

1 Department of Natural Resources

2

3 Adopted Permanent Rules Relating to Nonferrous Metallic Mineral
4 Mineland Reclamation

5

6 Rules as Adopted

7

GENERAL PROVISIONS

8 6132.0100 DEFINITIONS.

9 Subpart 1. Scope. The terms in parts 6132.0100 to
10 6132.5300 have the meanings given them in this part.

11 Subp. 2. Acceptable research. "Acceptable research" means
12 research approved by the commissioner that is site-related and
13 is reasonably designed for the purpose of demonstrating that
14 reclamation can be achieved by alternative methods.

15 Subp. 3. Adversely impact natural resources. "Adversely
16 impact natural resources" means an unacceptable level of impact
17 on the natural resources as determined by the commissioner based
18 on an evaluation which considers the value of the resource and
19 the degree of impact.

20 Subp. 4. Auxiliary facilities. "Auxiliary facilities"
21 means all permittee-owned stationary physical property used in a
22 mining operation, including but not limited to: power plants
23 and associated facilities; transmission lines; pipelines; roads;
24 railroads; docks and associated facilities; borrow areas and
25 leased borrow areas and associated facilities; blasting agent
26 and fuel production or preparation facilities; and parking
27 areas, shops, offices, buildings, structures, and storage
28 facilities located within the area where mining is conducted.
29 This does not include common carrier transportation facilities.

30 Subp. 5. Beneficiating plants. "Beneficiating plants"
31 means all metallic mineral processing plants, such as crushers,
32 mills, concentrators, agglomerating facilities, smelters,
33 refineries, and other metal-producing facilities.

34 Subp. 6. Closure. "Closure" means the process of
35 terminating and completing final steps in reclaiming any

1 specific portion of a mining operation. Closure begins when, as
2 prescribed in the permit to mine, there will be no renewed use
3 or activity by the permittee.

4 Subp. 7. **Commissioner.** "Commissioner" means the
5 commissioner of natural resources, or the commissioner's
6 designated representative.

7 Subp. 8. **Goals.** "Goals" means reclamation targets of
8 achievement toward which the specific requirements of parts
9 6132.0100 to 6132.5300 are directed.

10 Subp. 9. **Heap and dump leaching.** "Heap and dump leaching"
11 means a hydrometallurgical process that extracts metals from
12 broken rock piles, called heaps or dumps, by application of
13 leaching solutions.

14 Subp. 10. **Heap and dump leaching facilities.** "Heap and
15 dump leaching facilities" means all land forms, structures,
16 equipment, and material that contact, process, contain, collect,
17 or confine leaching solutions associated with the
18 hydrometallurgical processing of heaps and dumps.

19 Subp. 11. **In-situ leaching.** "In-situ leaching" means a
20 hydrometallurgical process that extracts metals from rock
21 formations that have not been removed from the ground, using
22 leaching solutions that are applied to and collected from wells
23 or mine workings that have been developed within the
24 metal-bearing rock formations.

25 Subp. 12. **Leached ore.** "Leached ore" means the rock mass
26 that remains after metals have been removed by heap and dump
27 leaching.

28 Subp. 13. **Leaching solutions.** "Leaching solutions" means
29 hydrometallurgical processing fluids that extract metals from
30 mineralized rock.

31 Subp. 14. **Lean ore.** "Lean ore" means rock containing
32 metallic mineralization that is not profitable to process using
33 technologies that exist at the mining operation.

34 Subp. 15. **Metallic mineral.** "Metallic mineral" means a
35 naturally formed chemical, element, or compound having a
36 definite chemical composition and, usually, a characteristic

1 crystal form, from which a metal, metals, or metal oxides can be
2 extracted by metallurgical processes.

3 Subp. 16. **Mine waste.** "Mine waste" means a material, such
4 as surface overburden, rock, lean ore, leached ore, or tailings
5 that in the process of mining and beneficiation has been exposed
6 or removed from the earth.

7 Subp. 17. **Minimize to the extent practicable.** "Minimize
8 to the extent practicable" means minimize through application of
9 technologies and practices including methods, specifications,
10 guidelines, standards, and engineering safety factors, developed
11 for and commonly used in mining or in reasonably similar
12 activities. These technologies and practices shall be
13 determined by the commissioner, based on problem assessment,
14 examination of alternative practices, and input from appropriate
15 regulatory authorities, to be the most effective and workable
16 means of achieving reclamation, including being technologically,
17 economically, and practically applicable.

18 Subp. 18. **Mining.** "Mining" means the process of removing;
19 stockpiling; processing; storing; transporting, excluding use of
20 common carriers and public transportation systems; and
21 reclaiming a material in connection with the commercial
22 production of metallic minerals.

23 Subp. 19. **Mining area or area subjected to mining.**
24 "Mining area" or "area subjected to mining" means an area of
25 land from which material is removed in connection with the
26 production or extraction of metallic minerals; the lands on
27 which material from the mining is deposited; the lands on which
28 beneficiating plants, heap and dump leaching facilities, and
29 auxiliary facilities are located; lands on which the water
30 reservoirs used in the mining process are located; and auxiliary
31 lands that are used or intended to be used in a particular
32 mining operation.

33 Subp. 20. **Mining operation.** "Mining operation" means all
34 of a mining project without regard to political, administrative,
35 or ownership boundaries, which includes all of the facilities
36 used in mining as defined in subpart 18.

1 Subp. 21. **Natural resources.** "Natural resources" means
2 all mineral, animal, botanical, air, water, land, timber, soil,
3 quietude, recreational, historical, scenic, and aesthetic
4 resources in accordance with Minnesota Statutes, section
5 116B.02, subdivision 4.

6 Subp. 22. **Nonferrous metallic mineral.** "Nonferrous
7 metallic mineral" means a metallic mineral from which iron is
8 not the predominant metal extracted.

9 Subp. 23. **Passive reclamation methods.** "Passive
10 reclamation methods" means techniques or practices that require
11 minimal maintenance to sustain reclamation.

12 Subp. 24. **Permit to mine.** "Permit to mine" means legal
13 approval issued by the commissioner to conduct a mining
14 operation.

15 Subp. 25. **Person.** "Person" means a firm, partnership,
16 corporation, joint venture, or other legal entity.

17 Subp. 26. **Postclosure maintenance.** "Postclosure
18 maintenance" means an activity that may be required to sustain
19 reclamation after cessation of a mining operation.

20 Subp. 27. **Progressive reclamation.** "Progressive
21 reclamation" means mining in a manner that creates areas that
22 can be reclaimed as soon after initiation of the operation as
23 practical and as continuously as practical throughout the life
24 of the operation.

25 Subp. 28. **Reactive mine waste.** "Reactive mine waste"
26 means waste that is shown through characterization studies to
27 release substances that adversely impact natural resources.

28 Subp. 29. **Reclamation.** "Reclamation" means the activities
29 that successfully accomplish the requirements of parts 6132.2000
30 to 6132.3200.

31 Subp. 30. **Reference area.** "Reference area" means a
32 vegetated land unit approved by the commissioner for
33 comparatively measuring reclamation vegetation success.

34 Subp. 31. **Storage pile.** "Storage pile" means a land form
35 used for the disposal of material generated during mining, such
36 as surface overburden, rock, lean ore, and leached ore. It does

1 not include tailings basins, fossil fuel, finished product, or
2 surge piles.

3 Subp. 32. **Surface overburden.** "Surface overburden" means
4 naturally occurring unconsolidated material overlying bedrock,
5 consisting of broken rock fragments or organic material.

6 Subp. 33. **Tailings.** "Tailings" means waste by-products of
7 mineral beneficiating processes other than heap and dump
8 leaching, consisting of rock particles, which have usually
9 undergone crushing and grinding, from which the profitable
10 mineralization has been separated.

11 Subp. 34. **Waste rock.** "Waste rock" means rock that may or
12 may not contain metallic mineralization, but that is in either
13 case not profitable to process using known technologies.

14 6132.0200 PURPOSE AND POLICY.

15 The purpose of parts 6132.0100 to 6132.5300 is to implement
16 Minnesota Statutes, sections 93.44 to 93.51, to control possible
17 adverse environmental effects of nonferrous metallic mineral
18 mining, to preserve natural resources, and to encourage planning
19 of future land utilization, while at the same time promoting
20 orderly development of nonferrous metallic mineral mining,
21 encouragement of good mining practices, and recognition and
22 identification of the beneficial aspects of nonferrous metallic
23 mineral mining.

24 To accomplish the purposes of parts 6132.0100 to 6132.5300,
25 it is the policy of the Department of Natural Resources that
26 mining be conducted in a manner that will reduce impacts to the
27 extent practicable, mitigate unavoidable impacts, and ensure
28 that the mining area is left in a condition that protects
29 natural resources and minimizes to the extent practicable the
30 need for maintenance. This shall be accomplished according to
31 parts 6132.0100 to 6132.5300 through the use of mining, mine
32 waste management, and passive reclamation methods that maximize
33 physical, chemical, and biological stabilization of areas
34 disturbed by mining, as opposed to the use of ongoing active
35 treatment technologies. The department recognizes that in some

1 cases passive treatment alone will not entirely meet all
2 reclamation goals. In these cases, active treatment
3 technologies may be necessary and provisions for continued
4 maintenance of the treatments will be required.

5 Because of the unique character of each mining operation
6 and the extreme diversity of the possible types and sizes of
7 operations, specific permit requirements shall be established
8 within the framework established by parts 6132.0100 to
9 6132.5300. Permit terms and conditions shall be directed toward
10 attaining the goals while fulfilling the requirements described
11 in parts 6132.0100 to 6132.5300.

12 6132.0300 SCOPE.

13 Subpart 1. **Permit required.** No person shall conduct a
14 mining operation for nonferrous metallic minerals in this state
15 without first obtaining a permit to mine from the commissioner.
16 For the purpose of this subpart, a person must possess adequate
17 capital and provide financial and operational decision making
18 necessary to conduct the mining operation.

19 Subp. 2. **Joint applications.** When two or more persons are
20 or will be engaged in a mining operation, all persons shall join
21 in the application, and the permit to mine shall be issued
22 jointly.

23 Subp. 3. **Term of permit to mine.** The term of a permit to
24 mine shall be the period determined necessary by the
25 commissioner for the completion of the proposed mining operation
26 including postclosure maintenance, based on information provided
27 under part 6132.1100.

28 Subp. 4. **Applicability.** Parts 6132.0100 to 6132.5300
29 apply to nonferrous metallic mineral mining operations, except
30 where iron is the predominant metal extracted, as follows:

31 A. to all portions of a mining operation initiated
32 after the effective date of parts 6132.0100 to 6132.5300,
33 including new operations and reactivated inactive operations;
34 and

35 B. until adequate studies are completed to determine

1 the extent to which regulation may be necessary and rules are
 2 adopted, no permit to mine shall be issued under parts 6132.0100
 3 to 6132.5300 to a mining operation that includes:

4 (1) the mining of radioactive ores for the
 5 commercial production of uranium, thorium, or any other material
 6 that is determined by the Nuclear Regulatory Commission to be
 7 essential to the production of fissionable materials; or

8 (2) in-situ leaching as part of the beneficiating
 9 process.

10 Subp. 5. **Other rules, statutes, or ordinances.** Nothing in
 11 parts 6132.0100 to 6132.5300 waives the requirements of other
 12 applicable rules, statutes, or ordinances of a state or federal
 13 agency or political subdivision.

14 **PERMIT REQUIREMENTS**

15 **6132.1000 MINE WASTE CHARACTERIZATION.**

16 **Subpart 1. Mine waste characterization conference.**

17 Persons intending to submit an application for a permit to mine
 18 shall meet with the commissioner to outline chemical and
 19 mineralogical analyses and laboratory tests to be conducted for
 20 mine waste characterization. This characterization will be used
 21 by the commissioner in the evaluation of the applicant's mining
 22 and reclamation plan.

23 **Subp. 2. Mine waste characterization.** Mine waste
 24 characterization shall be conducted by an-independent-party
 25 persons with demonstrated proficiency in such analysis and
 26 approved by the commissioner. The characterization shall be
 27 based on chemical, physical, and mineralogical analyses and
 28 laboratory tests of material generated by exploration,
 29 preproduction sampling, and process testing.

30 **A.** The mine waste characterization shall include:

31 (1) chemical analysis of mine waste;

32 (2) mineralogical and petrological analysis of
 33 mine waste; and

34 (3) laboratory tests describing acid generation
 35 and dissolved solids release from mine waste.

1 B. For reagents associated with tailings or leached
2 ore materials, the following information shall be provided:

- 3 (1) chemical composition;
4 (2) mass of chemical used;
5 (3) degradation and transport characteristics;

6 and

7 (4) effects on mineral dissolution as measured in
8 item A, subitem (3), or item C, subitem (3).

9 C. Based on the results of the analyses and tests of
10 items A and B, the commissioner may require additional mine
11 waste characterization including, but not limited to, the
12 following:

- 13 (1) particle size distribution;
14 (2) chemical composition, mineralogical
15 composition, and specific surface area as a function of particle
16 size; and

17 (3) laboratory dissolution tests to describe the
18 effect of rock composition, in particular, acid-producing and
19 acid-consuming mineral content, on acid generation and dissolved
20 solids release.

21 Subp. 3. Results of characterization. The results of the
22 mine waste characterization shall be submitted as follows:

23 A. to the commissioner as a part of the permit to
24 mine at the following times:

- 25 (1) on submission of an application for a permit
26 to mine under part 6132.1100, subpart 6, item B, subitem (1);

27 and

28 (2) throughout the life of the operation as part
29 of the annual report under part 6132.1300, subpart 2, item E;

30 and

31 B. to regulatory agencies establishing water quality
32 and compliance monitoring standards.

33 6132.1100 PERMIT APPLICATIONS.

34 Subpart 1. Preapplication conferences and site visits.

35 Before the preparation of an application for a permit to mine,

1 persons intending to submit an application shall meet with the
2 commissioner for a preapplication conference and site visit.
3 The purpose is to review the proposed mining operation and to
4 provide direction on the preparation of an application for a
5 permit to mine. In conjunction with the preapplication
6 conference, the commissioner shall hold a public informational
7 meeting with the assistance of the applicant and invite the
8 participation of the Minnesota Pollution Control Agency, the
9 Environmental Quality Board, and the local unit of government.
10 A notice of the meeting shall be published once at least 30 days
11 before the meeting as follows:

12 A. by the commissioner in the State Register and the
13 EQB Monitor; and

14 B. by the applicant in a qualified newspaper under
15 Minnesota Statutes, section 331A.02, that is circulated in the
16 locality of the proposed operation.

17 Subp. 2. **Application.** An application for a permit to mine
18 shall be submitted in duplicate by the applicant to the
19 commissioner.

20 Subp. 3. **Documents.** To comply with statutory
21 requirements, the applicant shall submit:

22 A. the advertisement and affidavit of publication
23 according to parts 6132.4000, subpart 1, and 6132.4900;

24 B. a copy of the certificate of authority to transact
25 business in Minnesota if the applicant is a foreign corporation
26 as defined in Minnesota Statutes, sections 300.02 and 303.02;

27 C. a certificate issued by an insurance company
28 authorized to do business in the United States under Minnesota
29 Statutes, section 93.481, subdivision 1, clause (b), confirming
30 that the applicant has a public liability insurance policy in
31 force for the mining operation for which the permit is sought or
32 evidence that the applicant has satisfied other state or federal
33 self-insurance requirements, to provide personal injury and
34 property damage protection in an amount adequate to compensate
35 persons who might be damaged as a result of the mining operation
36 or any reclamation or restoration connected with the operation;

