



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee		Licensee Representative	
Lupin Mines Incorporated		Dave Hohnstein & Dave Vokey	
Licence No. / Expiry		Representative's Title	
2AM-LUP2032			
Land / Other Authorizations		Land / Other Authorizations	
Date of Inspection		Inspector	
2021 June 24		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 type="checkbox"/> Other:	<input checked="" type="checkbox"/> Reclamation
			<input checked="" 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	Haz/Mat Management		Condition	Comment
Intake/Screen	A	1		Water Management Structures	A	18, 21, 22		Fuel Storage	A	15	
Flow Measure. Device	A	2		Culverts / Bridges				Spills			
Source:				Drainage				Spill Plan			
Water Use:	A	2		Erosion / Sediment				Used Oils Burn-Off	C	14	
Recirculation (y /n)				Mitigation Measures				Administrative			
				Reclamation Activities	A	5 – 11, 18		Records	A	2	
				Materials Storage				Reports			
Waste Disposal				Signage	A	1		Plans			
Waste Water	A	3						Notifications	C	4	
Solid Waste	A	12-13		Monitoring				Other			
Hazardous Waste				Sample Collection / Analysis							
				Monitoring Stations	C	16,17,19&20					
*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 June 24, 2021, I, Baba Pedersen, Resource Management and Water Resource 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.</p> <p>Upon arrival to the site, the Inspector was accompanied by Dave Hohnstein with Discovery Mining Services and John Franklin Kaodloak, CIRNAC Contracted Bear Monitor.</p> <p>The Purpose of the Inspection was the following;</p> <ol style="list-style-type: none">To Inspect Terms and Conditions pertaining to the Water License stated above and additionally to ensure that the Licensee is abiding by named Terms and Conditions within the License Permit.To follow up on the progress made by Discovery Mining Services/LMI on the Reclamation plans for 2021. <p>Due to the ongoing global Covid-19 Pandemic situation, this was a very unique Inspection process. The Inspector 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 Inspector was on the ground at the Lupin Site. John Franklin Kaoudluak and the Inspector followed Dave Hohnstein around the site using their own ATV’s while Dave 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 Inspector was informed that the Camp was opened on April 22, 2021 and that there are currently 37 people on site. Camp capacity is about 80 people although they do not expect to ever have more than 60 to 64 people on site at any one time.</p> <ol style="list-style-type: none">All water is coming from Contwoyto Lake at Sample Station LUP-01 (Photos 1 & 2),Consumption Records provided to the Inspector show YTD Consumption at 19,600 Ltrs,The Sewage Lagoon (Photos 3 & 4) is still partially frozen. Current Freeboard is approximately 1.5 to 2 meters.			



The Inspector asked what has been done so far since the Camp has opened and was told the following; Snow Removal, getting Equipment up and running, Hauling Esker Material from the Fingers Lake Borrow Area to the Cell 3 Stockpile, Maintenance around Camp, Pumping Out the 3rd Party Berm into a Tank on a Truck then into the Crown Pillar open hole, and Pumping Water out of the TCA Cells.

4.The Inspector stressed the importance of LMI/Discovery providing ongoing Notifications to CIRNAC with detailed Timings for all aspects of Reclamation Work planned for this season,

The following “Holes in the Ground” that are scheduled to be Covered/Reclaimed this season were observed;

- 5. The foundation from the old Water Pump House Building (Photo 5) at the Contwoyto Lake Pier
- 6. The Portal (Photo 6) at N 65* 46’ 04.6” and W 111* 13’ 52.0”
- 7. An Open Hole (Photo 7) covered with rubber Tires and a Pallet at N 65* 46’ 00.1” and W 111* 13’ 55.3”
- 8. The Center Zone (Photo 8) adjacent to the West Zone,
- 9. The West Zone (Photo 9) at N 65* 45’ 59.2” and W 111* 14’ 07.7”
- 10. The Main Elevator Shaft (Photo 10) shown with Orange Marker Cone
- 11. The Fresh Air Intake (Photo 11) at N 65* 45’ 53.7” and W 111* 13’ 54.5”

