# NORTHERN ABITIBI MINING CORP.

SUITE 500, 926-5<sup>TH</sup> AVENUE S.W., CALGARY, ALBERTA, T2P 0N7 PH: 403.233.2636 FAX: 403.266.2606

MARCH 10, 2008

Attention: Director of Environmental Assessment Minister of Environment and Conservation P.O. Box 8700 St. John's NF A1B 4J6

Project: Viking Gold Project - White Bay Exploration Access Trail

Location: Sop's Arm (10km southwest)

File No. E080060

It has been determined that our mineral exploration project south of Sops Arm Newfoundland requires registration under Section 48(1)f of the Environmental Assessment Regulations.

Our completed Registration Form along with 40 copies and a fee of \$200 plus HST is enclosed.

Sincerely,

Shane Ebert President

Northern Abitibi Mining

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March 10, 2008

**Environmental Registration Application** 

File No.: E080060

NAME OF UNDERTAKING: Viking Gold project - White Bay Exploration Access

Trail

#### **PROPONENT:**

(i) Northern Abitibi Mining Corp.

(ii) Suite 500, 926 – 5 Ave. S.W., Calgary, AB, T2P 0N7

(iii) Chief Executive Officer

Name: Dr. Shane W. Ebert Official Title: President and CEO

Address: Suite 500, 926 – 5 Ave. S.W., Calgary, AB, T2P 0N7

Telephone No.: 403 233-2636

(iv) Principle Contact for the purposes of environmental assessment:

Name: Dr. Shane W. Ebert Official Title: President and CEO

Address: Suite 500, 926 - 5 Ave. S.W., Calgary, AB, T2P 0N7

Telephone No.: 403 233-2636

#### THE UNDERTAKING:

(i) Nature of the Undertaking:

Northern Abitibi Mining is planning on conducting mineral exploration work at the Viking gold project. We are looking to continue trenching the property (6 trenches were completed in 2007), construct a 2.3 kilometer hiking and/or ATV trail, and drill up to 10 diamond drill holes.

(ii) Purpose/Rationale for the Undertaking:

Several large gold in soil anomalies have been delineated and numerous gold bearing quartz veins have been identified at the Viking gold project. In 2007 Northern Abitibi constructed an access trail (Tote Road) into the Viking property and completed 6 trenches with an excavator. Several zones of high grade gold mineralization were uncovered in the trenches and the project has very good potential to host a large gold deposit.

Additional mineral exploration work is necessary to evaluate the gold potential of the district.

#### **DESCRIPTION OF THE UNDERTAKING:**

# (i) Geographical Location:

The Viking gold project is located approximately 10 kilometers south of Sop's Arm on the west side of Route 420 (Figure 1).

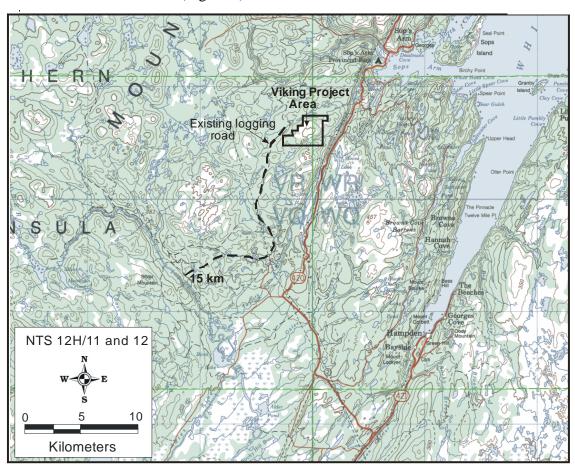


Figure 1. Location of the Viking Project in the White Bay region of northwest Newfoundland.

The detailed location of the project in relation to existing infrastructure is shown on Figure 2. Route 420 and a power line occur just east of the project area and there are no existing building or structures within the claim area.

