

The logo features a large dark blue circle with a white crescent shape inside it. To the right of this circle is a series of smaller dark blue circles of varying sizes, arranged in a semi-circular arc.

# **ADVANCED EXPLORATIONS INC.**

## **Advanced Explorations Inc. 2010 Project Summary 2011 Project Plans**

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**Tuktu Project Area**  
**INAC Permit:** N2010C0011  
**NWB Licence:** 2BE-TUK1015

Revised February, 2011

## **EXECUTIVE SUMMARY**

Advanced Explorations Inc.'s ("AEI" or the "Company") Project Summary outlines activities undertaken at Tuktu Project, approximately 70 km west of Hall Beach, Nunavut during the latest calendar year. The Company has received the appropriate permits/licenses for the area, as detailed on the cover page of this report.

The project consists of 11 mineral claims (HABS 1 to 11), staked in September and October 2009. The claims are in the name of Advanced Explorations Inc., and are part of the Roche Bay joint venture with Roche Bay plc.

Primary access to Hall Beach is typically by charter flights from Iqaluit, Yellowknife, and various other cities in southern Canada, with helicopter or fixed wing aircraft transport to the site. Ground transportation in the spring, summer and fall will be limited to the minimum required, and will only be considered on durable land, and on tundra only when necessary travel has to be undertaken and the weather does not permit helicopter flights. In the winter, snowmobiles and skidded equipment will only be used on ground with adequate snow cover.

The project consists of a mineral exploration program overlying recently acquired iron mineralization. This will be part of the larger Roche Bay exploration initiative, with the long term goal of establishing a mining operation. No exploration has been conducted on the property to date. The program commencement and timelines will be contingent on the level of financing that can be achieved; lack of financing will result in no program being undertaken in 2011.

This project summary and projected work plan is submitted as part of AEI's required annual reporting.

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## 2010 PROJECT SUMMARY

The following report gives a summary of the activities that occurred at the Tuktu Project area during 2010. There was no exploration program or activities conducted on site for the entire year in 2010.

The project area is on Crown lands only and permitted under the INAC Land Use Permit N2010C0011. There is also a NWB Water Use Licence 2BE-TUK1015, but no water was used during 2010 as there were no activities on site for the entire year.

There are no camp facilities or equipment on site and no drilling or exploration program was undertaken on site in 2010.

There were no wastes generated or fuel storage on site. No spill incidents occurred during the 2010 season, but AEI is prepared to respond to any spill should it occur as outlined in the *Oil and Hazardous Material Spill Contingency Plan*.

No wildlife was encountered in 2010.

No inspections of the site were conducted in 2010. There were no flights to and from the site in 2010. Seasonal and final plans for restoration of the site are described in the *Abandonment and Restoration Plan*.

## 2011 PROJECT PLANS

### ***Introduction***

AEI's Project Plans outlines the activities planned for the Tuktu Project during the 2011 season. The activities of the project will be located at the Tuktu Project area, approximately 70 km west of Hall Beach, Nunavut at 68°55' – 69°00' North and 82°44' – 83°08' West.

The project will consist of a mineral exploration program overlying recently acquired iron mineralization. This will be part of the larger Roche Bay exploration initiative, with the long term goal of establishing a mining operation. In addition, environmental baseline studies are planned to be initiated during the 2011 season, to be conducted in conjunction with those undertaken at Roche Bay.

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TUKTU PROJECT**

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The operation will result in long term jobs for local residents, with local and regional governments benefitting from an increased tax and industrial base.

No exploration has been conducted on the property to date. A no-go situation will occur if there is a lack of sufficient financing to conduct the program.

***Camp Facilities***

An approximate 20 man camp is planned to be established at the project area. Approximately 10 Weatherhaven tents will be used for the kitchen, sleepers, core shack, office and storage areas. The camp will be temporary but multi-seasonal. All infrastructure will be temporary in nature, and removable upon completion of the exploration program. Personnel will use the camp only during the anticipated field season of April to October annually. All This is contingent on the level of financing that can be achieved; lack of financing will result in no camp being established in 2011.

The *Job Safety Plan* will be used for prevention and mitigation of all safety issues at camp for the duration of the project. Site orientation for new people coming into camp will be given promptly upon arrival. Safety points will be addressed as well as general procedures in camp. A copy of the orientation sheet along with a map of the camp will be posted. Helicopter safety orientation will also be done by the pilots prior to new people getting onto the helicopter, with reminders given to the pilots to ensure this is completed on a consistent basis. Wildlife sighting issues, hunting/fishing, archaeological site avoidance and identification, helicopter safety issues, as well as any fuel spill training will also be brought up at the weekly safety meetings as required. Daily on-site reports will be written by the site supervisor, which would include archaeology site identification, wildlife spotting, and sightings/interactions with other hunters/visitors in the area as appropriate.

