Revised Annual Report for MV2020L2-0002, Class B

Water Management Area Northwest Territories

March 2024

Submitted by:

Sixty North Gold Mines Ltd.

D.R.Webb

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|---|-----------|
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Revisions

| No. | Торіс | Reviewer Comment | Reviewer Recommendation | Proponent Response | | |
|---------|-------------|------------------|-------------------------|--------------------|--|--|
| This re | This report | | | | | |

Introduction

MV2020L2-0002 allows for the use Water and dispose of Waste for the mining and milling associated with the mineral exploration at the Mon Gold Mine, as described in the complete application and the additional information submitted during the regulatory process, including the following:

- a. Withdrawal and use of Water from Discovery Lake;
- b. Milling facilities and infrastructure;
- c. Construction, use, and maintenance of the Sewage Treatment Plant;
- d. Construction, use, and maintenance of the Dry Stack Tailings Facility;
- e. Construction, use, and maintenance of an all-weather road to the Dry Stack Tailings Facility;
- f. Additional trailer to existing camp; and
- g. Fuel storage.

and requires additional compliance conditions. This report is prepared according to the Mackenzie Valley Land and Water Board's March 2012 Document Submission Standards.

No activities occurred on the property in 2023.

Summary of Project Activities

No water was discharged from the mine and no mining activities were conducted.

Underground workings were established to 17 m below historic stopes in 2021 with a previously undocumented stope identified at this elevation. The void is 11 m high leaving an estimated 6 m crown pillar, and an estimated 1,100 tonnes of vein material had been extracted by previous operators. An examination of the workings identified ice build up from frost on the walls and from minor ingress of water near the portal forming an ice dam halting water ingress. No work was completed in 2022. Wildfires precluded work in 2023.

Updated Project Schedule

A watchman is on site during winter access season to minimize thefts from the property. A court action against two individuals for a theft on the property in 2022 was settled in 2023.

It is planned to commence mobilization of personnel to the property in late spring or early summer each year to commence continue mining operations. This will extend the existing North Ramp an additional 200 m with 100 m in associated cross cuts, scram drifts and raises. Safety stations will be installed and scram drifts will be driven into the A-Zone vein where stopes will be developed. 1.5m x 1.5 m raises will be driven into the vein at appropriate locations to be determined from the scram drifts.

The waste rock will continue to be assessed as per the Waste Rock Management and Geochemical Characterization Plan and used as approved.

Mineralized vein material will be assessed and separately stockpiled in preparation for processing.

Operations will take approximately 250 days after which the operations will be shutdown in preparation for the 2025 winter road resupply season.

The wildfires in 2023 forced a cessation of activities for all of 2023. The wildfire swept though the property in August and destroyed the trailer camp, two pick up trucks, a quad and miscellaneous equipment. The mining area was not affected.

In 2024 it is planned to collect a bulk sample of mineralization and place it on surface for assessment.

In 2025 it is expected that a nominal 100 tpd mill will be mobilized to the property together with supplies to process the material extracted in 2023 as well as support for ongoing operations. The mill would not be operational until the summer of 2025.

Mining and milling will continue until there is no further economically viable material to mine and process. This may exceed 20 years. Reclamation will be continual as possible, and ultimately in the last year and the next for final reclamation and abandonment as approved in the Reclamation and Abandonment Plan.

Water Usage

A total water usage in 2023 of 0 m³ was recorded as shown on the table below.

| Date | Water in Camp | Water in Mine | Other Water | comment | Total Water Used | Cumulative |
|----------|------------------|------------------|----------------|----------|---------------------|------------|
| Dec-22 | 0 | 0 | 0 | inactive | 0 | 0 |
| Jan-23 | 0 | 0 | 0 | inactive | 0 | 0 |
| Feb-23 | 0 | 0 | 0 | inactive | 0 | 0 |
| Mar-23 | 0 | 0 | 0 | inactive | 0 | 0 |
| April-23 | 0 | 0 | 0 | Inactive | 0 | 0 |
| May-23 | 0 | 0 | 0 | Inactive | 0 | 0 |
| Jun-23 | 0 | 0 | 0 | Inactive | 0 | 0 |
| July-23 | 0 | 0 | 0 | Inactive | 0 | 0 |
| Aug-23 | 0 | 0 | 0 | inactive | 0 | 0 |
| Sept-23 | 0 | 0 | 0 | inactive | 0 | 0 |
| Oct-23 | 0 | 0 | 0 | inactive | 0 | 0 |
| Nov-23 | 0 | 0 | 0 | inactive | 0 | 0 |
| Dec-23 | 0 | 0 | 0 | inactive | 0 | 0 |

Table 1. Table of water usage in cubic metres in 2022.

Note: No activities in 2023

Field Verification of Water Depths

No water was extracted.

Calibration and Status of Installed Meters.

No water was extracted.

Engagement Activities

Since the issuance of this license, the following engagements have occurred:

Initially, this was to follow-up on suggestions from the Yellowknife's concerning a potential Heritage Study and its design, execution and results, later discussions were dominated by project updates, and lastly consultations focused on expansion of the project area to explicitly include the Mineral Claims. The last consultations focused on extension of the Land Use Permit.