The following Reclamation Areas were also observed;

- 12. The Burn Pit Area (Photo 12)
- 13. The Land Fill Area as seen from the Sewage Lagoon Decant Area (Photo 13), from the Bottom View (Photo 14) and from the Top View (Photo 15)
- 14. The 3rd Party Berm (Photo 16)
- 15. The only 3 Fuel Tanks on site that contain any product in them are; Tank #2 (Photo 17), Tank #4 (Photo 18) and Tank #15 (Photo 19) marked JET A
- 16. Thermistor D1A-00-01S located on Dam 1A (Photo 20) at N 65* 43’ 43.4” and W 111* 18’ 20.2”
- 17. TEROS-12 VWC Sensor C3-1VWC (Photo 21) located on Cell 3 Cover
- 18. Crews Filling/Covering Cell 3 near the L Dam (Photo 22)
- 19. Thermistor D4-3 located on Dam 4 (Photo 23) at N 65* 43’ 02.4” and W 111* 16’ 16.9”
- 20. TEROS-12 VWC Sensor C1-1VWC (Photo 24) located on Cell 1 Cover at N 65* 43’ 40.2” and W 111* 15’ 39.8”
- 21. Pumping Water OUT of Cell 5 (Photo 25) near M Dam, into Pond 1
- 22. Pumping Water INTO Pond 1 (Photo 26) near M Dam, from Cell 5

SECTION 3	<input checked="" type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input checked="" type="checkbox"/> Action Required
1. Adequate Signage, no concerns at this time 2. No Concerns at this time, this is well within allowable limits, 3. Sampling prior to Decant request will happen as soon as the Lagoon is Ice-Free in approximately 1 to 2 weeks, 4. Frequent Regular Schedule Updates are to be provided to the Inspector as soon as available, 5. To be Covered/Reclaimed this season, 6. To be Covered/Reclaimed this season, 7. To be Covered/Reclaimed this season, 8. To be Covered/Reclaimed this season, 9. To be Covered/Reclaimed this season, 10. To be Covered/Reclaimed this season, 11. To be Covered/Reclaimed this season, 12. The Burn Pit Area has not been used as of yet this season, 13. The Land Fill Area has not been used as of yet this season, 14. LMI/Discovery are currently getting Quotes from Companies to bring in an Incinerator and Crew to Burn-Off whatever they can in the 3 rd Party Berm and the rest will be Back Hauled South for proper Disposal via the Ice Road in early 2022. LMI/Discovery to inform the Inspector as soon as a Contractor is Hired for this, 15. Bulk Fuel Storage Tanks #2, #4 and #15 are the only Fuel Tanks on site that contain any Product. Combined they contain an estimated 1.3 Million Litres. 16. Thermistor not working, requires Repair, 17. Sensor is not working, requires Repair, 18. The Crews are Filling/Covering Cell 3 near the L Dam with Esker Material from the Fingers Lake Pit. Prior to the Inspector’s arrival, crews had just completed pumping water OUT of Cell 3, over the L Dam, and INTO Cell 4. 19. Thermistor not working, requires Repair, 20. Sensor is not working, requires Repair, 21. Ongoing Reclamation preparing to complete the Cover on Cell 5 with Esker Material from the Fingers Lake Pit, 22. Ongoing Reclamation preparing to complete the Cover on Cell 5 with Esker Material from the Fingers Lake Pit.			

