

Annual Report for MV2020L2-0002, Class B
Water Management Area Northwest Territories 01

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Contents

Introduction	4
Summary of Project Activities.....	5
Updated Project Schedule	5
Water Usage	5
Field Verification of Water Depths	5
Calibration and Status of Installed Meters.	5
Engagement Activities	5
Traditional Knowledge.....	7
Construction activities	7
Major Maintenance Activities	7
Activities under Waste Management Plan	7
Updates and Revisions to Waste Management Plan.....	7
Monthly and Annual Quantities of Sewage	8
Monthly and Annual Quantities of Run off	8
Monthly and Annual Quantities of Sewage Solids or Sludge	8
Monthly Elevations of the Dry Stack Tailings Facility	8
Map showing location of Sumps	8
Activities conducted in accordance of the Waste Rock Management and Geochemical Characterization and Monitoring Plan.....	8
Summary of Approved Updates and Changes	8
Comparison of Annual Quantities Produced vs Predicted.....	8
Summary of Rock Type, Geochemical Classification and Location	8
Details of Waste Rock and Ore Stockpiles	8
Summary of interpretation of Results	8
Summary and Interpretation from Seepage Monitoring.....	8
Location of Seepage.....	8
Comparison to reference location.....	8
Analysis of Major Trends since Project Inception	8
Summary of Recommendations for Future Surface Monitoring.....	8
Summary of Investigations into Field Test Cells.....	9
Summary of Water Quality Monitoring	9
Action Level Exceedances	9

Action taken in Action Level Exceedances	9
Summary of Activities in accordance with the Approved WGWM Program	9
Summary of Approved Updates or Changes.....	9
Monthly and Annual Quantities of Recycled Water	9
Monthly and Annual Quantities of Water from Each Approved Source.	9
Monthly and Annual Quantities of Water used for Dust Control.	9
Monthly and Annual Quantities of Sewage	9
Monthly and Annual Quantities of Run-off from DSTF.....	9
Monthly and Annual Quantities of Run-off from Waste Rock and Ore.....	9
Monthly and Annual Quantities of Discharge of Minewater	9
Monthly and Annual Quantities of Other Discharge.	9
Monthly and Annual Measurements of Precipitation and Run-off.....	9
Comparison of Water and Wastewaters Quantities	10
Updated Water Balance.....	10
Action Level Exceedances	10
Action taken in Action Level Exceedances	10
Activities in Accordance with TMP	10
Summary of Approved Updates or Changes.....	10
Monthly and Annual Quantities of Tailings Placed in DSTF	10
Monthly Elevations of the Dry Stack Tailings Facility	10
Action Level Exceedances	10
Action taken in Action Level Exceedances	10
Summary of Hydrocarbon-Contaminated Soil Treatment Facility	11
Summary of Approved Updates or Changes.....	11
Monthly and Annual Quantities of Effluent Discharged.....	11
Summary of all Contaminated Materials Accepted.....	11
Soil Rock Snow Water	11
Sources of Materials	11
Volumes and Types of Materials from Each Source	11
Analytical Results from Each Material from Each Source	11
Summary of Treated Soil Removed from the Facility.....	11
Volume of Soil	11
Analytical Results.....	11

Location and Activity of Receiving Sites.....	11
Summary of Previous Year’s Management of Contaminated Soil	11
Record of Inspections of HCSTF.....	11
Summary of Activities related to Explosives Management Plan.....	11
Summary of Approved Updates or Changes.....	11
Monthly and Annual Quantities of Explosives Spent.	11
Action Level Exceedances	11
Action taken in Action Level Exceedances	12
Summary and Results of Inspections.....	12
Summary of Activities in Accordance with the Spill Contingency Plan	12
List of all unauthorised Discharges and Actions.....	12
Spill Training Conducted.	12
Summary of Closure and Reclamation Activities	12
Tabular Data collected under the SNP.....	12
List of all Non-Compliance Conditions.....	12
Summary of Actions Taken to Address Concerns	12
Other Details Requested by the Board by November 30 of the Year Reported	12

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 on the property took place in 2020.