| Table 2. | Community | consultation | summary. |
|----------|-----------|--------------|----------|
|----------|-----------|--------------|----------|

| Data | Community in | Cartan | Issues Raised by Affected | Recommendation | Colution | Discussion |
|------------------|--------------|-------------------------------|------------------------------|-------------------|----------|-------------------------|
| Date | Community | Contact | Party | by affected party | Solution | Discussion Introduce |
| June 1, 2020 | Yk | communications@yellowknife.ca | None | None | None | renewal |
| | IN | communications@yenowkinte.ca | NOTE | NOTE | None | TEHEWAI |
| June 17, 2020 | ҮК | Brooklyn, EA to Mayor | None | None | None | Left message |
| | | | | | | Discuss project |
| June 17, | | | | | | history, confirm |
| 2020 | YK | Brooklyn | None | None | None | email addresses |
| | | | | | | re-introduce |
| | | | | | | project, cc to |
| | | | | | | SWF for letter |
| June 17, | | | | | | confirming |
| 2020 | YK | Brooklyn | None | None | None | receipt of ash. |
| January 4, | | | | | | Reach out for |
| 2021 | Tlicho | Zaby Nevitt | None | None | None | updates |
| June 7, | | | | | | Reach out for |
| 2021 | Tlicho | Violet Camsell-Blondin | None | None | None | updates |
| June 7, | | | | | | Suggest |
| 2021 | YKDFN | Sarah Gilllis | None | None | None | meeting |
| June 7, | | | | | | Suggest |
| 2021 | YKDFN | Sarah Gilllis | None | None | None | meeting |
| July 13, | | | | | | Maybe meet on |
| 2021 | YKDFN | Sarah Gilllis | None | None | None | the 15th. |
| | | | | | | Reach out. In |
| July 14, | | | | | | town for |
| 2021 | YKDFN | Sarah Gillis | None | None | None | discussions |
| August 14, | | | | | | |
| 2021 | YKDFN | Femi Baiyewun | Contact | None | | Left message |
| August 15, | | | | | | Reach out, |
| 2021 | YKDFN | Sarah Gillis | None | None | None | check on Femi |
| September | | | Status of | | | |
| 29, 2021 | YKDFN | Femi Baiyewun and AB | application | None | reply | |
| September | | | | | | |
| 30, 2021 | YKDFN | Femi Baiyewun | Update | None | reply | Left message |
| October 2, | | | | | | |
| 2021 | YKDFN | Femi Baiyewun | Update | None | reply | no notes |
| November | | | | | | |
| 5, 2021 | YKDFN | Femi Baiyewun and AB | Update | None | reply | please reply |
| November | | | | | | Update plans to |
| 5, 2021 | YKDFN | Femi Baiyewun and AB | Update | None | reply | revise |
| November | | | | | | |
| 5, 2021 | YKDFN | Femi Baiyewun and AB | Update | None | reply | What schedule? |
| November | | | | | | Schedule |
| 5, 2021 | YKDFN | Femi Baiyewun and AB | Update | None | reply | provided. |
| December | | | | | | CRP provided, |
| 3, 2021 | Tlicho | Violet Camsell-Blondin | Update | None | reply | amend fuel 120 |

| | | | | 1 | | to 150 and then |
|---------------------|---------|--------------------------------|-----------------|------|--------|---------------------------|
| | | | | | | 200 |
| December | | | | | | Amend fuel 120 |
| 3, 2021 | | | | | | to 150 and then |
| | YK | Paula and Admin | Update | None | reply | 200 |
| December | | | | | | Amend fuel 120 |
| 3, 2021 | | | | | | to 150 and then |
| | YK | Sheila Bassi-Kellett and Admin | Congratulations | None | reply | 200 |
| December | | | | | | CRP provided, |
| 3, 2021 | | | | | | amend fuel 120 |
| | | | | | | to 150 and then |
| | YKDFN | Femi Baiyewun and AB | Update | None | reply | 200 |
| December | | | | | | Amend fuel 120 |
| 7, 2021 | | | | | | to 150 and then |
| - | NWTMN | Tim Heron | Update | None | reply | 200 |
| January 4, | | | Soil | | | |
| 2022 | YKDFN | Femi Baiyewun | Permeability | None | reply | Call to discuss |
| | | | | | / | Amend fuel 120 |
| January 5, | | | | | | to 150 and then |
| 2022 | NSMA | Jessica Hurtubise | Update | None | reply | 200 |
| 2022 | | | opuate | | . cp.y | Introduce |
| January 7, | | Noah Johnson phone 613 804- | | | | NDM, Mon, |
| 2022 | NSMA | 2668 | Introduction | None | reply | DRW. |
| | INSIVIA | 2008 | | None | теріу | Was NSMA |
| January 13, 2022 | | Noah Johnson | Comments on | Nono | ronh | |
| 13, 2022 | NSMA | | AOA | None | reply | involved in AOA |
| 1 | | Noah Johnson | | | | No NSMA, but |
| January | | | | | | happy to share |
| 13, 2022 | NSMA | | AOA | None | reply | results |
| January | | Noah Johnson | | | | Did we follow |
| 17, 2022 | NSMA | | AOA | None | reply | up on an AIA. |
| | | Noah Johnson | | | | No we did not |
| | | | | | | do an AIA. |
| January | | | | | | Update on near |
| 17, 2022 | NSMA | | AOA | None | reply | term plans. |
| | | Noah Johnson | | | | Has there been |
| January | | | | | | any folllow up |
| 17, 2022 | NSMA | | AOA | None | reply | on AOA |
| | | Noah Johnson | | | | No follow up as |
| | | | | | | nothing of |
| | | | | | | significance |
| | | | | | | was found. We |
| | | | | | | operate in |
| | | | | | | small footprint |
| | | | | | | of disturbed |
| January | | | | | | ground except |
| 17, 2022 | NSMA | | AOA | None | reply | for DST facility |
| January | | Noah Johnson | | | | Can we call to |
| 18, 2022 | NSMA | | AOA | None | reply | discuss? |
| January | | Noah Johnson | | | | |
| 18, 2022 | NSMA | | AOA | None | reply | Let's set it up |
| January | | Noah Johnson | | | | |
| 20, 2022 | NSMA | | AOA | None | reply | Speak on 26 th |
| | T | Noah Johnson | | T | | Confirmed for |
| January | | | | | | the 26th. Set |
| 20, 2022 | NSMA | | AOA | None | reply | time for 12:15 |
| | | Noah Johnson | | | I 1 | General |
| January | | | | | | discussion, |
| 26, 2022 | NSMA | | | None | reply | introductions |
| February | | | | | 10019 | No Trespassing |
| 2, 2022 | YKDFN | Johanne Black | | None | reply | Sign |
| -, 2022 | | | | | i cpiy | No Trespassing |
| | | | | | | Sign. Femi |
| | | | | | | gone, Ryan |
| February | | | | | | Miller, Kieron |
| 2, 2022 | YKDFN | Johanne Black | | None | reply | Testart |
| 2,2022 | | | | NUTE | reply | restart |

