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NUNAVUT WATER BOARD  
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OFFICE DES EAUX DU NUNAVUT

## EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

**Applicant:** Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) **Licence No:** \_\_\_\_\_  
(For NWB Use Only)

### ADMINISTRATIVE INFORMATION

- Environment Manager: Marie McGregor, Public Services and Procurement Canada (PSPC) Tel: (204)227-0615 E-mail: [marie.mcgregor@tpsgc-pwgsc.gc.ca](mailto:marie.mcgregor@tpsgc-pwgsc.gc.ca)
- Project Manager: Rachel Théorêt-Gosselin Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) Tel: (867)222-1732 E-mail: [Rachel.theoret-gosselin@rcaanc-cirnac.gc.ca](mailto:Rachel.theoret-gosselin@rcaanc-cirnac.gc.ca)
- Does the applicant hold the necessary property rights? Yes
- Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization. No
- Duration of the Project  
 One year or less      Start and completion dates:  
 Multi Year:

If Multi-Year indicate proposed schedule of on site activities

Start: June 2026      Completion: October 2026

### CAMP CLASSIFICATION

- Type of Camp  
 Mobile (self-propelled)  
 Temporary  
 Seasonally Occupied \_\_\_\_\_  
 Permanent  
 Other: \_\_\_\_\_

- What is the design, maximum and expected average population of the camp?  
The Camp facilities will be established for 15 persons and shall consist of, but not be limited to:
  - Approved toilet facilities
  - Camp wastewater collection, treatment, and disposal systems.
  - Waste, refuse, and garbage collection and disposal system.
  - Camp fire prevention, alarm and firefighting system.
  - Camp and site facilities safety and security service.
  - Meals and catering service.
  - Shower/wash facilities.

- Sleeping facilities.
- Janitorial services.
- First Aid facilities and service.

The camp will include all Utilities and services required for camp facilities including, but not limited to, heating, electricity, lighting, fuel, potable water and camp hygiene wash water systems.

8. Provide history of the site if it has been used in the past.

The seven sites of the Speers Lake bundle Project (the “Sites”) are located on Crown land in the Kitikmeot region of Nunavut. The Sites are uninhabited with varying amounts of recreation and subsistence use by locals and visitors. Site details including their location, historical use and summary of debris forming the cleanup plans for the Sites are provided in Table E-1 below.

Table E-1: Location and History of all Sites

Site	Distance from Kugluktuk	Coordinates	Site History	Debris Quantity
Speers Lake (WK097)	95 km from Kugluktuk	66° 59' 47" N and 115° 15' 08" W	Former exploration camp	<ul style="list-style-type: none"> <li>• 229 m3 of debris</li> <li>• 3 lead acid batteries</li> <li>• and 347 fuel barrels, 11 of which contain fuel or fuel/water mix (2,050 L)</li> </ul>
Asiak River (WK154)	40 km from Kugluktuk	67° 37' 02" N, 114° 27' 54" W	Former exploration camp	<ul style="list-style-type: none"> <li>• 14 m3 of debris</li> <li>• 9 empty fuel barrels</li> <li>• 2 m3 lead painted equipment</li> </ul>
Kendall River (WK165)	90 km from Kugluktuk	67° 07' 02" N, 116° 07' 45" W	Former fishing outpost camp	<ul style="list-style-type: none"> <li>• 13 m3 of debris</li> <li>• 1 empty fuel barrel and 2-20 L empty jerry cans</li> </ul>
Tahiapik River (WK170)	100 km from Kugluktuk	67° 16' 54" N, 116° 07' 23" W	Former exploration camp	<ul style="list-style-type: none"> <li>• 29 m3 of debris</li> <li>• 12 empty fuel barrel</li> <li>• 1 fuel barrel with unknown contents</li> </ul>
Impact Lake (WK176)	90 km from Kugluktuk	67° 34' 22" N, 117° 04' 38" W	Former exploration camp	<ul style="list-style-type: none"> <li>• 65 m3 of debris</li> <li>• 47 fuel barrels, 14 of which contain fuel or fuel/water mix (1,968 L)</li> </ul>
Coppermine Area (WK199)	50 km from Kugluktuk	67° 24' 11" N, 115° 09' 54" W	Former exploration camp	<ul style="list-style-type: none"> <li>• 11 m3 of debris</li> <li>• 1 water tank, 2 propane tanks and 1 empty mini fuel barrel</li> </ul>
Coppermine Area (WK210)	75 km from Kugluktuk	67° 29' 08.5" N, 116° 34' 20" W	Former exploration camp	<ul style="list-style-type: none"> <li>• 43 m3 of debris</li> <li>• 122 empty fuel barrels, 2 mini fuel barrels, 1 jerry can, 1 compressed gas cylinder, 8 metal tanks, 1 propane tank</li> </ul>

