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February 9, 2022

File: W2017C0001

Nick Thomas
North Arrow Minerals Inc.
Suite 960 - 789 West Pender Street
Vancouver, BC V6C 1HC

Sent by email

Dear Nick Thomas,

Re: North Arrow Minerals Inc. – Extension Issuance Package – Land Use Permit W2017C0001 – Mineral Exploration – Lac de Gras, NT

The Wek'èezhì Land and Water Board (Board) met on February 9, 2022 and considered North Arrow Minerals Inc. (North Arrow)'s request to extend Land Use Permit (Permit) W2017C0017 for the Loki Project located at Lac de Gras, NT (Project) in accordance with the *Mackenzie Valley Resource Management Act* (MVRMA).

The Board has approved the Permit extension. Please note that an administrative change was made to Condition 29 to update the phone number for the Prince of Wales Northern Heritage Centre. The Permit (attached) now expires on March 1, 2024. These documents are posted on the Board's Public Registry.¹

Inspectors

The Inspectors referred to in the Permit can be contacted at the regional GNWT-Lands offices.²

¹ See WLWB Online Registry www.wlwb.ca for W2017C0001.

² See GNWT-Lands Inspection and Enforcement webpage (<https://www.lands.gov.nt.ca/en/services/inspections-and-enforcement>) for regional contact information.

Permit Processes and Additional Information

Sections 5 and 6 of the Board's *Guide to the Land Use Permitting Process*³ (Guide) contain detailed information on permit enforcement and potential post-issuance processes, such as amendments to conditions, and assignment to another company. Please be familiar with these sections of the Guide and reach out to Board staff with any questions about Board processes related to the Permit.

Full cooperation of North Arrow Minerals Inc. is anticipated and appreciated. Please contact Roberta Judas at (867) 713-2500 with any questions or concerns regarding this letter.

Yours sincerely,



Mason Mantla
Chair, Wek'èezhìi Land and Water Board

BCC'd to: Wek'èezhìi Distribution List
 Clint Ambrose, GNWT-Lands
 Patti Nightingale, GNWT-Lands

Attached: Land Use Permit W2017C0001

³ See WLWB Policies and Guidelines webpage for MVLWB [Guide to the Land Use Permitting Process](#).



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**North Arrow Minerals Inc.
Land Use Permit W2017C0001**

Pursuant to the *Mackenzie Valley Resource Management Act* and Mackenzie Valley Land Use Regulations, the Wek'èezhii Land and Water Board grants this Land Use Permit to:

North Arrow Minerals Inc.
(Permittee)

of Suite 960 - 789 West Pender Street, Vancouver, BC, Canada, V6C 1H2
(Mailing Address)

hereinafter called the Permittee, to proceed with the following land-use operation, subject to the annexed definitions and conditions contained therein:

Location:	Loki Project
Purpose:	Mineral Exploration (e.g., Diamond Drilling and Use and Storage of Fuel)
Type:	Type A
Effective Date:	March 2, 2017
Expiry Date:	March 1, 2024

A handwritten signature in black ink, appearing to read "Mason Mantla".

**Mason Mantla, Chair
Wek'èezhii Land and Water Board**

A handwritten signature in black ink, appearing to read "Roberta Judas".

Roberta Judas, Witness



**Conditions Annexed to and Forming Part
of Land Use Permit # W2017C0001**

Part A: Scope of Permit

1. This Permit entitles North Arrow Minerals Inc. to conduct the following land-use operations:
 - a) Diamond drilling including diamond core and reverse circulation (RC) drilling; and,
 - b) use and storage of fuels.
2. This Permit is issued subject to the conditions contained herein with respect to the use of land for the activities identified in Part A, Item 1 of this Permit.
3. Compliance with the terms and conditions of this Permit does not excuse the Permittee from its obligation to comply with the requirements of any applicable Federal, Territorial, Tłıchǫ, or Municipal laws.

Part B: Definitions (defined terms are capitalized throughout the Permit)

Act - the *Mackenzie Valley Resource Management Act*.

Board - the Wek'èezhii Land and Water Board established under Part 3 of the Act.

Engagement Plan – a document, developed in accordance with the Board's *Engagement and Consultation Policy* and the *Engagement Guidelines for Applicants and Holders of Water Licences and Land Use Permits*, that clearly describes how, when, and which engagement activities will occur with an affected party during the life of the project.

