Ontario

Ministry of Energy and Mines
Ministère de l'Énergie et des Mines

Exploration Permit/Permis d'exploration

Number/Numero: PR-26-000158

This permit is issued under the authority of section 78.3 of the *Mining Act* and the Exploration Plans and Exploration Permits Regulation (O. Reg. 308/12). It is subject to the provisions of the Act and regulation as well as the terms and conditions included in this permit.

Ce permis est emis conformement aux dispositions de section 78.3 de la *Loi sur les mines* et des reglements et est sujet aux restrictions et dispositions de ce lois et reglements ainsi qu'aux conditions ci-enoncees.

Note: The issuance of this permit does not relieve the applicant from the responsibility of acquiring any other agency, board, government, etc. approval as may be required nor does it relieve the permittee from the requirements of any other legislation or guarantee access to the land.

Remarque : La déliverance de ce permis n'exempte pas le demandeur de l'obligation d'obtenir l'autorisation de tout autre organisme, commission, gouvernement, etc. qui pourrait être exigée, n'exempte pas le titulaire des dispositions de toute autre loi et ne garantit pas l'accès à la terre.

Project Details/ Détails sur le projet

Project Name/ Titre du projet	Qualified Supervisor/Superviseur qualifié
Loom Lake 2	Fred Archibald

This Permit is issued to: Ce Permis est delivré a:

Name of Permittee:/Nom du detenteur:

Empire Graphite Inc.

Mailing Address:/Addresse postale:

874581 5th Line EHS, Mono, Ontario, L9W 6A8

To conduct early exploration activities from/ Pour effectuer des activitées d'exploration du (yyyy/mm/dd): 2026/11/13 to: 2029/11/12

On claim/lease/licence of occupation number(s):/Sur le numéro(s) du claim/bail/permis d'occupation:

151911 152420 152421 237402 237403 237404 237405 254664 283809 331090 741402

As per the project map(s) and Activity Details Report, all of which are attached hereto and which form part of this permit/
Selon la/les carte(s) du projet et le Rapport Détaillé des Activités, tous qui sont attachés ici et qui forment partie du permis

for the purpose of Permit activities:

- [x] Mechanized Drilling (assembled weight >150kg)/ Forage mécanisé (poids assemblé >150 kg)
- [x] Mechanized Stripping (>100m^2 in 200m radius)/ Décapage mécanisé (>100 m^2 dans un rayon de 200 m)
- [ ] Pitting and Trenching (>3m^3 in 200m radius)/ Creusement de fosses et de tranchées (>3 m^3 dans un rayon de 200 m)
- [ ] Line Cutting (>1.5m width)/ Découpage des quadrillages (>1,5 m de largeur)
- [ ] Other (Early exploration activities for which Director has required a permit)/Autre (Activités d'exploration préliminaires pour laquelle le Directeur a demandé un permis):

for the purpose of Plan activities:

- [ ] Ground geophysical survey requiring a generator (Les levés géophysiques au sol qui nécessitent l'utilisation d'une géneratrice)
- [ ] Mechanized Drilling (assembled weight <150kg)/ Forage mécanisé (poids assemblé <150 kg)

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☐ Mechanized Stripping (<100m^2 in 200m radius)/ Décapage mécanisé (<100 m^2 dans un rayon de 200 m)

☐ Pitting and Trenching (1-3m^3 in 200m radius)/ Creusement de fosses et de tranchées (1-3 m^3 dans un rayon de 200 m)

☐ Line Cutting (<1.5m width)/ Découpage des quadrillages (<1,5 m de largeur)

Subject to the following conditions:/Et sous les conditions suivanted:

1. The Permittee shall keep this permit or a true copy thereof on the permit area./Le detenteur conserver ace permis ou une copie conforme sur les lierux des travaux.

2. The person in charge of the operation conducted under this permit shall produce and show this permit or the true copy kept on the exploration permit area to any inspector whenever requested by the officer./Le responsible des travaux couverts par ce permis doit produire le permis ou sa copie conforme si un inspecteur lui demande.

3. The requirements outlined in Schedule 1 of Ontario Regulation 308/12 and applicable Provincial Standards for Early Exploration/ Les exigences générales identifier à l'annexe 1 du Règlement de l'Ontario 308/12 et les normes provinciale relatives a l'exploration preliminaire.