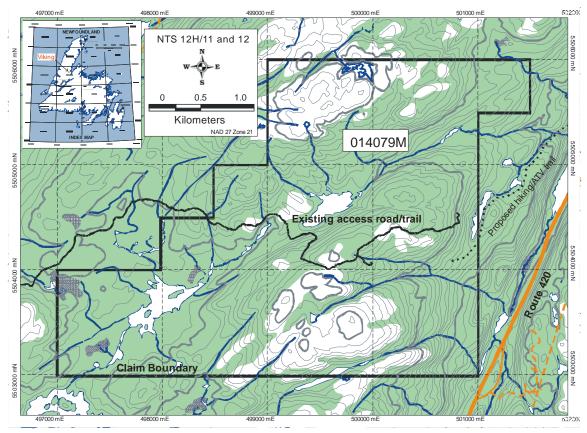


Figure 2. Detailed location of the Viking Project showing the claim boundary and existing infrastructure (Route 420 in orange, and the existing access road in black).

#### (ii) Physical Features

The major physical features of the undertaking will be the construction of up to 22 additional trenches, drilling of 10 core holes, and construction of a 2.3 kilometer hiking and ATV trail (shown on Figure 3)

Each trench will be up to 100 meters in length, and will attempt to exposure a 1 to 2 meter wide zone of bedrock. Trenching will be performed by a track mounted excavator. Approximately 2 kilometers of new excavator width access trail will need to be constructed to access the proposed trench locations. Any trenches temporarily left open during the program will be partially contoured to minimize any slump danger. Once the program is complete, trenches will be covered over and the area re-contoured and reclaimed according to mineral exploration guidelines.

Following the trenching program we propose to drill up to 1500 meters of core in 10 holes. The location of the 10 proposed drill pads are shown on Figure 3. The maximum hole depth will be 250 meters, and most holes will be about 150 meters deep. All the holes will be angle holes.

We also propose to construct a 2.3 kilometer hiking and ATV trail from Route 420 to the eastern part of the claim block (shown on Figure 3). This trail will be cut out by power saw and will be used by exploration personal (not heavy equipment) to access the property. From Sops Arm it currently takes approximately 3 hours to get into the property by driving (along route 420, then the Taylor Brook Forest Service Road and other logging roads, then along the existing Tote trail). Hiking along the 2.3 kilometer proposed trail from Route 420 would be a much more efficient way for personnel to access the property.

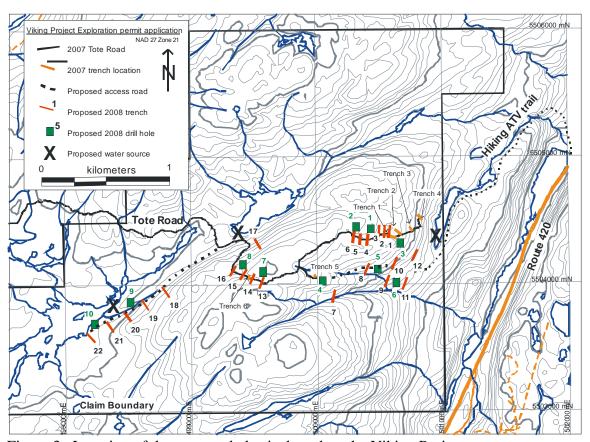


Figure 3. Location of the proposed physical work at the Viking Project.

Figure 4 shows photographs of the proposed hiking/ATV trail and also shows the general topography and forest cover of the area. The proposed hiking/ATV trail would start at Route 420 were an existing dirt road accesses the power line on the west side of the highway.



Figure 4. Proposed hiking/ATV trail into the Viking Project (yellow dashed line). Left: View to the north from the bottom of the valley along route 420. Right: View to the north from the top of the ridge.

The Viking project contains rolling hills with small lakes, and swampy areas. The sides of the hills are overgrown with thick spruce forests but along east-facing hillsides, expansive areas of blow-down are common. With increasing elevation, the thick spruce vegetation gives way to uplands barrens characterized by low shrubs and brush. Intervening valleys between hills are found to contain abundant lakes, ponds, streams and marsh. The wildlife in the area is typical of that found in the forests of northwest Newfoundland. Larger species observed during the 2007 field program include moose and caribou. Figure 5 shows the typical topography and tree and brush cover of the center of the Viking project where most of the trenching and drilling is proposed.



