Barrick Gold Inc.

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February 15, 2007

Mr. Philippe di Pizzo
Executive Director,
Nunavut Water Board
P. O. Box 119
Gjoa Haven, Nunavut
X0B 1J0

Dear Mr. di Pizzo:

Pursuant to Part B, Articles 4 and 9 of Water Licence NWB1CUL0207, please find appended 2 paper copies of the Annual Water Licence Report 2006 for our Cullaton Lake property. A third electronic copy has been e-mailed to you concurrent with this release.

If you have any questions or wish to discuss this matter further, please do not hesitate to contact me.

Sincerely,

[Original signed by]

Paul Brugger
Site Manager, Cullaton Lake

Cc Bill Ferdinand, Director, Environment Health and Safety, North America region

CULLATON LAKE GOLD MINES LTD.

WATER LICENCE NWB1CUL0207

ANNUAL WATER LICENCE REPORT 2006

PREPARED BY:
BARRICK GOLD INC.
Suite 3700, 161 Bay Street, P. O. 212
Toronto, ON
M5J 2S1

February 2007

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ᐅᖅᓂ 2006-Γ, ᐊᐅᓕᑕᐅᖅᑲᑦᑕᔪᓪᓚᑦ ᓄᓇᒥ ᒪᔾᔪᓂᖏᓂᔪᓪᓚᑦ ᐊᖏᕐᒋᔪᑎᒃ ᖃᐅᔨᓴᖅᑕᐅᖅᑲᑦᑕᖅᓯᓂ ᓄᓇᖏᓂ, ᐃᒥᐅᐸ ᖃᐅᔨᓴᐃᑐᓂᖏᓂ, ᖃᐅᔨᓗ ᓄᓇᐅᐸ ᐃᓗᐊᔪᑦ ᓯᖏᕐᒪᖏᓂᖅ ᐅᓇᖏᓂᖏᓂᑕ ᐊᒻᒪᓗ ᐅᑦᕋᑭᓚᐅᓂᖅᑕᓕᒃ ᑯᑉᓂᔾᔪᑎᑦ ᖃᐅᔨᓴᖅᑕᐅᓂᖅᓯᓂ ᒪᓕᒐᓂᖅᓯᒪᔪᑦ ᒪᓕᒃᓯᑎᒃ ᐃᒥᓕᓚᐅᑎᑦ ᓕᐃᔨᖅᑲᑎᑦ ᐱᔪᓐᓇᕈᑕᐅᔪᖅ ᐅᓴᐅᑦ No. NWB1CUL0207. ᑕᒪᒃᑯᐊ ᐃᓗᓐᓇᑎᒃ ᐊᐅᓕᑕᐅᔪᓪᓚᑦ ᐅᖅᓂ August 2, 2006-Γ.

ᑐᕋᑲᒃᕋᑦ ᓇᐃᓐᓇᖅᓯᒪᔪᑦ, ᑭᖓᔪᖏᓚᔪᑦ ᖃᐅᔨᓴᖅᑕᐅᔪᓪᓚᑦ 2006-Γ ᐊᒻᒪᓗ ᖃᐅᓄᖅ ᓯᖏᕐᒪᖏᓂᑕ ᖃᐅᔨᓴᖅᑕᑦ:

- ᐃᒥᐅᐸ ᖃᐅᓄᐃᑐᓂᖏᓄᒃ ᖃᐅᔨᓴᕆᑎᑦ ᑕᐃᒪᓐᓇ ᐊᑐᑎᑭᓐᓇᖅᑕᖅᑕᑦ ᒪᓕᑎᐊᓕᖏᓐᓂᒃ ᐃᒥᓕᓚᐅᑎᓐᓂᒃ ᕿᐃᓴᒃ.

- ᐅᓴᖅᑲᓕᓚᐅᔾᔨᒋᑎᒥᓂᑦ ᐃᓂᒥᓂᑦ ᓯᔪᓗᐊᒥ ᓯᓕ ᑕᐃᒧᑦᓴᐃᓐᓇᓐᖓ ᖃᐅᔨᓇᖏᑎᑦ ᐃᓂᖏᓂ.

- ᑕᓐᓇ ᓄᓇᐅᐸ ᖃᐅᓄᐃᑐᓂᖏᓂ ᐅᑎᖅᑕᓪᓕᐊᔪᖅ ᐱᐅᓯᑐᖅᑭᒥᓄᑦ ᐊᐅᑐᖅᑕᐅᓕᐅᖅᑎᓐᓇᒍ ᐱᐅᓯᓚᖅᑕᑕᓕᐅᖅᑲᓐᓇᖅᓯᒪᓴᒥᓄᑦ.

ᐅᒍᓂᖏᓂᔪᓄᑦ ᐃᓕᑎᑕᐅᓂᑦ ᖃᒍᓕᑕᑦᑐᓄᑦ, ᐅᓇ Barrick ᑐᓂᓯᔪᖏᓕᑦ ᑎᑎᖅᑲᓂᑦ ᓄᓇᕐᑦ ᐃᓕᓚᓱᑦ ᑲᑎᒪᔨᖏᓐᓄᑦ ᐅᖅᓂ May 19, 2006-Γ ᑐᓴᕆᖅᑐᑦ ᑭᖓᑦᑕᓚᐅᖅᓯᐅᓕᒃ ᓄᓇᒥ ᖃᑎᖅᑭᐅᑎᑎᖅᑕᒃ, ᐊᑦᑭᒃᓯᐃᔪᑦ ᐅᑎᖅᑎᓭᖅᑕᒥᓂᒃ ᓄᓇᒥᒃ ᓚᖓᓕᒃᑯᑦ ᓄᓇᖅᑯᑦᓂᒃ. ᐊᐅᓕᑦᓯᐅᑕᐅᓂᐊᖅᓕᑕ ᐅᑯᓄᖏᓂᖏᓂᔪᑦ ᑐᓴᕆᔪᓂᑦ, ᐃᓄᓕᓚᔨᑐᖅᑯᑦ ᐱᑎᐊᖅᑎᑦᓯᓯᓕᔪᑦ ᖃᑎᖅᑭᐅᔨᑎᑎᖅᑕᒥᒃ ᐊᒻᒪᓗ ᑕᓗᖏᓐᓄᑦ ᓄᓇᕐᑦ ᐅᖅᓂ September 2006-Γ. ᐃᓄᓕᓚᔨᑐᖅᑯᑦ ᑐᓴᕆᑦᑕᔪᑦ ᐃᓕᑕᓕᐅᑎᓂᐊᖅᑐᑎᒃ ᑕᐃᒪᖏᓐᓂᓕᓕᒃ ᒪᑐᓴᓗᒃ ᐊᑦᓕᓚᕆᓚᔪᑦ, ᐊᑐᐃᓐᓇᐅᓕᐅᖅᓯᓯᓕᔪᑦ ᐅᖅᓂ October 2006-Γ, January 2007-Γᓗ. ᐅᖅᓂ February 2007-Γ, ᖃᑎᖅᑭᐅᑎᑦ ᑲᔪᓯᓂᓕᑦ, ᐃᓕᓕᓕᐅᑎᑎᓕᑦᓗᓕᑦ ᐃᓄᓕᓚᔨᑐᖅᑯᑦ ᓄᓇᕐᑦ ᐳᓴᓕᑎᖅᖏᑦ 2007-Γ. ᖃᐃᐃᔪᐅᑦᓯᑦ, ᐅᓇ Barrick ᐃᓕᐅᑐᐃᓐᓇᓚᐅᓕᒃ ᑕᖏᓐᖓ ᓄᓇᕐᑦ ᐳᓴᓚᖅᑐᖅᑲᖅᓯᓯᑦ.

EXECUTIVE SUMMARY

The Cullaton Lake Gold mine is a recognized closed mine site located in the southern part of the District of Keewatin in the Nunavut Territory. The property is 250 km west of Arviat, Nunavut, 400 km northwest of Churchill, Manitoba, and 645 km north of Thompson, Manitoba.

During 2006, activities at the site included conducting the annual site inspection, water quality and thermistor monitoring and the tailings dam geotechnical inspection required pursuant to Water Licence No. NWB1CUL0207. All of these activities occurred on August 2, 2006.

Summarized, the results of the 2006 inspection and monitoring indicate that:

- Water quality continues to remain with the guidelines specified in the Water Licence.
- The tailings storage facility continues to remain stable.
- The site has been returned as near as possible to its original state.

In addition to the above, Barrick submitted a letter to the NWB on May 19, 2006 requesting a final site inspection, in preparation for surrendering the property to the crown. To facilitate this request, Indian and Northern Affairs Canada (INAC) has initiated a review and visited the site in Sept 2006. INAC also requested additional historic closure documentation, which was provided in October 2006 and January 2007. As of February 2007, the review continues. Additional INAC site visits are planned for 2007. If required, Barrick personnel may attend on these visits also.

1.0 SITE LOCATION AND HISTORY

Cullaton Lake Gold Mines Ltd. is a wholly owned subsidiary of Barrick Gold Inc. (Barrick) which in turn is a wholly owned subsidiary of Barrick Gold Corporation.

The Cullaton Lake Gold mine is a recognized closed mine site located in the southern part of the District of Keewatin in the Nunavut Territory. The property is 250 km west of Arviat, Nunavut, 400 km northwest of Churchill, Manitoba, and 645 km north of Thompson, Manitoba (see figure 1).

The mine was in operation for four years from 1981 to 1985. Following operation, the mine was in a care and maintenance mode from 1985 to 1991.

Decommissioning was initiated in 1991 with the rehabilitation of Tailings Pond No. 1, which included construction of a spillway in the dam and the covering of exposed tailings with water or till/mine rock. In addition, the water level in Tailings Pond No. 2 (the polishing pond) was lowered by partial removal of the dam (see figures 2 and 3 for site features).

