



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee		Licensee Representative	
CIRNAC Contaminated Sites		Mark Yetman	
Licence No. / Expiry		Representative's Title	
2017-02-A1-04			
Land / Other Authorizations		Land / Other Authorizations	
Date of Inspection		Inspector	
2021 August 20		Baba Pedersen	
Activities Inspected			
<input 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: Site Stabilization	<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	Haz/Mat Management		Condition	Comment
Intake/Screen				Water Management Structures		A	All	Storage			
Flow Measure. Device				Culverts / Bridges				Spills			
Source:				Drainage				Spill Plan			
Water Use:				Erosion / Sediment							
Recirculation (y /n)				Mitigation Measures		A	All	Administrative			
				Reclamation Activities				Records			
				Materials Storage				Reports			
Waste Disposal				Signage				Plans			
Waste Water								Notifications		A	
Solid Waste				Monitoring				Other			
Hazardous Waste				Sample Collection / Analysis							
*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 Friday August 20, 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 (CIRNAC Contaminated Sites) of Nunavut Water Board Authorization Without a License Number 2017-02-A1-04 issued for the Stabilization of the Abandoned Jericho Mine Site located at approximately N 65° 59' and W 111° 27' in the Kitikmeot Region of the Territory of Nunavut.</p> <p>Upon arrival to the site, the Inspector was accompanied by Wynter Blais from the Kitikmeot Inuit Association. Mark Yetman, Michael Bernardin, Andy Uyarrai and Henry Wong from CIRNAC Contaminated Sites showed us around the Mine Site.</p> <p>The Purpose of the Inspection was the following;</p> <p>To check the status of the Stabilization Efforts of the Jericho Mine Site as per the conditions set out in the Authorization Without a License as issued by the Nunavut Water Board.</p> <p>Due to the ongoing global Covid-19 Pandemic situation, this was a unique Inspection process. The Inspector flew in to the site on an Air Charter. Air Charters are 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 Jericho Mine Site.</p> <p>The Foot Print of the Jericho Mine Site sits on both Inuit Owned Lands (IOL) and Crown Lands. This Report only deals with the Areas that are on Crown Lands.</p>			
SECTION 2	<input checked="" type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> Action Required
<p>The following is a list of Specific Locations Observed and Observations Made during this Inspection;</p> <p>1 Fly-Over of the Jericho Mine Site Area (Photos 1 & 2)</p> <p>Aerial Photos of the Camp are as shown</p> <p>2 West Dam (Photo 3 to 6)</p> <p>The Breach in the West Dam is complete and water from Long Lake is naturally flowing through the rocks into the natural environment.</p> <p>3 Long Lake (aka PKCA Cell 2 and/or Cells B & C) (Photos 7 to 10)</p> <p>Measuring the water surface height of Long Lake is done from a Bolt embedded into the Rocks on the North Shore. Current measurement is at approximately 9 Inches. CIRNAC Contaminated Sites estimates that this is about as high as the water level will get</p>			



4 Divider Dyke (Photos 11 to 14)

Runoff Water is going through the Filter Dyke from the PKCA Cell 1 to Cell 2 (Long Lake) as it was designed to do

5 Processed Kimberlite Containment Area (aka PKCA Cell 1 and/or Cell A) (Photos 15 to 21)

The entire PKCA Cell 1 area has been covered with a minimum of 30 cm of Course Tailings

6 Pit Lake (Photos 22 to 24)

CIRNAC Contaminated Sites estimates that the Water Level in the Pit Lake has gone up approximately 5 Meters since last year

7 Pit Lake Inflow Area (Photos 25 & 26)

The Diversion to allow natural drainage INTO the Pit Lake is complete

8 Pit Lake Outflow Area (Photo 27)

The Diversion to allow natural drainage OUT OF the Pit Lake and into Carat Lake is complete

9 Jetty (Photo 28)

The Water Pump Shack has been moved off of the Jetty and up to higher ground as seen in Photo 28

SECTION 3



Comments



Non-Compliance with Act or Licence



Action Required

All work to Stabilize the Jericho Mine Site has been completed

All aspects of the Stabilization Efforts appear to be working as intended

Ongoing Monitoring and Inspections will continue to ensure Stabilization Efforts are successful for the long term

