APPLICATION FOR WATER LICENCE, AMENDMENT OF LICENCE, OR RENEWAL OF LICENCE

**TYPE B**

1. Name and Mailing Address of Applicant
   Canadian Zinc Corporation
   Suite 1710 – 650 West Georgia Street
   Vancouver, BC V6B 4N9
   Telephone: (604) 688-2001
   Fax: (604) 688-2043

2. Address of Head Office in Canada if Incorporated
   Canadian Zinc Corporation
   Suite 1710 – 650 West Georgia Street
   Vancouver, BC V6B 4N9
   Telephone: (604) 688-2001
   Fax: (604) 688-2043

3. Location of Undertaking (describe and attach a map, indicating watercourses and location of any proposed waste deposits).

   Latitude 61° 33’
   Longitude 124° 48’

4. Description of Undertaking (describe and attach plans)
   See attached letter.

To develop a new decline from the existing 880 m level, including pumping, treatment and discharge of water inflows using the existing water treatment infrastructure and Polishing Pond, and placement of waste rock on an existing waste rock pad near the 870 m level portal.

5. Type of Undertaking.

   1. Industrial
   2. Mining and Milling X
   3. Municipal
   4. Power
   5. Agriculture
   6. Conservation
   7. Recreation
   8. Miscellaneous

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6. **Water Use**

<table>
<thead>
<tr>
<th>To obtain water</th>
<th>Flood control</th>
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<tbody>
<tr>
<td>To cross a watercourse</td>
<td>To divert water</td>
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<tr>
<td>To modify the bed or bank of a watercourse</td>
<td>To alter the flow of, or store water</td>
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</table>

Other (describe): To discharge treated water from the new decline and place waste rock on an existing waste rock pad. Discharge of treated water to the Polishing Pond, and discharge from the pond.

7. **Quantity of water involved (litres per second, litres per day or cubic meter per year, including both quantity to be used and quality to be returned to source.**

None.

8. **Waste deposited (quantity, quality, treatment and disposal)**

Discharge of treated decline water, amount dependent on rate of inflow.

Approximately 6,000 m³ of waste rock will be placed on a surface pad.

9. **Other persons or properties affected by this Undertaking (give name, mailing address and location. Attach a list if necessary.**

No persons or properties affected directly by this undertaking

Interested parties: Nahanni Butte Dene Band, Lidlii Kue First Nation, Deh Cho First Nations, Parks Canada

10. **Predicted environmental impacts of Undertaking and proposed mitigation.**

Produced water will have low metal content, much lower than present 880 m level drainage. Waste rock will not be mineralized and will have a high neutralization potential. Leachate is expected to be benign.
11. Contractors and sub-contractors (names, addresses and functions). Attach a list if necessary.

Procon may be the mining contractor, but this is subject to bids.

12. Studies undertaken to date. Attach a list if necessary.

As for the original application, and the reports submitted in fulfillment of licence conditions.

13. Proposed time schedule.

Start date: September 9, 2019  Completion date: September 9, 2024

Name (print): David Harpley

Signature: __________________________

Title (print): Vice President, Environment & Permitting Affairs

Date: April 22, 2019

FOR OFFICE USE ONLY

Application Fee Amount: $________  Receipt No: __________

Water Use Deposit Amount: $________  Receipt No: __________