Between 1991 and 1993, the fresh water intake, pump house and pipelines at the old diamond drill camp on the Kognak River were dismantled and removed. In 1995 and 1996 the mill buildings were dismantled. Some of the inert, non-salvageable material was crushed and placed in the quarry pit. In 1997, additional cover material was placed over the tailings area and the area was seeded and fertilized with a special arctic seed mix, as was the former mill site. During the winter of 1998/99 some salvageable equipment and material was removed from the property.

During the summer of 2001, all remaining inert material was placed in the former quarry pit and covered with 2 meters of till. All waste oils and hydraulic fluids, as well as tires and batteries were removed from equipment prior to burial and subsequently airlifted to Thompson, Manitoba for proper disposal. In addition, waste rock at the Shear Lake Portal area, which had been determined to be acid generating, was collected and encapsulated in till adjacent to the portal.

During the 2005 annual inspection, minor maintenance items identified during the 2004 inspection were corrected. These included a second application of seed and fertilizer on the encapsulated waste rock (EWR) cover at Shear Lake and erosion repairs to the EWR cover, Tailings Pond No. 1 spillway and the quarry pit landfill cover.

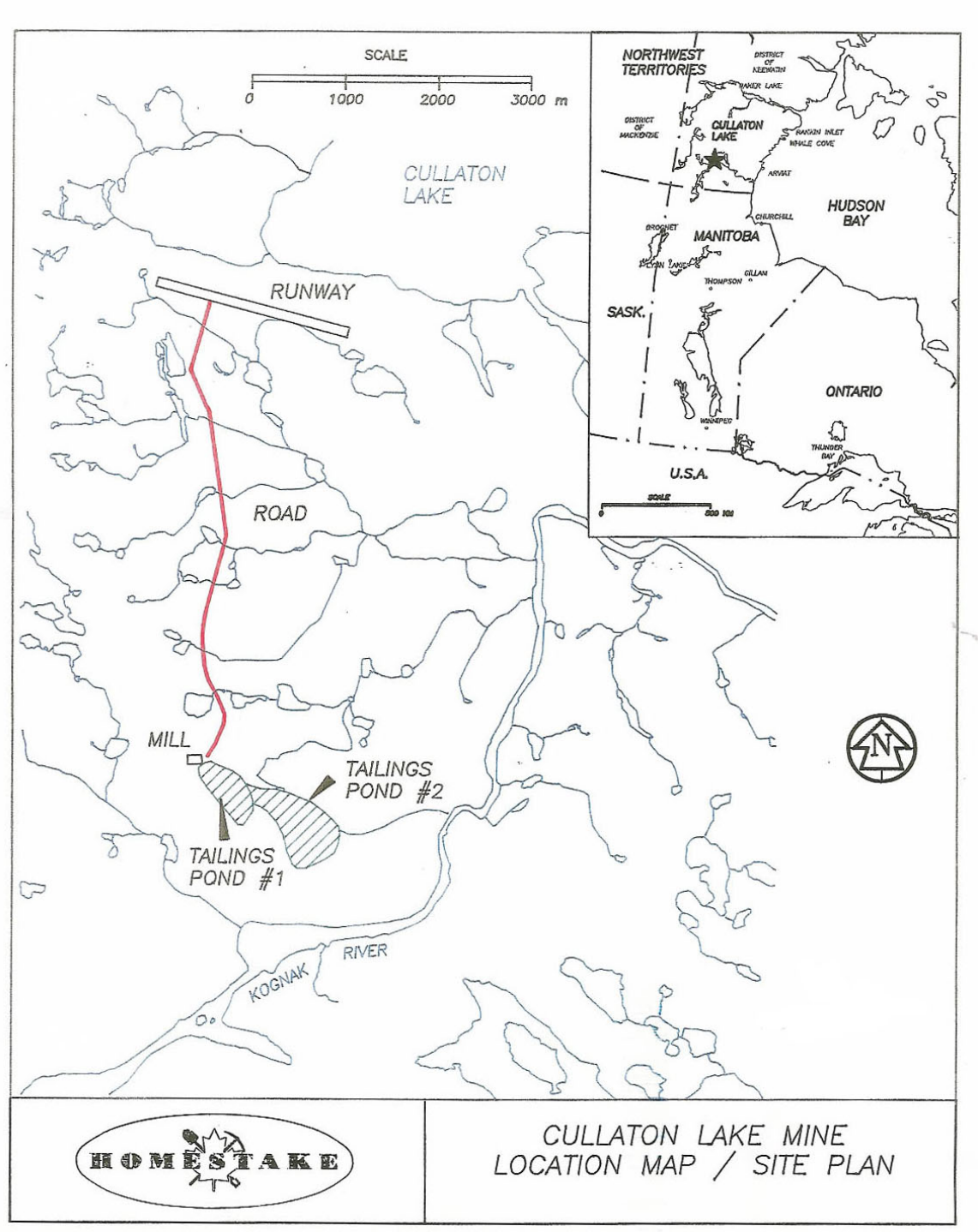
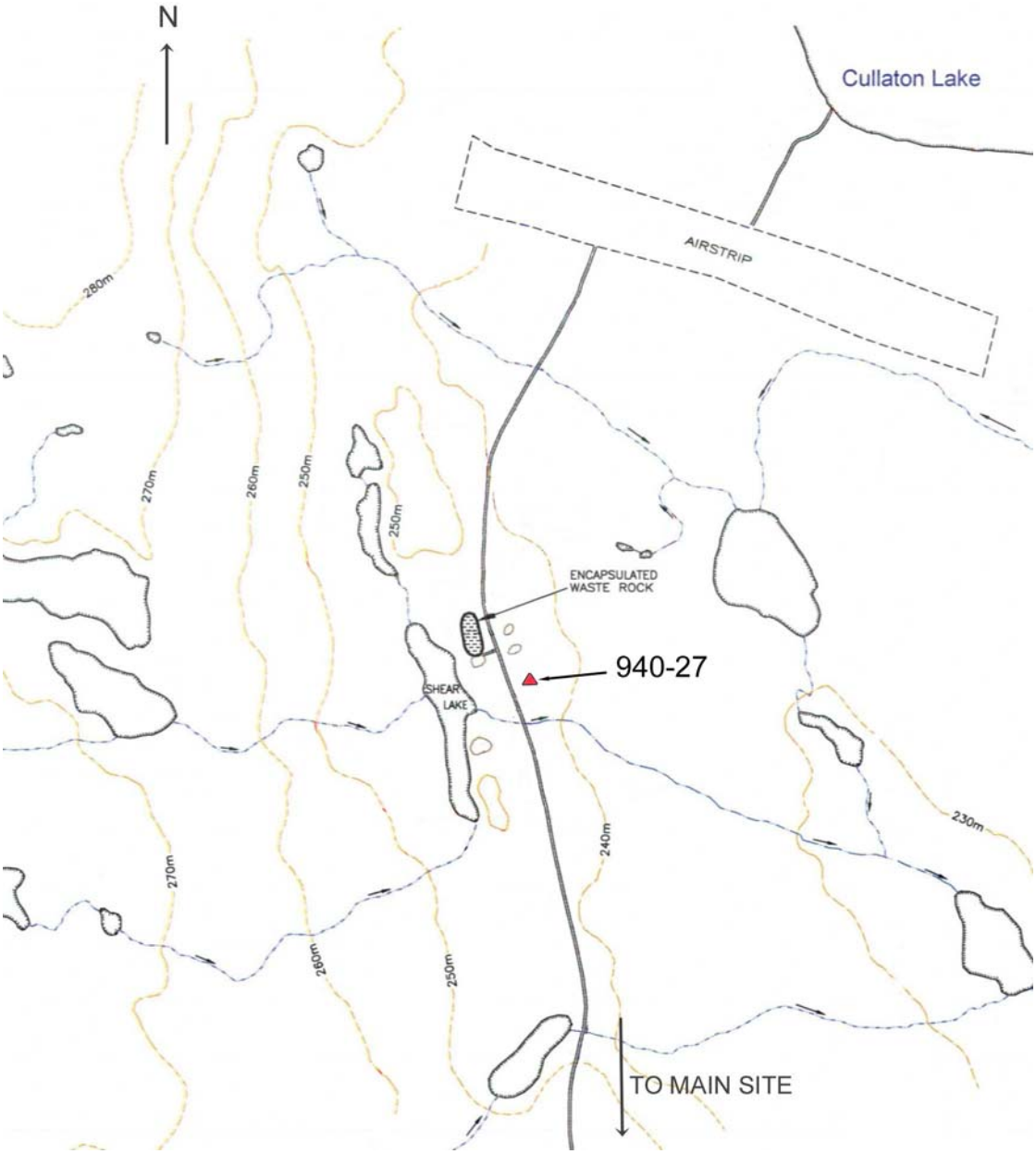
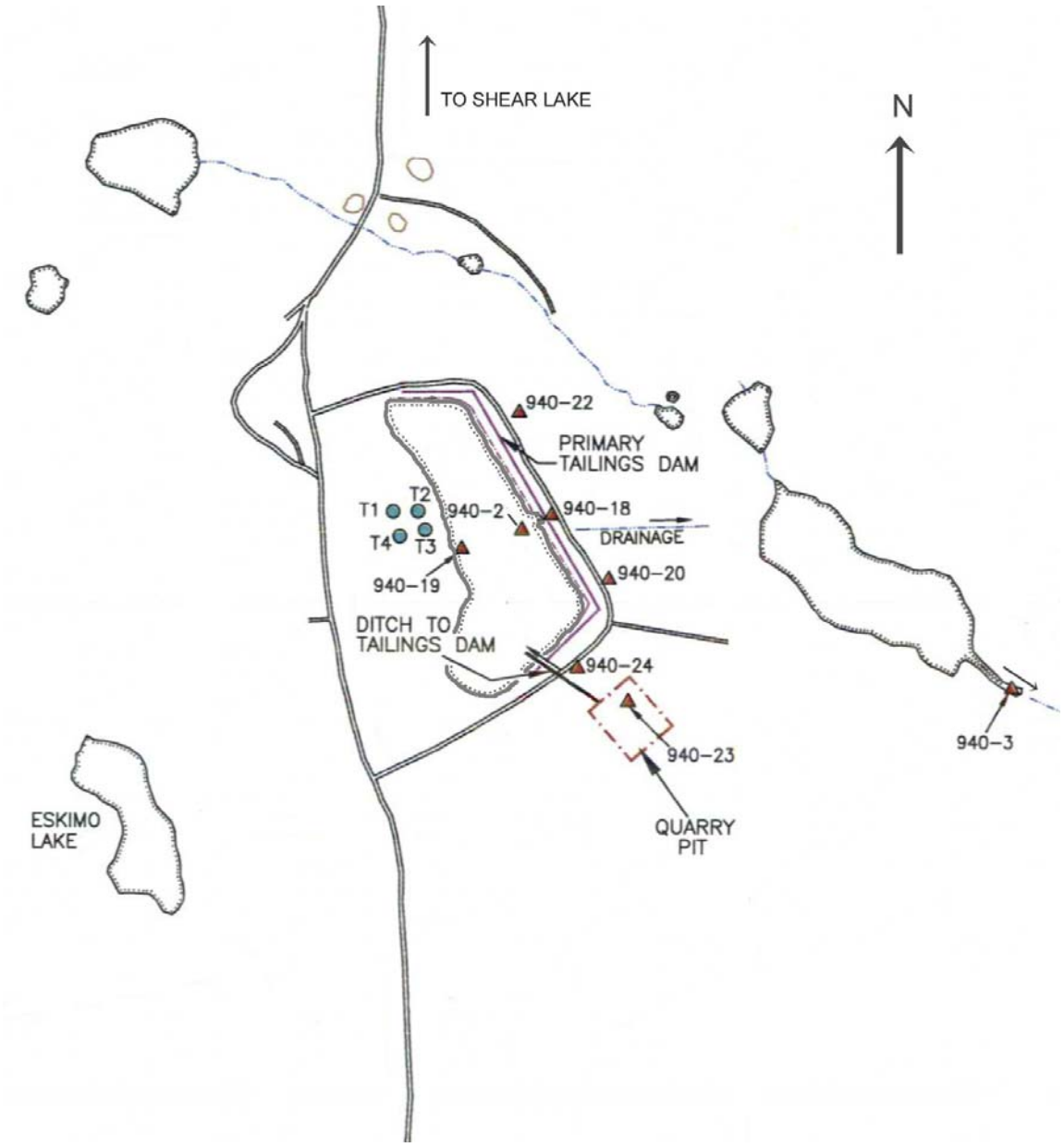