Summary of Project Activities

No activities took place on the property in 2020.

Updated Project Schedule

A winter road was constructed in early 2021 and used to haul heavy materials to site. These were placed according to the site plan.

The winter road will be closed in late March 2021 and a watchman will be left on site to minimize thefts from the property.

It is planned to commence mobilization of personnel to the property in late spring or early summer to commence placing infrastructure and opening of the North Portal. This will provide access to approximately 130 m of the north ramp where development of a -15% 3m x 4m ramp will be driven to the south for approximately 200 m together with required safety stations and scam drifts into the A-Zone vein.

The waste rock will 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 150 days after which the operations will be shutdown in preparation for the 2022 winter road resupply season.

In 2022 it is expected that a nominal 100 tpd mill will be mobilized to the property together with supplies to process the material extracted in 2021 as well as support for ongoing operations. The mill would not be operational until the summer of 2022.

Water Usage

There was no water usage

Field Verification of Water Depths

There was no water withdrawals

Calibration and Status of Installed Meters.

There were no installed meters in 2020

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.

Date	Attendee	Community	Issues Raised by Affected Party	Recommendation by affected party	Solution	Discussion
2019-01-09	Goodman	NSMA	None	None	None	Discuss potential meeting in Vancouver at Roundup

2019-01-09	Black, RH	YKDFN	None	None	None	Discuss potential meeting in Vancouver at Roundup
2019-02-24	Boucher, Poole	ADFN	None	None	None	Send copy of renewal application
2019-02-24	Goodman	NSMA	None	None	None	Send copy of renewal application
2019-02-24	Goodman, Shinga	NSMA	None	None	None	Please consult with Shin Shiga
2019-02-24	Shinga	NSMA	None	None	None	Send copy of renewal application
2019-02-24	Nevitt	TLICHO	None	None	None	Send copy of renewal application
2019-02-24	Black	YKDFN	None	None	None	Send copy of renewal application
2019-02-25	Boucher, Poole	ADFN	None	None	None	Confirm the consultation log
2019-02-25	Boucher, Poole	ADFN	None	None	None	Correct the consultation log
2019-02-25	Shinga, JH	NSMA	None	None	None	Jessica Hurtubise will be point on this file.
2019-02-25	Black, Evans, MT	YKDFN	None	None	None	Thanks, will review. Introduce Machel Thomas
2019-02-26	Boucher, Poole	ADFN	None	None	None	Please send the detailed spreadsheet.
2019-02-26	Boucher, Poole	ADFN	None	None	None	Sent...spreadsheet ADFN/YKDFN
2019-09-01	Black, Gavin Kirk, Gillis	YKDFN	None	None	None	Meet with Gavin, discuss year and plans
2019-09-20	Gillis	YKDFN	None	None	None	Confirmed Introduction
2019-09-23	Gillis	YKDFN	None	None	None	Latest NR as update on VMS
2019-12-09	Black, Gillis	YKDFN	None	None	None	Update on plans, introduce renewal of WL
2020-02-20	Nevitt	Tlicho	None	None	None	Update on plans, discuss renewal of WL (RETURNED)
2020-02-20	Zoe	Tlicho	None	None	None	email to Zabey was returned. Who do we communicate with?
2020-02-20	Black, Gillis	YKDFN	None	None	None	Update on plans, discuss renewal of WL
2020-04-21	Shiga, Hurtubise	NSMA	None	None	None	Update on plans, discuss renewal of WL
2020-04-21	Nevitt	Tlicho	None	None	None	Update on plans, discuss renewal of WL
2020-04-21	Black, Gillis	YKDFN	None	None	None	Update on plans, discuss renewal of WL
2020-04-22	Hurtubise	NSMA	None	None	None	Introduction
2020-04-22	Hurtubise	NSMA	None	None	None	Response with some bio.
2020-05-11	Black, Gillis	ADFN	None	None	None	Renew contact, cc to YKDFN
2020-05-11		NTPC	None	None	None	introduction and request for contact.
2020-05-11	Colin Steed	NTPC	None	None	None	Discuss WL, consultation
2020-05-11	Steed, Miller	NTPC	None	None	None	Introduce Matt Miller
2020-05-11	Gillis, Poole, Boucher, Miller	YKDFN	None	None	None	Drop Johanne from the list, add Ryan Miller.
2020-05-11	Gillis, Poole, Boucher, Miller	YKDFN	None	None	None	Acknowledge.
2020-05-12	Boucher, Poole	ADFN	None	None	None	Forwarding correspondence to SG