4. Other terms and conditions as listed on this permit./Autres termes et conditions enoncees sur ce permis.

Place of Issue/Emis a:

Sudbury

Issued by/Emis par:

Tony Scarr, Director of Exploration

Date of IssuAe/Date émis (yyyy/mm/dd, aaaa/mm/jj):

2026/11/13

Signature of Director/Signature du directeur:

Anthony (Tony) Scarr

Digitally signed by Anthony (Tony) Scarr
Date: 2026.11.13 14:47:13 -05'00'

Additional Terms and Conditions:

Autre termes et conditions:

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Ontario

Ministry of Northern Development and Mines

Activity Details Report

Under Section 78 of the *Ontario Mining Act*

Collection of personal information, if any, on this form is authorized by sections 7, 78.2, 78.3, and subsection 178.2(1) of the *Mining Act* for the purpose of creating a public record as described in section 37 of of the *Freedom of Information and Protection of Privacy Act.* This information may also be posted in a modified form on the Ministry of Northern Development and Mines website and on the Environmental Registry for public comment. Questions about this collection should be directed to the Mineral Exploration and Development Section, Ministry of Northern Development and Mines, 933 Ramsey Lake Road, Sudbury ON P3E 6B5. Telephone 705-670-5815.

Preferred language of correspondence

☑ English

☐ French

Fields marked with an asterisk (*) are mandatory.

1. Project Details

Project Name *

Loom Lake V2

Name of Early Exploration Proponent *

Empire Graphite Inc.

Is the proposed early exploration area within the project area for an existing filed closure plan? *

☐ Yes ☑ No

Are there any mine hazards identified in the Abandoned Mines Information System (AMIS sites) in your project area? *

☑ Yes ☐ No

Enter the Universal Transverse Mercator Coordinates (UTM) in North American Datum 83 (NAD 83) Grid for the centre of your project area

Zone (N) *	Easting (m) *	Northing (m) *
17	700900	4597600

2. Exploration Logistics and Detailed Information

Will explosives be used for any activity/activities? If yes describe in detail which activities require the explosives, where they will be stored, and any other relevant information.

No.

What commodity or commodities are being sought in the work program?

Graphite

How will you be transporting personnel to the exploration site for all activities? Describe in detail.

Personnel will use light vehicles (pick-up trucks) to access the exploration sites using existing MNRF roads (Loom Lake Forest Access Road) off of Hwy 507 or along the County Road 121 then Crystal Lake Road and existing trail.

How will you be mobilizing/demobilizing equipment to and from the exploration site for all activities? Describe in detail.

Diamond drill will be mobilized to site on low-bed trailer using exiting MNRF roads and existing trail. Excavator mobilized to sites on trailer pulled by pick-up truck.

What type of equipment will you be using for all of the early exploration activities?

Diamond drill, excavator (5-tonne Kubota mini excavator), rock saw.

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What type of drilling will take place? (e.g. core drilling, reverse circulation)
Diamond Drilling

Do you anticipate the removal of the drill casing?
☑ Yes ☐ No

If yes, when will you be removing it?
☑ Immediately ☐ 3 to 6 months ☐ 6 to 12 months ☐ 1 to 2 years

For the exploration activities you have selected in your early exploration submission please fill in the associated details (required for all activities proposed). *

Geophysical surveys requiring a generator	▶ Type of Survey		
Line cutting	▶ Estimated total line length		metres
Mechanized Stripping	▶ Planned Number of stripped locations	2	
	Estimated total area of stripping	800	square metres
Pitting and Trenching of Bedrock	▶ Planned Number of Pits/Trenches		
Mechanized Drilling	▶ Planned drill hole diameter	7.57	centimetres

☑ 1 - 5 pads
☐ 6 - 10 pads
☐ 11 - 15 pads
☐ 16 - 20 pads
☐ > 20 pads

Please identify any non-prescribed activity/activities you will be undertaking to support the prescribed early exploration activity/ activities

☐ Creating trails for the purposes of early exploration
☐ Creating roads for the purposes of early exploration
☐ Creating/setting up camp(s) to house personnel to perform your prescribed early exploration activities
Number of people in camp _____ Number of camps _____
☐ Ground geophysical surveys without a generator
☐ Airborne geophysical surveys