Figure 1: Cullaton Lake Mine location and general site layout



Legend:
940-27 Water sample station

Figure 2: Cullaton Lake Shear Lake site showing features and water sampling station (not to scale).



Legend:
T1: Thermistor station
940-2: Water sample station

Figure 3: Cullaton Lake main site showing features, water sampling and thermistor stations (not to scale).

2.0 2006 ACTIVITIES

A site inspection was conducted at the closed Cullaton Lake Gold Mine (Cullaton Lake) on August 2, 2006. Personnel attending the site during this trip included:

Barrick Personnel:

Paul Brugger, Closed Properties Manager, Eastern Canada
Ron Aubry, assistant

Trow Associates Personnel:

Demetri Georgiou, Principle, qualified geotechnical engineer

Natural Resources Canada
Nand Dave, Senior Environmental Scientist, Tailings and Waste Rock Program

Access to the site was via a chartered aircraft from Thompson, Manitoba. Messrs. Brugger and Dave performed the site inspections, Mr. Aubry removed a small above-water exposed section of liner on the upstream side of the tailings dam south of the No.1 Spillway. Mr. Georgiou performed the annual geotechnical inspection.

During this trip, water samples required pursuant to Water Licence NWB1CUL0207 were collected. In addition, visual inspections were conducted of the quarry pit, tailings area and dams, all former underground access areas, EWR and the site in general.

There were no weather related or other issues affecting the inspection.

In addition to the above, Barrick submitted a letter to the NWB on May 19, 2006 requesting a final site inspection, in preparation for surrendering the property to the crown. To facilitate this request, Indian and Northern Affairs Canada (INAC) initiated a review and visited the site in Sept 2006. INAC also requested additional historic closure documentation, which was provided in October 2006 and January 2007.

3.0 WATER LICENCE NWB1CUL0207 SUPPLEMENTAL CONDITIONS AND NOTES

Management of Cullaton Lake is conducted pursuant to Water Licence NWB1CUL0207, which was issued on October 2, 2002, amended on June 6, 2005 and will expire on September 30, 2007.

Name Change:

On November 13, 2003, application was made to the Nunavut Water Board to change the name on Licence NWB1CUL0207 from Homestake Canada Inc. to Barrick Gold Inc. to reflect changes resulting from the 2001 merger of Barrick Gold Corporation and Homestake Mining Company.

Amendment for Encapsulated Waste Rock at Shear Lake:

Part F, Item 5 of the Licence required submission of an application for amendment to the approved Abandonment and Restoration Plan by January 1, 2003 (subsequently extended to March 31, 2003) for the new waste rock disposal area on the shores of Shear Lake. The application for amendment with supporting documentation was submitted to the Nunavut Water Board on March 31, 2003. The amendment was granted on June 6, 2005. In addition, station 940-25 was removed from the monitoring program and replaced with station 940-27, intended to monitor any seepage from the encapsulated waste rock down-gradient to Shear Lake Creek.

The amendment required that suitable as-built drawings for the encapsulated waste rock be submitted within 6 months of the date of the amendment. Drawings were submitted on Dec 5, 2005.

The amendment also required that Section 4.4 of the Approved Abandonment and Restoration Plan be revised to incorporate the latest information with respect to the closure of the Shear Lake Waste Rock disposal area. The revision was submitted concurrent with the 2005 Annual Report.

Contingency Plan to Address Seepage Issues at the Encapsulated Waste Rock

Part F, Item 6, Amendment No. 1 of the Licence required the submission of a Contingency Plan to address the potential of the permafrost not to re-aggrade into the waste rock pile / cover as anticipated, the clogging of the passive treatment system due to the relatively flat terrain and the remediation or mitigation of sediments contaminated with levels of metals in excess of CCME guidelines due to seepage from the encapsulated waste rock pile. The contingency plan for clogging of the passive treatment system and contamination remediation was submitted concurrent with the 2005 Annual Report and under separate cover. In the same document Barrick requested that the requirement for a Contingency Plan for address the possibility of permafrost not re-aggrading into the waste rock be deleted from the Licence since this condition was identified as an “added benefit” and not a design parameter as specified by URS [1].

[1] Assessment of Closure Options and Impacts, Shear Lake Zone Waste Rock Dump, Cullaton Lake Mine Nunavut, March 2003, URS Norecol, Dames & Moore Inc.

Amendment for Encapsulated Waste Rock Thermistors:

Water Licence NWB1CUL0207 required the installation of thermistors in the encapsulated waste rock at Shear Lake. An unsuccessful attempt to install the thermistors was made in July 2003. A report detailing this attempt was submitted to the Nunavut Water Board on November 25, 2003 and requested that this requirement be removed from the Licence. The request was granted on June 6, 2005 and station 940-26 was removed from the monitoring program.

Site Map:

Part G, Item 4a of the Licence required submission to the Board of a Site Map of the Project Environmental Impact Area with active Surveillance Network Program (SNP) Stations within 60 days of issuance of the Licence. The required site map was submitted to the Nunavut Water Board on December 16, 2002.

GPS Coordinates:

Part G, Item 4b of the Licence required submission of GPS coordinates of all surface and subsurface sampling points. The required GPS coordinates were submitted to the Nunavut Water Board on August 29, 2003.

Miscellaneous:

The NWB noted the following in their October 10, 2006 review of the 2005 Annual Water Licence report:

1. While the 2004 reported detection limit for nickel had been lowered as previously requested, the detection limit for arsenic was now higher than previously reported (1μg/l compared to 0.1 μg/l). To clarify the issue the NWB requested that detection limits proposed for the 2007 monitoring be included in this report.

   The variability in detection limits is largely the result of the many recent laboratory acquisitions / mergers and procedure changes. After discussing the issue with the present laboratory and reviewing the associated methods and equipment limitations, the 2007 proposed detection limits are as follows:

Licence Parameter	Method Detection Limit
Total Suspended Solids	1 mg/l
Total Cyanide	0.005 mg/l
Total Arsenic	0.4 μ/l
Total Copper	1 μg/l
Total Lead	0.5 μg/l
Total Mercury	0.00005 mg/l
Total Nickel	1 μg/l
Total Zinc	5 μg/l

2. The NWB commented on the 2005 anomalous zinc value at station 940-23 (.065 mg/l) for follow – up in future monitoring.

   The 2006 sampling at 940-23 reported a zinc concentration of 0.012 mg/l.

3. The NWB requested that the Spill Response Plan contact number for the INAC Water Resources Inspector be changed.

   The required change as been made to the version included with this report.

4. The NWB requested that water quality and thermistor data be also provided in Excel format, in order to allow for easier data analysis

   The data was provided in Excel format via e-mail on October 12, 2006.

4.0 SITE INSPECTION

A site inspection was performed during the August 2, 2006 visit to assess general site conditions and identify any areas of concern. In general, the site was found in good condition and no further issues requiring remedial action were identified. Select photos are included in Appendix 1.

Some additional minor settlement was observed in areas previously filled and at the Shear Lake Portal (see Photos 5 and 9).