Licensee or Representative	Inspector's Name
	Baba Pedersen
Signature	Signature
	Signed Original on File
Date	Date
	2021 December 20

Office Use Only:

Follow-up report to be issued by Inspector



Yes



No

cc. CIRNAC, Manager Field Operations, Iqaluit, justin.hack@rcaanc-cirnac.gc.ca

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

Kitikmeot Inuit Association, Senior Lands Officer, Kugluktuk, srlands@kitia.ca



PHOTO LOG

Date	Camera	Inspector	Authorization
August 20, 2021	Nikon Coolpix W300	Baba Pedersen	2017-02-A1-04
Photo Log # DSCN0331			
Photo 1			
Description: Aerial View 1 of Jericho Mine Buildings, Fuel tanks and Course PK Stockpile			
Photo Log # DSCN0332			
Photo 2			
Description: Aerial View 2 of Jericho Mine Buildings, Fuel tanks and Course PK Stockpile			



Photo Log # DSCN0324

Photo 3



Description: Aerial View of the West Dam – View is from the South Side looking North

Photo Log # DSCN0365

Photo 4



Description: Outflow side of West Dam, looking West to Lake C3



Photo Log # DSCN0361

Photo 5



Description: View of the West Dam – from standing on the South side looking North – Notice the Caribou in the center of the photo on far side

Photo Log # DSCN0368

Photo 6



Description: View of the West Dam – Upstream (East) Side – as seen from standing on the South side



Photo Log # DSCN0369

Photo 7



Description: View of Long Lake (PKCA Cell 2) as seen from Looking East from the West Dam

Photo Log # DSCN0371

Photo 8



Description: View of Long Lake (PKCA Cell 2) as seen from looking West from the Divider Dyke



Photo Log # DSCN0395

Photo 9



Description: Measuring the Level of Water to the Rock Bolt on the North Shore of Long Lake (PKCA Cell 2)

Photo Log # DSCN0397

Photo 10



Description: Measurement from the Rock Bolt to the Water Line of Long Lake (PKCA Cell 2) showing at approximately 9 inches



Photo Log # DSCN0325

Photo 11



Description: Aerial View 1 of the Divider Dyke as seen from the South Side looking North

Photo Log # DSCN0328

Photo 12



Description: Aerial View 2 of the Divider Dyke as seen from the South Side looking North



Photo Log # DSCN0377

Photo 13



Description: Divider Dyke – West Side Slope

Photo Log # DSCN0378

Photo 14



Description: Divider Dyke – Top and East Side Slope



Photo Log # DSCN0329

Photo 15



Description: Aerial View 1 of the Mine Site Buildings and PKCA in the foreground

Photo Log # DSCN0330

Photo 16



Description: Aerial View 2 of the Mine Site Buildings and PKCA in the foreground



Photo Log # DSCN0334

Photo 17



Description: Aerial View of the PKCA in the foreground and Long Lake (PKCA Cell 2) in the background – view is looking West

Photo Log # DSCN0380

Photo 18



Description: PKCA (Cell 1) as seen looking East from on top of the Divider Dyke



Photo Log # DSCN0414

Photo 19



Description: PKCA (Cell 1) – View 1 – East End looking North

Photo Log # DSCN0413

Photo 20



Description: PKCA (Cell 1) – View 2 – East End looking West



Photo Log # DSCN0417

Photo 21



Description: PKCA (Cell 1) – View 3 – East End looking South

Photo Log # DSCN0430

Photo 22



Description: Pit Lake – View 1 from South Eastern Side



Photo Log # DSCN0432

Photo 23



Description: Pit Lake – View 2 from South Eastern Side

Photo Log # DSCN0433

Photo 24



Description: Pit Lake – View 3 from South Eastern Side



Photo Log # DSCN0338

Photo 25



Description: Aerial view of Built Up In-Flow Area - flow will be going INTO Pit Lake

Photo Log # DSCN0436

Photo 26



Description: View of Built Up In-Flow Area - flow will be going INTO Pit Lake – view from across Pit Lake on the South Eastern side



Photo Log # DSCN0439

Photo 27



Description: View of the built up Out-Flow Area of Pit Lake on the North Side as seen from the South-East Side

Photo Log # DSCN0341

Photo 28



Description: Aerial view of the Jetty as seen from the East Side looking West