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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

File: NWB2EDE

October 3rd, 2005

By Email

Chris Pegg
Project Manager
Tri Origin Exploration Ltd.

Subject: Water Licence NWB2EDE Application

Dear Mr. Pegg:

After review of the NWB2EDE Water Licence Application and Questionnaire it has been determined that the accompanying supplemental questionnaire is incomplete. Please find below a list of comments in regard to the submitted contents of the supplemental questionnaire.

a) Question #13 – Detail involving what actions have been undertaken in notifying and consulting service providers in Arviat.

Answer:

Contacted the Arviat Fuel Depot Manager – regarding prices for fuel products and the possibility of being provided with expediting services.
Contacted the Arviat Hotel to inquire about accommodations and meals at the facility.
Contacted Ralph's Bed and Breakfast regarding accommodations and food services.
Contacted Nueltin Lake Lodge regarding accommodations and aviation support services for the drill program.

Being such a short field drill program, unfortunately won't allow us to hire many people, if the program is successful this would allow us to do additional work and employ people for the company. We will utilize local suppliers where ever possible. I still have to contact the Arviat Hunter's Association to introduce ourselves and see what we can do for each other. We also need to contact the Municipal authorities to inquire about permission for using the municipal landfill, if we are based out of Arviat.

b) In Question #27 you properly identify the L/day water required from ponds and lakes. Due to the change in project timeline could an estimate of water required per annum (field season) be made or the number of days anticipated in the field so that calculation can be made.

Answer:

Maximum 35 days field work envisaged, this would include only 21 days of drilling. We had indicated our water useage at 85 cubic metres per day, however we note that Placer Dome at Maze Lake were only using half this amount for their drill program. (or 40 cubic metres per day) Our drill program would use the same equipment as Placer while drilling. (or 38,145 litres per day)

c) Question #33, #34, #35, #37 – Answers are not provided for these questions. It is essential to provide information in detail on how waste will be disposed of. Sufficient detail should be provided in the location and engineered design of the referenced sump in Question #35. On page 25 of the Site Remediation Plan

(*Placer Dome Exploration Environmental Guidelines*) the proponent states that drill sumps will be constructed with a suitable liner. The proponent is to elaborate further on this detail.

Answers:

No Camp will be established at the property site. Food and sewage wastes will be the responsibility of the lodge facility used, whether at Arviat or Nueltin Lake Lodge.

Drill related waste (mainly oil plastic containers, bags and rags) will be burned on site in a covered incinerator. (45 gal capacity) Ashes will be transferred into an empty drum to be taken to a municipal discharge (Arviat or Lynn Lake) at the end of the season. Metallic objects will be packed separately in another drum to be taken out of site at the end of season. No waste materials will be left in Nunavut, unless pre-authorized and at an approved disposal site.

Although we will be operating during the summer months, diamond drilling has been reliably operating during freezing conditions during the winter months with water heaters. If water lines freeze they must be thawed and returned to service. This has no adverse environmental effects.

Suitable Liner for Drill Sump (Question 35): Our drilling program is a very short program consisting of approximately four drill holes which would be 100 to 150 metres in length each. Therefore drill cuttings will not be excessive. The drill sumps to collect the drill cuttings will use natural depressions far from lakes to avoid any contamination and will try to achieve as minimal disturbance to the natural environment as possible. For larger scale drill programs (than this one) sump liners may be practical. I have attached a section on "Low Impact Tundra Technology Innovations" to indicate some research we have done on environmental products available to mitigate environmental degradation during drilling. These include muskeg mats, (dura-base & bravo-mat) aqua-dams (could be used as a drill sump barrier), geo-membranes and filter socks. (could also be used as an effective sump) If needed these techniques would be available for us to use.

Digging a sump, may be nearly impossible due to the ubiquitous presence of boulder fields, it will also cause undue environmental disturbance. The company owns an Acorn 5 pH metre, readings should be taken to ensure the drill sludge material is of neutral pH.

Locations of the various sumps would be at the drill sites, which have very tentative co-ordinates as follows. (NAD 83)

Drill Hole 1 – 581,057E/6,702,309N
Drill Hole 2 – 572,346E/6,710,193N
Drill Hole 3 – 594,778E/6,714,897N
Drill Hole 4 – 594,473E/6,705,576N
Drill Hole 5 – 590,596E/6,712,371N
Drill Hole 6 – 588,288E/6,711,674N

d) Question #38 – A Site Restoration Plan is cited. The proponent is advised to include a reference within the document that addresses the answer to the questionnaire question.

Answer:

I have added an Abandonment and Restoration Plan – January 2006, which is attached. This will supplement the Site Restoration Plan, which is referred to below and dated July 2005.

Reference is to the Site Restoration Plan, which includes;

Sections 2.1 – Location, Design and Extraction of Drill Water Supply
Section 2.2 – Drill Water Discharge on Exploration Projects
Section 2.4 – Ground Water Protection (Drill Hole Backfilling)

I'm hoping that this answers most of the deficiencies properly. Any other questions please don't hesitate to call.

Regards,

Chris Pegg
Tri Origin Exploration Ltd.

January 2006

If you have any questions with the above comments please feel free to contact the undersigned.

Yours truly,

Joe Murdock, B.Sc., M.Sc. Can., MIT, CEPIT.
Technical Advisor