



Please refer to the cover letter dated March 14, 2023 “Background” section for details on the purpose of why this increase to the daily water use limit is being requested. There are also additional details in the covering letter and materials provided to the responses to the incomplete letter from Parks Canada (dated April 20, 2023).

Activities are to remain the same as authorized by the existing Type B WL [PC2014L8-0006](#). No changes to the activities or scope of the WL are being requested.

This Licence entitles the Licensee to use Water and dispose of Waste for construction, operation, closure and reclamation of the Prairie Creek All Season Road Project, within Nahanni National Park Reserve of Canada, connecting Prairie Creek Mine site to the Liard Highway and associated facilities, as described in the Environmental Assessment, the Licensee’s Post-Environmental Assessment Information Package and subsequent Preliminary Screening Report dated August 20, 2019.

Management Plans can be found on the Mackenzie Valley Land and Water Board (MVLWB) online registry at <https://mvlwb.com/registry/PC2014L8-0006> (and also under the related Land Use Permit at <https://mvlwb.com/registry/PC2014F0013>). At the time of this application, all of the Phase 1 (winter road) management plans have been approved by Parks Canada with the exception of the Engagement Plan (submitted November 2022) and the Phase 1 Closure Plan which is currently due to be re-submitted to both Parks Canada and the MVLWB for approval in July 2023.

Please see the cover letter dated March 14, 2023 under the section “Management Plans” for more details. Additionally, a list (with hyperlinks) of the approved Phase 1 Management Plans are provided in Appendix 3 of the “PRAIRIE CREEK MINE ALL SEASON ROAD TYPE A WATER LICENCE APPLICATION PROJECT DESCRIPTION JUNE 2023”.

- b. Describe all equipment to be used, methods to be employed, and indicate all watercourses that may be affected along with the location of any proposed waste deposits. Provide a statement specifying the location of any equipment to be installed in taking water. In addition, please include a map that plots the above with recognizable landmarks and latitude/longitude indicated.

All equipment to be used, methods, watercourse crossings, and location of any proposed waste deposits remain as applied for and authorized by the existing Type B WL [PC2014L8-0006](#).

Further detailed information is available on the MVLWB online registry at <https://mvlwb.com/registry/PC2014L8-0006> (and also under the related Land Use Permit at <https://mvlwb.com/registry/PC2014F0013>).

- c. If this water is to be potable, is a water quality test attached? Provide documentation that the water quality is suitable for the purpose for which it is required.



This water is not to be potable. Water quality is to be sampled and monitored as per the existing Type B WL PC2014L8-0006.

- d. 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.

CZN is requesting a daily water use limit of 1000 m³/day (this is an increase from the current 299 m³/day under Type B WL PC2014L8-0006). Note this change from the “original” application form submitted in March 2023 – that number was an error. CZN is requesting 1000 m³/day.

The Type B water licence has a list of specific streams and lakes from which CZN can draw water (as per PC2014L8-0006, Part D Condition 2 – see table below). For the streams, CZN is allowed to draw less than 10% of the instantaneous flow. For the lakes, CZN is allowed to draw up to a total volume specific to each lake per winter season. No changes are proposed to the water sources for the Type A licence. As such, environmental protection of the streams and lakes will be maintained as it is currently under the Type B WL.

CZN does request to add a water use to the Tetcela River location to include winter road construction (see h in the table below taken from PC2014L8-0006, Part D Condition 2). Water withdrawal at this location will be guided by the operating Water Survey of Canada (WSC) gauging station. On February 1, 2019 the flow in the Tetcela River at the road station was recorded at 0.232 m³/sec. Assuming 10% of this, the daily volume would be 2,004 m³. This shows that the river could easily sustain the proposed limit. In addition, there are two large lakes in the park from which we can draw water.

See Appendix 2 of the “PRAIRIE CREEK MINE ALL SEASON ROAD TYPE A WATER LICENCE APPLICATION PROJECT DESCRIPTION JUNE 2023” for a bathymetry report and water use comparison calculations.