Figure 5. Right: Photograph looking north down the main gold-bearing trend. Left: Photograph looking south along the main ridge top.

#### (iii) Construction

No buildings or structure will be constructed during this program. Only access trails and trenches will be constructed and these will be reclaimed according to mineral exploration guidelines when the project is complete.

### (iv) Operation

Pending permits trenching and trail construction at the Viking Project will start as soon as most of the snow cover has melted, around late May to early June. Trenching will be done using a track mounted excavator which will be mobilized into the property over the existing tote road on the west side of the property. It is estimated that trenching activities will take 4 to 8 weeks, starting in early June and extending to around the end of July. A fuel cache containing up to 4 barrels of diesel will be necessary during the trenching program.

Trail construction will be done with a 2 man crew with power saws. The hiking/ATV trail from route 420 into the project is anticipated to take 4 days to complete and is scheduled to be built in early June.

Drilling will start in August or September or when a drill contractor is available. The drill will be mobilized into the area along the existing tote road using a Nodwell tracked vehicle. Drilling is planned to take between 30 to 45 days to complete at which time all drill materials and supplies will be demobilized from the site. A fuel cache containing up to 4 barrels of diesel will be necessary during the drilling program.

ATV access to the project will also be required during the trenching and drilling programs and this will pose a minor but possible source of pollutants (fuel) during the project.

# (v) Occupation

During the trench phase of the program up to 5 people will be working on site during the day. Workers will be staying at hotels in Pollards Point and no camp will be constructed at the project.

Table 1. Workers during the trenching phase – Late May to the end of July

Occupation	Duties	Employment type	<b>Duration of employment</b>
Exploration Geologist	Site supervisor &	contractor	30 to 60 days
	technical		
Excavator operator	excavator	contractor	30 days
General laborer	Power saw misc.	contractor	30 to 60 days
General laborer	Washing trenches	contractor	30 to 60 days

During the drilling phase of the program up to 5 people will be working on site during the day and up to 3 people will be working on site at night. The drill contractor is anticipated to run the drill rig 24 hours per day, with 2 to 3 people during each shift (one driller with

one or two helpers). Workers will be staying at hotels in Pollards Point and no camp will be constructed at the project.

Table 2. Workers during the drilling phase – August to Late September

Occupation	Duties	Employment type	Duration of employment
Exploration Geologist	Site supervisor & technical	contractor	30 to 45 days
2 Drillers (day and night shift)	Drilling	contractor	30 to 45 days
2 to 4 drill helpers	Drill helping	contractor	30 to 45days
General laborer	Cutting core	contractor	30 to 45 days

All of the workers involved in the program will be contractors, including the exploration geologist supervising the project. Northern Abitibi Mining hires contractors based on their ability to safely and efficiently complete the project, irrespective of age and gender. Local contractors are used by Northern Abitibi whenever possible.

# (vi) Project-Related Documents

- 1) File E070219, Exploration Approval (10 DDH, Trenching, ATV Use, Access Trail & Fuel Cache) & Notification (Prospecting, Geology & Geochemistry) for Northern Abitibi Mining Corp. on the Viking Property, NTS 12H/10 & 12H/11 Licenses 010935M, 012734M, 008878M dated September 6, 2007.
- 2) Application for Exploration Approval and Notice of Planned Mineral Exploration for the Viking Gold project. Submitted February 11, 2008.

#### APPROVAL OF THE UNDERTAKING:

Exploration permits for the proposed work are pending.

#### SCHEDULE:

The proposed surface exploration work can only start after the snow cover in the area has mostly melted. This will likely be in late May to early June. The trenching phase of the work will take 1 to 2 months, and the following drilling phase will take 1 to 1.5 months. In order to complete the exploration work this field season the work should commence no later than August 2008.

#### **FUNDING:**

The exploration program will be funded by Northern Abitibi Mining Corp. The trenching phase of the program is estimated to cost \$115,000 and the drilling phase is estimated to cost an additional \$250,000.

March 10, 2008

Shane Ebert CEO Northern Abitibi Mining