5.0 WATER QUALITY MONITORING

Duplicate water sampling was completed on August 2, 2006 at 6 of the 9 stations identified in the Water Licence (see Figures 2 and 3 for locations). Results are provided in Appendix 2. Recent historic results are also included for comparison. The following is a brief description of the sampling activities and results:

Station 940-2 (Tailings Pond No. 1 at discharge to Tailings Pond No. 2) – Duplicate water samples were collected on August 2. Results indicated that all parameters were below the limits prescribed in the Water Licence.

Station 940-3 (Tailings Pond No. 2) – Duplicate water samples were collected on August 2. Results indicated that all parameters were below the limits prescribed in the Water Licence**.**

Station 940-18 (Tailings Pond No. 1 spillway) – Duplicate water samples were collected on August 2. Results indicated that all parameters were below the limits prescribed in the Water Licence.

Station 940-19 (Tailings Pond No. 1 at piezometer) – Duplicate water samples were collected on August 2. Results indicated that all parameters were below the limits prescribed in the Water Licence.

Station 940-20 (Tailings Pond No. 1 seepage at east side) – Duplicate water samples were collected on August 2. Results indicated that all parameters were below the limits prescribed in the Water Licence.

Station 940-22 (Tailings Pond No. 1 seepage at northeast corner) – There was no seepage on August 2 and consequently no samples were collected.

Station 940-23 (Quarry Pit) – Duplicate water samples were collected on August 2. Results indicated that all parameters were below the limits prescribed in the Water Licence. In addition, there was no visible sheen indicating the presence of oil /grease.

Station 940-24 (Quarry Pit flow to Tailings Pond No. 1) - There was no flow from the Quarry Pit to Tailings Pond No. 1 on August 2 and consequently no samples were collected.

Station 940-27 (Seepage from Encapsulated Waste Rock to Shear Lake Creek) - There was no flow observed on August 2 and consequently no samples were collected.

6.0 THERMISTOR MONITORING

Thermistor readings for Station 940-21 are provided in Appendix 3. Recent historic readings are also provided for comparison. Summarized the results indicate there is no discernible change in the permafrost level when compared to previous years.

7.0 GEOTECHNICAL INSPECTION

Demetri Georgiou (Trow Associates), performed the geotechnical inspection on August 2, 2006, pursuant to Part C, Article 1d of the Water Licence. A copy of the inspection report was submitted to the NWB on October 13, 2006.

In summary the report indicates that the tailings dam remains stable. Continued monitoring for erosion in the No 1 Spillway channel is also recommended.

Pursuant to Licence Amendment No.1 date June 6, 2005, Part C, Item 1(e), the condition of the encapsulated waste rock cover at Shear Lake is to be monitored by the geotechnical engineer for erosion until vegetation is sufficiently established so as to stabilize the cover. At the time of the 2006 site inspection, the engineer noted that, while there are some sparse areas, the vegetation resulting from the 2005 seed and fertilizer application is helping to reduce erosion. A recommendation for additional monitoring was also made.

8.0 ANNUAL REVIEW OF SPILL RESPONSE PLAN

Pursuant to Part E of the Water Licence, a review and update of the Spill Response Plan was conducted this month. An updated version is provided in Appendix 4.

9.0 ANNUAL REVIEW OF ABANDONMENT AND RESTORATION PLAN

Pursuant to Part F, Article 4 of the Water Licence, an annual review of the Abandonment and Restoration Plan was completed. There were no changes to the plan.

10.0 ANNUAL REVIEW OF QUALITY ASSURANCE / QUALTY CONTROL

Pursuant to Part G, Article 3, an annual review of the approved quality assurance / quality control plan (QA/QC) was conducted. QA/QC control is provided by Maxxam Analytics Inc., according to its standard quality assurance/quality control plan. This includes the supply of sample containers, supplies and laboratory quality assurance/quality control. The laboratory QC involves duplicate analysis of at least one randomly selected sample from each sampling program. QC results for the 2006 samples are provided in Appendix 2.

11.0 2007 PROPOSED PROGRAM

The 2007 program will consist of a site inspection, water quality and thermistor monitoring, tailings dam geotechnical inspection and EWR cover stability inspection. The program is tentatively scheduled to occur during the first week of August. During the site inspection, some minor final top dressing will be completed manually at previously filled areas of settlement and at the Shear Lake portal.

If required, Barrick will also attend any INAC site inspections.

Appendix 1
Cullaton Lake Site Photos
August 2, 2006

Photo 1: Cullaton Lake main site, looking west, August 2, 2006

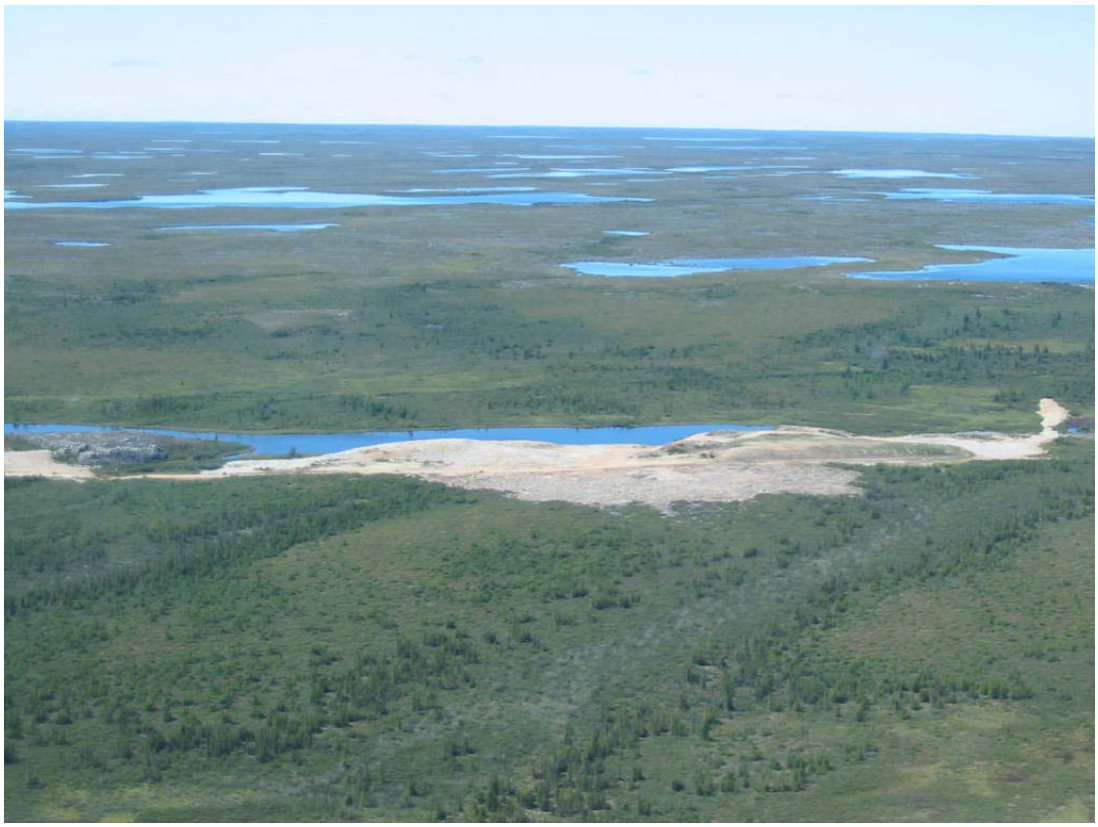


Photo 2: Shear Lake site, looking northwest, August 2, 2006

Photo 3: Flooded portion of Tailings No.1 Pond, looking northwest from spillway, August 2, 2006

Photo 4: Flooded portion of former polishing pond, looking west from spillway, August 2, 2006

Photo 5: Former Shear Lake Portal, August 2, 2006

Photo 6: Former B Zone Portal, August 2 , 2006

Photo 7: Former Fresh Air Raise, August 2, 2006

Photo 8: Encapsulated Waste Rock at Shear Lake 1 year after the application of additional seed and fertilizer. Erosion scars are visible due to being filled in with lighter coloured granular road material.

Photo 9: Minor settlement in quarry pit cover 1 year after being filled in on August 4, 2005

Appendix 2
August 2, 2006
Water Quality Monitoring Results

Cullaton Lake
Water Quality Monitoring Results
August 2, 2006

Location	Sample Number	Field PH	Temp ºC	Lab PH	Suspended Solids mg/L	Total Cyanide mg/L	Total Arsenic mg/L	Total Copper mg/L	Total Lead mg/L	Total Mercury mg/L	Total Nickel mg/L	Total Zinc mg/L
Tailings Pond No. 1	940-2A	8.2	14.5	8.0	<1	<0.005	0.0018	0.001	<0.0005	<0.00005	<0.001	<0.005
(at discharge)	940-2B			8.0	<1	<0.005	0.0019	0.001	<0.0005	<0.00005	<0.001	<0.005
Tailings Pond No. 2	940-3A	8.8	17.4	7.9	2	<0.005	0.0037	0.004	<0.0005	<0.00005	0.005	<0.005
	940-3B			8.1	<1	<0.005	0.0038	0.004	<0.0005	<0.00005	0.005	<0.005
Tailings Pond No. 1	940-18A	8.8	21.4	8.4	3	0.037	0.0055	0.005	<0.0005	<0.00005	0.002	<0.005
(spillway)	940-18B			8.8	2	0.035	0.0056	0.005	<0.0005	<0.00005	0.001	<0.005
Tailings Pond No. 1	940-19A	8.2	15.4	7.9	<1	<0.005	0.0019	0.001	<0.0005	<0.00005	<0.001	<0.005
(at piezometer)	940-19B			8.1	<1	<0.005	0.0019	0.001	<0.0005	<0.00005	<0.001	<0.005
Tailings Pond No. 1	940-20A	8.2	22.0	8.1	1	<0.005	0.0044	0.004	<0.0005	<0.00005	0.006	<0.005
(seepage at east side)	940-20B			8.2	1	<0.005	0.0046	0.005	<0.0005	<0.00005	0.006	<0.005
Tailings Pond No. 1	940-22A	Dry										
(seepage at northeast corner)	940-22B											
Quarry Pit	940-23A	8.3	15.5	8.1	1	<0.005	0.0014	0.002	<0.0005	<0.00005	0.002	0.012
	940-23B			8.2	1	<0.005	0.0016	0.002	<0.0005	<0.00005	0.002	0.012
Quarry Pit	940-24	Dry										
(flow to Tailings Pond No. 1)												
Seepage from Shear Lake Encapsulated Waste Rock to Shear Lake Creek	940-27	Dry										