				<ul style="list-style-type: none"> <li>3 fuel barrels with unknown contents</li> </ul>
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All the Sites are under Crown-Indigenous and Northern Affairs Canada's (CIRNAC's) responsibility. The project that is the subject of the environmental impact assessment (EIA) is the cleanup of the Sites (the "Project").

**CAMP LOCATION**

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.

The boundary coordinates of the proposed temporary summer camp located at Speers Lake Site:

NW:	Latitude: (66° 52'51.53"N)	Longitude: (116° 18'39.16"W)
NE:	Latitude: (66° 52'51.52"N)	Longitude: (116° 18'37.65"W)
SE:	Latitude: (66° 52'51.21"N)	Longitude: (116° 18'37.75"W)
SW:	Latitude: (66° 52'51.39"N)	Longitude: (116° 18'39.15"W)

This camp location will be re-examined during pre-mobilization site visit in June 2026. If found unsuitable, a new location will be selected and the new location will be reported to NWB before the commencement of the work. A winter temporary camp might be established near the area identified for the snow airstrip. Would this approach be used; the coordinates of that proposed camp will be determined during the summer program and will be communicated to the NWB. The area would be identify based on stability of the ground, type of substrate, and flat topography to minimize ground disturbance.

10. How was the location of the camp selected? Was the site previously used? Was assistance from the Regional Inuit Association Land Manager sought? Include maps and/or aerial photographs. The area was identified based on stability of the ground, type of substrate, flat topography, and proximity to work areas. The location ensures minimum ground disturbance. The site was already used as a camp, as such the camp location is where the soil is stable and compacted already. See Annex 3 for maps and aerial photographs.

11. Is the camp or any aspect of the project located on:

- Crown Lands                      Permit Number (s)/Expiry Date: Application in progress
- Commissioners Lands            Permit Number (s)/Expiry Date: \_\_\_\_\_
- Inuit Owned Lands                Permit Number (s)/Expiry Date: \_\_\_\_\_

12. Closest Communities (direction and distance in km):

The sites are located within 110km from Kugluktuk.

13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?

A community engagement meeting was held in Kugluktuk in October 2024. See Water Licence Application for details.

14. Will the project have impacts on traditional water use areas used by the nearby communities? Will the project have impacts on local fish and wildlife habitats?

The project will have temporary impacts during the remediation work but will positively impact the water quality and fish and wildlife habitats afterwards.

## PURPOSE OF THE CAMP

15.  Mining (includes exploration drilling)  
 Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)  
(Omit questions # 16 to 21)  
 Other Remediation of abandoned site (Omit questions # 16 to 21)

16. Activities (check all applicable) *N/A*

- Preliminary site visit  
 Prospecting  
 Geological mapping  
 Geophysical survey  
 Diamond drilling  
 Reverse circulation drilling  
 Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)  
 Other: \_\_\_\_\_

17. Type of deposit (exploration focus): *N/A*

- Lead Zinc  
 Diamond  
 Gold  
 Uranium  
 Other: \_\_\_\_\_

## DRILLING INFORMATION

18. Drilling Activities *N/A*

- Land Based drilling  
 Drilling on ice

19. Describe what will be done with drill cuttings? *N/A*

20. Describe what will be done with drill water? *N/A*

21. List the brand names and constituents of the drill additives to be used? Includes MSDS sheets and provide confirmation that the additives are non-toxic and biodegradable. *N/A*

