



**AREVA Resources Canada Inc.**

**KIGGAVIK PROJECT, NUNAVUT**

## **NOISE ABATEMENT PLAN**

**May 2012 – Version 3, Revision 2**

## **REQUIRED USERS**

Any other users are responsible for using the current version of the Noise abatement Plan as posted on Q:\Exploration\IMS. Users may print copies of this plan, but are ultimately responsible for ensuring they are using a current copy as posted. Users are requested to destroy all previously printed copies of the plan when they are informed of revisions.

## HISTORY OF REVISIONS

Version	Revision	Date	Details of Revision
01	00	March 2007	Original submission
02	00	October 2007	Updated to reflect changes in field activities/capabilities and areas of continual improvement
03	00	January 2009	Updated to reflect changes in field activities/capabilities and areas of continual improvement
03	01	May 2010	Updated to reflect changes in field activities/capabilities and areas of continual improvement
03	02	May 2012	Updated to reflect personnel changes. Made consistent with other Plans.

**Original Copy of this Manual:**

**Approved and Signed by title:**

**Kim Jackson**

**Supervisor, Environment and Radiation Protection**

Approved by:
Signature and Date

**Approved and Signed by title:**

**Joseph Roux**

**Vice President, Exploration**

Approved by:
Signature and Date

**The original hard copy of this approval page has been signed and is located at the AREVA Resources Canada Inc. corporate office.**

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## 1 PREAMBLE

This Noise Abatement Plan will be in effect for the duration of the Kiggavik Project and associated activities. The Project is located approximately 80km west of Baker Lake:

- West Boundary 97° 57' 50.4" W Longitude;
- East Boundary 97° 20' 56.4" W Longitude;
- North Boundary 64° 39' 28.8" N Latitude; and,
- South Boundary 64° 17' 02.4" N Latitude.

## 2 INTRODUCTION

The Kiggavik camp is a fly-in only camp and is temporary and seasonally occupied. All drilling activities and most environmental baseline activities take place during the summer months. Supplies to operate the camp and field program are moved overland in the winter months. Camp set-up takes place prior to the summer work season. Noise generation is expected to occur during camp set-up, camp operation, winter road use and during drilling activities.

Noise controls and abatement serve a combination of environmental and occupational health and safety purposes. The focus of this abatement plan is on control of environmental noise for the protection of wildlife (birds and mammals).

### 2.1 Revision to Manual

The Kiggavik Noise Abatement Plan is reviewed on an annual basis and is updated as required to keep the information current and consistent with regulatory and procedural changes. A History of Revisions can be found at the front of this manual.

### 2.2 Responsibilities

The Senior Project Geologist is responsible to ensure that this plan is implemented. Implementation may be completed by:

- Project Geologist
- Environment and Radiation Protection (ERP) Supervisor
- Or designate

The Vice President, Exploration is ultimately responsible for any activity being carried out by Kiggavik Project personnel.

### 3 ACTIVITIES REQUIRING NOISE REDUCTION

Drill rigs, generators, vehicles and aircraft (fixed-wing and helicopters) are the major contributors of noise to the Project. To decrease the amount of noise, the following will be implemented:

- the drill rigs are equipped with mufflers or other appropriate noise abatement equipment;
- the generators are equipped with mufflers;
- ATVs are equipped with mufflers and,
- Normal practice for long range flights (i.e.: Baker Lake to Kiggavik site) is to fly aircraft at a minimum of 610m above ground level, except during take off and landing, when ceiling conditions do not permit or when safety risks arise
- For relatively shorter transportation flights (e.g.: movement of staff and equipment between camp and deposits on Kiggavik lease) a strong attempt is made to fly aircraft at a minimum of 300m above ground level, except during take off and landing as described in the Wildlife Mitigation and Monitoring Plan, when ceiling conditions do not permit or when safety risks arise
- Low-flying flights may need to be conducted at lower altitudes for geophysics surveys and wildlife monitoring. Low-level geophysics surveys are preceded by reconnaissance survey as described in the Wildlife Mitigation and Monitoring Plan.
- As per the Wildlife Monitoring and Mitigation Plan, all activities are suspended if 50 or more caribou are within 2 km of the activity.