Cullaton Lake
Water Quality Monitoring
August 2, 2006
Water Analysis Certificate and Quality Control Report

Your Project #: CULLATON LAKE
Your C.O.C. #: 00464830

Attention: Paul Brugger
BARRICK GOLD CORPORATION
171 Copper Cliff Rd E
Station F
Thunder Bay, ON
P7C 5V5

Report Date: 2006/10/16

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A679323
Received: 2006/08/04, 09:22

Sample Matrix: Water
Samples Received: 12

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Total Cyanide	12	2006/08/08	2006/08/10	Ont SOP-0094	EPA 335.3 Modified
Hardness (calculated as CaCO3)	12	N/A	2006/08/23	ATL SOP 00048	SM 2340B
Mercury in Water by CVAA	12	2006/08/09	2006/08/10	Ont SOP 0112	EPA 7470
Total Metals Analysis by ICPMS	12	N/A	2006/08/10	Ont SOP 0624	EPA 6020
pH	12	N/A	2006/08/08	Ont SOP 0067	SM 4500H
Total Suspended Solids	10	N/A	2006/08/09	Ont SOP 0076	SM 2540D
Total Suspended Solids	2	N/A	2006/08/10	Ont SOP 0076	SM 2540D

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

NELLIE GUDZAK, B.Sc., Project Manager
Email: nellie.gudzak@maxxamanalytics.com
Phone# (905) 817-5700 Ext:5806

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Job #: A679323
Report Date: 2006/10/16

BARRICK GOLD CORPORATION
Client Project #: CULLATON LAKE
Project name:
Sampler Initials:

RESULTS OF ANALYSES OF WATER

Maxxam ID		N50793		N50794		N50795		
Sampling Date		2006/08/02		2006/08/02		2006/08/02		
COC Number		00464830		00464830		00464830		
	Units	**940-2A**	**QC Batch**	**940-3A**	**QC Batch**	**940-18A**	**RDL**	**QC Batch**
INORGANICS								
Hardness (CaCO3)	mg/L	210	1038356	90	1038356	210	1	1038356
pH	pH	8.0	1027211	7.9	1026949	8.4	0.01	1027211
Total Suspended Solids	mg/L	ND	1027166	2	1027166	3	1	1027143
Total Cyanide (CN)	mg/L	ND	1027322	ND	1027322	0.037	0.005	1027189

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Maxxam ID		N50796		N50797		N50798		
Sampling Date		2006/08/02		2006/08/02		2006/08/02		
COC Number		00464830		00464830		00464830		
	Units	**940-19A**	**QC Batch**	**940-20A**	**QC Batch**	**940-23A**	**RDL**	**QC Batch**
INORGANICS								
Hardness (CaCO3)	mg/L	210	1038356	220	1038356	120	1	1038356
pH	pH	7.9	1026949	8.1	1026949	8.1	0.01	1026950
Total Suspended Solids	mg/L	ND	1027166	1	1027143	1	1	1027166
Total Cyanide (CN)	mg/L	ND	1027189	ND	1027189	ND	0.005	1027189

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Maxxam ID		N50799	N50800	N50801	N50802	N50803		
Sampling Date		2006/08/02	2006/08/02	2006/08/02	2006/08/02	2006/08/02		
COC Number		00464830	00464830	00464830	00464830	00464830		
	Units	**940-2B**	**940-3B**	**940-18B**	**940-19B**	**940-20B**	**RDL**	**QC Batch**
INORGANICS								
Hardness (CaCO3)	mg/L	210	89	200	210	220	1	1038356
pH	pH	8.0	8.1	8.8	8.1	8.2	0.01	1026949
Total Suspended Solids	mg/L	ND	ND	2	ND	1	1	1027166
Total Cyanide (CN)	mg/L	ND	ND	0.035	ND	ND	0.005	1027189

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A679323
Report Date: 2006/10/16

BARRICK GOLD CORPORATION
Client Project #: CULLATON LAKE
Project name:
Sampler Initials:

RESULTS OF ANALYSES OF WATER

Maxxam ID		N50804		
Sampling Date		2006/08/02		
COC Number		00464830		
	Units	**940-23B**	**RDL**	**QC Batch**
INORGANICS				
Hardness (CaCO3)	mg/L	120	1	1038356
pH	pH	8.2	0.01	1027211
Total Suspended Solids	mg/L	1	1	1027166
Total Cyanide (CN)	mg/L	ND	0.005	1027189

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A679323
Report Date: 2006/10/16

BARRICK GOLD CORPORATION
Client Project #: CULLATON LAKE
Project name:
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		N50793	N50794	N50795	N50796	N50797		
Sampling Date		2006/08/02	2006/08/02	2006/08/02	2006/08/02	2006/08/02		
COC Number		00464830	00464830	00464830	00464830	00464830		
	Units	**940-2A**	**940-3A**	**940-18A**	**940-19A**	**940-20A**	**RDL**	**QC Batch**
METALS								
Total Arsenic (As)	ug/L	1.8	3.7	5.5	1.9	4.4	0.4	1029502
Total Copper (Cu)	ug/L	1	4	5	1	4	1	1029502
Total Lead (Pb)	ug/L	ND	ND	ND	ND	ND	0.5	1029502
Mercury (Hg)	mg/L	ND	ND	ND	ND	ND	0.00005	1028158
Total Nickel (Ni)	ug/L	ND	5	2	ND	6	1	1029502
Total Zinc (Zn)	ug/L	ND	ND	ND	ND	ND	5	1029502

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Maxxam ID		N50798		N50799		N50800		
Sampling Date		2006/08/02		2006/08/02		2006/08/02		
COC Number		00464830		00464830		00464830		
	Units	**940-23A**	**QC Batch**	**940-2B**	**QC Batch**	**940-3B**	**RDL**	**QC Batch**
METALS								
Total Arsenic (As)	ug/L	1.4	1029502	1.9	1029538	3.8	0.4	1029502
Total Copper (Cu)	ug/L	2	1029502	1	1029538	4	1	1029502
Total Lead (Pb)	ug/L	ND	1029502	ND	1029538	ND	0.5	1029502
Mercury (Hg)	mg/L	ND	1028158	ND	1028158	ND	0.00005	1028139
Total Nickel (Ni)	ug/L	2	1029502	ND	1029538	5	1	1029502
Total Zinc (Zn)	ug/L	12	1029502	ND	1029538	ND	5	1029502

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A679323
Report Date: 2006/10/16

BARRICK GOLD CORPORATION
Client Project #: CULLATON LAKE
Project name:
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		N50801	N50802		N50803	N50804		
Sampling Date		2006/08/02	2006/08/02		2006/08/02	2006/08/02		
COC Number		00464830	00464830		00464830	00464830		
	Units	**940-18B**	**940-19B**	**QC Batch**	**940-20B**	**940-23B**	**RDL**	**QC Batch**
METALS								
Total Arsenic (As)	ug/L	5.6	1.9	1029538	4.6	1.6	0.4	1029502
Total Copper (Cu)	ug/L	5	1	1029538	5	2	1	1029502
Total Lead (Pb)	ug/L	ND	ND	1029538	ND	ND	0.5	1029502
Mercury (Hg)	mg/L	ND	ND	1028158	ND	ND	0.00005	1028158
Total Nickel (Ni)	ug/L	1	ND	1029538	6	2	1	1029502
Total Zinc (Zn)	ug/L	ND	ND	1029538	ND	12	5	1029502

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: A679323
Report Date: 2006/10/16

BARRICK GOLD CORPORATION
Client Project #: CULLATON LAKE
Project name:
Sampler Initials:

GENERAL COMMENTS

Revised: Reported RL for Arsenic and Mercury revised to meet client requirements.

Results relate only to the items tested.