22. Will any core testing be done on site? Describe. *N/A*

## SPILL CONTINGENCY PLANNING

23. The proponent is required to have a site specific Spill Contingency Plan prepared and submitted with the application This Plan should be prepared in accordance with the *NWT Environmental*

*Protection Act, Spill Contingency Planning and Reporting Regulations, July 22, 1998 and A Guide to the Spill Contingency Planning and Reporting Regulations, June 2002. Please include for review.*

A Spill Contingency Plan has been written for this Project and is included with this application. The plan was prepared in accordance with the *NWT Environmental Protection Act, Spill Contingency Planning and Reporting Regulations, July 22, 1998 and A Guide to the Spill Contingency Planning and Reporting Regulations, June 2002.* The procedures in the plan will be adopted at Speers Lake in the event of fuel or hazardous material spill.

See the Annex 9 – Speers Lake Bundle Spill Response Plan.

24. How many spill kits will be on site and where will they be located?

Emergency spill equipment will be pre-assembled and maintained. These will include at least two fuel pumps, empty 200-liter barrels and absorbent material sufficient to clean up a 1000-liter spill at all fuel storage sites. Spill mats or pans and a spill kit will be maintained under mobile fueling containers and at the refueling area.

25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets.

Equipment, fuel, and hazardous materials anticipated to be used on Site during the Project have been summarized in the table below. The Contractor will provide more specific information on the types, quantities, and the MSDS sheets for all fuel and chemicals on site, upon contract award. The Contractor will comply with requirements of Workplace Hazardous Materials Information System (WHMIS) regarding employee training, use, handling, storage, and disposal of hazardous materials, and regarding labelling and provision of MSDS, as required by WHMIS.

Fuel and Chemicals	Estimated Quantity	Proposed Use
Gasoline	500 L	Vehicles/ATV
Diesel	5000 L	Generator fuel
Aviation Fuel	2,150 L	Helicopter and Fixed Wing Aircraft
Hydraulic Oil and Motor Oil	50 L each	Equipment and vehicle maintenance
Grease	25 tubes	Equipment and vehicle maintenance
Propane	400 Lbs	Camp heating and cooking
Acetylene	300 cubic feet	Cutting metal debris
Oxygen	800 cubic feet	Cutting metal debris

The hazardous material storage area will be located adjacent to the construction camp. It will be lined with an oil-resistant membrane and protected by either geotextile or plywood. Berms will be built around the perimeter of the storage area. Drums containing fuel will be stored in an elevated position, either on their side with bungs facing 9 and 3 o'clock position, or on pallets, upright, and banded.

When not in use, drums will be covered with tarpaulins to prevent water from pooling. Refuelling and fuel transfer will be done only by qualified personnel. An electric ULC-approved mobile fuel pump with an automatic shut-off will be used for refuelling equipment directly from the drums. The refuelling will not be permitted within 30m of a watercourse. Drip pans, and spill kits (booms and pads) will be present during refuelling activities. Emergency spill equipment will include at least two fuel pumps, empty 200 litre barrels and absorbent material sufficient to clean up a 1000 litre spill at all fuel storage sites.

Fuel Type / Est. Quantity (L)	Equipment	Storage & Handling
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Gasoline (~500L)	ATVs, snowmobiles, small equipment (generators, etc.)	<ul style="list-style-type: none"> <li>- Barrels containing fuel will be stored in an elevated position, either on their side with bungs facing 9 and 3 o'clock position, or on pallets, upright, and banded.</li> <li>- Fuel storage area to be constructed with secondary containment</li> <li>- Storage location to be approved by AHJ</li> </ul>
Aviation Fuel (~2,150)	Helicopter and Fixed Wing Aircraft	
Propane & Compressed gas	Camp facilities (cooking) Metal Cutting	
Diesel (~5,000)	Camp facilities (generators/heating)	

All hazardous, lead-based paint, and non-hazardous waste would be separated into acceptable approved containers, clearly labelled, and transported to the laydown area for final demobilization to southern disposal facilities.

## WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

The Speers Lake is located nearby the area identified for the construction of the camp (approximately 200m east of it).