| February | | 1 | 1 | 1 | 1 | Confirm |
|---|--|---|----------------------------------|---|-------|---|
| · coroury | | | Signage | | | translation is |
| 3, 2022 | YKDFN | Ryan Miller | translation | None | reply | correct |
| February | | Ryan Miller | | | | Confirm from |
| 3, 2022 | YKDFN | , | Signage | None | reply | Minesite |
| February | | Ryan Miller | | | | |
| 3, 2022 | YKDFN | | Signage | None | reply | Keep in touch |
| February | | Ryan Miller | | | | Capital Signs |
| 4, 2022 | YKDFN | | Signage | None | reply | mock up |
| | | Ryan Miller | | | | Confirming |
| | | | | | | costs for |
| February | | | | | | member |
| 4, 2022 | YKDFN | | Signage | None | reply | translation |
| February | | Ryan Miller | | Who translated | | |
| 11, 2022 | YKDFN | | Signage | | reply | Will confirm |
| February | | Ryan Miller | | Who translated | | Translation |
| 11, 2022 | YKDFN | | Signage | | reply | completed |
| February | | Ryan Miller | | Who translated | | Translation by |
| 11, 2022 | YKDFN | | Signage | | reply | whom. |
| February | | Ryan Miller | | | | |
| 11, 2022 | YKDFN | | Signage | Who translated | reply | Will confirm |
| | | Ryan Miller | | | | Confirmed |
| February | | | | | | Denis Drygeese |
| 11, 2022 | YKDFN | | Signage | Language | reply | translated. |
| May 3, | | | | | | |
| 2022 | NSMA | email from | Noah Johnson | Visit this summer | | Any schedule |
| May 4, | | | | | | Still on, will |
| 2022 | NSMA | email to | Noah Johnson | Visit this summer | | keep appraised |
| May 10, | | | | | | |
| 2022 | Tlicho | email to Violet Camsell-Blondin | VC-B | Update | None | |
| May 10, | | | | | | |
| | YKDFN | email to | RM | Update offer | | |
| June 16, | | | | | | |
| 2022 | NSMA | email to | Noah Johnson | Visit this summer | | Trip update |
| June 16, | | | | | | Thanks, busy |
| 2022 | NSMA | email from | Noah Johnson | Visit this summer | | until July. |
| | | | | | | As |
| June 21, | VKDEN | | DN4 | lindata offer | | recommended |
| 2022 | YKDFN | email to | RM | Update offer | | by the MVLWB |
| | | | | | | As |
| 1 1 4 0 | | | | | | |
| July 18, | | Call to Duan (04.972.9051 | DM | Disquestisques | | recommended |
| 2022 | YKDFN | Call to Ryan 604 873-8951 | RM | Discuss issues | | by the MVLWB |
| 2022 July 18, | | | | | | by the MVLWB Set for July 20 4 |
| 2022 July 18, 2022 | YKDFN YKDFN | Call to Ryan 604 873-8951 Call from Ryan | RM RM | Discuss issues Discuss issues | | by the MVLWB Set for July 20 4 pm |
| 2022 July 18, 2022 July 20, | YKDFN | Call from Ryan | RM | Discuss issues | | by the MVLWB Set for July 20 4 pm Set follow-up |
| 2022 July 18, 2022 July 20, | | | | | | by the MVLWB Set for July 20 4 pm Set follow-up for August 9 |
| 2022 July 18, 2022 July 20, 2022 | YKDFN | Call from Ryan | RM | Discuss issues | | by the MVLWB Set for July 20 4 pm Set follow-up for August 9 Postponed until |
| 2022 July 18, 2022 July 20, 2022 August 9, | YKDFN YKDFN | Call from Ryan Call from Ryan | RM RM | Discuss issues Discuss Signage | | by the MVLWB Set for July 20 4 pm Set follow-up for August 9 Postponed until August 11, 1 |
| 2022 July 18, 2022 July 20, 2022 August 9, 2022 | YKDFN | Call from Ryan | RM | Discuss issues | | by the MVLWB Set for July 20 4 pm Set follow-up for August 9 Postponed until August 11, 1 pm |
| 2022 July 18, 2022 July 20, 2022 August 9, 2022 August 11, | YKDFN YKDFN YKDFN | Call from Ryan Call from Ryan Call from Ryan | RM RM RM | Discuss issues Discuss Signage Discuss Signage | | by the MVLWB Set for July 20 4 pm Set follow-up for August 9 Postponed until August 11, 1 pm Postponed until |
| 2022 July 18, 2022 July 20, 2022 August 9, 2022 August 11, 2022 | YKDFN YKDFN | Call from Ryan Call from Ryan | RM RM | Discuss issues Discuss Signage | | by the MVLWB Set for July 20 4 pm Set follow-up for August 9 Postponed until August 11, 1 pm Postponed until later |
| 2022 July 18, 2022 July 20, 2022 August 9, 2022 August 11, 2022 September | YKDFN YKDFN YKDFN YKDFN | Call from Ryan Call from Ryan Call from Ryan Call from Ryan | RM RM RM RM | Discuss issues Discuss Signage Discuss Signage Discuss Signage | | by the MVLWB Set for July 20 4 pm Set follow-up for August 9 Postponed until August 11, 1 pm Postponed until later Inform of |
| 2022 July 18, 2022 July 20, 2022 August 9, 2022 August 11, 2022 September 1, 2022 | YKDFN YKDFN YKDFN | Call from Ryan Call from Ryan Call from Ryan | RM RM RM | Discuss issues Discuss Signage Discuss Signage | | by the MVLWB Set for July 20 4 pm Set follow-up for August 9 Postponed until August 11, 1 pm Postponed until later |
| 2022 July 18, 2022 July 20, 2022 August 9, 2022 August 11, 2022 September 1, 2022 September | YKDFN YKDFN YKDFN YKDFN YKDFN | Call from Ryan Call from Ryan Call from Ryan Call from Ryan Email from Ryan | RM RM RM RM | Discuss issues Discuss Signage Discuss Signage Discuss Signage Trip to Yk | | by the MVLWB Set for July 20 4 pm Set follow-up for August 9 Postponed until August 11, 1 pm Postponed until later Inform of schedule |
| 2022 July 18, 2022 July 20, 2022 August 9, 2022 August 11, 2022 September 1, 2022 September | YKDFN YKDFN YKDFN YKDFN | Call from Ryan Call from Ryan Call from Ryan Call from Ryan | RM RM RM RM RM | Discuss issues Discuss Signage Discuss Signage Discuss Signage | | by the MVLWB Set for July 20 4 pm Set follow-up for August 9 Postponed until August 11, 1 pm Postponed until later Inform of schedule Trip Planned |
| 2022 July 18, 2022 July 20, 2022 August 9, 2022 August 11, 2022 September 1, 2022 September | YKDFN YKDFN YKDFN YKDFN YKDFN | Call from Ryan Call from Ryan Call from Ryan Call from Ryan Email from Ryan | RM RM RM RM RM | Discuss issues Discuss Signage Discuss Signage Discuss Signage Trip to Yk | | by the MVLWB Set for July 20 4 pm Set follow-up for August 9 Postponed until August 11, 1 pm Postponed until later Inform of schedule Trip Planned Schedule this |
| 2022 July 18, 2022 July 20, 2022 July 20, 2022 August 9, 2022 August 11, 2022 September 1, 2022 September 1, 2022 September 1, 2022 September 1, 2022 | YKDFN YKDFN YKDFN YKDFN YKDFN | Call from Ryan Call from Ryan Call from Ryan Call from Ryan Email from Ryan | RM RM RM RM RM | Discuss issues Discuss Signage Discuss Signage Discuss Signage Trip to Yk | | by the MVLWB Set for July 20 4 pm Set follow-up for August 9 Postponed until August 11, 1 pm Postponed until later Inform of schedule Trip Planned Schedule this week and next |
| 2022 July 18, 2022 July 20, 2022 August 9, 2022 August 11, 2022 September 1, 2022 September 1, 2022 September | YKDFN YKDFN YKDFN YKDFN YKDFN YKDFN | Call from Ryan Call from Ryan Call from Ryan Call from Ryan Email from Ryan Email to Ryan | RM RM RM RM RM RM | Discuss issues Discuss Signage Discuss Signage Discuss Signage Trip to Yk Trip to Yk | | by the MVLWB Set for July 20 4 pm Set follow-up for August 9 Postponed until August 11, 1 pm Postponed until later Inform of schedule Trip Planned Schedule this week and next by phone or |
| 2022 July 18, 2022 July 20, 2022 August 9, 2022 August 11, 2022 September 1, 2022 September 1, 2022 September 1, 2022 | YKDFN YKDFN YKDFN YKDFN YKDFN | Call from Ryan Call from Ryan Call from Ryan Call from Ryan Email from Ryan | RM RM RM RM RM | Discuss issues Discuss Signage Discuss Signage Discuss Signage Trip to Yk | | by the MVLWB Set for July 20 4 pm Set follow-up for August 9 Postponed until August 11, 1 pm Postponed until later Inform of schedule Trip Planned Schedule this week and next by phone or zoom |
| 2022 July 18, 2022 July 20, 2022 August 9, 2022 August 11, 2022 September 1, 2022 September 1, 2022 September 1, 2022 September 1, 2022 September 1, 2022 | YKDFN YKDFN YKDFN YKDFN YKDFN YKDFN | Call from Ryan Call from Ryan Call from Ryan Call from Ryan Email from Ryan Email to Ryan Email to Ryan | RM RM RM RM RM RM | Discuss issues Discuss Signage Discuss Signage Discuss Signage Trip to Yk Trip to Yk Trip to Yk | | by the MVLWB Set for July 20 4 pm Set follow-up for August 9 Postponed until August 11, 1 pm Postponed until later Inform of schedule Trip Planned Schedule this week and next by phone or zoom Could be |
| 2022 July 18, 2022 July 20, 2022 August 9, 2022 August 11, 2022 September 1, 2022 September 1, 2022 September 1, 2022 September 1, 2022 September 1, 2022 | YKDFN YKDFN YKDFN YKDFN YKDFN YKDFN | Call from Ryan Call from Ryan Call from Ryan Call from Ryan Email from Ryan Email to Ryan | RM RM RM RM RM RM | Discuss issues Discuss Signage Discuss Signage Discuss Signage Trip to Yk Trip to Yk | | by the MVLWB Set for July 20 4 pm Set follow-up for August 9 Postponed until August 11, 1 pm Postponed until later Inform of schedule Trip Planned Schedule this week and next by phone or zoom |