***Drilling***

Potential drilling activities will be contingent on results from the geological, sampling and mapping programs, as well as financing for the 2011 season. Lack of financing will result in no program being undertaken in 2011.

***Equipment***

Personnel, supplies and equipment will be flown into site via helicopter or fixed wing aircraft from Hall Beach and from AEI's Roche Bay project, located approximately 60 km south of the Tuktu Project area.

### ***Water Use***

The water source for the camp will be a large lake located adjacent to the proposed camp location. Water for drilling operations will be taken from the nearest lake of sufficient size without impact to the environment or fish of the lake. All water intakes will be properly screened to prevent the entrapment of fish.

Based on the water use at the existing Roche Bay camp, domestic water use is estimated to be a maximum of 7.5 cubic meters per day. Only two (2) drills are planned, each using approximately 90 cubic meters of water per day.

### ***Wastes***

The grey water system will flow through a grease trap, with disposal into a sump with water flow directed away from surface water bodies, as established at the larger Roche Bay camp since 2007.

All combustible waste and sewage will be incinerated in a dual chambered, forced-air incinerator, with the ashes stored in drums, put on the sealift and sent to an appropriate disposal facility.

All non-combustible waste will be sent to an appropriate disposal facility.

Empty barrels/fuel drums will be reused or taken offsite by sealift for proper disposal.

### ***Fuel Storage***

Fuel trays will be placed under drums used for heating tents, and absorbent material wrapped around connection points. Sturdy containment trays will also be built for the fuel drums.

Visual inspections of all fuel caches will be conducted whenever people are getting fuel. A more formal inspection will be done by one of the site managers on a weekly basis.

### ***Wildlife/Fisheries***

All wildlife sighting/encounters will be brought to the attention of the local Wildlife Monitor on site and the Site Supervisor. All hunting and/or fishing will be monitored to ensure proper permits/licenses as required.

### ***Ground Disturbance***

The use of overland vehicles (Bombardier Sno-Cat, Skidder, Argo and snow mobiles) will be closely monitored to minimize surface rutting. People will be advised to stay on the snow and

avoid any vegetation patches sticking out. Site managers will halt the use of overland vehicles when the snow cover would not allow effective travel without surface rutting.

### ***Archaeological Sites***

All archaeological/paleontological/burial sites will be avoided and proper recording and notification procedures will be implemented.

### ***Discharges/Spills***

The *Oil and Hazardous Material Spill Contingency Plan* will be followed throughout the project in response to a discharge or spill incident.

### ***Inspections***

The Company will conduct inspections as necessary to ensure compliance with all of the permits and licenses terms and conditions for the duration of the project.

### ***Flights***

The flights planned for 2011 are contingent on the size of the program and are estimated at the following:

- Airstrip landings at the Tuktu project area are planned from April to October, 2011 at an estimated average of 1 per week.
- Helicopter touch-downs at the Tuktu project area are planned from April to October, 2011 at an estimated of multiple touch-downs per day.
- No airborne gravity flights.

### ***Environmental Studies***

EBA Engineering Consultants Ltd. will conduct the following environmental baseline studies throughout the season in 2011:

- Hydrology
- Water quality
- Caribou Surveys
- Breeding birds
- Climate
- Socio-economic and Traditional Knowledge studies initiated
- Archaeological study

### ***Reclamation***

All seasonal and final reclamation plans are outlined in the *Abandonment and Restoration Plan*.

### ***Community Consultations and Local Employment***

Open dialogue has been established between AEI and the communities of Hall Beach and Igloolik, both with the Hamlets as well as with the HTOs.

### ***Conclusion***

Plans for establishing the Tuktu Project are underway and we hope to continue to work effectively and amicably with the hamlets of Hall Beach and Igloolik, eager to see the communities benefit further from AEI's activities there.



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TUKTU PROJECT

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Signed “John Gingerich”

March 2011

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**John Gingerich**  
**Chief Executive Officer**  
**Advanced Explorations Inc.**

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**Date**

Signed “Lou Nagy”

March 2011

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**Lou Nagy**  
**Chief Financial Officer**  
**Advanced Explorations Inc.**

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**Date**

