



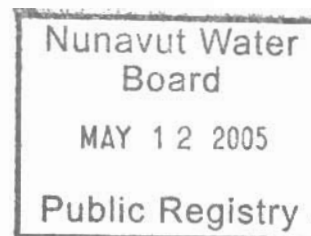
Environment Environnement
Canada Canada

Environmental Protection Branch
5204 - 50th Avenue
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Yellowknife, NT X1A 1E2

12 May 2005

Phyllis Beaulieu
Manager of Licensing
Nunavut Water Board
Gjoa Haven, Nunavut
X0B 1J0

Attention: Phyllis Beaulieu



Our File 4703 001 030



Fax: (867) 360-6369

Re: NWB2FER0305 – Water Licence Renewal Application – Starfield Resources Inc – Ferguson Lake Project.

EPB's contribution to your request for specialist advice is based on the mandated responsibilities for the enforcement of Section 36(3) of the *Fisheries Act*, the *Canadian Environmental Protection Act* (CEPA), and the *Migratory Birds Convention Act* (MBCA) *Regulations* and the *Species at Risk Act*. On the basis of the information provided, EC believes that the above noted project has the potential to affect fish pursuant to the *Fisheries Act* and migratory birds pursuant to the *Migratory Birds Convention Act* and the *Species at Risk Act*.

The proponent has submitted a water licence renewal application for their Ferguson Lake Project centered at the following co-ordinates: latitude 62°51'30"N, longitude 96°55'00"W. The proponent will be utilizing camp facilities leased from Keith Sharp, Rankin Inlet, and owner of the Ferguson Lake Fishing Lodge. The camp is located at the following co-ordinates: 62°52.64"N, 96°50.72"W. The application will cover the following activities:

- Diamond drilling will be land based, during the spring, summer and winter months.
- Geophysics, both ground and airborne.
- Mapping and prospecting.

Environment Canada supports the mitigation measures proposed by Starfield Resources Inc. and would like to add the following comments and recommendations.

Comments and Recommendations

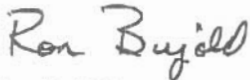
- The proponent shall insure that any chemicals, fuel or wastes associated with the proposed projects do not enter waters frequented by fish. It is a requirement of Section 36(3) of the *Fisheries Act* that all effluent discharged into water frequented by fish, be non-deleterious.
- Species at risk that may be encountered in this area include the Peregrine Falcon, anatum subspecies, listed as **Threatened on Schedule 1**. Grizzlies and wolverines may also be encountered and are listed as **Special Concern on Schedule 3** of the *Species at Risk Act*. The proponent should be aware of their special status and minimize disturbance or contact with these species during operations.
- In the event the proponent will be conducting any operations during the migratory bird breeding season, Section 6(a) of the *Migratory Birds Regulations* states that no one shall disturb or destroy nests or eggs of migratory birds. It is recommended that the proponent ensure that all staff minimizes contact with nesting migratory birds during operations.
- Drip pans should be used when refuelling equipment.
- Winter stream crossings shall be constructed entirely of ice and/or snow materials, and stream crossings shall be removed or notched prior to spring break-up.

- All fuel containers must be properly sealed and stacked in an upright position to prevent the possibility of spills and leaks. With the quantity of fuel containers being stored on site, it is recommended that they be inspected on a daily basis for leaks. Fuel containers should be stored on flat, stable terrain or in natural depressions well away from water bodies.
- When storing barrelled fuel at a location, EC encourages the use of a secondary containment rather than relying on "natural depressions." Self supporting insta-berms are available from various suppliers within Canada.

EPB should be notified of changes in the proposed or permitted activities associated with this application.

Please do not hesitate to contact me at (867) 669-4744 or ron.bujold@ec.gc.ca with any questions or comments.

Yours truly,



Ron Bujold
Environmental Assessment Technician

cc: Steve Harbicht (Head, Assessment & Monitoring, EPB)
Mike Fournier (Northern Environmental Assessment Coordinator, A&M, EPB)