

WATER LICENCE INSPECTION FORM

☒ Original

☐ Follow-Up Report

Licensee	Licensee Representative
Mars Society	Shannon Rupert
Licence No. / Expiry	Representative's Title
3BC-MAR1014	Director
Land / Other Authorizations	Land / Other Auhorizations
N2012N0018	
Date of Inspection	Inspector
July 5, 2022	Joseph Monteith
Activities Inspected	
☐ Camp	☐ Drilling
☐ Roads/Hauling	☐ Mining
	☐ Construction
	☒ Reclamation
	☐ Fuel Storage
	☐ Other:

Conditions:	A- Acceptable	U-Unacceptable	C-Concern	NI-Not Inspected	NA- Not applicable
PART:			Condition	Observation No.*	
A: SCOPE, DEFINITIONS AND ENFORCEMENT			A		
B: GENERAL CONDITIONS			A		
C: CONDITIONS APPLYING TO SECURITY			NI		
D: CONDITIONS APPLYING TO WATER USE			A	1,2	
E: CONDITIONS APPLYING TO WASTE DISPOSAL AND MANAGEMENT			A	3-5	
F: CONDITIONS APPLYING TO MODIFICATIONS			A		
G: CONDITIONS APPLYING TO CONSTRUCTION			A		
H: CONDITIONS APPLYING TO EMERGENCY RESPONSE AND CONTINGENCY PLANNING			A		
I: CONDITIONS APPLYING TO ABANDONMENT, RECLAMATION AND CLOSURE PLANNING			A	6,7,8,9	
J: CONDITIONS APPLYING TO MONITORING			NI		
SCHEDULES			A		
*The item number corresponds with specific conditions within the licence and the observation number corresponds with specific comments provided below.					
Samples taken by Inspector:		Location(s):			
☐ Yes ☒ No		• N75° 25' 52.9" W89° 49' 24.5"			

Background	
The Mars Society is an international society dedicated to the furthering the human exploration and settlement of the Planet Mars. In July 2000, the Mars Society established a research facility at the Haughton impact crater site on Devon Island, Nunavut, called the “Flash line Mars Arctic Research Station” (FMARS). The station is situated on Haynes Ridge, overlooking the Haughton impact crater, a 23 kilometer (14 mi) diameter crater formed approximately 39 million years ago. Mars Society established 2 camps sites at Geographical Coordinates (Camp name-GPS): - FMARS-N75° 25' 52.9" W89° 49' 24.5" - Water supply support tent -N75° 25' 53.0" W89° 49' 27.0" The Mars Society was issued 8WLC-1718 on June 5, 2017 for the purpose of use of water and deposit of waste. Mars Society was authorized withdrawal 1m³ of water per day. Mars Society let their authorization expire on June 4, 2018. Inspector Statement On July 5, 2022, a Water License inspection by Aerial Survey was conducted by Water Resource Officer(WRO) Joseph Monteith at the sites where 3BC-MAR1014 were located on Devon Island, NU. Water Use - No signs of water use, equipment or disturbances. - No observation of Water Supply Tent at N75° 25' 53.0" W89° 49' 27.0". No signs of water withdrawal, no signs of disturbance to fish bearing waters. Waste - No signs of sump pit - No signs of spills	

5. Spill Kit observed onsite

Reclamation

- 6. FMARS Structure still occupying site.
- 7. Fuel Cache observed on site. Spill Kit observed
- 8. Boxes of supplies observed on site
- 9. Waste Oil drums observed on site

SECTION 1

☒ Comments

☐ Non-Compliance with Act or Licence

☒ Action Required

Due to the expiry of the water license, remove all structures and equipment or re apply for a new water license.

SECTION 2

☐ Comments

☒ Non-Compliance with Act or Licence

☐ Action Required

8WLC-LHA1718 Terms and Conditions -Schedule 1- Abandonment and Restoration

6. Prior to the closure or abandonment of the undertaking or end of the period authorized for the use of Waters or deposit of waste without a licence, whichever occurs first, the site shall be restored — to the extent practicable — to the state in which it was before the use of Waters or the deposit of Waste.a

Nunavut Waters and Nunavut Surface Rights Tribunal Act

Prohibitions

Use of waters

11 (1) Subject to subsection (2), no person shall use, or permit the use of, waters in Nunavut except in accordance with the conditions of a licence.

Deposit of waste

12 (1) Subject to subsection (2) and except in accordance with the conditions of a licence, no person shall deposit or permit the deposit of waste (a) in waters in Nunavut; or(b) in any other place in Nunavut under conditions in which the waste, or any other waste that results from the deposit of that waste, may enter waters in Nunavut.