| September | | | 1 | 1 | 1 | Inform of |
|----------------------|-----------------|---------------------------------|--------------------|----------------------------|-------------|-----------------|
| 7, 2022 | YKDFN | Email to Ryan | RM | Trip to Yk | | schedule |
| September 7, 2022 | NSMA | Email from Noah Johnson | NJ, MW, JH | Trip to Yk | | Can we meet |
| September | | | | | | Schedule |
| 7, 2022 | NSMA | Email to Noah Johnson | NJ, MW, JH | Trip to Yk | | provided |
| 2023-03- | | | | | | Confirm |
| 18 | Yellow Dog | Gord Ginn | | | | plan/operations |
| 2023-05- | | | | | | |
| 04 | Yellow Dog | Gord Ginn | | | | Confirm dates |
| 2023-06- | T 11 - 1 | | | | | |
| 02 2023-07- | Tlicho | Violet Camsel-Blondin | | | | email update |
| 05 | Yellow Dog | Gord Ginn | | | | Touch Base |
| 2023-07- | | | | | | 1000112000 |
| 11 | Yellow Dog | Gord Ginn | | | | email update |
| 2023-07- | _ | | | | | |
| 12 | Tlicho | Grace MacKenzie | | | | Connect |
| 2023-07- | | | Lands, GM, V | | | Require writter |
| 17 | Tlicho | Jessica Pacunayen, | СВ | email list | | response |
| 2023-07- | | | Lands, GM, V | | | Respond in |
| 17 | Tlicho | Jessica Pacunayen | СВ | De la tables | email list | writing |
| 2023-07- | | | Lands GM V | Review tables before | | Respond in |
| 2023-07- 19 | Tlicho | Jessica Pacunayen | Lands, GM, V CB | submission | email list | writing |
| 2023-07- | Theno | | 65 | 300111331011 | emainist | writing |
| 20 | Yellow Dog | Gord Ginn | | | | Confirm flights |
| - | | | | | Confirm at | 0.00 |
| 2023-07- | | | Lands, GM, V | Discuss | appropriate | |
| 20 | Tlicho | Jessica Pacunayen | СВ | employment | time | |
| 2023-07- | | | Lands, GM, V | Discuss | | |
| 21 | Tlicho | Jessica Pacunayen | СВ | employment | Appreciated | |
| | | | | Add camp and | | |
| 2023-10- | The | | Lands, GM, V | associated | | |
| 19 | Tlicho | Jessica Pacunayen | СВ | impacts | | |
| 2023-10- | | | | Add camp and associated | | |
| 19 | Yellow Dog | To Gord Ginn | | impacts | | |
| 15 | Tenow Dog | | | Add camp and | | |
| 2023-10- | | | | associated | | |
| 19 | YKDFN | Email to Ryan | RM | impacts | | |
| | | | | Add camp and | | |
| 2023-10- | | | | associated | | |
| 19 | NSM | Email to Noah Johnson | NJ, MW, JH | impacts | | |
| | | | | Add camp and | | |
| 2023-10- | | En la factoria Marcha La basera | | associated | | N |
| 19 | NSM | Email from Noah Johnson | NJ, MW, JH | impacts Add camp and | | No issues |
| 2023-10- | | | | associated | | What's our |
| 19 | Yellow Dog | from Gord Ginn | | impacts | | timing? |
| 10 | | | | Add camp and | | No idea on |
| 2023-10- | | | | associated | | timing of |
| 19 | Yellow Dog | To Gord Ginn | | impacts | | permit |
| 2023-10- | | | | | | |
| 24 | NSMA | Email to Noah Johnson | NJ, MW, JH | Trip to Yk | | |
| 2023-10- | | | | | | |
| 24 | YKDFN | Email to Ryan | RM | Trip to Yk | | |
| 2023-10- | | | Lands, GM, V | | | l . |
| 24 | Tlicho | Jessica Pacunayen | CB | Update | None | reply |
| 2023-10- 24 | Tlicho | Jassica Pacunavan | Lands, GM, V CB | Update | None | renly |
| 24 | | Jessica Pacunayen | | Yellowknife | NOTE | reply |
| | 1 | | | | 1 | |
| 2023-10- | | | Lands, GM, V | Geoscience | | Available for |

