

October 9, 2019
File No 445 02 7995

Sandy Chase
261 Millar Avenue
Miramichi, NB E1V 3B3

We acknowledge receipt of your notice of performing work on claim 8840.

You may proceed with this work subject to your compliance with the following:

1. Section 109 of the Mining Act if the work is to be performed on private lands.
2. The attached "Standard Conditions for Mineral Exploration Projects", Department of Environment and Local Government (DELG).
3. The Watershed Protected Area Designation Order under the Clean Water Act if the work is to be performed in a designated surface water supply. The rules and regulations may be obtained from the District Ranger Office or from the Source and Surface Water Management, DELG, P. O. Box 6000, Fredericton, NB, E3B 5H1, Tel (506) 457-4846 or any DELG Regional Office.
4. Rules and regulations of WorkSafeNB.
5. Obtain a Cutting Permit at a District Ranger Office if trees are to be cut on Crown Lands.
6. Obtain a Work Permit at a District Ranger Office when working on forested land during the fire season.
7. Notify the District Ranger Office if you plan to clear any Crown Lands of snow. This is in an effort to reduce any conflict that may arise from use of roads as authorized snowmobile trails.
8. Any area within 80m of a watercourse/waterbody and 100m of a confluence contains elevated archaeological potential. As per Section 9 of the Heritage Conservation Act, any person who discovers an archaeological object, burial object, or human remains is required to report the discovery to the Minister of Tourism, Heritage and Culture as soon as practicable at (506) 453-2738.

Sincerely,



FOR:

RON SHAW
Recorder, Minerals and Resource Development Branch

cc: Michel Poirier, Regional Director (Acting), Region 3, Department of Environment and Local Government;
Neil Jacobson, Director, Region 3, Department of Energy and Resource Development; Serge Allard, Manager GSB
South, Department of Energy and Resource Development



Standard Conditions for Mineral Exploration

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- Drilling
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Fording Streams

Note: Fording of streams is only permitted at recognized fording places and is not permitted within any designated surface drinking water supply watershed. If fording a stream is necessary:

- ◆ One site with suitable bed material be chosen along each watercourse where fording can be carried out at right angles to the banks;
- ◆ Prior approval for fording be obtained from the District Ranger office;
- ◆ All sediment be removed from heavy equipment prior to fording a watercourse;
- ◆ Any disturbed banks resulting from the fording activities are to be restored and stabilized against erosion as soon as the crossing is completed;
- ◆ Boughs and tree tops are to be placed across the approaches of the ford to prevent siltation from reaching the watercourse;
- ◆ Whenever storm runoff is carried directly into a watercourse by ruts cut into the vegetative mat, the ruts must be smooth graded and covered with evergreen boughs anchored with large rocks;
- ◆ No tree is felled across or into the watercourse.

Drilling

When drilling within 500 meters of a groundwater supply well

- ◆ All groundwater supply wells within 500 meters of a proposed drilling location shall be sampled and the samples submitted for general chemistry and metals analysis, before and after drilling, at the company's expense. The results of the analyses shall be forwarded to the well owner and copies supplied to the Recorder;
- ◆ Drill holes within 500 meters of a groundwater supply well that encounter multiple water bearing zones shall be grouted with bentonite along their entire length in order to prevent the cross migration of groundwater between different aquifers;
- ◆ A drill hole that encounters artesian flowing conditions, regardless of its proximity to a groundwater supply well, shall be grouted with bentonite over its entire length in order to preserve the groundwater resource and prevent surface erosion issues. An exemption to this requirement may be considered by the Recorder, depending on the circumstances.
- ◆ Drilling for mineral exploration purposes is not permitted within Zones A and B of a designated Wellfield Protected Area.

➔ Drill pump stations

- ◆ The pump stations must be situated a minimum distance of 5 metres (horizontally) from the edge of the watercourse;
- ◆ The pumping station shall be equipped with a device to prevent backflow, that is approved by the [Canadian Standards Association](#), when located within any designated surface drinking water supply watershed;
- ◆ The pump station shall be set up in a manner that will prevent the accidental discharge of a pollutant such as fuel and lubricants from entering a watercourse or wetland;
- ◆ The intake pipes shall be located at least 100 metres downstream, or 500 metres upstream, of the nearest intake of a public water supply system and shall not disturb the bed or shoreline of any watercourse in a protected watershed;
- ◆ The suction hose (in the watercourse) shall be screened at the inlet; the open area of 0.19 sq. m of screen shall be provided for each .028 m³/sec of water being withdrawn; the screen shall have openings not larger than 57 square millimeters.

