



PERMIT INFORMATION

Permit Number: C-1981-025 Mine Name: North Thompson Creek Mine Operator: MINREC, Inc. Operator Address: Mr. Stan Muhr 627 241/2 Road, Unit H Grand Junction, CO 81505	County: Garfield Operation Type: Underground Permit Status: Inactive Ownership: Private
	Operator Representative Present: None
Operator Representative Signature: (Field Issuance Only)	

INSPECTION INFORMATION

Inspection Start Date: March 31, 2021 Inspection Start Time: 10:00 Inspection End Date: March 31, 2021 Inspection End Time: 12:00		Inspection Type: Coal Complete Inspection Inspection Reason: Normal I&E Program Weather: Clear	
Joint Inspection Agency: None		Joint Inspection Contacts:	
Post Inspection Agency: None		Post Inspection Contacts:	
Inspector(s): Robert Zuber, P.E.	Inspector's Signature: <i>Robert D. Zuber</i>		Signature Date: 4/2/2021

Inspection Topic Summary

NOTE: Y=Inspected N=Not Inspected R=Comments Noted V=Violation Issued NA=Not Applicable

Y - Air Resource Protection

R - Availability of Records

NA - Backfill & Grading

NA - Excess Spoil and Dev. Waste

NA - Explosives

Y - Fish & Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

N - Other

NA - Processing Waste

Y - Roads

NA - Reclamation Success

NA - Revegetation

NA - Subsidence

Y - Slides and Other Damage

NA - Support Facilities On-site

R - Signs and Markers

NA - Support Facilities Not On-site

NA - Special Categories Of Mining

NA - Topsoil

COMMENTS

A complete inspection was conducted by Rob Zuber of DRMS on March 31, 2021. The weather was cool and clear. The ground was covered with snow in shady areas and muddy in other areas. No MINREC, Inc. representative was present.

No cattle were seen onsite, but cow feces were seen in many places.

The landowner's pump system at Pond T-2 was not operating at the time of the inspection.

AVAILABILITY OF RECORDS – Rule 5.02.4(1):

A check at the Garfield County building in Glenwood Springs revealed that all records for the North Thompson Creek Mine were available and well organized.

A list of records is provided in this report.

HYDROLOGIC BALANCE - Rule 4.05

Drainage Control 4.05.1, 4.05.2, 4.05.3; Siltation Structures 4.05.5, 4.05.6; Discharge Structures 4.05.7, 4.05.10; Diversions 4.05.4; Effluent Limits 4.05.2; Ground Water Monitoring 4.05.13; Surface Water Monitoring 4.05.13; Drainage – Acid and Toxic Materials 4.05.8; Impoundments 4.05.6, 4.05.9; Stream Buffer Zones 4.05.18:

The pipeline across the creek (attached to a bridge) that carries mine water to the treatment system was intact.

The structures at the west end of the site (south of the creek) were covered with snow.

No problems were identified with the ponds. All of the on-site ponds were inspected: the Long Pond, Treatment Pond T-1, Treatment Pond T-2, the Polishing Pond (Pond P-9), and the Refuse Pond. All of the ponds except the

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Refuse Pond were discharging. The Refuse Pond contained only a small amount of snow, well below the spillways. Ice covered most of Pond P-9 and much of Pond T-2. Only a little ice was on Pond T-1, and no ice was on the Long Pond.

The water in the Long Pond was brown and very opaque. The water discharging from Pond 9 was very clear, with no mineral staining on the soil and no odor. It flowed into the channel that directs the water to the Refuse Pond, and there was no discharge to the creek (Outfall 01).

No problems were identified with ditches between the ponds or the aeration ditch above the Long Pond, although snow between the ponds and the creek precluded a thorough inspection (if there was a breach, it would be difficult to identify). The ditch directly above the Refuse Pond (which was breeched in September 2020) was functioning. Along much of its length below Pond P-9, it contained a large amount of snow and was not inspected thoroughly.

SIGNS AND MARKERS – Rule 4.02:

Stream buffer signs were seen between the ponds and North Thompson Creek. Entrance signs were in place.

DOCUMENTS RECEIVED - none

OTHER (SPECIFY) - none

ENFORCEMENT ACTIONS/COMPLIANCE

No enforcement actions were initiated as a result of this inspection, nor are any pending.

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PHOTOGRAPHS



Refuse Pond

Point of breach in 2020



Ditch above Refuse Pond

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Discharge from Pond P-9



Lower end of Long Pond

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Discharge pipe at top of treatment system



Pipe crossing creek on bridge

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AVAILABILITY OF RECORDS**PERMIT RECORDS**

DRMS Permit	Expires August 2023
Permit Application w/Revisions	yes
Findings Document	RN7, 9/17/2018
Insurance Certificate	Exp. 9/1/2021
Bond Document	\$10,000
Phased Bond Release Documents/Findings	SL6 (2009)
Air Emission Permits	NA, terminated 1990
County Special Use Permits	86-12
UG Mining Landowner Notification	NA
Subsidence Monitoring Reports	NA
Subsidence Monitoring Data	NA
Rill & Gully Survey	May 2020
Vegetation Monitoring Data	NA
Specific Variance Approvals	NA
Annual Reclamation Reports	2020
Midterm Review Documents	MT8, 1/4/2021
DRMS/OSM Inspection Reports/Enforcement Actions (3 Years)	Through November 2020
Transfers/Succession of Operator	NA
Temporary Cessation Notification	NA
Reclamation Cost Estimate	NA
CERTIFICATIONS	SEE COMMENT
Pond Certifications	
Annual Certifications for Large Impoundments	NA
Fill Certifications for Excess Spoil or Underground Development Waste	NA
• Quarterly Inspections	NA
• Compaction Testing	NA
• Final Certification	NA
Coal Processing Waste Banks	NA
Haul Road Certifications	NA
Access Road Certifications	NA

HYDROLOGIC RECORDS

NPDES Permit	CO-0048233 (Admin. Extension)
NPDES Records	Through February 2021
Stormwater Management Plan	NA
SPCC Plan	NA
MSHA Pond Inspections	NA
State Engineer's Pond Inspection	NA
Quarterly Pond Inspections	4Q 2020
Annual Hydrology Reports	2020
• Ground Water Monitoring	no
• Surface Water Monitoring	No discharge
• Spring & Seep Monitoring	no
• Mine Water Discharge Monitoring	NA
• Mine Inflow Study	NA
• Water Consumption Records	NA
Well Permits	NA

BLASTING RECORDS

Blasting Publication	NA
Blasting Records (3 years)	NA
ATFE Explosives Permit	NA
Blasting Variances	NA
Pre-Blast Surveys	

ADDITIONAL RECORDS (specify)

COMMENTS:

Certified inspection reports from November 2020. Also, construction certifications are available in the records. These were stamped by Professional Engineers in the 1980s and 1990s.

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