| 2023-10- | | | | Yellowknife Geoscience | Available for |
|----------|--------|-----------------------|--------------|---------------------------|------------------|
| 30 | YKDFN | Email to Ryan | RM | Forum | meetings |
| | | | | Yellowknife | |
| 2023-10- | | | | Geoscience | Available for |
| 30 | NSM | Email to Noah Johnson | NJ, MW, JH | Forum | meetings |
| | | | | | Asking for input |
| 2024-01- | | | | | to prepare a |
| 31 | YKDFN | Email to Ryan | RM | Clean up camp | plan |
| | | | | | Asking for input |
| 2024-01- | | | | | to prepare a |
| 31 | NSM | Email to Noah Johnson | NJ, MW, JH | Clean up camp | plan |
| | | | | | Asking for input |
| 2024-01- | | | Lands, GM, V | | to prepare a |
| 31 | Tlicho | Jessica Pacunayen | CB | Clean up camp | plan |
| | | | | | Introduce |
| 2024-03- | | | | | myself and |
| 05 | YKDFN | Chief E. Betsina | at PDAC | | project |
| | | | | | Introduce |
| 2024-03- | | | | | myself and |
| 05 | NSM | Jessica Smart | at PDAC | | project |
| 2024-03- | | | | | Asking for input |
| 18 | YKDFN | Email to Ryan | RM | Discuss ICRP | on ICRP |
| 2024-03- | | | | | Asking for input |
| 18 | NSM | Email to Noah Johnson | NJ, MW, JH | Discuss ICRP | on ICRP |
| 2024-03- | | | Lands, GM, V | | Asking for input |
| 18 | Tlicho | Jessica Pacunayen | CB | Discuss ICRP | on ICRP |

Traditional Knowledge

Discussions with the Yellowknife Dene First Nation on language for signage was undertaken in early 2022.

Construction activities

No activities that would require LUP or Water Licenses occurred in 2023.

Major Maintenance Activities

There were no major maintenance activities in 2023.

