	64	20	10.79	98	21	15.98

Coordinates for locations of fuel caches.

Location Description (type)	Latitude			Longitude		
	Deg °	Min '	Sec "	Deg °	Min '	Sec "
Fuel Cache 1	64	27	19	97	54	0.74
Fule Cache 2	64	21	55.6	98	25	38.2

Camp Water Use

Date	Meter Reading	Total Water Pumped (m^3)	Comments
29-Apr-11			Arrive in camp
30-Apr-11			started all heaters and got camp going.
01-May-11		1.0	Filled inside tank for initial usage.
02-May-11			replaced filters
03-May-11			
04-May-11			
05-May-11			
06-May-11			
07-May-11			
08-May-11		4.0	Filled large outside tank (3 m3)
09-May-11			
10-May-11			
11-May-11			
12-May-11			
13-May-11			
14-May-11			
15-May-11			
16-May-11		3.0	Filled outside tank.
17-May-11			
18-May-11			
19-May-11			
20-May-11			
21-May-11			
22-May-11	441.7	3.0	Water Meter Attached
23-May-11			
24-May-11			
25-May-11			
26-May-11			
27-May-11			
28-May-11	444.7	2.9	
29-May-11			
30-May-11			
31-May-11			
May Total:		**8.9**	
May Daily Average.		**0.3**	

Date	Meter Reading	Total Water Pumped (m^3)	Comments
01-Jun-11	447.700	3.0	
02-Jun-11			
03-Jun-11	451.200	3.5	
04-Jun-11	0.000		
05-Jun-11	452.200	1.0	
06-Jun-11	454.200	2.0	Geology and Drill Crew Arrive
07-Jun-11			
08-Jun-11	457.300	3.1	
09-Jun-11	460.200	2.9	
10-Jun-11			changed filters
11-Jun-11	463.400	3.2	
12-Jun-11			
13-Jun-11			
14-Jun-11	466.800	3.4	
15-Jun-11			
16-Jun-11	470.100	3.3	
17-Jun-11			
18-Jun-11	477.700	7.6	Cleaned out tanks
19-Jun-11			
20-Jun-11	480.500	2.8	
21-Jun-11			
22-Jun-11			
23-Jun-11	493.620	13.1	filter change
24-Jun-11			
25-Jun-11			
26-Jun-11			
27-Jun-11	503.700	10.1	
28-Jun-11			
29-Jun-11			
30-Jun-11	507.100	3.4	
	June Total:	**62.4**	
	Cumulative Total:	**71.3**	
	June Daily Average:	**2.1**	
	Total Daily Average:	**1.3**	

Date	Meter Reading	Total Water Pumped (m^3)	Comments
01-Jul-11	510.100	3.0	
02-Jul-11	513.400	3.3	
03-Jul-11			
04-Jul-11	520.000	6.6	
05-Jul-11	523.200	3.2	filter change
06-Jul-11			
07-Jul-11			
08-Jul-11	533.400	10.2	
09-Jul-11			
10-Jul-11	536.900	3.5	
11-Jul-11	540.200	3.3	
12-Jul-11	543.100	2.9	
13-Jul-11			
14-Jul-11			
15-Jul-11	558.100	15.0	
16-Jul-11			
17-Jul-11			
18-Jul-11	566.7	8.6	
19-Jul-11			
20-Jul-11			
21-Jul-11	568.9	2.2	
22-Jul-11	572.1	3.2	filter change
23-Jul-11			
24-Jul-11			
25-Jul-11	584.1	12.0	
26-Jul-11			
27-Jul-11			
28-Jul-11	594.10	10.0	
29-Jul-11			
30-Jul-11			
31-Jul-11	604.30	10.2	
July Total :		**97.2**	
Cumulative Total:		**168.5**	
July Daily Average:		**3.1**	
Total Daily Average:		**2.0**	

