

THE STATE



OF WYOMING

JIM GERINGER  
GOVERNOR



## Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

ADMINISTRATION (307) 777-7755 FAX 777-7882	ABANDONED MINES (307) 777-8143 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7366 FAX 777-8537	LAND QUALITY (307) 777-7768 FAX 634-0789	SOLID & HAZARDOUS WASTE (307) 777-7782 FAX 777-8873	WATER QUALITY (307) 777-7781 FAX 777-8973
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May 30, 1995

Ms. Donna L. Wichers, Manager  
ISL Environmental and Regulatory Services  
COGEMA Mining, Inc.  
P.O. Box 730  
Mills, WY 82644



Permit No. OP-254

Dear Ms. Wichers:

The Division of Air Quality has completed its review of COGEMA Mining Incorporated's request to operate a multi-hearth yellowcake dryer at the Irigaray Mine located in Section 9, T45N, R77W, approximately 55 miles southeast of Buffalo, in Johnson County, Wyoming. The project was described in the permit application (AP-624) dated May 2, 1994.

The Air Quality Division issued COGEMA a construction permit (CT-223A) for this facility on October 10, 1994. Start-up of the yellowcake drying circuit occurred on December 6, 1994. Performance tests were conducted on December 13-15, 1994. The tests were determined to be acceptable and demonstrated compliance with the allowable emission rates set forth in CT-223A.

Therefore, the Air Quality Division is satisfied that the facility has been constructed and is operated in accordance with Section 21(e) of the Wyoming Air Quality Standards and Regulations. Approval to operate the facility as specified in the permit application is hereby granted subject to the following conditions of operation:

1. That authorized representatives of the Division of Air Quality be given permission to enter and inspect any property, premise or place on or at which an air pollution source is located or is being constructed or installed for the purpose of investigating actual or potential sources of air pollution, and for determining compliance or non-compliance with any rules, standards, permits, or orders.

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2. That all commitments and descriptions set forth in the application for this permit, unless superseded by a specific condition of this permit, are incorporated herein by this reference and are enforceable as conditions of this permit.
3. That COGEMA Mining, Inc. install, calibrate, maintain, and operate a monitoring device for the continuous measurement of the change in pressure of the gas stream through the scrubber in accordance with Subpart LL of Section 22 in the WAQS&R, Standards of Performance for Metallic Mineral Processing Plants. The monitoring device must be certified by the manufacturer to be accurate within  $\pm 1$  inch water gauge pressure and must be calibrated on an annual basis in accordance with the manufacturer's instructions.
4. That COGEMA Mining, Inc. install, calibrate, maintain, and operate a monitoring device for the continuous measurement of the scrubbing liquid flow rate in accordance with Subpart LL of Section 22 in the WAQS&R, Standards of Performance for Metallic Mineral Processing Plants. The monitoring device must be certified by the manufacturer to be accurate within  $\pm 5\%$  of design scrubbing liquid flow rate and must be calibrated on at least an annual basis in accordance with the manufacturer's instructions.
5. That the allowable particulate emission rates from control equipment associated with the facility shall be assigned as follows:

SOURCE	ALLOWABLE PARTICULATE EMISSION RATE	
	LB/HR	TPY <sup>1</sup>
Soda Ash Baghouse (1,215 SCFM) <sup>2</sup>	0.21	0.92
Dryer/Packaging Unit <sup>3</sup>	0.30	1.31
TOTAL	0.51	2.23
<sup>1</sup> 8,760 operating hours/year <sup>2</sup> Based on 0.02 gr/dscf <sup>3</sup> Allowables based on 1980 stack test		

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6. That at least weekly, COGEMA Mining, Inc. will record the measurements of both the change in pressure of the gas stream across the scrubber and the scrubbing liquid flow rate. Semi-annual reports will be submitted to the Division consisting of occurrences when the measurements of the scrubber pressure loss (or gain) and liquid flow rate exceed the following ranges:

Liquid Flow Avg. During Test - 30.5 gpm  
Gas Pressure Avg. During Test - 53.0" H<sub>2</sub>O

Range: 21.4 - 39.6 gpm  
Range: 37.1 - 68.9" H<sub>2</sub>O

It must be noted that this approval does not relieve you of your obligation to comply with all applicable local, county, state and federal standards, regulations, or ordinances.

If we may be of further assistance to you, please feel free to contact this office.

Sincerely,



Charles A. Collins  
Administrator  
Air Quality Division

CAC/MDW/pr



Dennis Hemmer  
Director  
Dept. of Environmental Quality