Activities under Waste Management Plan

Updates and Revisions to Waste Management Plan

Interim approval was granted subject to submission of specified amendments by March 31.2022. These were submitted March 4, 2022.

Monthly and Annual Quantities of Sewage

The camp waste water treatment facilities were not used in 2023.

Monthly and Annual Quantities

Table 3. Total precipitation reported at Yellowknife Airport, in mm.

| Month | Precipitation |
|----------|---------------|
| January | 6.6 |
| February | 1.2 |
| March | 4.2 |

| April | 0.2 |
|------------|------|
| May | 14.2 |
| June | 2.8 |
| July | 7.8 |
| August | 8.5 |
| September | 2 |
| October | 10 |
| November | 6.2 |
| December | 12.2 |
| Total 2022 | 75.9 |

Water used in the mine totalled nil.

Monthly and Annual Quantities of Sewage Solids or Sludge The sewage system was not activated in 2023.

Monthly Elevations of the Dry Stack Tailings Facility There were no tailings produced nor stored on site in 2023.

Map showing location of Sumps

See attached Map 1, showing the location of a constructed sump at SNP-08, and natural sumps at SNP-03, 09, 09a, 10, 21. No other sumps exist at this time. Map 2 shows similar information on a geological base.

Activities conducted in accordance of the Waste Rock Management and Geochemical Characterization and Monitoring Plan

Summary of Approved Updates and Changes

No updates or changes were completed or were needed in 2023.

Comparison of Annual Quantities Produced vs Predicted

No mining was completed in 2023.

Summary of Rock Type, Geochemical Classification and Location No mining was completed in 2023.

Details of Waste Rock and Ore Stockpiles No mining was completed in 2023.

Summary of interpretation of Results

Additional equipment and supplies were mobilized on a winter road constructed in spring of 2022. No mining was completed in 2023.

Summary and Interpretation from Seepage Monitoring

Location of Seepage

Water naturally ponds at SNP-03, SNP-09 and SNP-10 and elsewhere on the property. Additional seepage is noted at SNP-09a which is proposed for an additional monitoring station. The site is underlain by permanently frozen ground, and water does not seep through this, rather it travels over top on surface or in the unconsolidated fill. Ponds and natural sumps are where the surface and/or near surface water can be sampled.



Photo 1. Hummocky ground characteristic of cryoturbated soils in or near permafrost (Kokelj, S.V., Burn, C.R., and Tarnocai, C., 2007)

Comparison to reference location

There were no activities in 2023. No crew were on site due to wildfire risks.

Since inception, there has been no drainage at most SNP locations, only limited mining has commenced and no ore has been mined. A minor amount of waste has been placed and is used for road construction and laydown area preparation in 2021. Drainage from these materials have met all EQC parameters during operations but had one exceedance in 2022, and no activities in 2023.

The DST site was not used in 2023 and will not be used in 2024.

Summary of Recommendations for Future Surface Monitoring No changes are recommended at this time.

Summary of Investigations into Field Test Cells No field tests were conducted in 2023.

Summary of Water Quality Monitoring

Water license MV2020L2-0002 requires the following sampling frequencies.

| | | | 2022 | 2023 |
|---------|-------------|--------------------|----------------|-------------|
| SNP | Location | Sampling Frequency | Sampling | Sampling |
| SNP-1 | Sewage | Prior to discharge | Not in service | not used |
| SNP-2 | DST | Monthly | not present | not present |
| SNP-3a | DST | Monthly | No water | No water |
| SNP-3b | DST | Monthly | No water | No water |
| SNP-4 | DST | Biannual | not present | not present |
| SNP-5 | Well | Monthly | not present | not present |
| SNP-6a | Well | Monthly | not present | not present |
| SNP-6b | Well | Monthly | not present | not present |
| SNP-7 | UG | Daily | not used | not used |
| SNP-8 | Mine | Daily | not used | not used |
| SNP-9 | Waste rock | Biannual | 1 | 0 |
| SNP-9a | Waste rock | Biannual | not present | not present |
| SNP-9b | Waste rock | Biannual | not present | not present |
| SNP-9c | Waste rock | Biannual | not present | not present |
| SNP-10 | Ore | Biannual | not present | not present |
| SNP-11 | Discovery L | Daily | Not used | Not used |
| SNP-12 | Discovery L | Monthly | 1 | 0 |
| SNP-12a | Discovery L | Monthly | Road | not used |
| SNP-13 | Prosperous | Daily | Road | not used |
| SNP-14 | Sito | Daily | Road | not used |
| SNP-15 | Bluefish | Daily | Road | not used |
| SNP-16 | Quayta | Daily | Road | not used |
| SNP-17 | Lake A | Daily | no drilling | no drilling |
| SNP-18 | Lake B | Daily | no drilling | no drilling |
| SNP-19 | Lake C | Daily | no drilling | no drilling |
| SNP-20 | Lake D | Daily | no drilling | no drilling |
| SNP-21 | Waste rock | Biannual | | not present |
| SNP-22 | Explosives | Biannual | | not present |

No mining activities were conducted in 2023. No sample campaigns were conducted. Wildfires severely impacted access.

Action Level Exceedances

No samples were collected

Action taken in Action Level Exceedances

No activities were conducted, no personnel were on site.

Summary of Activities in accordance with the Approved GWWM Program

Summary of Approved Updates or Changes

The Groundwater and Water Monitoring Plan was submitted in April 2024. The previous revision was not been approved. A Baseline Data Collection Plan has been requested, followed up with a Baseline Data Analysis Plan prior to submission of any revisions to the Groundwater and Water Monitoring Plan.

Monthly and Annual Quantities of Recycled Water

No water was used or recycled in 2023.

Monthly and Annual Quantities of Water from Each Approved Source.