Date	Meter Reading	Total Water Pumped (m^3)	Comments
01-Aug-11	606.70	2.4	New camp man takes over, pumps water everyday regardless of tank level.
02-Aug-11	608.00	1.3	changed dry filters
03-Aug-11	612.00	4.0	
04-Aug-11	615.30	3.3	changed pumphouse filter
05-Aug-11	617.10	1.8	
06-Aug-11	619.50	2.4	
07-Aug-11	620.10	0.6	
08-Aug-11	623.10	3.0	
09-Aug-11	625.50	2.4	
10-Aug-11	627.70	2.2	
11-Aug-11	630.20	2.5	
12-Aug-11	632.20	2.0	
13-Aug-11	635.90	3.7	
14-Aug-11	638.70	2.8	changed pumphouse filter
15-Aug-11	643.70	5.0	
16-Aug-11	645.80	2.1	
17-Aug-11	647.40	1.6	
18-Aug-11	650.00	2.6	
19-Aug-11	653.40	3.4	
20-Aug-11	654.90	1.5	
21-Aug-11	659.10	4.2	
22-Aug-11	661.50	2.4	
23-Aug-11	665.00	3.5	The tank was overfilled and overflowing.
24-Aug-11	668.80	3.8	
25-Aug-11	673.40	4.6	
26-Aug-11	675.80	2.4	Gravity crew gone.
27-Aug-11	680.00	4.2	
28-Aug-11	685.20	5.2	
29-Aug-11	687.30	2.1	Electric pump was installed, down at lake.
30-Aug-11	690.70	3.4	
31-Aug-11	694.00	3.3	
August Total:		**89.7**	
Cumulative Total:		**258.2**	
August Daily Average:		**2.9**	
Total Daily Average:		**2.2**	

Date	Meter Reading	Total Water Pumped (m^3)	Comments
1-Sep-11	681.2	3.9	
2-Sep-11	685.1	3.9	
3-Sep-11	688.4	3.3	
4-Sep-11	690.8	2.4	
5-Sep-11	697.7	6.9	Changed filters in washroom
6-Sep-11	700.2	2.5	changed 4 in x 10 in filters water house
7-Sep-11	704.4	4.2	
8-Sep-11	705.5	1.1	
9-Sep-11	708.7	3.2	
10-Sep-11	711.9	1.8	
11-Sep-11	713.7	2.4	
12-Sep-11	716.1	3.3	
13-Sep-11	719.4	2.5	
14-Sep-11	721.9	2.8	
15-Sep-11	724.7	2.4	
16-Sep-11	727.1	1.1	
17-Sep-11	728.2	1.9	
18-Sep-11	730.1	2.2	
19-Sep-11	732.3	2.9	
20-Sep-11	735.2	2.4	
21-Sep-11	737.6	2.0	
22-Sep-11	739.6	3.3	
23-Sep-11	742.9	2.4	
24-Sep-11	745.3	2.7	
25-Sep-11	748	3.3	
26-Sep-11	751.3	1.8	
27-Sep-11	753.1	4.0	
28-Sep-11	757.1	2.2	Water meter broken, using daily average to the end of season
29-Sep-11		2.9	
30-Sep-11		2.9	Crews beginning to demobalize.
	September Total:	**84.6**	
	Cumulative Total:	**342.8**	
	August Daily Average:	**2.7**	
	Total Daily Average:	**2.9**	

Date	Meter Reading	Total Water Pumped (m^3)	Comments
01-Oct-10	n/a	2.9	
02-Oct-10			Geo crew gone.
03-Oct-10	n/a	2.9	
04-Oct-10			
05-Oct-10	n/a	1.0	
06-Oct-10			Close down camp.
	October Total:	**6.8**	
	Cumulative Total:	**349.6**	
	October Daily Total	**1.1**	
	Total Daily Average:	**2.7**	

