



Montana Resources

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January 31, 2023

Conor Fox, Air Quality Engineering Scientist
Montana Department of Environmental Quality
Air Quality Bureau, Field Services Section
P.O. Box 200910
Helena, MT 59620-0901

RE: 2022 Annual Production Information

Dear Mr. Fox:

Please find enclosed the 2022 Annual Production Information required by Air Quality Permit #1749-14. This information has also been provided online as the annual air quality emission inventory.

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

Sincerely,

Jeremy Fleege
Environmental Engineer

MONTANA RESOURCES

CONTINENTAL PIT BUTTE, MONTANA

EMISSIONS INVENTORY 2022 YEAR END

	Y.T.D. 2022
Tons of Ore Mined	14,435,228
Tons of Waste Mined	15,301,454
Haul Truck Vehicle Miles (1)	947,597
Support Vehicle Miles Traveled (2)	716,647
Heavy Equipment Other Than Haul Trucks (5)	44,320
Number of Holes Drilled	14,769
Number of Blasts	110
Tons of Explosives	7,630
Tons of Ore Through Primary Crusher	14,435,228
Tons of Ore Through Secondary Crusher	14,435,228
Tons of Ore Through Fine Ore Bins	14,435,228
Tons of Ore to Concentrator (3)	14,435,228
Current Acreage of Disturbed Area	5,533
Current Exposed Area of Tailing Pond	1,043
Gallons of Diesel Consumed (6)	3,693,590
Gallons of Gasoline Consumed	81,437
Tons of Lime Unloaded (7)	59,504.86
Concentrator and Primary Crusher	49,169.97
Water Treatment Plant	10,334.89
Tons Through Molybdenum Dryer (8)	5,076.88
Type of Chemical Dust Suppressant Used	Sodium Chloride
Tons of Chemical Dust Suppressant Used	35.0
Water Truck Hours (4)	5,068.0

(1) 18-6 240 ton haul trucks: 132,268 loads @ ≈ 3.58 miles (Y.T.D. 2022)

(1) Highest vehicle miles traveled by haul trucks (VMT's) Sept. 21, 2022 - 3,902 VMT's (Y.T.D. 2022)

(2) 68 vehicles - averaged 8.8 miles per gallon

(3) The daily average throughput for ore during 2022 was 39,549 tons per day.

(3) The highest throughput day for ore during 2022 was Dec. 31, 2022. 54,939 tons of ore were treated in the mill

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

(5) Loader @ 2 miles per day X 366 days = 730 VMT

(5) Grader @ 50 miles per day X 366 days = 18,250 VMT

(5) Water Truck @ 5 miles per hour X 5,068 hours = 25,340 VMT

(6) Average consumption per day of diesel during 2022 was 10,119 gallons

(7) Average tonnage unloaded per day of lime during 2022 was 163.03 tons

(8) The highest throughput day for the molybdenum dryer during 2022 was Mar 01, 2022. 46.42 tons of molybdenum concentrate were dried.*

*This excludes end of month inventory adjustments.