

WATER LICENCE INSPECTION FORM

| \times | Original | |
|----------|-----------|--------|
| | Follow-Up | Report |

| Licensee Licensee Representative | | | | | | | | | |
|----------------------------------|---|---------|-----------------|------------------|--|-------------|--------------------|-----------|---------|
| Hamlet of Cambridge Bay NA | | | | | | | | | |
| Licence No. / Expiry | | | | Representative's | Title | | | | |
| 3BM-CAM2030 | | | | NA | | | | | |
| Land / Other Authorizations | | | | Land / Other Aut | thorizati | ons | | | |
| | | | | | | | | | |
| Date of Inspection | | | | Inspector | | | | | |
| June 30, 2022 | | | | Jonathan | MES | HER | | | |
| Activities Inspected | | | | | | | | | |
| ☐ Camp ☐ Roads/Hauling ☐ | Drilling Other: | | Mining | = | ☐ Construction ☐ Reclamation ☐ Fuel Storage ☐ Other: Hamlet waste storage. | | | | |
| Conditions: A - Ac | Conditions: A - Acceptable C - Concern U - Unacceptable NA – Not Applicable NI – Not Inspecte | | | | | | pected | | |
| Water Use | Condition | Comment | Site Conditions | | Condit ion | Comme nt | Haz/Mat Management | Condition | Comment |
| Intake/Screen | NA | | Water Managen | nent Structures | NA | | Storage | U | |
| Flow Measure. Device | ce NA Culverts / Bridges | | | NA | | Spills | С | | |
| C | NI A | | Duning and | | | | Carill Diana | N.I. | Ì |

| Conditions: A - Acceptable | | C - Concern O - Unacceptable | | NA – Not Applicable Ni - | | – Not Inspected | | |
|-----------------------------|------------|------------------------------|------------------------------------|--------------------------|-------------|-----------------------|-----------|---------|
| Water Use | Condition | Comment | Site Conditions | Condit ion | Comme nt | Haz/Mat Management | Condition | Comment |
| Intake/Screen | NA | | Water Management Structures | NA | | Storage | U | |
| Flow Measure. Device | e NA | | Culverts / Bridges | NA | | Spills | С | |
| Source: | NA | | Drainage | NA | | Spill Plan | NI | |
| Water Use: | NA | | Erosion / Sediment | NA | | | | |
| Recirculation (y /n) | NA | | Mitigation Measures | Α | | Administrative | | |
| | | | Reclamation Activities | NA | | Records | NI | |
| | | | Materials Storage | NA | | Reports | NI | |
| Waste Disposal | | | Signage | | | Plans | NI | |
| Waste Water | С | | | | | Notifications | Α | |
| Solid Waste | С | | Monitoring | | | Other | | |
| Hazardous Waste | U | | Sample Collection / Analysis | Α | | Follow-up from | NI | |
| | | | | | | previous inspection | | |
| | | | | | | | | |
| | *The numbe | r in the c | omments field will correspond with | n specij | fic comn | nents provided below. | | |
| Samples taken by Inspector: | | | Location(s): | | | | | |
| ☐ Yes ⊠ No | | | | | | | | |

| SECTION 1 | ◯ Comments | Non-Compliance with Act or Licence | |
|----------------|-------------------|------------------------------------|--|
| Daaleerratural | _ | | |

Action Required

Background:

On June 30, 2022, I Jonathan Mesher conducted an inspection of the Waste storage facilities to ensure compliance with the terms and conditions of the Water licence 3BM-CAM2030. During the 2022 inspection all concerns noted in the September 2021 were still identified as a concern the following is the concerns noted in 2021 and 2022.

1. Metal waste area.

- a) During the inspection there was various batteries stored inside wooden boxes and a sea can, there was also batteries scattered around the storage area outside of containment. PART D, item 11 of the licence 3BM-CAM2030 states; "The Licensee shall segregate and store all hazardous materials and/or hazardous Waste within the Solid Waste Disposal Facility in such a manner as to prevent the deposit of deleterious substances into any Water, until such a time that the materials have been removed for proper disposal at an approved facility." see photo 1 for the battery storage.
- b) During the inspection the Hazardous material containment cells appeared to be retaining water and it appeared that there was significant room in this containment. See photos 2 and 3 for the hazardous material berm.
- c) The inspector noted significant hazardous material outside on containment within the metal dump. See photos 4, 5 and 6 for the waste mentioned.

2. Landfill.

- a) During the inspection there was signs of erosion near the landfill gate, the slope of the area indicates the water causing the erosion is originating from within the landfill. PART D item 2 of the licence 3BM-CAM2030 states; "The Licensee shall direct Effluent from the Solid Waste Disposal Facility to the Retention Sewage Lagoon as required." See photo 7 for the erosion noted.
- b) The inspector noted various types of non-burnable waste within the landfill such as; Styrofoam and plastics. PART D, Item 9 states "The Licensee shall not open burn plastics, wood treated with preservatives, electric wire, Styrofoam, asbestos or painted wood to prevent the deposition of waste materials of incomplete combustion and/or leachate from contaminated ash residual, from impacting any surrounding waters,





unless otherwise approved by the Board in writing."