27. Estimated water use (in cubic metres/day):

Domestic Use: 10 m3 Water Source: Speers Lake  
 Drilling: \_\_\_\_\_ Water Source: \_\_\_\_\_  
 Other: remedial activities 40 m3 Water Source: Speers Lake

Total water use: 50 m3

28. Describe water intake for camp operations? Is the water intake equipped with a mesh screen to prevent entrapment of fish? (see DFO 1995, *Freshwater Intake End-of-Pipe Fish Screen Guideline*) Describe:

Contractors will be required to use a pump that is contained within a rigid containment unit with a liner to contain any leaks. The intake will feature a mesh screen specifically designed to prevent fish from being drawn into the pump during pumping operations.

29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency?

Given the short duration of camp, drinking water will be brought to camp as bottled water so no monitoring or test required.

30. Will drinking water be treated? How?

N/A

31. Will water be stored on site?

Only water brought in bottle for drinking purposes.

## WASTE TREATMENT AND DISPOSAL

32. Describe the characteristics, quantities, treatment and disposal methods for:

Camp Sewage (blackwater)

N/A Self-contained toilets will be used for blackwater (no on-site discharges). There will be no on-site sewage treatment systems.

Camp Greywater

Grey water sump will be located away from water supplies and drainage areas. Any water resulting from camp domestic use, equipment decontamination and drum processing water will be treated on site if feasible/needed and discharged to a sump and/or will be placed in containers to be removed for off-site disposal in southern licensed facility.

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Solid Waste

Combustible camp waste will be disposed of by incineration. Non-combustible waste will be collected, packaged in appropriate containers, and shipped off-site for disposal along with all other debris collected during the remediation program. All waste materials will be shipped off Site for disposal. It is expected that on average 1.5 kg/person/day for a total of 1,800 kg will be generated during the on-site components of the remediation.

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Bulky Items/Scrap Metal

The surface debris will be separated into non-hazardous waste and hazardous waste. The non-hazardous waste will be separated into untreated/unpainted wood and other materials. The other materials will be broken down, if needed.

Non-hazardous materials will be placed into approved acceptable containers (e.g., clean drums, megabags, shipping crates) and then transported to the laydown area in preparation for removal and final disposal in southern facility.

All unpainted and/or untreated wood will be burned on-site as outlined in the AMSRP guidelines (Indian and Northern Affairs Canada, 2009) and according to the Nunavut Department of Environment – Environmental Guidelines for the Burning and Incineration of Solid Waste (Nunavut Department of Environment, 2012). Burning will be carried out by trained personnel in a controlled area (i.e. burn pad). All ash material will be collected and packaged in acceptable containers and moved to the laydown area in preparation for removal and final disposal in southern facility.

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Waste Oil/Hazardous Waste

The hazardous materials will be placed into approved acceptable containers (e.g., drums, overpacks, megabags) and then properly labelled and transported to the laydown area for removal and final disposal in southern facility.

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Empty Barrels/Fuel Drums

Drums and tanks that contain liquid would be separated from the other surface debris and the liquids will be consolidated in new lined drums to minimize the number of drums and tanks containing liquid as well as the potential for leaks. This procedure will be carried out ensuring containment measures are taken so that no liquid is spilled into the environment. Drums and tanks containing liquid organic wastes are considered hazardous and will

need to be stored and consolidated in approved containers with spill containment during their storage in the staging area prior to transport.

The drums will be washed and crushed on site and the tanks will be cleaned, cut up using hand tools, and consolidated prior to placement in the staging area. It is assumed that the cleaning of drums and tanks will result in approximately 2 L of sludge per drum and 100 L of sludge per tank. On-site treatment and discharge of water produced during tank and drum cleaning was assumed and would need to be permitted through the water license. Vapor testing will be done before cutting and the drums and tanks management will be completed by qualified personnel. Empty drums and tanks on the Sites will be classified as non-hazardous once cleaned.

The hazardous materials will be placed into approved acceptable containers (e.g., drums, overpacks, megabags) and properly labelled. All materials will be transported to the laydown area in preparation for removal and final disposal in southern facility.