2020-05-12	Miller, DM, ES	NTPC	None	None	None	NTPC WL consultation
2020-05-12	Miller	NTPC	Discuss Cabin Owners	Check ATLAS	Reviewed. No C.O.	Introduction and consultation needs. Send documents re: quantity and quality
2020-05-12	Miller, Steed, DM, ES	NTPC	Chemicals	Send data	Sent data on chemicals	Maps, plans details of water use. History of Mon.
2020-05-12	Time Heron	NWTMN	None	None	None	Introduction of NDM and project with links and maps
2020-05-15	Miller	NTPC	None	None	None	email details requested on milling and water use.
2020-06-01		Yk	None	None	None	Introduce renewal
2020-06-17	Brooklyn	YK	None	None	None	Left message
2020-06-17	Brooklyn	YK	None	None	None	Discuss project history, confirm email addresses
2020-06-17	Brooklyn	YK	None	None	None	re-introduce project, cc to SWF for letter confirming receipt of ash.
2020-12-11	Black, Gillis	YKDFN	None		Can we call	Discuss WR and plans for 2021.
2021-01-04	JH	NWTMA	None	None	None	Notify of imminent start up, and future discussion.
2021-01-04	TH	NWTMN	None	None	None	Notify of imminent start up, and future discussion.
2021-01-04	ZN	Tlicho	None	None	None	Notify of imminent start up, and future discussion.
2021-01-04	Brooklyn	Yk	None	None	None	Notify of imminent start up, and future discussion.
2021-01-26	VCB	Tlicho	Lack of contact	call, email	request for meeting	email outlining past discussions, requesting further discussions

Traditional Knowledge

No activities were undertaken in 2020.

Construction activities

There were no construction activities in 2020..

Major Maintenance Activities

There were no major maintenance activities in 2020.

Activities under Waste Management Plan

Updates and Revisions to Waste Management Plan

The Waste Management Plan was updated to incorporate:

13	January 2021	Changes listed in Conformity Table
14	February 2021	Addressed February 01 comments from the ORS completed by the MVLWB, letter dated February 12, 2021 including review comments table.

Monthly and Annual Quantities of Sewage

There was no sewage created, treated, or discharged on site in 2020.

Monthly and Annual Quantities of Run off

There was no run off or seepage collected or discharged on the property other than that which occurred prior to any anthropogenic changes under this permit.

Monthly and Annual Quantities of Sewage Solids or Sludge

There was no sewage created, treated, or discharged nor any solids or sludge removed from site in 2020.

Monthly Elevations of the Dry Stack Tailings Facility

There were no tailings produced nor stored on site in 2020.

Map showing location of Sumps

No sumps have been created or existed on the site in 2020.

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

Summary of Approved Updates and Changes

A proposed WRMGCM Plan was submitted in early March 2021.

Comparison of Annual Quantities Produced vs Predicted

No waste rock was produced in 2020.

Summary of Rock Type, Geochemical Classification and Location

No waste rock was produced in 2020.

Details of Waste Rock and Ore Stockpiles

No waste rock and no ore were produced in 2020.

Summary of interpretation of Results

No samples to interpret.

Summary and Interpretation from Seepage Monitoring

Location of Seepage

There was no seepage in 2020.

Comparison to reference location

There was no seepage in 2020.

Analysis of Major Trends since Project Inception

The project activities have only started in 2021.

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 2020

Summary of Water Quality Monitoring

No waste rock water to monitor in 2020.

Action Level Exceedances

No samples were collected, no exceedances were noted in 2020.