Fuel Storage Container - a container for the storage of petroleum or allied petroleum products with a capacity of less than 230 litres.

Fuel Storage Tank - a closed container for the storage of petroleum or allied petroleum products with a capacity of more than 230 litres.

Greywater - all liquid wastes from showers, baths, sinks, kitchens, and domestic washing facilities but not including toilet wastes.

Habitat - the area or type of site where a species or an individual of a species of wildlife naturally occurs or on which it depends, directly or indirectly, to carry out its life processes.

Inspector - an Inspector designated by the Minister under the Act.

Minister - the Minister of Indian Affairs and Northern Development Canada or the Minister of the Government of the Northwest Territories – Department of Lands, as the case may be.

Ordinary High-Water Mark - the usual or average level to which a body of water rises at its highest point and remains for sufficient time so as to change the characteristics of the land. In flowing waters (rivers, streams) this refers to the “active channel/bank-full level” which is often the 1:2 year flood flow return level. In inland lakes, wetlands, or marine environments, it refers to those parts of the Watercourse bed and banks that are frequently flooded by water so as to leave a mark on the land and where the natural vegetation changes from predominately aquatic vegetation to terrestrial vegetation (excepting water tolerant species). For reservoirs, this refers to normal high operating levels (full supply level).

Secondary Containment - containment that prevents liquids that leak from Fuel Storage Tanks or containers from reaching outside the containment area and includes double-walled Tanks, piping, liners, and impermeable barriers.

Sewage - all toilet wastes and Greywater.

Sewage Disposal Facilities - Sump(s) and/or Sewage collection tank(s) and/or storage containers designed to hold Sewage.

Spill Contingency Plan - a document, developed in accordance with Aboriginal Affairs and Northern Development Canada’s *Guidelines for Spill Contingency Planning* that describes the set of procedures to be implemented to minimize the effects of a spill.

Sump - a human-made pit or natural depression in the earth’s surface used for the purpose of depositing Waste that does not contain Toxic Material, such as non-toxic Drilling Waste or Sewage, therein.

Toxic Material - any substance that enters or may enter the environment in a quantity or concentration or under conditions such that it:

- a) Has or may have an immediate or long-term harmful effect on the environment or its biological diversity;
- b) Constitutes or may constitute a danger to the environment on which life depends; or
- c) Constitutes or may constitute a danger in Canada to human life or health.

Waste – any garbage, debris, chemical, or Toxic Material to be used, stored, disposed of, or handled on land, and also as defined in section 51 of the Act.

Waste Management Plan - a document, developed in accordance with the Board’s Guidelines for Developing a Waste Management Plan, that describes the methods of Waste management from Waste generation to final disposal.

Watercourse - a natural body of flowing or standing water or an area occupied by water during part of the year, and includes streams, springs, swamps and gulches but does not include groundwater.

Part C: Conditions Applying to All Activities (headings correspond to subsection 26(1) of the Mackenzie Valley Land Use Regulations)

26(1)(a) Location and Area

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| 1. | The Permittee shall use an existing campsite, as described in the complete application. | Existing Camp |
| 2. | The Permittee shall only conduct this land-use operation on lands designated in the application. | Location of Activities |
| 3. | Prior to the commencement of drilling, the Permittee shall submit the drill target areas and final drill hole locations on a 1:50,000-scale map with coordinates and map datum to the Board and an Inspector. | Drill Locations |

26(1)(b) Time

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| 4. | At least 48 hours prior to the initial commencement of the land-use operation, the Permittee's Field Supervisor shall contact an Inspector at (867) 767-9188. | Contact Inspector |
| 5. | At least 48 hours prior to commencement of this land-use operation, the Permittee shall provide the following information, in writing, to the Board and an Inspector:
(a) the name(s) of the person(s) in charge of the field operation;
(b) alternates; and
(c) all methods for contacting the above person(s). | Identify Agent |
| 6. | At least ten days prior to the completion of the land-use operation, the Permittee shall advise an Inspector of:
(a) the plan for removal or storage of equipment and materials;
(b) when final cleanup and reclamation of the land used will be completed; and
(c) when the Final Plan will be submitted. | Reports Before Final Removal |

26(1)(c) Type and Size of Equipment

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| 7. | The Permittee shall only use equipment of a similar type, size, and number to that listed in the complete application. | Use Approved Equipment |
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26(1)(d) Methods and Techniques

