

**WATER LICENCE INSPECTION FORM**☒ Original
☐ Follow-Up Report

Licensee	Licensee Representative
Baffinland Iron Mines Corp – Mary River Project	Katherine Babin
Licence No. / Expiry	Representative's Title
2AM-MRY1325	Environment Coordinator
Land Authorization No. / Expiry	Land Authorization Expiry
N/A	N/A
Date of Inspection	Inspector
June 29 th , 2022	
Activities Inspected	
<input type="checkbox"/> Camp <input type="checkbox"/> Drilling <input checked="" type="checkbox"/> Mining <input type="checkbox"/> Construction <input type="checkbox"/> Reclamation <input type="checkbox"/> Fuel Storage <input type="checkbox"/> Roads/Hauling <input type="checkbox"/> Other: Municipal <input type="checkbox"/> Other:	

SECTION 1	<input checked="" type="checkbox"/> Comments (s. __)	<input type="checkbox"/> Non-Compliance with Act or Licence (s. __)	<input type="checkbox"/> Action Required (s. __)
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On Wednesday June 29th, 2022 I, Omer Pasalic Senior Inspector with the Crown Indigenous Relations and Northern Affairs Canada (CIRNAC and for the purpose of this report hereafter referred as the “ Inspector”), did visit the site of the license holder named above for the purpose of verifying terms and conditions upon which the water license was issued upon.

During the inspection, the inspector was accompanied by Katherine Babin, the environmental coordinator for the site.

Inspector observed that there is ongoing construction at the site's waste rock facility. Numerous construction items were observed outside the construction building that were not properly secured. As such, there was/is a risk present for debris to be blown out of the intended construction area during high winds causing negative impact on the surrounding environment. Inspector did express the concern to Katherine Babin upon which time the inspector was advised that the concern will be addressed.

In addition to the concern stated above, no copy of water license was observed at the facility. This was also brought to the attention of the site's environmental coordinator.

Following the waste rock's facility site, laydown area was inspected.

Inspector observed that no signage identifying the area as such was posted. This observation was also brought to the attention of the site's coordinator and that the erected signage needs to be identified in all official languages of Nunavut.

Discharge location pond, known as MS07, was also inspected and no items of concern were identified.

MS11 Laydown area (Km 104), was inspected. The inspector observed multiple knockdown signage along the road. This observation was brought to the attention of the site's environmental coordinator.

Crusher area and adjacent pond discharge and sampling location were inspected. At the time of the inspection, no items of concern were observed.

The site's generators location was inspected.

Previously, a spill of approximately 400 liters of diesel fuel that escaped from one of the generators was reported. It appears the spill was addressed and cleaned up. Protective measures of any future spills were put in place concerning the area where the generators are located.

Once the inspector, along with the site's environmental coordinator, cleared the site's generators area the inspection of wastewater treatment plant (MSC), waste treatment plant (Tamativiik) site, incinerator site and open burn pit (KM 98) was inspected.

Since no posted and visible copies of the water license were found in the facilities of the wastewater treatment plant and the waste treatment plant, inspector did inform the site's environmental coordinator of this observation. In fact, no copies of the water license were present at all within these facilities were confirmed by the facilities operator at the time of the inspection.



No items of concern were noted while inspection of incinerator and the open burn pit took place. Both of these sites were kept clean and in good condition. No hazardous material that would pose a risk of entering waters and adjacent environment were observed.

Following the inspections of the above noted areas, camp's withdrawal water intake lake (Jetty) was inspected. Licensee did install preventive measures for sediments in the form of booms and rock barriers. Photographs of same were taken and are included in this report. No debris, tailings, garbage or other items of concern that would pose a risk of entering the water intake lake were observed during the inspection.

The inspector noted no visible signs, erected or otherwise, identifying the area as such were present at or near the inspected location. This observation was shared with the site's environmental coordinator.

Following the inspection of the above noted item, landfill, landfill laydown farm and four tank fuel farm was inspected.

No items of concern were observed during the inspection as all of the areas named above were kept clean and free of debris and other unwanted items that could negatively impact the environment. Ready for use fuel cleaning kits were also observed at the four tank fuel farm.

Following the inspection of the above noted items, fifteen million liters capacity fuel tank was inspected. Melting snow caused water to accumulate within the berms of the fuel tank. Inspector advised the site's environmental coordinator that the sampling of the accumulated water needs to be taken prior of discharge.

Fuel storage (Jet A) fuel located within the airport was also inspected. No items of concern were noted at the time of the inspection.

The inspector did ensure that the licensee is not operating above the allowable water usage and or consumption of water as prescribed by the water license number 2AM-MRY1325. This was done by a way of comparing the volume of water used, as documented and produced by the licensee, with the limits of allowable volumes of water contained in the issued license. The licensee ensured the water meters are installed, where appropriate, and are operational at all times.

The licensee, as required by the water license, is compliant and up to date producing water license pertaining data, usage and sampling where and when required to do so.

In addition, the licensee has been compliant in reporting spills to the inspector and spills line once the spill has been identified and corrective measures taken.

It is intention of the inspector to revisit the site once again in September, 2022 to ensure the ongoing compliance with the issued water license.

End of report.

SECTION 2



Comments (s. __)



Non-Compliance with Act or Licence (s.2)



Action Required (s. __)


- No signs at or near various facilities identifying such facilities
- Debris not secured
- No displayed and visible water license copies at various facilities
- Damaged culvert identified in the previous inspection still not addressed



- Knocked down signs along the roads

SECTION 3 ☐ **Comments (s. __)** ☐ **Non-Compliance with Act or Licence, (s. __)** ☒ **Action Required (s.3)**

- Ensure the facilities are identified by a way of outside signage.
- Ensure the signage reflects all of Nunavut's official languages.
- Ensure construction debris is secured, thus preventing potentially negative impact to the environment by windblown items.
- Ensure every facility contains posted and visible copy of the water license.
- Ensure the damaged culvert has been properly addressed (on the road to the airport) and was pointed out to the site's environmental coordinator of its exact location. In addition, the culvert was identified as damaged during the previous inspection but to date was not properly addressed.
- Ensure the signs along the roads are properly erected and visible.

Licensee or Representative	Inspector's Name
Todd Swenson C/O Baffinland Iron Mines Corp.	Omer Pasalic
Signature	Signature
	<i>Omer Pasalic</i>
Date	Date
August 3, 2022	August 3, 2020

Office Use Only: Follow-up report to be issued by Inspector ☒ Yes ☐ No



PHOTO LOG

Date:	Authorization Number:	Camera/Model:	Inspector
2022-06-29	2AM-MRY1325	Huawei P30 Pro	Omer Pasalic

Photo No. 1



Description:

Jetty – Water intake lake. Booms and sediment prevention.



Photo No.2



Description:

Water intake meter. Jetty. Engaged and operational.



Photo No. 3



Description:

Operational and in use water intake monitoring meter 2



Photo No. 4



Description:

Construction material at waste rock facility currently under construction.



Photo No.5



Description:
Crusher.



Photo No.6



Description:

Mine water storage pond (KM 105)

MLEU91028 7

Baffinland
Waste Water
Treatment Plant

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SAFETY first
ALWAYS

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Wastewater treatment facility.



Photo No.8



Description:

Wastewater treatment facility meter. Operational and in use.



Photo No.9



Description:

Waste treatment (main camp) facility's meter in use and operational.