➔ Drilling effluent, settling ponds, and erosion control

- ◆ The effluent from the drilling operations shall be discharged in a manner that ensures that clean water returns to the watercourse or wetland at all times;
- ◆ The effluent from the drilled sites shall be discharged into the surrounding vegetation at least 60 metres from a watercourse or wetland or into a settling pond excavated a minimum of 30 metres from a watercourse or wetland;
- ◆ Settling ponds shall be constructed to collect the effluent from any drill holes drilled within 30 metres of a natural watercourse or wetland;
- ◆ Settling ponds shall be designed to have adequate storage and retention capacity to prevent sedimentation of a natural watercourse or wetland;
- ◆ All storm runoff shall be diverted away from the settling pond;
- ◆ Measures shall be taken to control erosion around trenches, at drill sites and along constructed access roads by berming, constructing sedimentation ponds and erecting silt barriers where necessary;
- ◆ All settling ponds shall be backfilled, covered with topsoil and seeded as soon as the exploration project is completed.

▶ Trenching

Where trenching is required:

- ◆ No trenching shall be carried out within 30 metres of the banks of a watercourse or wetland or within 75 metres of the banks of a watercourse or wetland within any designated surface drinking water supply watershed;
- ◆ The topsoil shall be removed and stockpiled prior to trenching in order to be used for surface re-vegetation of the reclaimed trench;
- ◆ All trenches shall be backfilled, covered with topsoil and seeded as soon as the exploration project is completed;
- ◆ Where it is necessary to leave a trench open through the winter, the [Recorder](#) under the [Mining Act](#), the [Regional Geologist](#) and the [District Ranger](#) must be notified;
 - ▶ The trench must be guarded and marked,
 - ▶ It must be backfilled, covered with topsoil and seeded before the following winter.
- ◆ At the discretion of the Regional Geologist, a trench may be left open permanently for its geological merits, provided it poses no hazard to humans or wildlife, (i.e. sloped walls and no standing water.)

- ◆ Trenching for mineral exploration purposes is not permitted within Zones A and B of a designated Wellfield Protected Area

► Conditions for Uranium Exploration

Definitions:

"intrusive exploration" refers to drilling and trenching and does not include geochemical or geophysical surveys, stream or soil sampling or general prospecting.

"residential building" refers to the principle dwelling in which people live (ie. house, apartment building, rooming or boarding house, mobile home, nursing home, senior citizen's home, etc.).

"institutional building", buildings devoted to the work of organized establishments, foundations, societies, or the like (eg. hospitals, schools, stores, etc.).

- ◆ Uranium exploration, uranium extraction and uranium mining operations are no longer permitted in designated watersheds or wellfields, used as a source of water for a public water supply system;
- ◆ Prospecting or staking for uranium minerals shall not take place within municipalities (cities, town or villages) as defined within section 1 of the Municipalities Act;
- ◆ Intrusive uranium exploration or mine development work that damages or interferes with the use and enjoyment of the land shall not take place on land defined as residential under the Assessment Act without the landowner's permission, however, this will not include industrial freehold or Crown land;
- ◆ Intrusive uranium exploration or development shall not take place within 300 metres of residential or institutional buildings.

When trenching or drilling for uranium is undertaken or where uranium may be encountered during exploration for other minerals:

- ◆ Following the backfilling of a trench, a radiometric survey must be conducted to ensure that radiation is reduced to background levels for the area. When material is found to exceed background levels, the Recorder must be contacted for review and approval of handling and reclamation procedures;
- ◆ For drill holes that encounter uranium mineralization, with measurable radioactivity above local background levels, drill mud solids and cuttings are to be collected and returned down the drill hole, following which, the drill hole shall be grouted with bentonite along their entire length (Note: the company shall note where the depth at which water bearing zones are encountered to ensure that drill cuttings are not placed adjacent to these zones);
- ◆ Drill core with uranium mineralization or measurable radioactivity (as noted by visible inspection and logging, radiometric readings, or laboratory analysis) shall be noted by clearly marking on the outside of the associated core box with yellow paint markings;
- ◆ Core with uranium mineralization or measurable radioactivity shall be stored in secured areas or buildings to prevent public access;
- ◆ Decommissioning of core storage areas shall require that gamma radiation levels measured at 1 metre from the surface for a storage area should be reduced to 1.0 μSv and in no instance will the level be allowed to exceed 2.5 μSv . When core is found to exceed these levels then the Recorder must be contacted for review and approval of handling procedures.

► Site Reclamation

Drill sites, trenches and access roads shall be reclaimed and rehabilitated by removing all equipment, material and debris; and re-contouring of the ground surface to approximate original ground conditions and to prevent soil erosion. Re-seeding with a highway mix grass may be required if active ground stabilization is required.

▶ Reporting

Note: All drill hole collars shall be surveyed using a GPS instrument, measuring its latitude and longitude.

