

Legal Notice and  
Preliminary Determination for an Air Quality Permit for  
Freeport-McMoRan Tyrone Inc

Freeport-McMoRan Tyrone Inc, PO Box 571 Hwy 90 South Tyrone Mine Road, Tyrone, NM has submitted an air quality permit application to the Air Quality Bureau (AQB), New Mexico Environment Department (NMED) for an air quality permit to modify Tyrone Mine. The application file has been assigned Permit No. PSD2448-M5 and TEMPO Agency Interest ID No. 527. The exact location of the facility is at latitude 32 degrees, 39 minutes, 3 seconds and longitude -108 degrees, 22 minutes, 3 seconds, Datum: WGS84. To aid in locating this facility, the approximate location is 4.5 miles southwest of Tyrone in Grant County.

Previously, the facility received an air quality construction permit and is in operation. The main purpose of the plant is to operate an open pit copper mine which involves process activities such as drilling and blasting of the ore and waste materials. The mined material with higher grade copper is then processed for copper recovery using solution recovery process.

The proposed modification authorizes for mining and hauling activities associated with Gettysburg and Mohawk pits to increase to 200,000 tons per day each (400,000 tpd total mining rate). However, mining in these areas will not increase the overall facility-wide mining rate as they will be offset by a decrease in mining in other areas. Tyrone will add four (4) new non-emergency diesel-fired pump engines to Little Rock Pit (Units OP-4, OP-7, EMP-1, and EMP-2) and one (1) new non-emergency diesel-fired pump engine to South Rim Pit (Unit ENV-117). Only the two (2) worst-case scenario engines will be modeled for Little Rock Pit, as there will never be a scenario where more than two engines are running simultaneously. Reduce the Indian Peak Generator (Unit IPG) to an emergency-use only generator (pursuant to 20.2.72.202.B(3) NMAC). Adding a new diluent to the SX/EW tank (Escaid 110); however, this does not affect the emissions as the combination of chemicals which results in the highest emission rate is represented in the permit application. Modifying the emissions associated with the gasoline dispensing facilities (Units GDF1 and GDF2). Finally, the mining and reclamation activities from NSR Permit 2448-M4 along with the alternate mining rates from NSR 2448M2.

Total air pollutant emissions from combustion and fugitive sources to the atmosphere are estimated to be approximately Nitrogen Oxides (NOx) at 262.5 tons per year (tpy) (+58.3); Carbon Monoxide (CO) at 1622.4 tpy (-62.1); Volatile Organic Compounds (VOC) at 49.4 tpy (+12.3); Sulfur Dioxide (SO<sub>2</sub>) at 23.3 tpy (+9.1); Particulate Matter (PM) at 7,523.5 tpy (+39.8), Particulate Matter 10 microns or less (PM<sub>10</sub>) at 2,011.5 tpy (+105.9), and Particulate Matter 2.5 microns or less (PM<sub>2.5</sub>) at 175.3 tpy (-24.7), and green house gas (CO<sub>2</sub>e) < 75,000 tpy. These emission estimates could change slightly during the course of the Department's review of the application.

The NMED has conducted a preliminary review of the information submitted with the permit application. The preliminary review and applicant's analysis of ambient air quality impacts indicates that the facility's air emissions will meet the air quality standards for NOx, CO, SO<sub>2</sub>, TSP, PM<sub>10</sub>, PM<sub>2.5</sub>. A full review will evaluate the estimated emission rates for the pollutants listed in this public notice and determine compliance with ambient air quality requirements and standards.

Based on the applicant's analysis, a preliminary determination is that this facility will comply with the requirements of Title 20, New Mexico Administrative Code (NMAC), Chapter 2, Parts 7, 61, 70, 71, 72, 73, and 74; 40 CFR 50; 40 CFR 60 Subparts IIII, JJJJ; 40 CFR 63 Subparts ZZZZ, CCCCCC; and the New Mexico Air Quality Control Act. Therefore, the preliminary intent of NMED is to issue the air quality permit on or before August 2, 2020. This source is a PSD minor source according to 20.2.74 NMAC but does have BACT applied to several units.

To ensure compliance with state and federal air regulations, the permit is expected to include conditions that limit the emissions, hours of operation, production rate, and conditions that will require record keeping and reporting to the Department.

Due to the public health emergency order, certain NMED offices are closed to the public. The permit application is available for review on the AQB Public Notices of Permitting Actions website [www.env.nm.gov/air-quality/public-notice-of-permitting-actions/](http://www.env.nm.gov/air-quality/public-notice-of-permitting-actions/). For assistance with viewing this application contact Arianna Espinoza, at 505-476-4367 or [arianna.espinoza@state.nm.us](mailto:arianna.espinoza@state.nm.us).

All interested persons have thirty (30) days from the date this notice is published, to notify the Department in writing of their interest in the permit application. The written comments should refer to the company name, facility name and Permit No. (or send a copy of this notice along with your comments). The written comments shall state the nature of the issues raised and how it relates to the requirements of applicable state and federal air quality regulations and the Clean Air Act. The written comments should be mailed to Joseph Kimbrell, New Mexico Environment Dept., Air Quality Bureau, Permit Section, 525 Camino de los Marquez Suite 1, Santa Fe, NM 87505-1816.

The Department will notify all persons, who have provided written comments as to when and where the Department's analysis may be reviewed. Although all written comments will be made part of the public record, any person who does not express interest in writing before the end of this first thirty (30) day period will not receive such notification.

If the Department receives written public comment before the end of the Department's thirty (30) day public notice, the Department's analysis will be made available for review for thirty (30) days at the NMED district or field office nearest to the source before the permit will be issued. Written comments on the analysis or permit application may be submitted to the Department during this second thirty (30) day period or at any time before the permit is issued or denied.

Questions or comments not intended to be part of the public record can be directed to Joseph Kimbrell at 505-476-4347. General information about air quality and the permitting process can be found at the Air Quality Bureau's web site. The regulation dealing with public participation in the permit review process is 20.2.72.206 NMAC. This regulation can be found in the "Permits" section of this web site. Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-476-5557.

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