Licensee or Representative	Inspector’s Name
	Baba Pedersen
Signature	Signature
	Signed Original on File
Date	Date
	2021 July 15

Office Use Only: Follow-up report to be issued by Inspector

☐ Yes ☒ No

cc. CIRNAC, A/Manager of Waters, Iqaluit, sarah.forte@canada.ca

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

CIRNAC, Manager Field Operations, Iqaluit Justin.hack@canada.ca



PHOTO LOG

Date	Camera	Inspector	Authorization
2021 June 24	Sony DSC-HX50V	Baba Pedersen	2AM-LUP2032
Photo Log # DSC06900		Location – Water Intake	

Photo 1



Description: LUP-01 Water Intake Location on Contwoyto Lake

Photo Log # DSC06902

Location – Water Intake

Photo 2



Description: LUP-01 Water Intake Location on Contwoyto Lake



Photo Log # DSC06951

Location – Sewage Lagoon

Photo 3



Description: Sewage Lagoon View 1

Photo Log # DSC06954

Location – Sewage Lagoon

Photo 4



Description: Sewage Lagoon View 2



Photo Log # DSC06906

Location – Contwoyto Lake Pier

Photo 5



Description: Foundation of old Water Pump House Building

Photo Log # DSC06915

Location – Mine Site

Photo 6

N 65° 46' 04.6" W 111° 13' 52.0"



Description: Portal



Photo Log # DSC06927

Location – Mine Site

Photo 7

N 65° 46' 00.1" W 111° 13' 55.3"



Description: Open Hole

Photo Log # DSC06931

Location – Mine Site

Photo 8



Description: The Center Zone



Photo Log # DSC06937

Location – Mine Site

Photo 9

N 65° 45' 59.2" W 111° 14' 07.7"



Description: The West Zone

Photo Log # DSC06940

Location – Mine Site

Photo 10



Description: The Elevator Main Shaft, shown with Orange Pylon (at the time of the photo it was unsafe for me to get any closer due to active Cover Work)

Photo Log # DSC06943

Location – Mine Site

Photo 11

N 65° 45' 53.7" W 111° 13' 54.5"



Description: Fresh Air Intake, covered with Metal Plate, Boulders & 2 Tires

Photo Log # DSC06970

Location – Mine Site

Photo 12



Description: Burn Pit Area



Photo Log # DSC06957

Location – Mine Site

Photo 13



Description: Land Fill Area (View from Sewage Lagoon Decant Area)

Photo Log # DSC06986

Location – Mine Site

Photo 14



Description: Land Fill Area – Bottom View



Photo Log # DSC07001

Location – Mine Site

Photo 15



Description: Land Fill Area – Top View

Photo Log # DSC07014

Location – Mine Site

Photo 16



Description: 3rd Party Berm



Photo Log # DSC07023

Location – Mine Site

Photo 17



Description: Fuel Storage Tank #2

Photo Log # DSC07024

Location – Mine Site

Photo 18



Description: Fuel Storage Tank #4



Photo Log # DSC07029

Location – Mine Site

Photo 19



Description: Fuel Storage Tank #15 (Labeled JET A)

Photo Log # DSC07045

Location - TCA

Photo 20

N 65° 43' 43.4" W 111° 18' 20.2"



Description: Thermistor D1A-00-01S located on DAM 1A



Photo Log # DSC07062

Location - TCA

Photo 21



Description: TEROS-12 VWC Sensor C3-1VWC located on the Cell 3 Cover

Photo Log # DSC07074

Location - TCA

Photo 22



Description: Crews Filling/Covering Cell 3 near the L Dam

Photo Log # DSC07080

Location - TCA

Photo 23

N 65° 43' 02.4" W 111° 16' 16.9"



Description: Thermistor D4-3 located on Dam 4

Photo Log # DSC07088

Location - TCA

Photo 24

N 65° 43' 40.2" W 111° 15' 39.8"



Description: TEROS-12 VWC Sensor C1-1VWC located on Cell 1 Cover

Photo Log # DSC07097Location - TCA

Photo 25



Description: Pumping Water out of Cell 5, near the M Dam, into Pond 1

Photo Log # DSC07105Location - TCA

Photo 26



Description: Pumping Water into Pond 1, near the M Dam, from Cell 5