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Other:

Demolition of the wood structure will be conducted by trained workers.

All hazardous, lead-based paint, and non-hazardous waste would be separated into acceptable approved containers, clearly labelled, and transported to the laydown area in preparation for removal and final disposal in southern facility.

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33. Please describe incineration system if used on site. What types of wastes will be incinerated?

For camp combustible waste, they will be incinerated on-site using cyclonator type equipment. For untreated wood, it will be broken down in manageable size and incinerated on a burn pad. The pad will be installed away from vegetation and ensure an adequate buffer zone with the surrounding vegetation is available to minimize potential for wildfire. The area will be covered by mesh to prevent sparks to get outside the secured zone and avoid wildfire risks. Burning will be carried out by trained personnel in a controlled area (i.e. burn pad). All ash material (from incinerator and burn pad) will be collected and packaged in acceptable containers and moved to the laydown area in preparation for removal and final disposal in southern facility.

34. Where and how will non-combustible waste be disposed of? If in a municipality in Nunavut, has authorization been granted?

All materials will be transported off-site and then by sealift for final disposal in licensed facilities in southern Canada.

35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for all sumps (if applicable).

Grey water sump will be located away from water supplies and drainage areas. Only small size required since limited water requirement for camp domestic use and remediation activities.

36. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency?

N/A

## **OPERATION AND MAINTENANCE**

37. Have the water supply and waste treatment and disposal methods been used and proven in cold climate? What known O&M problems may occur? What contingency plans are in place?

Yes, the incinerator will be one already used and proven in the North. Camp and work will be limited to short period using simple methods already proven for northern remediation.

## ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.

After remediation, the temporary camp facilities will be removed from the site. The site will be stabilized; all wastes and materials, slated for off-site transport, will be removed and shipped off-site to southern facilities.

## BASELINE DATA

39. Has or will any baseline information be collected as part of this project? Provide bibliography.

- X Physical Environment (Landscape and Terrain, Air, Water, etc.)
- X Biological Environment (Vegetation, Wildlife, Birds, Fish and Other Aquatic Organisms, etc.)
- X Socio-Economic Environment (Archaeology, Land and Resources Use, Demographics, Social and Culture Patterns, etc.)
- X Other: \_\_\_\_\_

- Phase III Environmental Site Assessment Pelly Lake, Nunavut (BLM-KEL-60, 2023).
- Remedial Action Plan (RAP) (BLM-KEL-60, 2023).
- Archaeological Assessment Report Pelly Lake, Nunavut (BLM-KEL-60, 2023).
- Environmental Impact Assessment Report Pelly Lake, Nunavut (BLM-KEL-60, 2023).

## REGULATORY INFORMATION

40. At a minimum, you should ensure you have a copy of and consult the documents below for compliance with existing regulatory requirements:

- X ARTICLE 13 – *NCLA -Nunavut Land Claims Agreement*
- X NWNSRTA – *The Nunavut Waters and Nunavut Surface Rights Tribunal Act, 2002*
- X *Northwest Territories Waters Regulations, 1993*
- X NWB - Water Licensing in Nunavut - Interim Procedures and Information Guide for Applicants
- X NWB - Interim Rules of Practice and Procedure for Public Hearings
- X RWED – *Environmental Protection Act, R-068-93- Spill Contingency Planning and Reporting Regulations, 1993*
- X RWED A Guide to the Spill Contingency Planning and Reporting Regulations, 2002
- X NWTWB - Guidelines for Contingency Planning
- X *Canadian Environmental Protection Act, 1999 (CEPA)*
- X *Fisheries Act, RS 1985 - s.34, 35, 36 and 37*
- X DFO - Freshwater Intake End of Pipe Fish Screen Guideline
- X NWTWB - Guidelines for the Discharge of Treated Municipal Wastewater in the NWT
- X Canadian Council for Ministers of the Environment (CCME); Canadian Drinking Water Quality Guidelines, 1987
- X Public Health Act - Camp Sanitation Regulations
- X Public Health Act - Water Supply Regulations
- X *Territorial Lands Act and Territorial Land Use Regulations; Updated 2000*