

## PERMIT TO ALTER A BODY OF WATER

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Pursuant to the *Water Resources Act*, SNL 2002 cW-4.01, specifically Section(s) 48

Date: **JULY 20, 2023**

File No: **525**

Permit No: **ALT13184-2023**

Permit Holder: **Vulcan Minerals Inc.  
333 Duckworth Street  
St. John's NL A1C 1G9  
colin.hayes@vulcanminerals.ca**

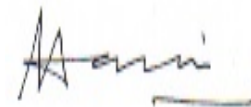
Attention: **Colin Hayes**

Re: **Unnamed Tributaries of Line Pond and Pine Pond North - Springdale Property - Small Bridges**

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Permission is hereby given for : **the installation of an 2.5m span untreated timber ATV bridge crossing a tributary of Line Pond and the installation of a 2.0m span untreated timber ATV bridge crossing a tributary of Pine Pond North near the Town of King's Point for the purpose of accessing mineral exploration sites associated with Mineral Exploration Approval E230267, in reference to the application received on June 20, 2023 and additional information received on July 17, 2023.**

- This Permit does not release the Permit Holder from the obligation to obtain appropriate approvals from other concerned municipal, provincial and federal agencies.
- The Permit Holder must obtain the approval of the Crown Lands Administration Division if the project is being carried out on Crown Land.
- This Permit is subject to the terms and conditions indicated in Appendices A and B (attached).
- It should be noted that prior to any significant changes in the design or installation of the proposed works, or in event of changes in ownership or management of the project, an amendment to this Permit must be obtained from the Department of Environment and Climate Change under Section 49 of the *Water Resources Act*.



(for) MINISTER

**APPENDIX A**  
**Terms and Conditions for Permit**

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**Small Bridges**

1. A 2.5m span untreated timber ATV bridge and a 2.0m span untreated timber ATV bridge may be constructed across an unnamed tributary of Line Pond and an unnamed tributary of Pine Pond North, respectively, near the Town of King's Point.
2. The use of creosote treated wood is strictly prohibited within 15 metres of all bodies of fresh water in the province.
3. The crossing structure must provide adequate capacity to safely discharge flood flows without causing backwater effects upstream or increased flow velocity downstream.
4. Bridge abutments must be set back 0.5 metres from the normal edge of a watercourse to prevent constriction during high flow conditions.
5. The natural course of any stream must not be altered.
6. Infilling must not cause increased water elevation upstream or increase flow velocity downstream of the site. Reduction of the natural cross sectional area of any watercourse is not permitted.
7. Piers must be designed to prevent failure resulting from scouring of streambed material.
8. The upstream and downstream sides of abutments must be protected with rip-rap, concrete or heavy timber to prevent erosion and scouring.
9. Where pumping is used to bypass flow, cofferdams must be installed both above and below areas of construction. The Permit Holder must provide pumps with sufficient capacity to prevent washout of cofferdams.
10. Cofferdams must be properly designed and constructed of suitable materials to prevent leakage and to resist loss of any material as a result of erosion. Cofferdams must be removed upon completion of their intended function. All material must be removed carefully to prevent disturbance of the water body and to prevent water quality degradation.
11. Abutments and piers must be constructed in the dry and during times of low flow.

12. The bridge(s) must have the following minimum dimensions:

<b>Crossing Name / No.</b>	<b>Span (m)</b>	<b>Waterway Opening (m<sup>2</sup>)</b>	<b>Freeboard (m)</b>
Tributary of Line Pond	2.5	2.0	0.4
Tributary of Pine Pond North	2.0	4.0	0.2

**Special Conditions**

13. Mineral Exploration Approval E230267 expires on July 17, 2025. When the ATV bridges are no longer required, and prior to the expiry of Mineral Exploration Approval E230267, the Permit Holder must dismantle and remove all constructed works and restore the sites to their original condition. All material placed in streams must be completely removed.

**General Alterations**

14. Any work that must be performed below the high water mark must be carried out during a period of low water levels.

15. Any flowing or standing water must be diverted around work sites so that work is carried out in the dry.

16. Water pumped from excavations or work areas, or any runoff or effluent directed out of work sites, must have silt and turbidity removed by settling ponds, filtration, or other suitable treatment before discharging to a body of water. Effluent discharged into receiving waters must comply with the *Environmental Control Water and Sewage Regulations, 2003*.

17. All operations must be carried out in a manner that prevents damage to land, vegetation, and watercourses, and which prevents pollution of bodies of water.

18. The use of heavy equipment in streams or bodies of water is not permitted. The operation of heavy equipment must be confined to dry stable areas.

19. All vehicles and equipment must be clean and in good repair, free of mud and oil, or other harmful substances that could impair water quality.

20. Any areas adversely affected by this project must be restored to a state that resembles local natural conditions. Further remedial measures to mitigate environmental impacts on water resources can and will be specified, if considered necessary in the opinion of this Department.

21. The bed, banks and floodplains of watercourses, or other vulnerable areas affected by this project, must be adequately protected from erosion by seeding, sodding or placing of rip-rap.

22. All waste materials resulting from this project must be disposed of at a site approved by the Department of Digital Government and Service NL.

23. Periodic maintenance such as painting, resurfacing, clearing of debris, or minor repairs, must be carried out without causing any physical disruption of any watercourse. Care must be taken to prevent spillage of pollutants into the water.
24. The owners of structures are responsible for any environmental damage resulting from dislodgement caused by wind, wave, ice action, or structural failure.
25. Sediment and erosion control measures must be installed before starting work. All control measures must be inspected regularly and any necessary repairs made if damage is discovered.
26. Fill material must be of good quality, free of fines or other substances including metals, organics, or chemicals that may be harmful to the receiving waters.
27. The attached Completion Report (Appendix C) for Permit No. 13184 must be completed and returned to this Department upon completion of the approved works. Pictures must be submitted along with the completion report, showing the project site prior to and after development.
28. This Permit is valid for two years from the date of issue. Work must be completed by that date or the application and approval procedure must be repeated.
29. The location of the work is highlighted on the Location Map for this Permit attached as Appendix D.