Drill 1

DDH	Start Date	End Date	Days the Drill Operated	M3	Daily Average/ DDH	Comments
TUR-026	12-Jun-11	15-Jun-11	4.0	224.10	49.80	Hole was mineralized, cutting collected, zone cemented off.
TUR-028	16-Jun-11	20-Jun-11	4.7	226.80	48.26	Drilling TUR-028, hole was mineralized, cuttings seperated, zone cemented
TUR-030	20-Jun-11	23-Jun-11	3.3	167.00	50.61	TUR-030 only had slightly elevated radioactivity, cemented below casing
TUR-032	24-Jun-11	26-Jun-11	2.5	131.70	52.68	No radioactivity intersected. Cemented and pulled casing.
TUR-034	26-Jun-11	29-Jun-11	3.5	174.00	49.71	Start casing and drilling TUR-014B
TUR-036	30-Jun-11	04-Jul-11	5.0	255.40	51.08	Started casing TUR-036, unmineralized hole, cemented and pulled casing
TUR-038	05-Jul-11	08-Jul-11	4.0	214.30	53.58	Altered, no mineralization, cemented below casing.
TUR-039	09-Jul-11	11-Jul-11	2.5	124.40	49.76	Only weak mineralization over narrow interval (.1 GT). Only had to cement casing.
TUR-040	11-Jul-11	15-Jul-11	4.0	219.80	54.95	Mineralization intersected. Cuttings collected. Zone cemented
TUR-041	15-Jul-11	17-Jul-11	3.0	151.00	50.33	Another weakly mineralized hole. 4-5 GT, cemented zone and below casing.
TUR-042	18-Jul-11	22-Jul-11	5.0	257.90	51.58	High grade mineralization intersected, collected cuttings, cemented mineralized zone and below casing.
TUR-043	23-Jul-11	26-Jul-11	4.0	198.70	49.68	Drill hole lost in bad ground. Cemented below casing and moved on.
TUR-044	27-Jul-11	30-Jul-11	4.0	204.50	51.13	Hit a local mineralized fracture. Cemented below casing. Moved on.
TUR-045A+B	31-Jul-11	06-Aug-11	7.0	349.50	49.93	Lost hole TUR-045A and began re-drilling B from same setup. No mineralization.
TUR-046	07-Aug-11	10-Aug-11	4.0	214.20	53.55	Unmineralized hole. Cemented below casing, demobed.
TUR-047	11-Aug-11	14-Aug-11	4.0	208.40	52.10	Unmineralized hole. Cemented below casing, demobed.
SAN-013	15-Aug-11	20-Aug-11	6.0	315.50	52.58	No mineralization intersected. Cemented.
SAN-014	21-Aug-11	27-Aug-11	7.0	370.90	52.99	Broad zone of mineralization intersected. Cuttings collected. Cemented zone and below casing
SAN-015	28-Aug-11	02-Sep-11	6.0	320.80	53.47	Another broad zone of mineralization. Collected cuttings, cemented ux and casing
SAN-016	03-Sep-11	09-Sep-11	6.5	355.60	54.71	Shallow minlieralization intesected just below casing and lower in hole. Multiple plugs/cementing of seperated mineralized zone.
SAN-017	09-Sep-11	16-Sep-11	7	364.10	52.01	Mineralization intersected, collected cuttings, cemented zones.
SAN-020	16-Sep-11	23-Sep-11	7	368.9	52.7	Mineralization intersected, cuttings were collected, zones cemented.
SAN-022	24-Sep-11	30-Sep-11	7	373.5	53.35714	More widespread mineralization intersected. Collected cuttings and cemented. Last drill hole of 2011 for drill 1.

