



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee		Licensee Representative	
Lupin Mines Inc		Karyn Lewis	
Licence No. / Expiry		Representative's Title	
2AM-LUP2032		Project Manager	
Land / Other Authorizations		Land / Other Authorizations	
Date of Inspection		Inspector	
2020 July 2		Baba Pedersen	
Activities Inspected			
<input checked="" type="checkbox"/> Camp	<input type="checkbox"/> Drilling	<input type="checkbox"/> Mining	<input type="checkbox"/> Construction
<input type="checkbox"/> Roads/Hauling	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Other: Mine Reclamation	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Fuel Storage			

Conditions:		A - Acceptable	C - Concern	U - Unacceptable	NA – Not Applicable	NI – Not Inspected	
Water Use		Condition	Comment	Site Conditions		Condition	Comment
Intake/Screen	A	5	Water Management Structures			Storage	
Flow Measure. Device	A	5	Culverts / Bridges			Spills	
Source:			Drainage	A	2	Spill Plan	
Water Use:	A	5	Erosion / Sediment				
Recirculation (y /n)			Mitigation Measures	C	3	Administrative	
			Reclamation Activities	A		Records	A 5
			Materials Storage	A	2	Reports	
Waste Disposal			Signage		7	Plans	C 6
Waste Water	A	1				Notifications	C 6
Solid Waste	A	2	Monitoring	Other			
Hazardous Waste			Sample Collection / Analysis		1		
Food Waste	A	4					
*The number in the comments field will correspond with specific comments provided below.							
Samples taken by Inspector:			Location(s):				
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							

SECTION 1	<input checked="" type="checkbox"/> Comments (s. __)	<input type="checkbox"/> Non-Compliance with Act or Licence (s. __)	<input type="checkbox"/> Action Required (s. __)
<p>On Thursday July 2, 2020 I, Baba Pedersen, Resource Management and Water Resources Officer with Crown-Indigenous Relations and Northern Affairs Canada, the Writer of this Report, did Inspect the holder (Lupin Mines Incorporated) of Water Licence number 2AM-LUP2032 issued for the Reclamation of the Lupin Mine Site located at approximately N 65*46' and W 111*14'in the Kitikmeot Region of the Territory of Nunavut (Photos 1 and 2).</p> <p>Upon arrival to the site, the writer was accompanied by Gord Peckford, Mine Manager of the Lupin Mine Site for Nahanni Construction Ltd and John Franklin Kaodluak, CIRNAC Contracted Bear Monitor. The purpose of the Inspection was the following:</p> <p>1. To Inspect Terms and Conditions pertaining to the Water Licence stated above and additionally to ensure that the Licensee is abiding by named Terms and Conditions within the Licence Permit.</p> <p>2. To follow up on the Progress Made by Nahanni/LMI as per their Reclamation Security Release Request.</p> <p>THIS REPORT IS PERTAINING TO ITEM 1.</p> <p>Due to the ongoing global Covid-19 Pandemic situation, this was a very unique Inspection process. The writer flew in to the site on an Air Charter, which is the only accessible means of travel to and from the mine site during the summer months. Recommended health guidelines including social distancing in response to the pandemic were respected the entire time the writer was on the ground at the Lupin Site. John Franklin Kaoudluak and the writer followed Gord Peckford around the site using their own ATV's while Gord was using his company's truck. At NO Time did any named parties including the 2 Pilots of the Charter Flight come into contact with anyone working at the Lupin Site.</p>			
SECTION 2	<input checked="" type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> Action Required
<p>The Mine Site Reclamation Project is now in full operation. There are approximately up to 84 people on site at any time. The following was observed by the writer:</p> <p>1. The Sewage Lagoon (Photo 3) is within volume limits as it still has more than 1 meter of Freeboard. The writer was informed that the content of the Lagoon has been Sampled recently and LMI is awaiting the Lab Results.</p> <p>2. The Temporary Land Fill Storage Area (Photos 4 through 8) is comprised of only Non-Hazardous Materials and there was no visible Run-off into any bodies of water or streams.</p> <p>3. LMI Mitigation Measures for Dust Control is by the use of a Truck (as seen in Photo 9) watering all Roads. During very strong winds (Photos 10 and 11) windblown dust has the potential of traveling long distances, hence the use of a water truck is needed to minimize the risk of windblown dust.</p>			



4. Incineration of Camp Food Waste (Photo 12) is done daily with a large Incinerator.
5. Potable Water is taken from the Contwoyto Lake Intake (Photos 13 and 14). LMI has recently emailed the writer a copy of Water Consumption Records showing they are well within allowable limits.
6. LMI has verbally told the writer that they and their Contractor, Nahanni, may try and complete the planned 2 year project in 1 year only.
7. The writer gave Nahanni verbal instructions to ensure all Signage for Sample Stations were In-Place before the writer’s next scheduled Inspection.

SECTION 3	<input type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input checked="" type="checkbox"/> Action Required
<div>1. Sewage Lagoon Sample Results from the Lab MUST be provided to the writer for approval prior to Decanting.</div> <div>2. The Temporary Landfill Storage Area is in an acceptable state. The writer walked the entire area and the perimeter and found no major concerns.</div> <div>3. LMI MUST pay constant attention to Dust Control Mitigation Measures in order to minimize the effects of windblown dust getting into any Bodies of Water.</div> <div>4. The writer has no concerns with the Incineration of Camp Food Waste.</div> <div>5. The writer has no concerns with Potable Water retrieval or Consumption Levels.</div> <div>6. LMI MUST inform the Nunavut Water Board IN WRITING if there are to be any changes in the Approved Project Schedule.</div> <div>7. Where required, Sample Station Signage is to be Repaired or Replaced prior to the next scheduled Inspection.</div>			

Licensee or Representative	Inspector's Name
	Baba Pedersen
Signature	Signature
	Signed Original on File
Date	Date
	2020 July 15

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

cc. CIRNAC, Manager Field Operations, Iqaluit, justin.hack@canada.ca

Nunavut Water Board, Manager of Licensing, Gjoa Haven, licensing@nwb-oen.ca



PHOTO LOG

Date	Camera	Inspector	Authorization
2020 July 2	Sony DSC-HX50V	Baba Pedersen	2AM-LUP2032
Photo Log # DSC05582		Location	

Photo 1



Description: Lupin Mine Site Photo taken on arrival on July 2, 2020

Photo Log # DSC05644	Location
Photo 2	



Description: Lupin Mine Site



Photo Log # DSC05656

Location

Photo 3



Description: Sewage Lagoon

Photo Log # DSC05680

Location

Photo 4



Description: Temporary Storage of Demolished Debris – View 1



Photo Log # DSC05685

Location

Photo 5



Description: Temporary Storage of Demolished Debris – View 2

Photo Log # DSC05694

Location

Photo 6



Description: Temporary Storage of Demolished Debris – View 3



Photo Log # DSC05705

Location

Photo 7



Description: Temporary Storage of Demolished Debris – View 4

Photo Log # DSC05708

Location

Photo 8



Description: Temporary Storage of Demolished Debris – View 5



Photo Log # DSC05733

Location

Photo 9



Description: Truck Watering Road

Photo Log # DSC05637

Location

Photo 10



Description: Wind Blown Sand Dust – View 1



Photo Log # DSC05825

Location

Photo 11



Description: Wind Blown Sand Dust – View 2

Photo Log # DSC05735

Location

Photo 12



Description: Incinerator for Camp Food Waste



Photo Log # DSC05791

Location

Photo 13



Description: Water Intake – View 1

Photo Log # DSC05792

Location

Photo 14



Description: Water Intake – View 2