1 and

2 D. documents relating to financial assurance under
3 part 6132.1200.

4 Subp. 4. Organizational structure. The applicant shall
5 submit the following information on organizational structure:

6 A. the post office address of the applicant;

7 B. the organizational structure of the applicant
8 including, but not limited to, parent companies, owners,
9 principal stockholders, partners, and joint venturers;

10 C. managing agents or subsidiaries that are or may be
11 involved in the mining operation; and

12 D. organizational relationships between or among
13 joint applicants.

14 Subp. 5. Environmental setting. To describe the
15 environmental setting of the proposed mining area, the applicant
16 shall submit:

17 A. a copy of the draft environmental impact statement
18 and all environmental reports prepared relative to the mining
19 operation; and

20 B. environmental setting maps prepared as overlays to
21 7-1/2 minute United States Geological Survey quadrangle maps or
22 other maps of the same scale delineating the mining area and
23 adjacent lands as required by the commissioner to show the areas
24 directly or indirectly affected by mining. The following
25 information as it exists at the time of application shall be
26 submitted on the overlays:

27 (1) bedrock geology, including the general shape
28 of the ore body and appropriate cross sections that show the
29 horizontal and vertical relationships;

30 (2) water basins, water courses, and wetlands
31 that are or could be affected by mining;

32 (3) boundaries of watersheds that are or could be
33 affected by mining;

34 (4) identification and description of
35 hydrogeologic information including, but not limited to:

36 (a) plan view and cross section maps of

1 overburden and rock features; and

2 (b) description of features on maps

3 including, but not limited to, well locations, uses, well logs,
4 pumping rates, and capacities;

5 (5) surface water and groundwater compliance
6 monitoring sites as well as water quality and toxicity standards
7 established by other regulatory authorities;

8 (6) a soil inventory including soil type, extent,
9 and thickness;

10 (7) recorded locations of rare, endangered, and
11 threatened species;

12 (8) past mining facilities including storage
13 piles, tailings basins, mines, and beneficiating plants;

14 (9) recorded archeological or historic sites;

15 (10) all known surface and subsurface uses, such
16 as pipelines and cables;

17 (11) areas identified ~~as-sites~~ under part
18 6132.2000;

19 (12) zoning ordinances and associated land use
20 plans applicable to the proposed mining area; and

21 (13) surface and mineral rights ownership within
22 the mining area based on information of record in the county
23 recorder's office. An owner's agent may be identified in place
24 of the owner.

25 Subp. 6. Mining and reclamation plan. The mining and
26 reclamation plan shall be based on discussions between the
27 applicant and the commissioner at the preapplication conference
28 and on results from the mine waste characterization. The mining
29 and reclamation plan shall describe:

30 A. the operating life of the mine, including the rate
31 of mining and anticipated changes in that rate;

32 B. the mining activities to be conducted, including:

33 (1) the types, amounts, sequence, and schedule
34 ~~for~~ of mining the ore body and storage piling materials,
35 including the distinctions among ore, lean ore, and waste rock;
36 and

1 (2) the ore beneficiating process, including a
2 discussion of the type and amount of chemicals to be added and
3 the types, amounts, sequence, schedule, and means of tailings
4 disposal;

5 C. the engineering design, methods, sequence, and
6 schedules of reclamation including closure and postclosure
7 maintenance that address the goals and meet the requirements of
8 parts 6132.2000 to 6132.3200, including anticipated reclamation
9 research; and

10 D. the mine waste characterization.

11 Subp. 7. **Mining and reclamation maps.** The applicant shall
12 submit maps and cross sections containing all features normally
13 found ~~an~~ on a United States Geological Survey quadrangle map, at
14 a scale that is normally used by the operator for mine planning
15 purposes, that:

16 A. define the shape and extent of the ore body that
17 will support the operating life of the mine;

18 B. identify lands proposed for use as vegetative
19 reference areas;

20 C. show the detailed drainage patterns for waters
21 that may contact reactive mine wastes; and

22 D. show, at intervals during mining approved by the
23 commissioner based on the preapplication conference, the status
24 of:

25 (1) mining the ore body;

26 (2) watershed and hydrogeologic modifications;

27 and

28 (3) construction, including shape, extent, and
29 content, and reclamation, including contouring, covering,
30 temporary stabilization, vegetation, closure, and postclosure
31 maintenance, of each of the following: storage pile, tailings
32 basin, mine, reservoir, dam, diversion channel, drainage
33 control, settling basin, heap and dump leaching facility, and
34 auxiliary facility.

