Phelps Dodge Exploration

Proposed Drill Program - Nowyak Lake, Nunavut January 10, 2000

JAN 07 2000

This Summary is intended for attachment to an application for a Water Use Permit.

Phelps Dodge Corporation of Canada is proposing to conduct an initial drilling program on the NOK 1-11 claims in NTS area 65G-15. This area is located approximately 12 kms southwest of Navigator Exploration's camp at the north end of Nowyak Lake. Nowyak Lake is approximately 350 kms southwest of Rankin Inlet and 250 kms northwest of Arviat. Exploration on this property is at a very early stage where we want to conduct an initial drill test of a gold showing that we discovered in 1998 and mapped in 1999.

The proposed drilling program will involve the drilling of 9 holes for a total of 1000 m. The program will begin with the fuel haul from Arviat to Navigator Exploration's camp at the north end of Nowyak Lake. Navigator have allowed Phelps Dodge the use of their camp. Phelps Dodge will not build a camp on site for this operation. Eskimo Point Lumber & Supply will haul 50 drums of diesel, 35 drums of Jet B, and 1 drum of gasoline along with 3 cylinders of propane and 30 (20 kg) bags of calcium chloride from Arviat overland using Terra-Flex machines. The fuel haul is expected to begin some time after Feb. 15. The Fuel will be stored at Navigators camp. When drilling begins fuel will be transported to the drilling area but only in quantities needed for daily operations.

The actual drilling program will begin on or about March 15, 2000 with the mobilization of the drill crew by air from Points North Landing in Saskatchewan. The crew will consist of 9 people. Phelps Dodge will have a project geologist (Marius Mare, Winnipeg) and one assistant on site. Midwest Drilling will provide a drill crew of 6 including a cook and foreman. There will also be a Bell 206 B helicopter (Custom Helicopters or Arctic Sunwest) pilot. The drill rig, belonging to Major Midwest Drilling, is currently stored at Navigator's camp. The drill area is 12 kms SW of the camp. All drill moves including the initial one from the camp to the drill area will be done using the helicopter.

We plan to drill 9 holes for a total of 900 meters of drilling. Thus each hole will be approximately 100 meters long. The drill area is contained within an area 1000 m x 1000 m which is shown on the attached 1:50,000 scale map. Water for the drill will be drawn from two lakes located 400 to 500 meters from the nearest drill holes. These lakes are also indicated on the map. The main drilling fluid will be heated water (fuel oil fired coil stoves will be used). Drilling additives will be added to the drill water as needed. These additives will include Calcium Chloride, Poly Drill Clay Treat II, Poly Drill 133X/1330, Poly Drill O.B.X. All of the holes will be drilled on land. There is therefore no plan to recycle the water or remove the drill cuttings. The fuel for the drill and the coil stoves will be stored at Navigator's camp. Fuel will be moved to the drill site on an as needed basis by helicopter. The core will be logged, sampled, and stored at the Navigator camp site. All casing will be removed from the drill holes. The drilling program including demobilization of the drill and fuel drums is expected to be complete by May 15, 2000.

The drill fuel and helicopter fuel will be stored at the Navigator camp site in 45 gallon drums until needed. The helicopter will sling drums as needed to the drilling area on a daily basis. Matasorb matting will be used at the drill sites, fuel storage areas, and fuel transfer points to absorb any spillage that may occur. The drill crews are trained in the use of this matting. The used matting will be bagged and flown out to Points North Landing or Arviat for disposal. Waste oils and greases will be placed in containers and they will also be flown out for disposal. Transfer of fuel from the drums to the fuel tanks will be done using a hand operated pump.

At the end of the drill program plans have been made to have the drill and all the drilling equipment flown out to Points North Landing or other location, such as Arviat or Rankin Inlet, as directed by the drill company. The empty drums will be flown back to Arviat. Navigator Exploration will remain responsible for the camp and camp facilities.

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