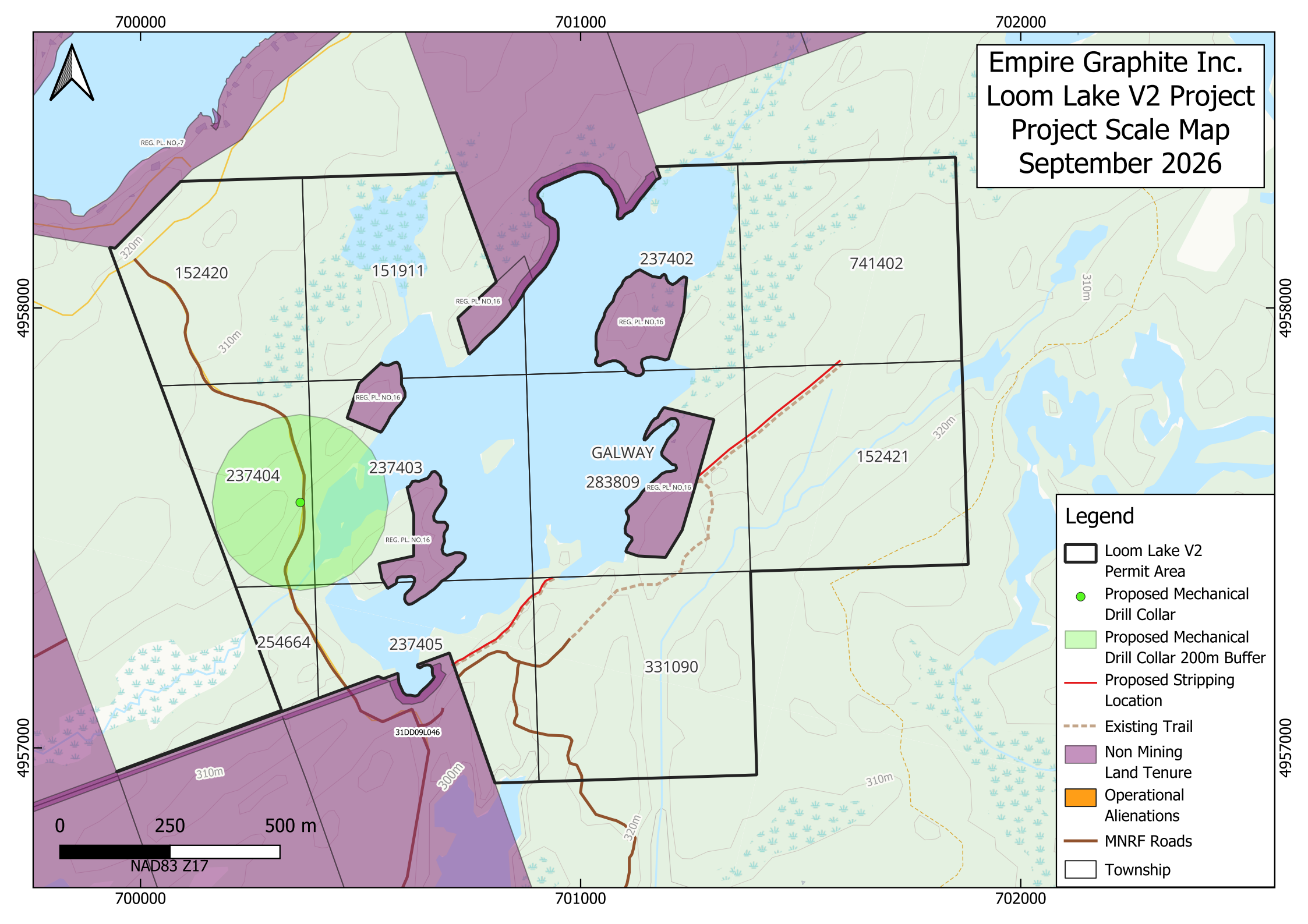
Are you planning to store fuel or other hazardous materials on the property? *
☑ Yes ☐ No

Please provide any other information relevant to this project.
Fuel will be stored in secondary containment with spill kits readily available. All early exploration activities will follow the provincial standards for early exploration. Areas of proposed stripping with be running parallel to the existing logging trail with a 12 foot offset to the northwest from the logging trail. The total length of the proposed stripping area is 700m (in 2 sections), and will be selectively stripped to visibly examine for mineralization, and minimize surface disturbance.

3. Signature

Name (Last Name, First Name)	Email Address
Archibald, Fred	fred@sonicsoil.com

Signature	Date (yyyy/mm/dd)
F.S. Archibald	2026/09/02


Empire Graphite Inc.
Loom Lake V2 Project
Project Scale Map
September 2026
700000
701000
702000
4958000
4957000
152420
151911
237402
741402
237404
237403
GALWAY
283809
152421
254664
237405
331090
31DD09L046
REG. PL. NO.-7
REG. PL. NO.16
320m
310m
300m
0
250
500 m
NAD83 Z17
Legend
Loom Lake V2 Permit Area
Proposed Mechanical Drill Collar
Proposed Mechanical Drill Collar 200m Buffer
Proposed Stripping Location
Existing Trail
Non Mining Land Tenure
Operational Alienations
MNRF Roads
Township