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BARRICK GOLD CORPORATION
Attention: Paul Brugger
Client Project #: CULLATON LAKE
P.O. #:
Project name:

Quality Assurance Report

Maxxam Job Number: MA679323

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1027143	HAE	QC STANDARD	Total Suspended Solids	2006/08/10		99	%	85 - 115
		Method Blank	Total Suspended Solids	2006/08/10	ND, RDL=1		mg/L	
		RPD	Total Suspended Solids	2006/08/10	0		%	25
1027166	HAE	QC STANDARD	Total Suspended Solids	2006/08/09		100	%	85 - 115
		Method Blank	Total Suspended Solids	2006/08/09	ND, RDL=1		mg/L	
		RPD	Total Suspended Solids	2006/08/09	NC		%	25
1027189	CP	MATRIX SPIKE	Total Cyanide (CN)	2006/08/10		93	%	75 - 125
		QC STANDARD	Total Cyanide (CN)	2006/08/10		88	%	85 - 115
		Spiked Blank	Total Cyanide (CN)	2006/08/10		89	%	75 - 125
		Method Blank	Total Cyanide (CN)	2006/08/10	ND, RDL=0.005		mg/L	
		RPD	Total Cyanide (CN)	2006/08/10	NC		%	25
1027322	BMO	MATRIX SPIKE [N50793-03]	Total Cyanide (CN)	2006/08/10		111	%	75 - 125
		QC STANDARD	Total Cyanide (CN)	2006/08/10		90	%	85 - 115
		Spiked Blank	Total Cyanide (CN)	2006/08/10		108	%	75 - 125
		Method Blank	Total Cyanide (CN)	2006/08/10	ND, RDL=0.005		mg/L	
		RPD [N50793-03]	Total Cyanide (CN)	2006/08/10	NC		%	25
1028139	KCO	MATRIX SPIKE [N50800-04]	Mercury (Hg)	2006/08/10		106	%	75 - 125
		QC STANDARD	Mercury (Hg)	2006/08/10		104	%	75 - 125
		Spiked Blank	Mercury (Hg)	2006/08/10		106	%	84 - 113
		Method Blank	Mercury (Hg)	2006/08/10	ND, RDL=0.0001		mg/L	
		RPD [N50800-04]	Mercury (Hg)	2006/08/10	NC		%	25
1028158	KCO	MATRIX SPIKE [N50801-04]	Mercury (Hg)	2006/08/10		108	%	75 - 125
		QC STANDARD	Mercury (Hg)	2006/08/10		103	%	75 - 125
		Spiked Blank	Mercury (Hg)	2006/08/10		106	%	84 - 113
		Method Blank	Mercury (Hg)	2006/08/10	ND, RDL=0.0001		mg/L	
		RPD [N50801-04]	Mercury (Hg)	2006/08/10	NC		%	25
1029502	HRE	MATRIX SPIKE [N50797-05]	Total Arsenic (As)	2006/08/10		101	%	80 - 120
			Total Copper (Cu)	2006/08/10		98	%	80 - 120
			Total Lead (Pb)	2006/08/10		98	%	80 - 120
			Total Nickel (Ni)	2006/08/10		98	%	80 - 120
			Total Zinc (Zn)	2006/08/10		99	%	80 - 120
		Spiked Blank	Total Arsenic (As)	2006/08/10		103	%	86 - 119
			Total Copper (Cu)	2006/08/10		102	%	80 - 117
			Total Lead (Pb)	2006/08/10		98	%	80 - 120
			Total Nickel (Ni)	2006/08/10		102	%	81 - 117
			Total Zinc (Zn)	2006/08/10		105	%	80 - 120
		Method Blank	Total Arsenic (As)	2006/08/10	ND, RDL=1		ug/L	
			Total Copper (Cu)	2006/08/10	ND, RDL=1		ug/L	
			Total Lead (Pb)	2006/08/10	ND, RDL=0.5		ug/L	
			Total Nickel (Ni)	2006/08/10	ND, RDL=1		ug/L	
			Total Zinc (Zn)	2006/08/10	ND, RDL=5		ug/L	
		RPD [N50797-05]	Total Arsenic (As)	2006/08/10	0.9		%	25
			Total Copper (Cu)	2006/08/10	NC		%	25
			Total Lead (Pb)	2006/08/10	NC		%	25
			Total Nickel (Ni)	2006/08/10	0.9		%	25
			Total Zinc (Zn)	2006/08/10	NC		%	25
1029538	HRE	MATRIX SPIKE	Total Arsenic (As)	2006/08/10		103	%	80 - 120
			Total Copper (Cu)	2006/08/10		98	%	80 - 120
			Total Lead (Pb)	2006/08/10		99	%	80 - 120
			Total Nickel (Ni)	2006/08/10		99	%	80 - 120
			Total Zinc (Zn)	2006/08/10		100	%	80 - 120

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BARRICK GOLD CORPORATION
Attention: Paul Brugger
Client Project #: CULLATON LAKE
P.O. #:
Project name:

Quality Assurance Report (Continued)

Maxxam Job Number: MA679323

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
1029538	HRE	Spiked Blank	Total Arsenic (As)	2006/08/10		103	%	86 - 119
			Total Copper (Cu)	2006/08/10		103	%	80 - 117
			Total Lead (Pb)	2006/08/10		101	%	80 - 120
			Total Nickel (Ni)	2006/08/10		102	%	81 - 117
			Total Zinc (Zn)	2006/08/10		104	%	80 - 120
		Method Blank	Total Arsenic (As)	2006/08/10	ND, RDL=1		ug/L	
			Total Copper (Cu)	2006/08/10	ND, RDL=1		ug/L	
			Total Lead (Pb)	2006/08/10	ND, RDL=0.5		ug/L	
			Total Nickel (Ni)	2006/08/10	ND, RDL=1		ug/L	
			Total Zinc (Zn)	2006/08/10	ND, RDL=5		ug/L	
		RPD	Total Copper (Cu)	2006/08/10	NC		%	25
			Total Lead (Pb)	2006/08/10	NC		%	25
			Total Nickel (Ni)	2006/08/10	NC		%	25

ND = Not detected
NC = Non-calculable
RPD = Relative Percent Difference
QC Standard = Quality Control Standard
SPIKE = Fortified sample

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Validation Signature Page

Maxxam Job #: A679323

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

CHRISTINA NERVO, Scientific Services

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Cullaton Lake
Water Quality Monitoring Results
2001- 2006

CULLATON LAKE GOLD MINES LTD.

CULLATON LAKE MINE

WATER ANALYSIS REPORT

STATION 940-02A - TAILNGS POND NO. 1 DISCHARGE, AUGUST 2006

Physical and General	Units	Water License	CCME Guidelines	July 26 2001	July 3 2002	July 29 2003	July 7 2004	Aug 5 2005	Aug 2 2006	MINIMUM	MAXIMUM	AVERAGE
pH (lab)	units	**6.0 - 9.5**	**6.5-9.0**	8.00	7.81	8.07	7.77	7.8	8.0	7.77	8.07	7.91
Temperature	^{o}C			21.6	14.1	21.0	15.3	NR	14.5	14.1	21.6	17.3
Suspended Solids (105^{o}C)	mg/L	**25.0**		4	< 3	< 3	< 3	14	< 1	< 1	14	< 5
Total Cyanide	mg/L	**0.80**		0.015	0.009	< 0.005	< 0.0050	0.006	< 0.005	< 0.005	0.015	< 0.008
Total Hardness	mg CaCO3/L						197	199	210	197	210	202
Minor Cations												
Arsenic	mg/L	**0.30**	**0.005**	0.0025	0.0022	0.0025	0.00159	0.003	0.0018	0.00159	0.003	0.0023
Copper	mg/L	**0.20**	**0.004**	0.002	0.002	0.002	0.0014	0.002	0.001	0.001	0.002	0.002
Lead	mg/L	**0.20**	**0.007**	0.001	< 0.001	< 0.001	< 0.0010	< 0.001	< 0.0005	< 0.0005	< 0.001	< 0.0009
Mercury	mg/L		**0.0002**	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.0001	< 0.00005	< 0.00005	< 0.0001	< 0.0001
Nickel	mg/L	**0.30**	**0.150**	< 0.02	0.003	0.001	< 0.020	< 0.002	< 0.001	0.001	< 0.020	< 0.008
Zinc	mg/L	**0.30**	**0.030**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.003	< 0.005	< 0.003	< 0.005	< 0.005

( ) Laboratory replicate.
[ ] Results re-checked.
(E) Not analyzed
NR: Not recorded due to equipment malfunction

CULLATON LAKE GOLD MINES LTD.

CULLATON LAKE MINE

WATER ANALYSIS REPORT

STATION 940-03A - TAILNGS POND NO. 2 DISCHARGE, AUGUST 2006

Physical and General	Units	Water License	CCME Guidelines	July 26 2001	July 3 2002	July 29 2003	July 7 2004	Aug 5 2005	Aug 2 2006	MINIMUM	MAXIMUM	AVERAGE
pH (lab)	units	**6.0 - 9.5**	**6.5-9.0**	8.03	8.05	8.07	7.96	7.7	7.9	7.7	8.07	7.95
Temperature	^{o}C			21.6	15.7	20.8	19.3	NR	17.4	15.7	21.6	19.0
Suspended Solids ($105^{o}C$)	mg/L	**25.0**		< 3	< 3	5	< 3	2	2	< 2	5	< 3
Total Cyanide	mg/L	**0.80**		0.035	0.010	0.010	0.0072	< 0.0020	< 0.005	< 0.002	0.035	< 0.012
Total Hardness	mg CaCO3/L						92.4	100	90	90	100	94
Minor Cations												
Arsenic	mg/L	**0.30**	**0.005**	0.0042	0.0032	**0.0059**	0.00305	0.004	0.0037	0.0032	0.0059	0.0040
Copper	mg/L	**0.20**	**0.002**	0.003	0.003	0.003	**0.0043**	**0.020**	**0.004**	< 0.003	0.020	< 0.003
Lead	mg/L	**0.20**	**0.002**	< 0.001	< 0.001	< 0.001	< 0.0010	< 0.001	< 0.0005	< 0.0005	< 0.001	< 0.0009
Mercury	mg/L		**0.0002**	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.0001	< 0.00005	< 0.00005	< 0.0001	< 0.0001
Nickel	mg/L	**0.30**	**0.065**	< 0.02	0.003	0.004	< 0.020	0.003	0.005	0.003	< 0.020	< 0.010
Zinc	mg/L	**0.30**	**0.030**	< 0.005	< 0.005	< 0.005	< 0.005	0.015	< 0.005	< 0.005	0.015	< 0.005

( ) Laboratory replicate.
[ ] Results re-checked.
(E) Not analyzed
NR: Not recorded due to equipment malfunction

CULLATON LAKE GOLD MINES LTD.