Licensee or Representative	Inspector's Name
Shannon Rupert	Joseph Monteith
Signature	Signature
	
Date	Date
29NOV2022	November 29, 2022

CC: Licensing Department, NWB
Jeremy Fraser, Manager of Field Operation

PHOTO LOG

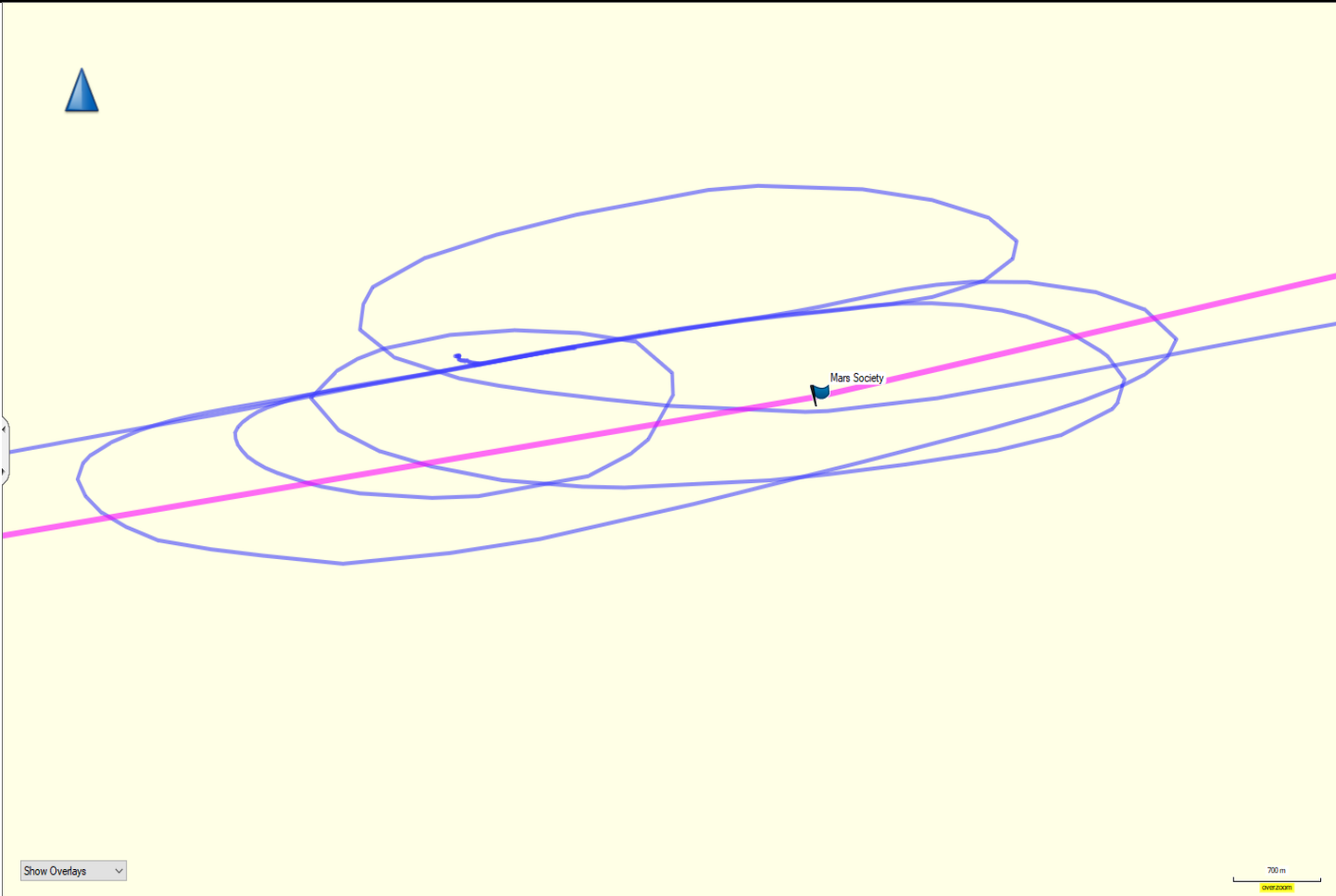
Date	Camera	Inspector
July 5, 2022	Samsung Galaxy S9	Joseph Monteith
Photo Log #1		Location
Photo 1		Fosheim Peninsula, Ellesmere Island, Qikiqtani Region, Nunavut
		
Description: Basemap routes, tracks and points. Mars Society Point, and aerial survey tracks of Water License 8WLC-MAR1718		

Photo Log #	Location
Photo 2	N75° 25' 52.9" W89° 49' 24.5"



Description: FMARS. Fuel Cache pile closest to FMARs, few wooden crates, and waste drum stockpile to furthest pile to FMARS.

Photo Log #

Photo 3

Location

N75° 25' 52.9" W89° 49' 24.5"



Description: Fuel cache with spill kit observed nearest to FMARS building. Yellow Spill kit with fuel cache. Waste drums on far right.