A brief "Drill Hole Report" shall be submitted to the Recorder within 7 days after completing a drill hole, with the following information:

- ◆ The drill hole location as measured by GPS;
- ◆ The dip, azimuth, and depth of the hole; the name of the property owner, the PID number of the property;
- ◆ Whether any uranium mineralization was encountered while drilling;
- ◆ Whether the drill hole encountered artesian flowing groundwater conditions;
- ◆ Whether the drill hole encountered multiple water bearing zones and the depth to these zones;
- ◆ The abandonment details of the drill hole including recorded volumes of bentonite used if applicable; and
- ◆ The surface reclamation undertaken

▶ Watercourse and Wetland Alteration Permit

A Watercourse and Wetland Alteration permit is required if the work involves any of the following within a wetland or watercourse or within 30 m of a wetland or the bank of a watercourse:

- ◆ Disturbance of ground;
- ◆ Operation of machinery on the bed of a watercourse other than at a designated fording place;
- ◆ Deposit or removal of materials (including trees, vegetation, sand, gravel, rock, topsoil); or
- ◆ Water withdrawal from a watercourse.

Water withdrawal at a rate of less than 45 Litres per minute for drilling exploration work does not require a permit provided permission has been received from the Recorder to proceed with the work.

▶ Hazardous Materials

Hazardous materials, petroleum, oil and lubricants (POL) must not be stored or handled within 30 m of a watercourse or wetland. Basic clean up materials should be kept on site. Following completion of operations, all hazardous materials, POL must be removed from the site and disposed of at an approved facility.

▶ Special Notes

Companies should be aware of the following notification and reporting requirements between the Department of Natural Resources and the Department of Environment:

- ◆ Prior to conducting any exploration activities, the Recorder will provide advance notification to the Director of the Environmental Impact Assessment Branch and the Director of the Regional Office of the Department of Environment and Local Government (DELG).
 - ◆ Prior to conducting any in ground mineral exploration work (e.g. drilling or trenching) in a designated Watershed Protected Area, the Recorder shall provide advance notification to the Director of the Environmental Impact Assessment Branch. **Note: Any in ground mineral exploration activity within a designated Watershed Protected Area will require approval from DELG.**
 - ◆ The Recorder will provide a copy of the drill report to the Director of the Environmental Impact Assessment Branch (DELG).
 - ◆ As outlined in Section 11 of the Water Quality Regulation, any contaminant that is released to the environment must be immediately reported to the appropriate Department of Environment and Local Government Regional Office, or, if afterhours to the Canadian Coast Guard at 1-800-565-1633. The report shall describe the type of contaminant including the location and volume of the release and a description of any water pollution that may result or waters that may be affected. The report must also include the cause of the contamination, and any remedial action taken or to be taken to minimize the resulting water pollution and to prevent a recurrence.
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**NOTICE OF PLANNED WORK
ON CROWN LANDS**
(Mining Act, S.N.B. 1985, c.M-14.1, s.110(1)(a))



FORM 18.1
PROVINCE OF NEW BRUNSWICK
SEE OTHER SIDE FOR THE FORM
TO BE USED FOR PRIVATE LAND

TO: The Recorder
Department of Natural Resources

As required under paragraph 110(1)(a) of the MINING ACT, you are hereby advised that Sandy Chase

(name of individual, corporation or partnership planning to do work)

plans to do the following work on the following Crown Lands:

Brief Description of Work:

2-3 trenches 100m in length

Brief Description of Crown Lands: (Include the mineral claim numbers of all mineral claims on which work is planned and attach a map showing the mineral claims relative to identifiable topographic features.)

8840 ~~XXXX~~ Claim Block
units 2620015C, O, P

This planned work may cause actual damage to or interference with the use and enjoyment of the above described Crown Lands.