No water was drawn from any site in 2023:

| Location | Discovery Lake | Sito Lake | Quayta Lake | Bluefish Lake | Prosperous Lake |
|----------------|----------------|-----------|-------------|---------------|-----------------|
| January 2022 | 0 | 0 | 0 | 0 | 0 |
| February 2022 | 0 | 0 | 0 | 0 | 0 |
| March 2022 | 0 | 0 | 0 | 0 | 0 |
| April 2022 | 0 | 0 | 0 | 0 | 0 |
| May 2022 | 0 | 0 | 0 | 0 | 0 |
| June 2022 | 0 | 0 | 0 | 0 | 0 |
| July 2022 | 0 | 0 | 0 | 0 | 0 |
| August 2022 | 0 | 0 | 0 | 0 | 0 |
| September 2022 | 0 | 0 | 0 | 0 | 0 |
| October 2022 | 0 | 0 | 0 | 0 | 0 |
| November 2022 | 0 | 0 | 0 | 0 | 0 |
| December 2022 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 |

Table 4. Monthly and annual water withdrawal in cubic metres (m³).

Monthly and Annual Quantities of Water used for Dust Control.

No water was used for dust control in 2023.

Monthly and Annual Quantities of Sewage

Our bioreactor collects all greywater and sewage and treats it in a two-stage anaerobic digester feeding a single stage aerobic digester. All water into camp is discharged through this system. The bioreactor was not used in 2023.

Table 5. Monthly and annual sewage and greywater in camp

| Date | Water in Camp (m ³) | Camp Discharge (m ³) | Estimated Sewage (50%) (m ³) |
|--------|------------------------------------|--|--|
| Jan-21 | 0 | 0 | 0 |
| Feb-21 | 0 | 0 | 0 |
| Mar-21 | 0 | 0 | 0 |
| Apr-21 | 0 | 0 | 0 |

| r | | | |
|--------|---|---|---|
| May-21 | 0 | 0 | 0 |
| Jun-21 | 0 | 0 | 0 |
| Jul-21 | 0 | 0 | 0 |
| Aug-21 | 0 | 0 | 0 |
| Sep-21 | 0 | 0 | 0 |
| Oct-21 | 0 | 0 | 0 |
| Nov-21 | 0 | 0 | 0 |
| Dec-21 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 |

Note: The bioreactor collects all discharge from camp, including greywater from the kitchen, laundry and showers as well as the sewage from the toilets. The trailer camp was destroyed in wildfires in 2023.

Monthly and Annual Quantities of Run-off from DSTF

No dry stack tailings exist on the property.

Monthly and Annual Quantities of Run-off from Waste Rock and Ore

Rainfall as measured in Yellowknife contributed the following water to the waste rock storage in 2021. As shown on the Design and Construction Management Plan, waste rock storage occupies 16,370 m³ and this figure is used to convert rainfall to volumes on waste piles and ore piles. There are currently no ore piles.

| Month | Rainfall | On waste | Added from |
|--------|----------|---------------------|---------------------|
| | mm | pile m ³ | mine m ³ |
| Jan-23 | 6.6 | 108 | 0 |
| Feb-23 | 3.4 | 56 | 0 |
| Mar-23 | 3.0 | 49 | 0 |
| Apr-23 | 6.1 | 100 | 0 |
| May-23 | 14.5 | 237 | 0 |
| Jun-23 | 23.5 | 385 | 0 |
| Jul-23 | 7.6 | 124 | 0 |
| Aug-23 | 2.6 | 43 | 0 |
| Sep-23 | 9.5 | 156 | 0 |
| Oct-23 | 11.2 | 183 | 0 |
| Nov-23 | 31.4 | 514 | 0 |
| Dec-23 | 19.6 | 321 | 0 |
| Total | 139.0 | 2276 | 0 |

Table 6. Monthly and annual quantities of run-off from waste and ore stockpiles.

Virtually all of the rainfall in this area of Yellowknife evaporates and that which falls on the waste piles is no different. All of that which works its way through the waste piles is gathered at the natural SNP sites where it is sampled as per the Surveillance Network Program. There was no active discharge from any sump.

Monthly and Annual Quantities of Discharge of Minewater There was no minewater or mine rock discharge in 2022

Monthly and Annual Quantities of Other Discharge. There was no other discharge from the property.

Monthly and Annual Measurements of Precipitation and Run-off Yellowknife reported the following monthly precipitation in 2021 (https://yellowknife.weatherstats.ca/charts/precipitation-monthly.html):

| Month | Precipitation |
|--------|---------------|
| Jan-22 | 6.6 |
| Feb-22 | 3.4 |
| Mar-22 | 3.0 |
| Apr-22 | 6.1 |
| May-22 | 14.5 |
| Jun-22 | 23.5 |
| Jul-22 | 7.6 |
| Aug-22 | 2.6 |
| Sep-22 | 9.5 |
| Oct-22 | 11.2 |
| Nov-22 | 31.4 |
| Dec-22 | 19.6 |

Table 7. Monthly precipitation, 2022

A similar volume of water is considered to have flowed into drainage systems on the property. The average potential evaporation is approximately 483 mm/year, far exceeding precipitation (Grey, J., <u>https://www.utsc.utoronto.ca/~gwater/IAHCGUA/UGD/yellowknife.html</u>.)

Comparison of Water and Wastewaters Quantities

No water was used nor discharged on the property in 2022 or 2023. There was nearly 3,500 m³ of rainfall onto the waste rock piles and 150 m³ was added during mining operations for dust suppression in 2021. The total amount of water from mining to the waste pile is approximately 4% of the total used in 2021. This equals the amount of water used in mining.

Updated Water Balance

Rainfall is the largest contributor of water into each subbasin and would generally match outflows from each subbasin. Waste rock will entrain water and retain that water in each area. In our project, this will only affect the Mine Basin which is part of the Discovery Basin.