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| 8. | The Permittee shall not erect camps or store material, other than that required for immediate use, on the ice surface of a Watercourse. | Storage on Ice |
| 9. | Immediately upon completion of operations at each Borehole, the Permittee shall remove or cut off and seal each drill casing at ground level. | Mineral Exploration Drill Casings |

26(1)(e) Type, Location, Capacity, and Operation of All Facilities

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| 10. | The Permittee shall ensure that the land use area is kept clean at all times. | Clean Work Area |
| 11. | The Permittee shall not locate any Sump within 100 metres of the Ordinary High-Water Mark of any Watercourse, unless otherwise authorized in writing by an Inspector. | Sumps From Water |

26(1)(f) Control or Prevention of Ponding of Water, Flooding, Erosion, Slides, and Subsidence of Land

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| 12. | The land-use operation shall not cause obstruction to any natural drainage. | Natural Drainage |
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26(1)(g) Use, Storage, Handling, and Ultimate Disposal of Any Chemical or Toxic Material

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| 13. | At least seven days prior to the use of any chemicals that were not identified in the complete application, the Safety Data Sheets must be provided to the Board and an Inspector. | Chemicals |
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| 14. | When drilling within 100 metres of the Ordinary High-Water Mark of any Watercourse, and when drilling on ice, the Permittee shall contain all drill water and Drilling Waste in a closed circuit system for reuse, off-site disposal, or deposit into a land-based Sump or natural depression. | Drilling Near Water or On Ice |
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| 15. | The Permittee may deposit Drilling Waste that does not contain Toxic Material in a Sump or natural depression. Any Sumps or natural depressions used to deposit Drilling Waste must be located at least 100 metres from the Ordinary High-Water Mark of any Watercourse, unless otherwise authorized in writing by an Inspector. | Drilling Waste |
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| 16. | The Permittee shall remove all Drilling Waste containing Toxic Material to an approved disposal facility. | Drilling Waste Disposal |
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| 17. | The Permittee shall not allow any Drilling Waste to spread to the surrounding lands or Watercourses. | Drilling Waste Containment |
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| 18. | Prior to the expiry date of this Permit or the end of the land-use operations whichever comes first, the Permittee shall backfill and restore all Sumps, unless otherwise authorized in writing by an Inspector. | Reclaim Non-Oil And Gas Sumps |
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| 19. | During the period of this Permit, if a spill occurs or is foreseeable, the Permittee shall:
(a) implement the approved Spill Contingency Plan;
(b) report it-immediately using the NU-NT Spill Report Form by one of the following methods: <ul style="list-style-type: none">• Telephone: (867) 920-8130• Fax: (867) 873-6924• E-Mail: spills@gov.nt.ca• Online: Spill Reporting and Tracking Database
(c) within 24 hours, notify the Board and an Inspector; and
(d) within 30 days of initially reporting the incident, submit a detailed report to the Board and an Inspector, including descriptions of causes, response | Report Spills |
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actions, and any changes to procedures to prevent similar occurrences in the future. Any updates to this report shall be provided to the Board and an Inspector in writing as changes occur.

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| 20. | The Permittee shall dispose of all combustible Waste petroleum products by removal to an approved disposal facility. | Waste Petroleum Disposal |
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26(1)(h) Wildlife and Fish Habitat

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| 21. | The Permittee shall take all reasonable measures to prevent damage to wildlife and fish Habitat during this land-use operation. | Habitat Damage |
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26(1)(i) Storage, Handling, and Disposal of Refuse or Sewage

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| 22. | The Permittee shall adhere to the Waste Management Plan , once approved, and shall annually review the plan and make any necessary revisions to reflect changes in operations, technology, chemicals, or fuels, or as directed by the Board. Revisions to the plan shall be submitted to the Board for approval. | Waste Management |
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| 23. | Prior to the commencement of operations, the Permittee shall submit a waste disposal agreement to the Board. | Waste Disposal Agreement |
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| 24. | The Permittee shall keep all garbage and debris in a secure container until disposal. | Garbage Container |
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| 25. | The Permittee shall dispose of all garbage, waste, and debris as described in the approved Waste Management Plan, unless otherwise authorized in writing by an Inspector. | Remove Garbage |
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| 26. | The Permittee shall dispose of all Sewage and Greywater as described in the approved Waste Management Plan. | Sewage Disposal - Plan |
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26(1)(j) Protection of Historical, Archaeological, and Burial Sites