CULLATON LAKE MINE

WATER ANALYSIS REPORT

STATION 940-18A - TAILNGS POND NO. 1 SPILLWAY, AUGUST 2006

Physical and General	Units	Water License	CCME Guidelines	July 26 2001	July 3 2002	July 29 2003	July 7 2004	Aug 5 2005	Aug 2 2006	MINIMUM	MAXIMUM	AVERAGE
pH (lab)	units	**6.0 - 9.5**	**6.5-9.0**	8.10	7.86	8.87	7.89	8.1	8.4	7.86	8.87	8.20
Temperature	^{o}C			21.5	14.2	20.5	18.5	NR	21.4	14.2	21.5	19.2
Suspended Solids ($105^{o}C$)	mg/L	**25.0**		< 3	< 3	4	< 3	< 2	3	< 2	4	< 3
Total Cyanide	mg/L	**0.80**		0.009	0.008	0.009	0.0096	0.004	0.037	0.004	0.037	0.013
Total Hardness	mg CaCO3/L						217	200	210	200	217	209
Minor Cations												
Arsenic	mg/L	**0.30**	**0.005**	0.0023	0.0021	0.0029	0.00165	0.002	**0.0055**	0.00165	0.006	0.00274
Copper	mg/L	**0.20**	**0.004**	0.002	0.001	0.002	0.0018	0.001	**0.005**	0.001	0.005	0.002
Lead	mg/L	**0.20**	**0.007**	< 0.001	< 0.001	< 0.001	< 0.0010	< 0.001	< 0.0005	< 0.0005	< 0.001	< 0.0009
Mercury	mg/L		**0.0002**	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.0001	< 0.00005	< 0.00005	< 0.0001	< 0.0001
Nickel	mg/L	**0.30**	**0.150**	< 0.02	0.002	0.001	< 0.020	< 0.002	0.002	0.001	< 0.02	< 0.008
Zinc	mg/L	**0.30**	**0.030**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.003	< 0.005	< 0.003	< 0.005	< 0.005

( ) Laboratory replicate.
[ ] Results re-checked.
(E) Not analyzed
NR: Not recorded due to equipment malfunction

CULLATON LAKE GOLD MINES LTD.

CULLATON LAKE MINE

WATER ANALYSIS REPORT

STATION 940-19A - TAILNGS POND NO. 1 PIEZOMETER AUGUST 2006

Physical and General	Units	NWB Water License	CCME Guidelines	July 26 2001	July 3 2002	July 29 2003	July 7 2004	Aug 5 2005	Aug 2 2006	MINIMUM	MAXIMUM	AVERAGE
pH (lab)	units	**6.0 - 9.5**	**6.5-9.0**	8.11	7.89	8.08	7.69	7.9	7.9	7.69	8.11	7.93
Temperature	^{o}C			22.0	12.7	20.8	16.3	NR	15.4	12.7	22.0	17.4
Suspended Solids (105^{o}C)	mg/L	**25.0**		< 3	< 3	8	< 3	2	< 1	< 1	8	< 3
Total Cyanide	mg/L	**0.80**		0.010	0.012	< 0.005	0.0074	0.006	< 0.005	< 0.005	0.012	< 0.008
Total Hardness	mg CaCO3/L						206	201	210	201	210	206
Minor Cations												
Arsenic	mg/L	**0.30**	**0.005**	0.0024	0.0030	0.0036	0.00209	0.002	0.0019	0.002	0.0036	0.0025
Copper	mg/L	**0.20**	**0.004**	0.002	0.002	0.002	0.0015	0.002	0.001	0.001	0.002	0.002
Lead	mg/L	**0.20**	**0.007**	< 0.001	0.001	< 0.001	< 0.0010	< 0.001	< 0.0005	< 0.0005	< 0.001	< 0.0009
Mercury	mg/L		**0.0002**	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.0001	< 0.00005	< 0.00005	< 0.0001	< 0.0001
Nickel	mg/L	**0.30**	**0.150**	< 0.02	0.003	0.002	< 0.020	< 0.002	< 0.001	< 0.001	< 0.02	< 0.008
Zinc	mg/L	**0.30**	**0.030**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.003	< 0.005	< 0.003	< 0.005	< 0.005

( ) Laboratory replicate.
[ ] Results re-checked.
(E) Not analyzed
NR: Not recorded due to equipment malfunction

CULLATON LAKE GOLD MINES LTD.

CULLATON LAKE MINE

WATER ANALYSIS REPORT

STATION 940-20A - TAILNGS POND NO. 1 EAST SIDE SEEPAGE, AUGUST 2006

Physical and General	Units	Water License	CCME Guidelines	July 26 2001	July 3 2002	July 29 2003	July 7 2004	Aug 5 2005	Aug 2 2006	MINIMUM	MAXIMUM	AVERAGE
pH (lab)	units	**6.0 - 9.5**	**6.5-9.0**	8.43	D	D	8.13	7.8	8.1	7.8	8.43	8.12
Temperature	^{o}C			24.3	D	D	21.3	NR	22.0	21.3	24.3	22.5
Suspended Solids (105^{o}C)	mg/L	**25.0**		5	D	D	< 3	< 2	1	< 1	5	< 3
Total Cyanide	mg/L	**0.80**		0.019	D	D	0.0104	0.118	< 0.005	< 0.005	0.118	< 0.038
Total Hardness	mg CaCO3/L						310	338	220	220	338	289
Minor Cations												
Arsenic	mg/L	**0.30**	**0.005**	0.0028	D	D	0.00297	0.001	0.0044	0.001	0.004	0.003
Copper	mg/L	**0.20**	**0.004**	0.005	D	D	0.0041	0.004	0.004	0.004	0.005	0.004
Lead	mg/L	**0.20**	**0.007**	< 0.001	D	D	< 0.0010	< 0.001	< 0.0005	< 0.0005	< 0.001	< 0.0009
Mercury	mg/L		**0.0002**	< 0.00005	D	D	< 0.00005	< 0.0001	< 0.00005	< 0.00005	< 0.0001	< 0.0001
Nickel	mg/L	**0.30**	**0.150**	< 0.02	D	D	< 0.020	0.015	0.006	0.006	< 0.02	< 0.015
Zinc	mg/L	**0.30**	**0.030**	< 0.005	D	D	< 0.005	< 0.003	< 0.005	< 0.003	< 0.005	< 0.005

( ) Laboratory replicate.
[ ] Results re-checked.
D Dry
NR: Not recorded due to equipment malfunction

CULLATON LAKE GOLD MINES LTD.

CULLATON LAKE MINE

WATER ANALYSIS REPORT

STATION 940-22A - TAILNGS POND NO. 1 NORTH SIDE SEEPAGE, AUGUST 2006

Physical and General	Units	Water License	CCME Guidelines	July 26 2001	July 3 2002	July 29 2003	July 7 2004	Aug 5 2005	Aug 2 2006	MINIMUM	MAXIMUM	AVERAGE
pH (lab)	units	**6.0 - 9.5**	**6.5-9.0**	D	D	D	D	7.7	D	7.7	7.7	7.7
Temperature	^{o}C			D	D	D	D	NR	D	NR	NR	NR
Suspended Solids (105^{o}C)	mg/L	**25.0**		D	D	D	D	6	D	6	6	6
Total Cyanide	mg/L	**0.80**		D	D	D	D	0.073	D	0.073	0.073	0.073
Total Hardness	mg CaCO3/L			D	D	D	D	515	D	515	515	515
Minor Cations												
Arsenic	mg/L	**0.30**	**0.005**	D	D	D	D	0.001	D	0.001	0.001	0.001
Copper	mg/L	**0.20**	**0.004**	D	D	D	D	0.004	D	0.004	0.004	0.004
Lead	mg/L	**0.20**	**0.007**	D	D	D	D	< 0.001	D	< 0.001	< 0.001	< 0.001
Mercury	mg/L		**0.0002**	D	D	D	D	< 0.0001	D	< 0.0001	< 0.0001	< 0.0001
Nickel	mg/L	**0.30**	**0.150**	D	D	D	D	0.045	D	0.045	0.045	0.045
Zinc	mg/L	**0.30**	**0.030**	D	D	D	D	< 0.010	D	< 0.010	< 0.010	< 0.010

( ) Laboratory replicate.
[ ] Results re-checked.
D Dry
NR: Not recorded due to equipment malfunction

CULLATON LAKE GOLD MINES LTD.

CULLATON LAKE MINE

WATER ANALYSIS REPORT

STATION 940-23A - QUARRY PIT, AUGUST 2006

Physical and General	Units	Water License	CCME Guidelines	July 26 2001	July 3 2002	July 29 2003	July 7 2004	Aug 5 2005	Aug 2 2006	MINIMUM	MAXIMUM	AVERAGE
pH (lab)	units	**6.0 - 9.5**	**6.5-9.0**	D	7.82	8.07	7.56	7.8	8.1	7.56	8.1	7.87
Temperature	^{o}C			D	12.7	20.7	15.7	NR	15.5	12.7	20.7	16.2
Suspended Solids (105^{o}C)	mg/L	**25.0**		D	< 3	10	< 3	4	1	1	10	4
Total Cyanide	mg/L	**0.80**		D	< 0.005	< 0.006	< 0.0050	< 0.002	< 0.005	< 0.002	< 0.006	< 0.005
Total Hardness	mg CaCO3/L						37.9	104	120	37.9	120	87.3
Minor Cations												
Arsenic	mg/L	**0.30**	**0.005**	D	0.0020	0.0019	0.00096	0.002	0.0014	0.00096	0.002	0.002
Copper	mg/L	**0.20**	**0.003**	D	0.003	0.002	< 0.0010	0.002	0.002	< 0.0010	0.003	< 0.002
Lead	mg/L	**0.20**	**0.002**	D	< 0.001	< 0.001	< 0.0010	< 0.001	< 0.0005	< 0.0005	< 0.001	< 0.0009
Mercury	mg/L		**0.0002**	D	< 0.00005	< 0.00005	< 0.00005	< 0.0001	< 0.00005	< 0.00005	< 0.0001	< 0.0001
Nickel	mg/L	**0.30**	**0.065**	D	0.003	0.002	< 0.020	0.002	0.002	0.002	< 0.020	< 0.006
Zinc	mg/L	**0.30**	**0.030**	D	0.008	0.007	0.0087	0.065	0.012	0.007	0.065	0.020

( ) Laboratory replicate.
[ ] Results re-checked.
(E) Not analyzed
NR: Not recorded due to equipment malfunction

CULLATON LAKE GOLD MINES LTD.