Table 8. Water balance for each basin (see map in appendix).

| Basin Area Volume Rain Waste Water Outflow Inflow | |
|---|--|
|---|--|

| Mine Basin | 152,000 | 25,840 | 0.9 | 25,840 | 6022 |
|-----------------|------------|-----------|-----|-------------|-------------|
| Discovery Lake | | | | | |
| Basin | 1,572,000 | 267,240 | 0.9 | 530,040 | 262,800 |
| | | | | | |
| Sito Lake | 2,500,000 | 425,000 | 0 | 489,233,000 | 488,808,000 |
| | | | | | |
| Quayta Lake | 9,770,000 | 1,660,900 | 0 | 979,276,900 | 977,616,000 |
| | | | | | |
| Bluefish Lake | 2,940,000 | 499,800 | 0 | 978,115,800 | 977,616,000 |
| | | | | | |
| Prosperous Lake | 40,000,000 | 6,800,000 | 0 | 984,416,000 | 977,616,000 |
| | | | | | |
| Lake B | 64,920 | 11,036.4 | 0 | 11,036 | |
| | | | | | |
| Lake C | 10,500 | 3,045 | 0 | 3,045 | |
| | | | | | |
| Lake D | 121,300 | 35,177 | 0 | 35,177 | |

Lake B, C, and D have not seen any activity in or around them.

Action Level Exceedances

No exceedances were noted in 2023.

Action taken in Action Level Exceedances No activities taken in 2023.

Activities in Accordance with TMP

Summary of Approved Updates or Changes A Tailings Management Plan was submitted in 2022 and rejected.

Monthly and Annual Quantities of Tailings Placed in DSTF No tailings were placed in the DSTF in 2023.

Monthly Elevations of the Dry Stack Tailings Facility There were no tailings produced nor stored on site in 2023.

Action Level Exceedances None.

Action taken in Action Level Exceedances None.

Summary of Hydrocarbon-Contaminated Soil Treatment Facility

Summary of Approved Updates or Changes No updates or changes.

Monthly and Annual Quantities of Effluent Discharged No effluent was discharged in 2023.

Summary of all Contaminated Materials Accepted

Soil Rock Snow Water

There were no contaminated materials placed in this site in 2023.

Sources of Materials

There were no contaminated materials placed in this site in 2023.

Volumes and Types of Materials from Each Source There were no contaminated materials placed in this site in 2023.

Analytical Results from Each Material from Each Source There were no contaminated materials placed in this site in 2023.

Summary of Treated Soil Removed from the Facility

Volume of Soil There were no contaminated materials removed from this site in 2023.

Analytical Results There were no contaminated materials removed from this site in 2023.

Location and Activity of Receiving Sites There were no contaminated materials removed from this site in 2023.

Summary of Previous Year's Management of Contaminated Soil

There were no contaminated materials on site in the previous year (2022).

Record of Inspections of HCSTF

No HCSTF so there were no inspections.

Summary of Activities related to Explosives Management Plan

Summary of Approved Updates or Changes

No changes were made in 2023.

Monthly and Annual Quantities of Explosives Spent. No explosives were used in 2023.

Table 9. Total explosives used by month.

| Month | Amex (kg) | Stick (kg) |
|--------|-----------|------------|
| Dec-22 | 0 | 0 |

| Nov-22 | 0 | 0 |
|--------|---|---|
| Oct-22 | 0 | 0 |
| Sep-22 | 0 | 0 |
| Aug-22 | 0 | 0 |
| Jul-22 | 0 | 0 |
| Jun-22 | 0 | 0 |
| May-22 | 0 | 0 |
| Apr-22 | 0 | 0 |
| Mar-22 | 0 | 0 |
| Feb-22 | 0 | 0 |
| Jan-22 | 0 | 0 |
| Total | 0 | 0 |

Action Level Exceedances

No spills occurred, no samples were collected, no exceedances were noted in 2023

Action taken in Action Level Exceedances

Reported, no actions taken nor recommended.

Summary and Results of Inspections

No inspections were reported in 2023.

Summary of Activities in Accordance with the Spill Contingency Plan

List of all unauthorised Discharges and Actions

No discharges occurred in 2023.

Spill Training Conducted.

No personnel were on the property in 2023 except for an insurance adjuster from Chubb Insurance.

Summary of Closure and Reclamation Activities

All waste material from domestic sources and operations have been removed from site. A first draft of the CRP was submitted in late 2021 and in consultation with GNWT it was revised and submitted in January 2022. It was rejected in April 2022 after revisions were submitted. It was submitted again in April 2024. No response has been received. Further submissions are anticipated.

Tabular Data collected under the SNP.

No samples were collected.

List of all Non-Compliance Conditions

No samples were collected.

Summary of Actions Taken to Address Concerns

SNP stations will be monitored carefully upon restart of activities.

Other Details Requested by the Board by November 30 of the Year Reported

Revised Water and Groundwater Management Plans, Waste Rock Management and Geochemical Characterization Plans, Tailings Management, Closure and Reclamation, and Tailings Management Plans have been submitted in 2022. The Waste Rock Management and Geochemical Characterization Plan was approved and all others have been rejected.

Appendixes

| 1 | Map showing Infrastructure and SNP locations | |
|---|---|--|
| 2 | Map showing geology and SNP locations | |
| 3 | Map showing basins with water balance | |
| 4 | Analytical results from water sampling at SNP stations. | |

References

Kokelj, S.V., Burn, C.R., and Tarnocai, S., 2007. The Structure and Dynamics of Earth Hummocks in the Subarctic Forest near Inuvik, Northwest Territories, Canada. Arctic, Antarctic and Alpine Research, Vol. 39, No. 1, 2007, pp. 99–109.

Zoltai, S.C., and Tarnocai, C., 1974. Soils and Vegetation of Hummocky Ground. Task Force on Northern Oil Development, Report No. 74-5





