

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 Morenci, Inc., dba Freeport-McMoRan Copper & Gold - Morenci

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

3. MAILING ADDRESS **4521 US Highway 191**

Morenci, Greenlee County, AZ 85540-9795

4. ORIGINAL EQUIPMENT LOCATION/ADDRESS **4521 US Highway 191**

Morenci, Greenlee County, AZ 85540-9795

5. FACILITIES OR EQUIPMENT DESCRIPTION **500 tons per hour Crushing & Screening Plant**

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

7. ADEQ MINOR REVISION NUMBER **46398** PERMIT CLASS **I**

MINOR REVISION ISSUED THIS _____ DAY OF _____, 2008

SIGNATURE

Nancy C. Wrona, Director, Air Quality Division

TITLE

This page left blank intentionally.

MINOR PERMIT REVISION DESCRIPTION

This minor permit revision authorizes Phelps Dodge Morenci, Inc., dba Freeport-McMoRan Copper & Gold – Morenci (FMCGM) to replace the existing 260 tons per hour (tph) crushing & screening plant with a new 500 tph crushing & screening plant. The new crushing and screening plant will consist of a crusher feeder grizzly, jaw crusher, triple deck screen, cone crusher, conveyance systems, and dust suppression systems. This crushing & screening plant provides road base and blast stemming material for use in open pit mining operations.

With this change, the emissions of particulate matter (PM) and particulate matter below 10 micron size (PM₁₀) will increase by 12.17 tons per year (tpy) and 4.41 tpy respectively. 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 #46398) to Operating Permit No. M110734P1-99 for

Phelps Dodge Morenci Inc., dba Freeport-McMoRan Copper & Gold - Morenci

This minor permit revision #46398 issued to FMCGM permits the installation and operation of a new crushing and screening plant comprising of a crusher feeder grizzly, jaw crusher, triple deck screen, cone crusher, conveyance systems, and dust suppression systems. This equipment shall be subject to the requirements of Condition II.A.2 (Emission Limitation/Standards; Affected facility subject to New Source Performance Standards) and Condition II.C.2 (Monitoring, Recordkeeping, and Reporting Requirements for Affected Facilities Subject to the New Source Performance Standards), Attachment “B” of Permit #M110734P1-99.

This page left blank intentionally.

ATTACHMENT "D"

Equipment related to process #019 in Table D-1 of Attachment "D" shall be deleted and the following equipment shall be added:

Process Number	Equipment	Make	Model	Serial Number	Year of Manufacture	Rated Capacity	Existing/ New
019	Scalping Grizzly (6.5" feeding Primary Jaw Crusher and Conveyor #1)	Cedar Rapids	TSH 6203- 32	TBD	2005	500 TPH	New
019	Primary Jaw Crusher	TBD	TBD	TBD	2005	500TPH	New
019	Conveyor Belt #1 (feeding triple deck screen)	Re-Rock	36"	TBD	TBD	500 TPH	New
019	Triple Deck Screen	TBD	TBD	TBD	TBD	500 TPH	New
019	Conveyor Belt #2 (Screen to 3/4" minus Stockpile #2)	TBD	TBD	TBD	TBD	350 TPH	New
019	Conveyor Belt #3 (Screen to 3/4"-2" size Stockpile #3)	TBD	TBD	TBD	TBD	350 TPH	New
019	Conveyor Belt #4 (Screen oversize to Conveyor Belt #5)	TBD	TBD	TBD	TBD	350 TPH	New
019	Conveyor Belt #5 (Conveyor Belt #4 to Cone Crusher)	TBD	TBD	TBD	TBD	350 TPH	New
019	Secondary Cone Crusher	TBD	TBD	TBD	TBD	350 TPH	New
019	Conveyor Belt #6 (Cone Crusher to Conveyor Belt #1)	TBD	TBD	TBD	TBD	350 TPH	New

