
J. E. STOVER & ASSOCIATES, INC.

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MINE ENGINEERING
MINE RECLAMATION

CIVIL ENGINEERING
CONST. MANAGEMENT

July 7, 2020

Rob Zuber
Division of Reclamation, Mining & Safety
1313 Sherman St., Room 215
Denver, Colorado 80203-2273

Re: Minrec, Inc., North Thompson Creek Mines
Annual Reclamation Report – Adequacy #2
Permit No. C-1981-025

Dear Mr. Zuber:

Attached are the revised 2019 reclamation form and revised 2019 ARR table. The revisions are a result of recent e-mails and phone calls.

Please call if you have any questions.

Sincerely,

J. E. Stover

J. E. Stover, P.E.
Consulting Engineer

Colorado Division of Reclamation, Mining and Safety

Annual Reclamation Report for Calendar Year – 2019

North Thompson Creek Mine

C1981025

Minrec, Inc

Mine Name

Permit Number

Permittee

627 24 1/2 Road, Unit H, Grand Junction, CO 81505

Address

This report, required by Rule 2.04.13, is due by February 15 of each year, or other date, as agreed upon by the Division. It should include text, discussion, and maps, at a minimum, in addition to any other reclamation monitoring data as required by the approved permit. The location of the acreage reported under each land status category and year of seeding (if applicable) should be clearly identified on a map included with the report.

Land Category	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Acreage in Active Mining Areas ¹	0	0	0	=	0

Land Category	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Acres Disturbed ²	65.9	19.3	0	=	85.2
Acres Backfilled and Graded	65.2	0	1.1	=	64.1
Acres Topsoiled	65.2	0	1.1	=	64.1

Acreage in Long-term Facilities ³	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Non-Permanent Facilities	0	0	0	=	0
Permanent Facilities (permitted)	4.8	16.3	0	=	21.1
Totals	4.8			=	21.1

Acres Seeded (permanent)	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
9 Years and Less	0	0	0	=	0
10 Years and Greater	4.8	59.3	0	=	64.1
Totals	4.8			=	64.1

Bond Release	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Phase I Released	65.2	20.0	0	=	85.2
Phase II Released	65.2	20.0	0	=	85.2
Phase III Released	61.1	20.0	0.0	=	81.1

¹Includes pits, topsoil stripped areas in advance of pits, and spoil not backfilled and graded

²Surface Mine Acres Disturbed = B&G + Long-Term Facilities + Active Mining Areas; Underground Mine Acres Disturbed = B&G + Long-Term Facilities; Separately-permitted Loadouts = B&G + Long-Term Facilities

³Includes haul, access and light-use roads, temporary dams and impoundments; permanent dams and impoundments; diversion and collector ditches, water and air monitoring sites; topsoil stockpiles; overburden stockpiles; repair, storage and construction areas; office area, repair shops, and parking; coal stockpiles, loading, and processing areas; railroads; coal conveyors; refuse piles and coal mine waste impoundments; head-of-hollow fills; valley fills; ventilation shafts and entryways; and non-coal waste disposal area (garbage dumps and coal combustion by-products disposal areas).

North Thompson Creek Mines		
2019 ARR		
Total Mine Site Disturbed Ares	47.6	
Total Loadout Disturbed Area	37.6	
Total Disturbed	85.2	
<u>Long Term Developed Water Resources</u>	SF	Not Reclaimed (AC)
Pipeline from No. 3 Mine to Long Pond	13065	0.3
Feed to Long Pond	465	
Long Pond	7883	
Pond T-1	4336	
Connector T-1 to T-2	315	
Pond T-2	5295	
Connector T-2 to P9	465	
Pond 9	8204	0.2
Ditch from Pond 9 to Refuse Pond	10790	
Refuse Pile Pond	13495	0.3
Access Road	18147	
Total SF Developed Water Resources	82460	
TOTAL ACRES	1.9	
<u>Permanent</u>	Acres	
Stoney Ridge Road	5.3	5.3
Stoney Ridge Fan	0.1	0.1
Long Term Water Resources	1.9	
<u>Loadout</u>		
Paved Road to Prime Farmland	9.2	9.2
Paved Truck Dump	0.9	0.9
Topsoil & Stockpile Areas	3.7	3.7
	21.1	20.0
ARR Reconciliation		
Total Disturbed Area	85.2	
Reclaimed	65.2	
Permanent	21.1	
Non Permanent	64.1	
Phase I & II Release	65.2	
Phase I & II Release Permanent	20.0	
Total Phase I & II Release	85.2	
Phase III Released	61.1	
Phase III Released Permanent	20.0	
Totla Phase III Released	81.1	
Remaining Developed Water Resources	4.1	