Action taken in Action Level Exceedances

None.

Summary of Activities in accordance with the Approved WGWM Program

Summary of Approved Updates or Changes

A Waster and Groundwater Monitoring Plan was submitted in March 2021 and has not been approved.

Monthly and Annual Quantities of Recycled Water

No water was used or recycled in 2020

Monthly and Annual Quantities of Water from Each Approved Source.

No water was used in 2020

Monthly and Annual Quantities of Water used for Dust Control.

No water was used in 2020

Monthly and Annual Quantities of Sewage

There was no sewage created, treated, or discharged on site in 2020.

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

There was no run off or seepage collected or discharged on the property

Monthly and Annual Quantities of Discharge of Minewater

There was no minewater discharge in 2020.

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 2020

(<https://yellowknife.weatherstats.ca/charts/precipitation-monthly.html>):

Month	Precipitation
-------	---------------

Dec-20	3.9 mm
Nov-20	14.3 mm
Oct-20	13.2 mm
Sep-20	27.2 mm
Aug-20	67.4 mm
Jul-20	97.6 mm
Jun-20	28.6 mm
May-20	3.0 mm
Apr-20	8.1 mm
Mar-20	5.3 mm
Feb-20	8.5 mm
Jan-20	6.2 mm

A similar volume of water is considered to have flowed into drainage systems on the property.

Comparison of Water and Wastewaters Quantities

No water was used nor discharged on the property in 2020.

Updated Water Balance

No changes.

Action Level Exceedances

No samples were collected, no exceedances were noted in 2020.

Action taken in Action Level Exceedances

None.

Activities in Accordance with TMP

Summary of Approved Updates or Changes

No updates or changes.

Monthly and Annual Quantities of Tailings Placed in DSTF

No tailings were placed in the DSTF in 2020.

Monthly Elevations of the Dry Stack Tailings Facility

There were no tailings produced nor stored on site in 2020.

Action Level Exceedances

No samples were collected, no exceedances were noted in 2020.

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 2020.

Summary of all Contaminated Materials Accepted

Soil Rock Snow Water

There were no contaminated materials placed in this site in 2020.

Sources of Materials

There were no contaminated materials placed in this site in 2020.

Volumes and Types of Materials from Each Source

There were no contaminated materials placed in this site in 2020.

Analytical Results from Each Material from Each Source

There were no contaminated materials placed in this site in 2020.

Summary of Treated Soil Removed from the Facility

Volume of Soil

There were no contaminated materials removed from this site in 2020.

Analytical Results

There were no contaminated materials removed from this site in 2020.

Location and Activity of Receiving Sites

There were no contaminated materials removed from this site in 2020.

Summary of Previous Year's Management of Contaminated Soil

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

Record of Inspections of HCSTF

There were no inspection as no site exists.

Summary of Activities related to Explosives Management Plan

Summary of Approved Updates or Changes

An EMP was submitted to the MVLWB in March 2021.

Monthly and Annual Quantities of Explosives Spent.

No explosives were used on the property in 2020.

Action Level Exceedances

No samples were collected, no exceedances were noted in 2020.

Action taken in Action Level Exceedances

None.

Summary and Results of Inspections

No explosives were on the property in 2020.

Summary of Activities in Accordance with the Spill Contingency Plan

List of all unauthorised Discharges and Actions

No activities on the property in 2020.

Spill Training Conducted.

No activities, no personnel in 2020.

Summary of Closure and Reclamation Activities

None was completed.

Tabular Data collected under the SNP.

No activities occurred in 2020. No data collected.

List of all Non-Compliance Conditions

None

Summary of Actions Taken to Address Concerns

None

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

Revised Waste Management Plans, Spill Contingency Plans were submitted. Interim approval was granted by the Board in February 2021, and Staff approvals were obtained in March 2021. Explosive Management Plans, Water and Groundwater Management Plans, Waste Rock Management and Geochemical Characterization Plans, Tailings Management, and Hydrocarbon Contaminated Soil Management Plans are being prepared for submission in April, 2021.