



Montana Resources, LLC
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November 29, 2022

Jamin Grantham
Field Services Section Supervisor
Air Quality Bureau
Montana Department of Environmental Quality
jamin.grantham2@mt.gov

RE: Summer Seasonal Emissions Inventory and Summary Report of Summer Seasonal
Production Limitations for March – October of 2022

Dear Mr. Grantham:

Please find enclosed the 2022 Summer Seasonal Emissions Inventory for Montana Resources, LLC. Also included is a Summary Report listing the maximum seasonal production limitations and the actual seasonal production achieved during the months from March through October. These reports are to be delivered to the DEQ by November 30th of each year as per Air Quality Permit #1749-14 issued in July 2022.

If you have any questions, please contact me at 496-3205, or Mark Thompson at 496-3211.

Sincerely,

A handwritten signature in black ink, appearing to read 'JFleege'.

Jeremy Fleege
Environmental Engineer

Enclosures: 2022 Summer Seasonal Emissions Inventory
2022 Summer Seasonal Production Report for March through October 2022

MONTANA RESOURCES, LLC

CONTINENTAL PIT BUTTE, MONTANA

EMISSIONS INVENTORY SUMMER 2022

	SUMMER 2022
Tons of Ore Mined	9,500,296
Tons of Waste Mined	10,220,494
Haul Truck Vehicle Miles(1)	639,287
Support Vehicle Miles Traveled(2)	437,682
Heavy Equipment Other Than Haul Trucks(5)	37,348
Number of Holes Drilled	10,175
Number of Blasts	70
Tons of Explosives	5,100
Tons of Ore Through Primary Crusher	9,500,296
Tons of Ore Through Secondary Crusher	9,500,296
Tons of Ore Through Fine Ore Bins	9,500,296
Tons of Ore to Concentrator(3)	9,500,296
Current Acreage of Disturbed Area	5,533
Current Acreage of Exposed Tailing Beach	1,043
Gallons of Diesel Consumed(6)	2,594,739
Gallons of Gasoline Consumed	49,737
Tons of Lime Unloaded (7)	42,658.04
Concentrator and Primary Crushe	35,928.79
Water Treatmentment Plant	6,729
Tons Through Molybdenum Dryer (8)	3,025.08
Type of Chemical Dust Suppressant Used	Sodium Chloride
Tons of Chemical Dust Suppressant Used	0.0
Water Truck Hours(4)	4,921.5

(1) 18-6 wheel 240 ton haul trucks: 105,714 loads @ \approx 3.64 miles

(1) Highest vehicle miles traveled by haul trucks (VMT's) Sept. 21, 2022 - 3,902 VMT's

(2) 68 vehicles - averaged 8.8 miles per gallon

(3) The daily average throughput for ore during the summer period of 2022 was 38,777 tons per day

(3) The highest throughput day for ore during the summer period was September 5, 2022. 54,670 tons of ore were treated in the mill

(4) MR's Water Truck: 52,000 gallons

(5) Loader @ 2 miles per day X 245 days = 490 VMT

(5) Grader @ 50 miles per day X 245 days = 12,250 VMT

(5) Water Truck @ 5 miles per hour X 24,607.5 hours = 123,037.5 VMT

(6) Average consumption per day of diesel during the summer period was 10,590.77 gallons

(7) Average tonnage unloaded per day of lime during the summer period was 174.11 tons

(8) The highest throughput day for the molybdenum dryer during the summer period was March 1, 2022. 46.42 tons of molybdenum concentrate were dried.*

*This excludes end of month inventory adjustments.

(9) Summer 2022 includes: Mar., Apr., May, June, July, Aug., Sept., & Oct. 2022

MONTANA RESOURCES, LLC

SUMMARY REPORT

Due by Nov. 30

MAXIMUM SEASONAL PRODUCTION RATES (SUMMER)

March through October - 2022

JAF
11/29/22

Summer (March - October) Seasonal Production Limitations

Emission Point (Production Units)	Max. Seasonal Prod. Rate	Actual Max. Prod. Rate	Variance
Haul Trucks (vmt) ¹	1,420,560.0	639,287.0	781,273.0
Diesel Exhaust (gallons of diesel)	6,358,664.9	2,594,739.0	3,763,925.9
Lime Unloading (tons of lime)	123,898.5	42,658.0	81,240.5
Support Vehicles ² (vmt)	1,466,666.0	437,682.0	1,028,984.0
Molybdenum Dryer (tons of molybdenum)	61,875.6	3,025.1	58,850.5
Primary Crusher Ore Dump (tons of ore)	34,759,820.9	9,500,296.0	25,259,524.9

¹ VMT is Vehicle Miles Traveled

² Support Vehicles plus Heavy Equipment Other Than Haul Trucks