2. The Licensee shall only obtain Water for the Project from the following sources:

ID	Water Source Name	Location and Coordinates	Type of Water course	Purpose of Water Use	Maximum Quantity (m ³ per year)	Maximum Quantity in Any Single Ice-Covered Season (m ³)
a)	Mosquito Lake	KM 63.5 446703 E, 6825712 N	Lake	Winter road	44,448	33,528
b)	Lake 70	KM 70.5 448577 E, 6819566 N	Lake	Winter road	64,995	52,475
c)	Sundog Creek	KM 23.1 415639 E, 6829210 N	River	Camp; Culvert Installation, Dust Suppression	<10% instantaneous flow	NA
d)	Sundog Creek II	KM 29.0 420657 E, 6826795 N	River	Camp; Culvert Installation, Dust Suppression	<10% instantaneous flow	NA
e)	Sundog Creek III	KM 37.5 427063 E, 6829318 N	River	Camp; Culvert Installation, Dust Suppression	<10% instantaneous flow	NA
f)	Polje Creek	KM 53.2 440692 E, 6830793 N	River	Camp; Culvert Installation, Dust Suppression	<10% instantaneous flow	NA
g)	Fishtrap Creek	KM 94.6 465061 E, 6813845 N	River	Camp; Culvert Installation, Dust Suppression	<10% instantaneous flow	NA
h)	Tetcela River	KM 89.4 461383 E, 6815676 N	River	Camp; Culvert Installation, Dust Suppression	<10% instantaneous flow	NA
i)	Cat camp pit	KM 39.4 428523 E, 6830490 N	Ground water	Winter road	5750	NA

e. Waste deposited (quantity, quality, treatment and disposal).

All wastes deposited in terms of quantity, quality, treatment and disposal are the same as currently authorized by [PC2014L8-0006](#) (and the companion Land Use Permit PC2014F0013). No changes are being proposed with this application.

f. Other persons or properties affected by this Undertaking (give name, mailing address and location). Include a list if necessary.

Not applicable. See Appendix A for Engagement Activities.



g. Predicted environmental impacts of Undertaking and proposed mitigation.

Potential environmental and resource impacts for an All-Season Road were assessed in an Environmental Assessment (EA1415-01). The assessment of potential environmental impacts of the project and proposed mitigations is contained in CZN's Developers Assessment Report dated April 2015.

The Decision of the Review Board in their Report of EA dated September 12, 2017 was that the project "be approved subject to the measures described in this report, which are necessary to prevent significant adverse impacts on the environment".

CZN is requesting that this application be exempt from screening because the scope of the project is the same, with no changes to the number of and limits on water sources (see cover letter for more details).

Please see the covering letter(s) dated March 14, 2023 and April 20, 2023.

h. Studies undertaken to date.

Refer to April 2015 Developers' Assessment Report submitted for EA1415-01 and the approved Phase 1 Management Plans under MVLWB online public registry for PC2014L8-0006 (and the companion Land Use Permit PC2014F0013).

6. Contractors and sub-contractors (names, addresses and functions). Attach a list if necessary and identify the activity or activities they will be responsible for.

Contractors responsible for future winter roads are currently not known.

7. Proposed time schedule.

Start date: November 2023 Completion date: see note _____

Note: CZN's current Type B WL, PC2014L8-0006, expires in November 2029. CZN requests a Type A WL length in line with any associated Type A WL(s) issued by the MVLWB for the ASR. In these Type A WL applications, a WL term of 20 years is being requested (November 2043).

Name (print): Claudine Lee Signature: *Claudine Lee*

Title (print): VP Corporate Social Responsibility Date: June 12, 2023



For Office Use Only

Application fee (\$30)

Receipt No: _____

Water use deposit

Receipt No: _____

Please make all cheques payable to the "Receiver General of Canada"

Date Application Received: _____

Version: