

## Summary of Michigan Nonferrous Mining Regulations

Nonferrous (metals other than iron) ores are mined for copper, gold nickel, platinum, silver, zinc and other metals.

Mining of nonferrous metals is regulated under [Part 632 , Nonferrous Metallic Mining and Reclamation](#) , of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA). Part 632 was enacted in December, 2004. Iron mining continues to be regulated under previously existing law, Part 631 of the NREPA.

Part 632 covers all aspects of nonferrous metal mining including transportation, storage, treatment, and disposal of ore, waste rock, and other materials. A permit application under Part 632 must include an environmental impact assessment that describes baseline conditions, expected impacts to the mined area and surrounding affected areas, and alternatives. An application must also include a detailed plan for mining and reclamation that would minimize impacts of the proposed operation, with special emphasis on preventing and controlling acid mine drainage; and a contingency plan for dealing with any accidents or failures.

***Part 632 provides extensive opportunities for public input, including a public meeting on an application and a public hearing on a proposed permit decision. A permit can be granted only if the applicant demonstrates that the mining operation will not pollute, impair, or destroy the air, water, or other natural resources or the public trust in those resources in accordance with the Michigan Environmental Protection Act.***

*(Note: Section 63205(3) The applicant has the burden of establishing that the terms and conditions set forth in the permit application; mining, reclamation, and environmental protection plan; and environmental impact assessment will result in a mining operation that reasonably minimizes actual or potential adverse impacts on air, water, and other natural resources and meets the requirements of this act.)*

Upon completion of mining, the mine site and associated lands must be reclaimed to achieve a self-sustaining ecosystem that does not require perpetual care. Postclosure monitoring of water quality must be continued for at least 20 years, subject to modification after public review. Part 632 requires a mining company to maintain financial assurance throughout the mining operation and the postclosure monitoring period. The financial assurance must cover the cost for the DNRE to conduct any necessary reclamation and remediation measures and must be updated at least every three years. Funding to cover the costs for the DNRE to administer the law comes from permit fees and from annual operating fees based on tons of material mined.

Part 632 contains detailed provisions on reporting of accidents, investigation of complaints, and appeals of DNRE decisions. It provides comprehensive enforcement tools, including suspension of mining operations, revocation of permits, and strict civil and criminal penalties. If a company fails to correct a problem that threatens the environment or public health, the DNRE can take direct action to prevent and remediate any damage and pursue legal action to recover costs from the company.

The DNRE has promulgated rules under Part 632 to provide details on permit requirements, environmental assessments, mining and reclamation plans, and financial assurance. The rules include standards for construction, operation, and closure of nonferrous metallic mines, and set criteria for water monitoring, treatment and containment of ore and waste rock, and reporting.

Parties preparing a Part 632 Permit Application are encouraged to contact the OGS Minerals & Mapping Unit prior to developing materials to be submitted.

### **324.63203 Nonferrous metallic mineral mining; administration and enforcement; rules; regulation or control by local units of government.**

Sec. 63203.

(1) The department shall administer and enforce this part in order to regulate nonferrous metallic mineral mining. In addition to other powers granted to it, the department may promulgate rules it considers necessary to carry out its duties under this part, including standards for construction, operation, closure, postclosure monitoring, reclamation, and remediation of a nonferrous metallic mineral mine. However, the department shall not promulgate any additional rules under this part after February 15, 2006.

(2) The department may do either of the following:

(a) Enter at all reasonable times in or upon a mining area for the purpose of inspecting and investigating conditions relating to the operation of a mining area. However, an investigation or inspection under this subsection shall comply with the United States constitution, the state constitution of 1963, and this section.

(b) Conduct research or enter into contracts related to mining areas and the reclamation of mining areas as may be necessary to implement this part.

(3) Subject to subsections (4) and (5), a local unit of government shall not regulate or control mining or reclamation activities that are subject to this part, including construction, operation, closure, postclosure monitoring, reclamation, and remediation activities, and does not have jurisdiction concerning the issuance of permits for those activities.

(4) A local unit of government may enact, maintain, and enforce ordinances, regulations, or resolutions affecting mining operations if the ordinances, regulations, or resolutions do not duplicate, contradict, or conflict with this part. In addition, a local unit of government may enact, maintain, and enforce ordinances, regulations, or resolutions regulating the hours at which mining operations may take place and routes used by vehicles in connection with mining operations. However, such ordinances, regulations, or resolutions shall be reasonable in accommodating customary nonferrous metallic mineral mining operations.

(5) Subsections (3) and (4) do not prohibit a local unit of government from conducting water quality monitoring.

History: Add. 2004, Act 449, Imd. Eff. Dec. 27, 2004 ;-- Am. 2005, Act 299, Imd. Eff. Dec. 21, 2005

### **324.63205 Mining permit; application procedure.**

Sec. 63205.

(1) A person shall not engage in the mining of nonferrous metallic minerals except as authorized in a mining permit issued by the department.

(2) An application for a mining permit shall be submitted to the department in a format to be developed by the department. The application shall be accompanied by all of the following:

(a) A permit application fee of \$5,000.00. The department shall forward all permit application fees received under this section to the state treasurer for deposit in the fund.

(b) An environmental impact assessment for the proposed mining operation that describes the natural and human-made features, including, but not limited to, flora, fauna, hydrology, geology, and geochemistry, and baseline conditions in the proposed mining area and the affected area that may be impacted by the mining, and the potential impacts on those features from the proposed mining operation. The environmental impact assessment shall define the affected area and shall address feasible and prudent alternatives.

(c) A mining, reclamation, and environmental protection plan for the proposed mining operation, including beneficiation operations, that will reasonably minimize the actual and potential adverse impacts on natural resources, the environment, and public health and safety within the mining area and the affected area. The plan shall address the unique issues associated with nonferrous metallic mining and shall include all of the following:

(i) A description of materials, methods, and techniques that will be utilized.

(ii) Information that demonstrates that all methods, materials, and techniques proposed to be utilized are capable of accomplishing their stated objectives in protecting the environment and public health, except that such information may not be required for methods, materials, and techniques that are widely used in mining or other industries and are generally accepted as effective. The required information may consist of results of actual testing, modeling, documentation by credible independent testing and certification organizations, or documented applications in similar uses and settings.

(iii) Plans and schedules for interim and final reclamation of the mining area following cessation of mining operations.

(iv) A description of the geochemistry of the ore, waste rock, overburden, peripheral rock, and tailings, including characterization of leachability and reactivity.

(v) Provisions for the prevention, control, and monitoring of acid-forming waste products and other waste products from the mining process so as to prevent leaching into groundwater or runoff into surface water.

(d) A contingency plan that includes an assessment of the risk to the environment or public health and safety associated with potential significant incidents or failures and describes the operator's notification and response plans. When the application is submitted to the department, the applicant shall provide a copy of the contingency plan to each emergency management coordinator having jurisdiction over the affected area.

(e) Financial assurance as described in section 63211.

(f) A list of other state and federal permits that are anticipated to be required.

***(3) The applicant has the burden of establishing that the terms and conditions set forth in the permit application; mining, reclamation, and environmental protection plan; and environmental impact assessment will result in a mining operation that reasonably minimizes actual or potential adverse impacts on air, water, and other natural resources and meets the requirements of this act.***

(4) Effective 14 days after the department receives an application for a mining permit, the application shall be considered to be administratively complete unless the department proceeds as provided under subsection (5).

(5) If, before the expiration of the 14-day period under subsection (4), the department notifies the applicant that the application is not administratively complete, specifying the information necessary to make the application administratively complete, or notifies the applicant that the fee required to accompany the application has not been paid, specifying the amount due, the running of the 14-day period under subsection (4) is tolled until the applicant submits to the department the specified information or fee amount due. The notice shall be given in writing or electronically.

(6) Within 42 days after an application for a mining permit is determined to be administratively complete, the department shall PART 632 NONFERROUS METALLIC MINERAL MINING  
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hold a public meeting on the application. The department shall give notice of the public meeting not less than 14 or more than 28 days before the date of the public meeting. The notice shall specify the time and place of the public meeting, which shall be held in the county where the proposed mining operation is located, and shall include information on how to review a copy of the application. The notice shall be given in writing to the city, village, or township and the county where the proposed mining operation is to be located and to all affected federally recognized Indian tribes in this state. The notice shall also be given by publication in a newspaper of local distribution in the area where the proposed mining operation is to be located.

(7) The department shall accept written public comment on the permit application for 28 days following the public meeting under subsection (6). Within 28 days after the expiration of the public comment period, the department shall reach a proposed decision to grant or deny a mining permit and shall establish a time and place for a public hearing on the proposed decision. The department shall give notice of the public hearing not less than 14 or more than 28 days before the date of the public hearing. The notice shall be given in writing to the city, village, or township and the county where the proposed mining operation is to be located and to all affected federally recognized Indian tribes in this state. The notice shall also be given by publication in a newspaper of local distribution in the area where the proposed mining operation is to be located. The notice shall contain all of the following:

(a) A summary of the permit application.

(b) Information on how to review a complete copy of the application. The application shall be made available at a public location in the area.

(c) A listing of other permits and hearings that are pending or anticipated under this act with respect to the proposed mining operation.

(d) The time and place of the public hearing, which shall be held in the area where the proposed mining operation is located.

(8) The department shall accept written public comment on the proposed decision to grant or deny a mining permit for 28 days following the public hearing. At the expiration of the public comment period, the department shall issue a report summarizing all comments received and providing the department's response to the comments.

(9) Within 28 days after the expiration of the public comment period under subsection (8), the department shall grant or deny the mining permit application in writing. A determination that an application is administratively complete does not preclude the department from requiring additional information from the applicant. The 28-day period under this subsection shall be tolled until such time as the applicant submits the requested information. If a mining permit is denied, the reasons shall be stated in a written report to the applicant.

(10) A mining permit shall not be issued or transferred to a person if the department has determined that person to be in violation of this part, rules promulgated under this part, the permit, or an order of the department under this part, unless the person has corrected the violation or the person has agreed in writing to correct the violation pursuant to a compliance schedule approved by the department.

(11) Subject to subsection (10), the department shall approve a mining permit if it determines both of the following:

(a) The permit application meets the requirements of this part.

**(b) *The proposed mining operation will not pollute, impair, or destroy the air, water, or other natural resources or the public trust in those resources, in accordance with part 17 of this act. In making this determination, the department shall take into account the extent to which other permit determinations afford protection to natural resources. For the purposes of this subsection, excavation and removal of nonferrous metallic minerals and of associated***

***overburden and waste rock, in and of itself, does not constitute pollution, impairment, or destruction of those natural resources.***

(12) The department shall deny a mining permit if it determines the requirements of subsection (11) have not been met.

(13) Terms and conditions that are set forth in the permit application and the mining, reclamation, and environmental protection plan and that are approved by the department shall be incorporated in and become a part of the mining permit.

(14) A mining permit is not effective until all other permits required under this act for the proposed mining operation are obtained.

(15) If a person submits an application for a mining permit and 1 or more other permits under this act with respect to a particular mining operation, the department may process the applications in a coordinated fashion to the extent feasible given procedural requirements applicable to individual permits. The coordinated permit process may include consolidating public hearings under this part with public hearings required under other parts of this act. Any notice of a consolidated public hearing

shall state clearly which permits are to be considered at the public hearing. An applicant may waive any required timelines under subsections (4) to (9) to facilitate the coordination.

History: Add. 2004, Act 449, Imd. Eff. Dec. 27, 2004

**324.63207 Mining permit; duration; termination; revocation; transfer; amendment.**