**APPENDIX B**  
**Special Terms and Conditions for Permit**

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1. The Permit Holder and its agent(s), subcontractor(s), and consultant(s) shall keep all systems and works in good condition and repair and in accordance with all laws, by-laws, directions, rules and regulations of any governmental authority. The Permit Holder or its agent(s), subcontractor(s), or consultant(s) shall immediately notify the Minister if any problem arises which may threaten the structural stability of the systems and works, endanger public safety and/or the environment or adversely affect others and/or any body of water either in or outside the said Project areas. The Permit Holder and its agent(s), subcontractor(s), and consultant(s) shall be responsible for all damages suffered by the Minister and Government resulting from any defect in the systems and works, operational deficiencies/inadequacies, or structural failure.
2. The Permit Holder and its agent(s), subcontractor(s), and consultant(s) shall operate the said Project and its systems and works in a manner which does not cause any water related and/or environmental problems, including but not limited to problems of erosion, deposition, flooding, and deterioration of water quality and groundwater depletion, in or outside the said Project areas. The Permit Holder and its agent(s), subcontractor(s), and consultant(s) shall be responsible for any and all damages associated with these problems caused as a result of changes, deficiencies, and inadequacies in the operational procedures by the Permit Holder or its agent(s), subcontractor(s), or consultant(s).
3. If the Permit Holder or its agent(s), subcontractor(s), or consultant(s) fails to perform, fulfil, or observe any of the terms and conditions, or provisions of this Permit, as determined by this Department, the Minister may, without notice, amend, modify, suspend or cancel this Permit in accordance with the *Water Resources Act*.
4. The Permit Holder and its agent(s), subcontractor(s), and consultant(s) indemnify and hold the Minister and Government harmless against any and all liabilities, losses, claims, demands, damages or expenses including legal expenses of any nature whatsoever whether arising in tort, contract, statute, trust or otherwise resulting directly or indirectly from granting this Permit, systems and works in or outside the said Project areas, or any act or omission of the Permit Holder or its agent(s), subcontractor(s), or consultant(s) in or outside the said Project areas, or arising out of a breach or non-performance of any of the terms and conditions, or provisions of this Permit by the Permit Holder or its agent(s), subcontractor(s), or consultant(s).
5. This Permit is subject to all provisions of the *Water Resources Act* and any regulations in effect either at the date of this Permit or hereafter made pursuant thereto or any other relevant legislation enacted by the Province of Newfoundland and Labrador in the future.
6. This Permit shall be construed and interpreted in accordance with the laws of the Province of Newfoundland and Labrador.

- cc: Ms. Paula Dawe, P.Eng.  
Manager, Water Rights, Investigations and Modelling Section  
Water Resources Management Division  
Department of Environment and Climate Change  
P.O. Box 8700  
4th Floor, West Block, Confederation Building  
St. John's, NL A1B 4J6  
pauladawe@gov.nl.ca
- cc: Dave Mercer (Central)  
Land Management Specialist  
Crown Lands Administration Division  
Department of Fisheries, Forestry and Agriculture  
davemercer@gov.nl.ca
- cc: Fisheries Protection Division  
Ecosystem Management Branch  
Fisheries and Oceans Canada  
P.O. Box 5667  
St. John's, NL A1C 5X1  
FPP-NL@dfo-mpo.gc.ca
- cc: Town of King's Point  
Ms. Marie Cumming  
44 Main Street  
P.O. Box 10  
King's Point, NL A0J 1H0  
kpcouncil@eastlink.ca
- cc: Andrea Devereaux  
Exploration Approvals Geologist  
Mineral Lands Division  
Department of Industry, Energy and Technology  
50 Elizabeth Avenue, P.O. Box 8700  
St. John's, NL A1B 4J6  
exploration\_approval@gov.nl.ca



**Appendix C - Completion Report**

Pursuant to the *Water Resources Act*, SNL 2002 cW-4.01, specifically Section(s) 48

Date: **JULY 20, 2023**

File No: **525**  
Permit No: **ALT13184-2023**

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**333 Duckworth Street**  
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Attention: **Colin Hayes**

Re: **Unnamed Tributaries of Line Pond and Pine Pond North - Springdale Property**  
**- Small Bridges**

Permission was given for : **the installation of an 2.5m span untreated timber ATV bridge crossing a tributary of Line Pond and the installation of a 2.0m span untreated timber ATV bridge crossing a tributary of Pine Pond North near the Town of King's Point for the purpose of accessing mineral exploration sites associated with Mineral Exploration Approval E230267, in reference to the application received on June 20, 2023 and additional information received on July 17, 2023.**

*I (the Permit Holder named above or agent authorized to represent the Permit Holder) do hereby certify that the project described above was completed in accordance with the plans and specifications submitted to the Department of Environment and Climate Change and that the work was carried out in strict compliance with the terms and conditions of the Permit issued for this project.*

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

This completion report must be completed and forwarded to the following address upon completion of the approved work.

Department of Environment and Climate Change  
Water Resources Management Division  
PO Box 8700  
St. John's NL A1B 4J6

**APPENDIX D**  
**Location Map for Permit**

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Vulcan Minerals - Springdale Property - Small Bridge Crossing Locations

