

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
Air Quality Division

1110 W. Washington Street • Phoenix, AZ 85007 • Phone: (602) 771-2316

MINOR PERMIT REVISION TO AIR QUALITY CONTROL PERMIT

(As required by Title 49, Chapter 3, Article 2, Section 49-426, Arizona Revised Statutes)

This air quality control permit does not relieve applicant of responsibility for meeting all air pollution regulations

1. PERMIT TO BE ISSUED TO (Business license name of organization that is to receive permit) _____

Phelps Dodge Sierrita, Inc., dba Freeport McMoran Copper & Gold-Sierrita

2. NAME (OR NAMES) OF OWNER OR PRINCIPALS DOING BUSINESS AS THE ABOVE ORGANIZATION _____

3. MAILING ADDRESS **P.O. Box 527**

Green Valley, Pima County, AZ 85614

4. ORIGINAL EQUIPMENT LOCATION/ADDRESS **6200 West Duval Mine Road**

Green Valley, Pima County, AZ 85614

5. FACILITIES OR EQUIPMENT DESCRIPTION **Replacement of Secondary crusher #2**

6. THIS PERMIT ISSUED SUBJECT TO THE FOLLOWING ***Conditions as described in attached***

7. ADEQ MINOR REVISION NUMBER **46490** PERMIT CLASS **I**

MINOR REVISION ISSUED THIS _____ DAY OF _____, 2008

SIGNATURE

Nancy C. Wrona, Director, Air Quality Division

TITLE

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MINOR PERMIT REVISION DESCRIPTION

This minor permit revision authorizes Phelps Dodge Sierrita, Inc. dba Freeport McMoran Copper & Gold-Sierrita (FMCGS) to replace the one existing Allis-Chalmers secondary crusher with a new Sandvik H8800 crusher.

With this change, the emissions of particulate matter (PM) and particulate matter below 10 micron size (PM₁₀) will increase by 6.11 tons per year (tpy). The increase in emissions is below the "significant" thresholds of 25 tpy of PM and 15 tpy of PM₁₀. The above change meets the requirements of a minor permit revision as outlined in A.A.C. R18-2-319.A.

ATTACHMENT "B"

SPECIFIC CONDITIONS

Addenda (Minor Permit Revision #46490) to Operating Permit No. M190699P2-99 for

Phelps Dodge Sierrita Inc., dba Freeport-McMoran Copper & Gold-Sierrita

This minor permit revision #46490 issued to FMCGS permits the installation and operation of a new Sandvik H8800 crusher. The new crusher shall be subject to the requirements of Condition III.B.1 (Emission Limitation/Standards) of Attachment "B" of Permit #M190699P2-99.

Condition III.B.2.e shall be added to the Attachment B of Operating Permit #M190699P2-99 as amended by Significant Permit Revision #35636.

III.B.2.e Bi-weekly (Every two weeks) Monitoring Requirements for Point Sources covered by Condition III.B

The Permittee shall conduct a bi-weekly monitoring for point sources covered by Condition III.B as per Condition III.A.2.c.(1) and (2) of Attachment "B".

Following Condition III.D.2 shall replace the Condition III.D.2 in the Attachment B of the operating permit #M190699P2-99 as amended by Significant Permit Revision #35636.

III.D.2 For NSPS equipment

- a. At all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, maintain, and operate the secondary and tertiary crushing circuits (except secondary crushing circuit #2) and the associated wet scrubbers in a manner consistent with good air pollution control practices for minimizing particulate matter emissions.

[40 CFR 60.11(d) & R18-2-331.A.3.e]

- b. At all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, install, maintain, and operate the secondary crushing circuit #2 and the associated FARR Cartridge-Type dust collector in a manner consistent with good air pollution control practices for minimizing particulate matter emissions. [40 CFR 60.11(d) & R18-2-331.A.3.d & e]

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ATTACHMENT "C"

Section IV: Fine Ore Crushing and Tertiary Crushers, row containing Four (4) Secondary Crushers shall be deleted and following shall be added.

ID	EQUIPMENT NAME	CAPACITY	YEAR OF MANUFACTURE/ INSTALLATION	NSPS (Y/N)	MATERIAL HANDLING FACILITY	MAKE, MODEL SIERRITA ID #
	Three (3) Secondary Crushers	5400 tph	ND	ND	N	Allis-Chalmers 1384 Hydrocone Crushers
202	#2 Secondary Crusher	1422.5 tph	2008	Y	N	Sandvik H-8800 Crusher
	#2 Secondary Dust Collector	40,500 acfm	2008	Y	N	FARR Cartridge-Type Dust Collector