- **3.** 2022 concern;
- a) While inspecting the metal waste dump the inspector noted a oil spill, the spill has since been remediated. See photo 9 for the oil spill noted.

Section 2 Comments Non-Compliance with Act or Licence Action Required

The licensee is to develop a plan by January 15, 2023 to ensure the following concerns are addressed, this plan shall include a timeline for implementation.

- 1) The licensee is to ensure all Hazardous waste is segregated and stored in a way to prevent waste from entering water, the inspector recommends storing all hazardous waste at the metal waste area within the berms on site.
- 2) The licensee is to provide a plan to sort, package and ship hazardous materials to an approved waste management facility due to inability to store the excess of hazardous materials.
- 3) The licensee is to ensure all effluent from the landfill is captured in the retention sewage lagoon as required in the licence.

| Inspector's Name | |
|--------------------|--|
| Jonathan MESHER | |
| Signature | |
| | |
| Date | |
| September 27, 2022 | |

Water Resource Officer, Nunavut Region

Crown Indigenous Relations and Northern Affairs Canada – CIRNAC

Jonathan.mesher@canada.ca

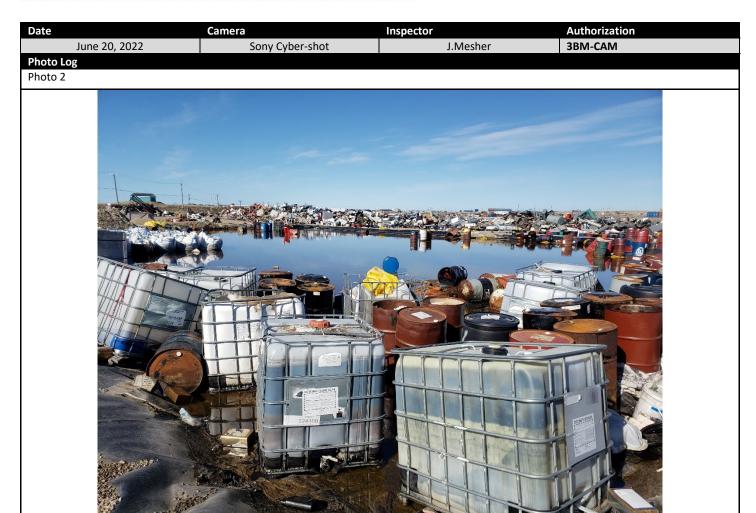
Office #: 867-222-0118 Fax: 867 979-6445

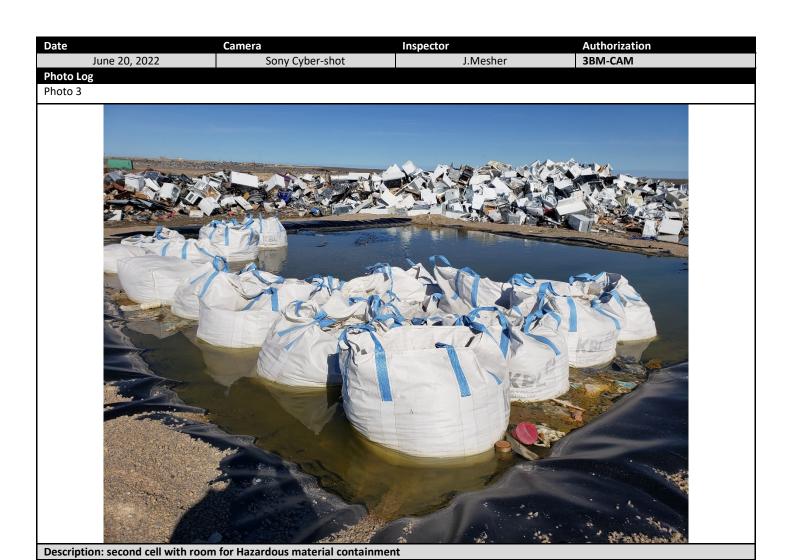
| Date | Camera | Inspector | Authorization |
|--------------------------------------|-----------------|-----------|---|
| June 20, 2022 | Sony Cyber-shot | J.Mesher | 3BM-CAM |
| Photo Log | | | |
| Photo 1 | | | |
| Description: batteries outside of co | ntainment | | 14286 NWC-2-CAM |
| Description, sutteries outside of te | Antoninio (It | | |





Description: containment cell with space for waste









| Date | Camera | Inspector | Authorization |
|--------------|-----------------|-----------|---------------|
| June 20,2022 | | | |
| | Sony Cyber-shot | J.Mesher | 3BM-CAM |

Photo Log Photo 4



Description: various wastes outside of containment

| Date | Camera | Inspector | Authorization |
|---------------|-----------------|-----------|---------------|
| June 20, 2022 | | | |
| | Sony Cyber-shot | J.Mesher | 3BM-CAM |
| Disease Land | | | |

Photo Log Photo 5



Description: barrels outside of containment