Dated at Sept 10 / 2019, the _____ day of _____

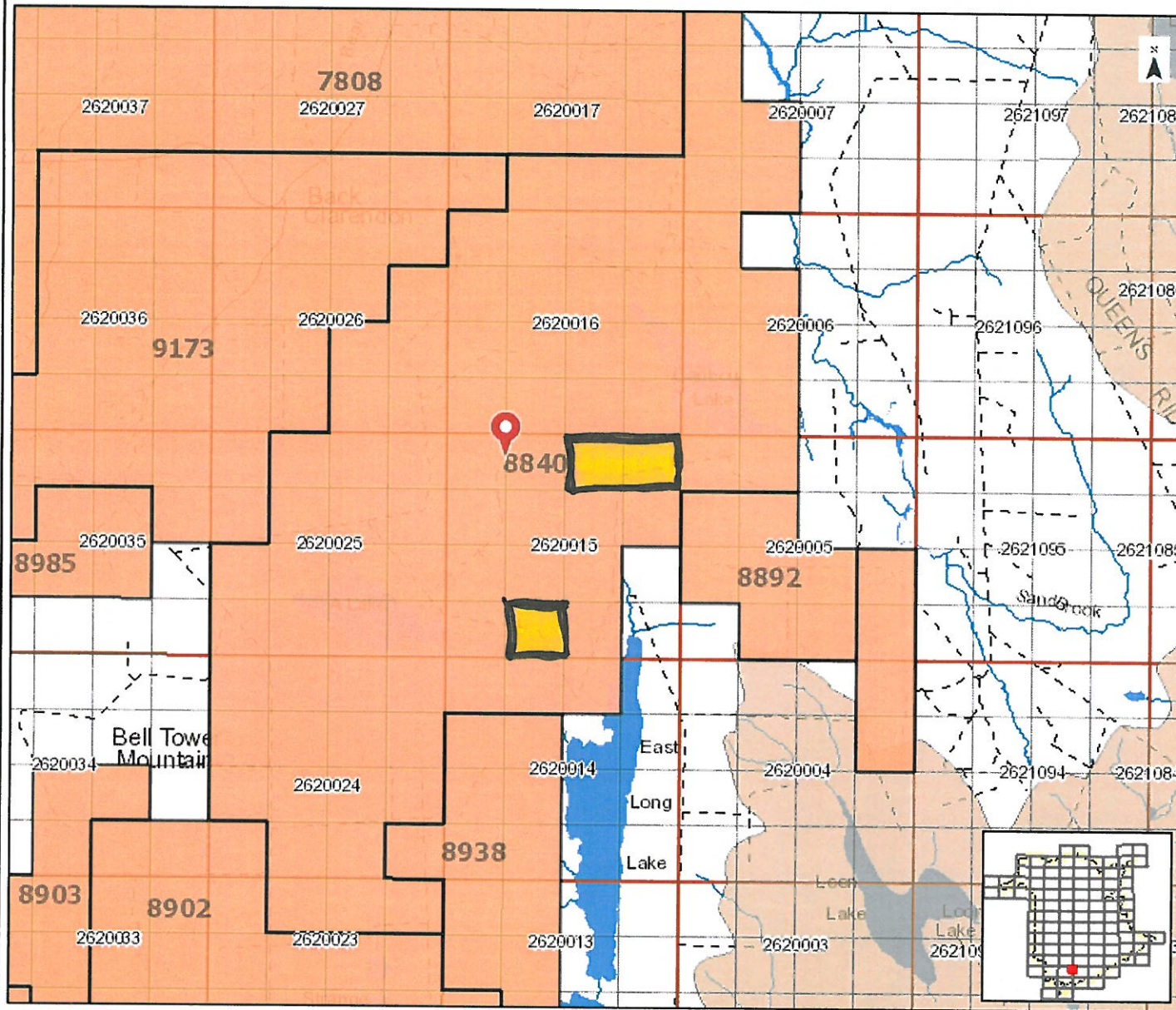
Sandy Chase
Signature of individual, corporation or partnership
planning work, agent or authorized officer

261 Miller Ave Miramichi, N.B. E1V 3B3
(Address of individual, corporation or partnership planning to do work)

_____|_____|506-261-6960
(Postal Code) (Telephone Number)

NOTE: This Notice must be delivered to the Recorder. The planned work shall not be commenced until permission to proceed has been received from the Recorder and, where required, a reclamation program has been approved by the Minister in writing and the Recorder has received the required security.

NB e-Claims



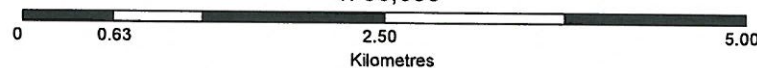
Legend

- Mineral Tenures
- Mineral Agreements
- Claim Units**
- Open
- Held
- Coming Open
- MPDB Blocked
- Mining Areas Withdrawn
- Mineral Restricted
- Restricted Holder**
- Indian Reserve
- Military Base (DND)
- Mineral Restricted Freehold
- National Park
- Parks Lands
- Protected Well Fields
- Designated Watersheds
- Protected Natural Areas
- Sections
- NTS Index
- Roads
- Highway**
- P1
- P2
- P3
- Railway
- Lakes/Rivers
- Ocean
- Stream
- Proposed PNA's / ZNP Projetée
- Provincial Border
- Municipal Area

1: 50,000

Date: 09/11/2019

This map is created from the NB e-Claims for illustrative purposes only. New Brunswick Department of Energy and Mines cannot warrant or guarantee that the information is accurate, complete or current at all times; it accepts no liability or responsibility for any errors, inaccuracies and/or omissions.



Projection: NAD_1983_CSRS_New_Brunswick_Stereographic

Note: