



Montana Resources

Montana Resources, LLC
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November 26, 2024

Mr. Conor Fox
Air Quality Engineering Scientist
Montana Department of Environmental Quality
Air Quality Bureau
Conor.Fox@mt.gov

RE: Summer Seasonal Emissions Inventory and Summary Report of Summer Seasonal
Production Limitations for March – October of 2024

Dear Mr. Fox:

Please find enclosed the 2024 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.

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

Sincerely,

Jeremy Fleege
Environmental Engineer

Enclosures: 2024 Summer Seasonal Emissions Inventory
2024 Summer Seasonal Production Report for March through October 2024

MONTANA RESOURCES, LLC

CONTINENTAL PIT BUTTE, MONTANA

EMISSIONS INVENTORY SUMMER 2024

SUMMER 2024		
Tons of Ore Mined		10,681,865
Tons of Waste Mined		11,831,768
Haul Truck Vehicle Miles (1)		565,221
Support Vehicle Miles Traveled (2)		432,916
Heavy Equipment Other Than Haul Trucks (5)		46,105
Number of Holes Drilled		14,467
Number of Blasts		121
Tons of Explosives		5,076
Tons of Ore Through Primary Crusher		10,681,865
Tons of Ore Through Secondary Crusher		10,681,865
Tons of Ore Through Fine Ore Bins		10,681,865
Tons of Ore to Concentrator (3)		10,681,865
Current Acreage of Disturbed Area		5,584
Current Acreage of Exposed Tailing Beach		1,148
Gallons of Diesel Consumed (6)		2,767,292
Gallons of Gasoline Consumed		49,195
Tons of Lime Unloaded (7)		37,592.96
Concentrator and Primary Crusher	30,642.24	
Water Treatment Plant	6,951	
Tons Through Molybdenum Dryer (8)		5,194.74
Type of Chemical Dust Suppressant Used		Sodium Chloride
Tons of Chemical Dust Suppressant Used		0.0
Water Truck Hours (4)		6,673.0

(1) 17-6 wheel 240 ton haul trucks: 89,595 loads @ \approx 3.15 miles

(1) Highest vehicle miles traveled (VMTs) by haul trucks = Oct. 19, 2024 - 3,585 VMTs

(2) 68 vehicles - averaged 8.8 miles per gallon

(3) The daily average throughput for ore during the summer period of 2024 was 43,599 tons per day

(3) The highest throughput day for ore during the summer period was August 25, 2024 - 55,842 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 6,673 hours = 33,365 VMT

(6) Average consumption per day of diesel during the summer period was 11,295.07 gallons

(7) Average tonnage unloaded per day of lime during the summer period was 153.44 tons

(8) The highest throughput day for the molybdenum dryer during the summer period was October 19, 2024. 45.34 tons of molybdenum concentrate were dried.*

*This excludes end of month inventory adjustments.

(9) Summer 2024 includes: Mar., Apr., May, June, July, Aug., Sept., & Oct. 2024

MONTANA RESOURCES, LLC

SUMMARY REPORT

Due by Nov. 30

MAXIMUM SEASONAL PRODUCTION RATES (SUMMER)

March through October - 2023

JAF

11/26/2024

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	565,221.0	855,339.0
Diesel Exhaust (gallons of diesel)	6,358,664.9	2,767,292.0	3,591,372.9
Lime Unloading (tons of lime)	123,898.5	37,593.0	86,305.5
Support Vehicles ² (vmt)	1,466,666.0	432,916.0	1,033,750.0
Molybdenum Dryer (tons of molybdenum)	61,875.6	5,194.7	56,680.9
Primary Crusher Ore Dump (tons of ore)	34,759,820.9	10,681,865.0	24,077,955.9

¹ VMT is Vehicle Miles Traveled

² Support Vehicles plus Heavy Equipment Other Than Haul Trucks