Total Water Used Drill 1 (m3)	**5791.0**	
Daily Average Water Use Drill 1 (m3)		**51.8**

Drill 2

DDH	Start Date	End Date	Days the Drill Operated	M3	Daily Average/ DDH	Comments
TUR-027	13-Jun-11	16-Jun-11	4.0	220.20	55.05	No mineralization, cemented and pulled casing.
TUR-029	17-Jun-11	21-Jun-11	4.5	240.60	53.47	Dead hole, cemented, mob drill.
TUR-031	21-Jun-11	24-Jun-11	3.5	189.50	54.14	Unmineralized. Cemented.
TUR-033	25-Jun-11	26-Jun-11	2.0	104.90	52.45	Dido last.
TUR-035	26-Jun-11	29-Jun-11	3.0	164.20	54.73	Dido last.
TUR-037	30-Jun-11	06-Jul-11	7.0	380.10	54.30	Cemented. Mob drill. Drill broken down for roughly 5 days with broken tower.
GEX-001	12-Jul-11	15-Jul-11	3.5	186.40	53.26	Dead hole, cemented.
GEX-002	15-Jul-11	17-Jul-11	2.5	133.70	53.48	Dead hole, cemented.
LOK-001	18-Jul-11	21-Jul-11	4.0	194.00	48.50	Lower pumping rate due to longer hose line or new pump.
LOK-002	22-Jul-11	24-Jul-11	2.5	122.50	49.00	Sandstone intersected in LOK holes, no UX, cemented and pulled casing.
HND-001	24-Jul-11	29-Jul-11	5.5	289.20	52.58	~ 60 m of casing delayed hole signigicantly. Cemented below casing. Mob drill.
AYA-001	30-Jul-11	04-Aug-11	4.0	208.60	52.15	Background radioactivity. Cement, pull casing, mob drill.
AYA-002	04-Aug-11	08-Aug-11	4.0	217.30	54.33	Lost hole when pulling out for bit change.
AYA-003	08-Aug-11	13-Aug-11	5.5	281.20	51.13	Dead hole, mob drill.
AYA-004	14-Aug-11	20-Aug-11	6.0	319.20	53.20	Dead hole.
AYA-005	21-Aug-11	25-Aug-11	5.0	265.10	53.02	Casing stuck in hole could not remove. Cut-off at ground level.
AYA-006	26-Aug-11	29-Aug-11	3.5	185.20	52.91	Pulled casing, cemented.
AYA-007	29-Aug-11	03-Sep-11	5.0	271.20	54.24	
AYA-008	03-Sep-11	07-Sep-11	4.5	239.50	53.22	
GST-001	07-Sep-11	10-Sep-11	4.0	209.40	52.35	Poor hole, cemented and moved on.
SAN-018	11-Sep-11	13-Sep-11	3	158.20	52.73	
SAN-019	14-Sep-11	21-Sep-11	8	440.2	55.03	Troubles with the drill hole due to clay. A lot of hole washing. Mineralized, collected cuttings, cemented off zone and below casing.
SAN-021	22-Sep-11	27-Sep-11	6	323.2	53.87	Unmineralized, last drill hole of season for drill 2.

Total Water Used Drill 2 (m3)	**5343.6**	
Daily Average Water Use Drill 2 (m3)		**53.0**

Total water used in 2011 drilling (m3)	**11134.6**
Average water used per day 2011 (m3)	**52.4**

Radioactivity of drill hole cuttings and return water were monitored daily during drilling operations and seperated and bagged if mineralization was intersected. All cuttings collected from mineralized holes during the course of the season fell below the 0.05% uranium concentration (1 µSV/hr equivalent to 0.05% uranium concentrationt) threshold value and were distributed around the area of the cuttings sumps at the Tatiggaq and Qavvik Zones (previously the Gerhard and Sansa zones). The radioactivty of the sumps following drilling of mineralized drill holes are listed below.

Sump Location	µSV/hr Average	µSV/hr Maximum
Gerhard Grid (Tatiggaq Zone)	0.4	0.65
Sansa Grid South (Qavvik Zone)	0.32	0.44
Sansa Grid North (Qavvik Zone)	0.26	0.38