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| 27. | The Permittee shall not operate any vehicle or equipment within 150 metres of a known or suspected historical or archaeological site or burial ground. | Archaeological Buffer |
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| 28. | The Permittee shall not knowingly remove, disturb, or displace any archaeological specimen or site. | Site Disturbance |
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| 29. | The Permittee shall, where a suspected archaeological or historical site, or burial ground is discovered:
(a) immediately suspend operations on the site; and
(b) notify the Board at (867) 765-4592 or an Inspector at (867) 767-9188, and the Prince of Wales Northern Heritage Centre at 767-9347 ext. 71251 or ext. 71255. | Site Discovery and Notification |
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| 30. | At least 30 days prior to any new land disturbance, including new drill sites, the Permittee shall conduct an Archaeological Overview to identify areas of high and low potential for archaeological and burial sites and shall submit a summary report to the Board and the Prince of Wales Northern Heritage Centre. | ARCHAEOLOGICAL OVERVIEW |
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| 31. | Prior to disturbance in areas of high potential for archaeological or burial sites identified in the Archaeological Overview, the Permittee shall conduct an Archaeological Impact Assessment of the sites where disturbance is planned and shall submit a summary report to the Board and the Prince of Wales Northern Heritage Centre. | AIA – HIGH
POTENTIAL |
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26(1)(l) Security Deposit

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| 32. | Prior to the commencement of the land-use operation, the Permittee shall deposit with the Minister a security deposit in the amount of \$34,375.00. | Security Deposit |
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| 33. | All costs to remediate the area under this Permit are the responsibility of the Permittee. | Responsibility for
Remediation
Costs |
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| 34. | All equipment that may be parked for two hours or more, should have a haz-mat/drip tray under it or be sufficiently diapered. Leaky equipment shall be repaired immediately. | Drip Trays |
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26(1)(m) Fuel Storage

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| 35. | The Permittee shall place Fuel Storage Containers and or Tanks a minimum of 100 metres from the Ordinary High-Water Mark of any Watercourse, unless otherwise authorized in writing by an Inspector. | Fuel Storage
Setback |
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| 36. | The Permittee shall ensure that all fuel caches have adequate Secondary Containment. | Fuel Cache
Secondary
Containment |
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| 37. | The Permittee shall set up all refueling points with Secondary Containment. | Secondary
Containment –
Refueling |
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| 38. | The Permittee shall not allow petroleum products to spread to surrounding lands or Watercourses. | Fuel
Containment |
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| 39. | The Permittee shall mark all Fuel Storage Containers and Tanks with the Permittee's name. | Mark Containers
And Tanks |
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| 40. | Within ten days of the establishment of any fuel cache, the Permittee shall report the location and quantity of the cache in writing to the Board and an Inspector. | Report Fuel
Location |
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| 41. | The Permittee shall seal all outlets of Fuel Storage Containers and store the containers on their sides with the outlets located at 3 and 9 o'clock, except for containers currently in use. | Seal Outlet |
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| 42. | The Permittee shall adhere to the Spill Contingency Plan , once approved, and shall annually review the plan and make any necessary revisions to reflect changes in operations, technology, chemicals, or fuels, or as directed by the Board. Revisions to the plan shall be submitted to the Board for approval. | Spill Contingency
Plan |
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| 43. | Prior to commencement of the land-use operations the Permittee shall ensure that spill-response equipment is in place to respond to any potential spills. | Spill Response |
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| 44. | The Permittee shall clean up all leaks, spills, and contaminated material immediately. | Clean Up Spills |
| 26(1)(o) Restoration of the Lands | | |
| 45. | Prior to the end of the land-use operation, the Permittee shall complete all cleanup and restoration of the lands used. | Final Cleanup and Restoration |
| 26(1)(p) Display of Permits and Permit Numbers | | |
| 46. | The Permittee shall keep a copy of this Permit on hand at all times during this land-use operation. | Copy of Permit |
| 26(1)(q) Biological and Physical Protection of the Land | | |
| 47. | The Permittee shall adhere to the Engagement Plan , once approved, and shall annually review the plan and make any necessary revisions to reflect changes in operations or as directed by the Board. Revisions to the plan shall be submitted to the Board for approval. | Engagement Plan |
| 48. | If any plan is not approved by the Board, the Permittee shall revise the plan according to the Board’s direction and re-submit it to the Board for approval. | Resubmit Plan |
| 49. | All revised plans submitted to the Board shall include a brief summary of the changes made to the plan. | Summary of Changes |