CULLATON LAKE MINE

WATER ANALYSIS REPORT

STATION 940-24A - AREA OF SEEPAGE FROM QUARY PIT TO TAILINGS POND, AUGUST 2006

Physical and General	Units	Water License	CCME Guidelines	July 26 2001	July 3 2002	July 29 2003	July 7 2004	Aug 5 2005	Aug 2 2006	MINIMUM	MAXIMUM	AVERAGE
pH (lab)	units	**6.0 - 9.5**	**6.5-9.0**	D	D	D	D	D	D			
Temperature	^{o}C			D	D	D	D	D	D			
Suspended Solids (105^{o}C)	mg/L	**25.0**		D	D	D	D	D	D			
Total Cyanide	mg/L	**0.80**		D	D	D	D	D	D			
Total Hardness	mg CaCO3/L			D	D	D	D	D	D			
Oil and Grease	mg/L	**Visible**		D	D	D	D	D	D			
Minor Cations												
Arsenic	mg/L	**0.30**	**0.005**	D	D	D	D	D	D			
Copper	mg/L	**0.20**	**0.004**	D	D	D	D	D	D			
Lead	mg/L	**0.20**	**0.007**	D	D	D	D	D	D			
Mercury	mg/L		**0.0002**	D	D	D	D	D	D			
Nickel	mg/L	**0.30**	**0.150**	D	D	D	D	D	D			
Zinc	mg/L	**0.30**	**0.030**	D	D	D	D	D	D			

( ) Laboratory replicate.
[ ] Results re-checked.
D: Dry

CULLATON LAKE GOLD MINES LTD.

CULLATON LAKE MINE

WATER ANALYSIS REPORT

STATION 940-27A - AREA OF SEEPAGE FROM EWR TO SHEAR LAKE CREEK (1), AUGUST 2006

Physical and General	Units	Water License	CCME Guidelines	July 26 2001	July 3 2002	July 29 2003	July 7 2004	Aug 5 2005	Aug 2 2006	MINIMUM	MAXIMUM	AVERAGE
pH (lab)	units	**6.0 - 9.5**	**6.5-9.0**					D	D			
Temperature	^{o}C							D	D			
Suspended Solids (105^{o}C)	mg/L	**25.0**						D	D			
Total Cyanide	mg/L	**0.80**						D	D			
Total Hardness	mg CaCO3/L							D	D			
Sulphate	mg/L							D	D			
Minor Cations												
Arsenic	mg/L	**0.30**	**0.005**					D	D			
Copper	mg/L	**0.20**	**0.004**					D	D			
Lead	mg/L	**0.20**	**0.007**					D	D			
Mercury	mg/L		**0.0002**					D	D			
Nickel	mg/L	**0.30**	**0.150**					D	D			
Zinc	mg/L	**0.30**	**0.030**					D	D			

(1) Station added in 2005
( ) Laboratory replicate.
[ ] Results re-checked.
D: Dry

Appendix 3
August 2, 2006
Thermistor Monitoring Results

THERMISTOR MONITORING RESULTS
Station 940-21
Temperature °C

August 2, 2006

Depth (m)	T1 (°C)	T2 (°C)	T3 (°C)	T4 (°C)
0.3	26.91	26.41	27.93	25.46
0.8	9.49	8.31	25.46	11.65
1.3	6.15	6.32	16.00	7.38
1.8	4.22	5.65	7.74	4.22
2.3	0.65	3.19	4.69	-0.89
2.8	-0.66	3.48	4.07	-0.43

August 3, 2005

Depth (m)	T1 (°C)	T2 (°C)	T3 (°C)	T4 (°C)
0.3	18.45	20.16	22.03	20.52
0.8	12.34	10.75	20.89	10.11
1.3	7.38	7.56	13.32	7.56
1.8	3.48	5.82	8.12	2.62
2.3	-0.43	2.21	3.63	-1.56
2.8	-1.45	-0.43	No reading	-2.10

July 7, 2004

Depth (m)	T1 (°C)	T2 (°C)	T3 (°C)	T4 (°C)
0.3	25.46	22.43	26.91	24.99
0.8	9.69	8.12	21.26	8.89
1.3	2.76	3.48	10.54	2.76
1.8	-0.66	0.16	2.62	-0.66
2.3	-2.10	-0.55	-0.78	-2.21
2.8	-3.23	-1.67	No reading	-1.89

July 29, 2003

Depth (m)	T1 (°C)	T2 (°C)	T3 (°C)	T4 (°C)
0.3	20.8	19.1	20.8	17.5
0.8	17.2	15.1	20.7	15.1
1.3	9.9	10.3	17.2	10.3
1.8	6.15	7.9	9.7	3
2.3	1.68	5.8	5.8	-2.7
2.8	0.28	No reading	No reading	-2.9

Appendix 4
2007 Spill Response Plan

CULLATON LAKE
ENVIRONMENTAL SPILL RESPONSE PLAN

COMPANY INFORMATION

Cullaton Lake Gold Mines Ltd. is wholly owned by Barrick Gold Inc. The Barrick head office responsible for the site is located at:

Barrick Gold Inc.
BCE Place, Canada Trust Tower, Suite 3700
161 Bay Street, P.O. Box 212
Toronto, Ontario
M5J 2S1

The site manager is:

Paul Brugger,
Barrick Gold Inc.
171 Copper Cliff Road East
Neebing, Ontario
P7L 0B6
Phone: 807-964-1657 (Thunder Bay, Ontario)
Cell: 807-473-7947
e-mail: p.brugger@sympatico.ca

SITE LOCATION:

The Cullaton Lake property is located in the southern part of the District of Keewatin in the Nunavut Territory. The property is 250 km west of Arviat, NU, 400 km northwest of Churchill, Manitoba and 645 km north of Thompson, Manitoba.

FACILITY:

Cullaton Lake operated as an underground gold mine for four years from 1981 to 1985. Decommissioning and reclamation began in 1991 and was completed in 2001. By the end of 2001, all mine buildings had been removed, roads were decommissioned and the tailings impoundment area was reclaimed. No chemicals, fuels or reagents remain on site.

Remaining activities on the site consist of a one-day annual visit for inspection and monitoring purposes. The site is dormant and uninhabited for the remainder of the year.

SPILL CONTROL AND REPORTING PROCEDURES:

Should it be necessary to mobilize contractors to the site for any reason in the future, the contractor will be required to supply spill control and clean up materials, have a spill control plan and train personnel in spill response procedures.

Upon discovery of a spill, the person discovering the spill will take the following actions:

INITIAL ACTIONS:

a. Stop the flow if possible.
b. Eliminate open flame ignition sources (i.e. extinguish cigarettes, shut off motors (from a remote location if surrounded by vapours).
c. Contain flow of fuel by dyking, barricading or blocking flow by any means available. Use earth-moving equipment if available. A dam made of earth or other available fill can be quickly constructed to contain and prevent a spill from spreading. If the ground is permeable, it may be necessary to excavate a shallow depression and line it with plastic to prevent the oil from seeping away.

ACTION IN CASE OF FIRE:

a. Use $C0_2$, dry chemical, foam or water spray (fog), although water may spread the fire.
b. Use jet streams to wash away burning gasoline.
c. Use fog streams to protect any rescue team and trapped people.
d. Use water to cool surface of tanks.
e. Divert the oil or gasoline to an open area and let it burn off under control. If the fire is put out before all the fuel is consumed, beware of re-ignition. Rubber tires are almost impossible to extinguish after involvement with a fire. Have vehicles with burning tires removed from the danger area.

RECOVERY PROCEDURE:

a. Unburned oil or gasoline can be soaked up by sand and peat moss, or by commercial absorbents such as Graboil.
b. If necessary, contaminated soil should be excavated and disposed of as per the following section.
c. Fuel entering the ground can be recovered by digging sumps or trenches.

DISPOSAL:

a. Evaporation may be used if appropriate.
b. Disposal as per the approved Abandonment and Restoration (1996) Plan.

REPORTING:

An individual discovering a spill must report it as soon as possible to the 24 hour Spill Report Line by calling:

(867) 920-8130

(1) A person reporting a spill shall give as much of the following information as possible:

- date and time of spill
- location of spill
- direction spill is moving
- name and phone number of a contact person close to the location of the spill
- type and description of contaminant spilled including an estimate of the quantity
- cause of spill
- status of spill (i.e. continuing or stopped)
- action taken to contain, recover, clean-up, and dispose of contaminant
- name, address and phone number of person reporting the spill
- name of owner, or person in charge or control of contaminant at time of spill

(2) No person shall delay reporting a spill because of lack of knowledge of the factors listed in subsection (1).

(1) The person reporting the spill shall also contact:

- INAC Water Resources Inspector at: (**867) 975-4295**
- Environment Canada at **(867) 975-4644** and emergency pager **(867) 920-5131**
- Government of Nunavut Environmental Protection at **(867) 857-2828**
- Kivalliq Inuit Association at **(867) 645-2810** or **1-800-220-6541 Contact Stephen Hartman**
- If required:
  - RCMP – Arviat at **(867) 857-0123**
  - Arviat Hospital at **(867) 857-3100**
  - Arviat Fire Response at **(867) 857-2538**

(4) Barrick Gold Corporation :

Paul Brugger,
Site Manager
Phone: **807-964-1657**
Cell: 807-473-7947

Alternate:
Bill Ferdinand
Director, Environment, Health and Safety,
North American Region
Phone: **801-990-3746**
Cell: 801-244-3540