

AIR QUALITY PERMIT

Issued to: Contact Mining Company, Inc.  
P.O. Box 337  
Philipsburg, MT 59858

Permit # 1642  
Date Recd: 10/23/81  
Date Filed: 11/3/81  
Date Issued:

SECTION I: Permitted Facilities

An air quality permit is hereby granted to the above named permittee, hereinafter referred to as recipient, pursuant to Section 72-2-204 and 211, MCA, as amended, and ARM 16-2.14(1)-S1415 Permits, Construction and Operation of Air Contaminant Sources, as amended, for the following:

- A. A precious metals mill located 1/2 mile south of Philipsburg, Montana in Granite County.
- B. The permitted facilities include the following:
  - 1. Ore stockpile.
  - 2. Apron feeder.
  - 3. Two single deck screens.
  - 4. Telesmith jaw crusher.
  - 5. Telesmith cone crusher.
  - 6. Access and haul roads.
  - 7. Tailings pond.

SECTION II: Limitations and conditions

- A. Recipient shall not cause visible emissions of greater than twenty (20) percent opacity to be discharged into the atmosphere from any handling, conveying, crushing, processing, storing or loading system averaged over six consecutive minutes.
- B. Chemical dust suppression and watering will be required as necessary to control fugitive emissions from roads and the general work area.
- C. All process equipment shall be enclosed.
- D. Recipient shall comply with all other applicable state, federal, or local regulations.
- E. Except as otherwise specified, all proposals, information and statements in the application are by this reference made conditions of the permit.

SECTION III: General

A. Inspection

The recipient shall allow the Department's representatives access to the source at all reasonable times for the purpose of making inspections, surveys, collecting samples, obtaining data, and otherwise conducting all necessary functions related to this permit.

B. Waiver

The permit and all the terms, conditions, and matters stated herein shall be deemed accepted if the recipient fails to appeal as indicated below.

C. Compliance with Statutes and Regulations

Specific listing of requirements, limitations, and conditions contained herein does not relieve the applicant from compliance with all applicable statutes and administrative regulations including amendments thereto, nor waive the right of the Department to require compliance with all applicable statutes and administrative regulations, including amendments thereto.

D. Enforcement

Violations of limitations, conditions and requirements contained herein may constitute grounds for permit revocation, penalties or other enforcement as specified in Section 74-2-401 MCA.

E. Appeals

Any person or persons who are jointly or severally adversely affected by the Department's decision may request, within fifteen (15) days after the Department renders its decision, upon affidavit, setting forth the grounds therefore, a hearing before the Board. A hearing shall be held under the provisions of the Montana Administrative Procedures Act. The Department's decision on the application is not final unless fifteen (15) days have elapsed and there is no request for a hearing under this section. The filing of a request for a hearing postpones the effective date of the Department's decision until the conclusion of the hearing and issuance of a final decision by the Board.

AIR QUALITY PERMIT ANALYSIS  
Application #1642  
Contact Mining Company - Philipsburg

I. INTRODUCTION

Contact Mining Mining Company (Contact) has applied for an air quality permit for a precious metals mill near Philipsburg in Granite County. The application was submitted to the Air Quality Bureau on October 23, 1981 and was deemed complete on November 3, 1981 upon receipt of proof of public notice.

II. PROJECT DESCRIPTION

Contact plans to mill 600 tons per day of ore for the recovery of precious metals. The ore is received from various mines in the area.

The process involves the primary and secondary crushing of the ore with related screening and conveying. The rest of the process is wet with little potential for air emissions. A tailings pond of approximately 4 acres will be maintained on an existing tailings site.

III. APPLICABLE REGULATIONS

Contact is required under Sub-Chapter 11 of the Montana Air Quality Rules to obtain an air quality permit since their potential particulate emissions are greater than 25 tons per year. This sub-chapter also requires the application of Best Available Control Technology (BACT).

Rule 16.8.1401, Particulate Matter, Airborne, is also applicable and requires a 20 percent opacity limitation on fugitive dust sources.

IV. DEPARTMENT REVIEW OF THE APPLICATION

A. General

The affected area is Class II and has attainment status for all affected pollutants. The Anaconda-Pintlar Wilderness area is the nearest Class I area, about twenty miles south of the project area. No impact is expected to the Class I area. The Water Quality Bureau has prepared a Preliminary Environmental Review (PER) on this project.

B. Existing Air Quality

No air quality monitoring has been done in the project area. The ambient air quality can be assumed to be typical of background conditions for western Montana. Therefore, particulate levels should be in the 15-20 ug/m<sup>3</sup> range on an annual average.

Air quality monitoring will not be required as a condition of this permit; however, if conditions warrant, it will be required later.

### C. Emission Inventory

The following table lists Contact's emission inventory based on the application of emission factors and the process description supplied in the application. A control efficiency of 90 percent for enclosure and 50 percent for water sprays has been applied. For the purpose of determining potential emissions in this case, enclosure is not considered as control since its primary purpose is for recovery of a valuable product. Calculations for the emission inventory are shown on the worksheet.

Table 1

#### Emission Inventory (Ton/Year)

	Uncontrolled Emissions	Potential Emissions	Actual Emissions
Ore Dumping		4.4	4.4
Ore stockpile		23.0	23.0
Crushing plant	142.4	14.2	12.0
Tailings pond		1.0	1.0
Roads		1.4	1.4
		<u>44.0</u>	<u>41.8</u>

### D. CONTROL TECHNOLOGY REVIEW

1. Mill operations - All equipment will be enclosed. Water sprays will be located at the screens.
2. Chemical dust suppression and watering will be used as necessary in the area to control fugitive emissions.
3. The tailings facility will be kept 80 percent wet during mill operation.

These technologies and work practices constitute BACT for this project.