35 Subp. 8. **First year of operation.** A detailed plan for the
36 activities planned during the first year of operation shall be

1 submitted as part of the permit application. The plan shall
2 include all of the information required by part 6132.1300,
3 subparts 3 to 6.

4 6132.1200 FINANCIAL ASSURANCE.

5 Subpart 1. Purpose. The purpose of financial assurance is
6 to ensure that there is a source of funds to be used by the
7 commissioner if the permittee fails to perform:

8 A. reclamation activities including closure and
9 postclosure maintenance needed if operations cease; and

10 B. corrective action as required by the commissioner
11 if noncompliance with design and operating criteria in the
12 permit to mine occurs.

13 Subp. 2. Contingency reclamation cost estimates. Persons
14 intending to conduct a mining operation shall submit, as part of
15 the application for a permit to mine, a documented estimate of
16 costs necessary to implement the contingency reclamation plan
17 under part 6132.1300, subpart 4. This estimate shall include
18 closure and postclosure maintenance activities required if
19 operations cease within the first calendar year.

20 A. The permittee shall annually adjust the
21 contingency reclamation cost estimate under part 6132.1300,
22 subpart 4.

23 B. Cost estimates shall be based on the following:
24 (1) current dollar value at the time of the
25 estimate; and

26 (2) the cost to the commissioner of administering
27 and hiring a third party to implement the contingency
28 reclamation plan.

29 C. No salvage value attributed to the sale of wastes,
30 facility structures, equipment, land, or other assets shall be
31 used for estimating purposes.

32 Subp. 3. Corrective action cost estimates. When the
33 commissioner determines that a corrective action plan is
34 required under part 6132.3100, subpart 2, item B, subitem (2),
35 the permittee shall submit a documented estimate of costs to

1 perform the corrective action before implementation.

2 A. The permittee shall annually adjust cost estimates
3 for corrective action undertaken according to an approved
4 corrective action plan under part 6132.1300, subpart 5.

5 B. Cost estimates shall be based on the following:

6 (1) current dollar value at the time of the
7 estimate; and

8 (2) the cost to the commissioner of administering
9 and hiring a third party to conduct corrective action activities.

10 Subp. 4. **Management of financial assurance.** Financial
11 assurance shall be managed according to items A to H.

12 A. The commissioner shall evaluate all financial
13 assurance cost estimates and adjustments to cost estimates using
14 individuals with documented experience in material handling and
15 construction and mining costs. Costs incurred by the
16 commissioner in hiring third parties to perform the evaluation
17 must be paid by the applicant.

18 B. Financial assurance in the amount equal to the
19 contingency reclamation cost estimate under subpart 2 shall be:

20 (1) submitted to the commissioner for approval
21 before issuance of a permit to mine and before granting an
22 amendment to the permit;

23 (2) continuously maintained by the permittee; and

24 (3) annually adjusted as follows:

25 (a) if the new cost estimate approved by the
26 commissioner is greater than the amount of the existing
27 financial assurance, the permittee shall provide additional
28 financial assurance in an amount equal to the increase; or

29 (b) if the new cost estimate approved by the
30 commissioner is less than the amount of existing financial
31 assurance, the permittee shall be released from maintaining
32 financial assurance in an amount equal to the decrease.

33 C. Financial assurance in the amount equal to the
34 corrective action cost estimate under subpart 3 shall be:

35 (1) submitted to the commissioner for approval as
36 part of the corrective action cost estimate under subpart 3;

1 (2) continuously maintained by the permittee
2 until the commissioner determines it is no longer necessary; and

3 (3) annually adjusted as follows:

4 (a) if the new cost estimate approved by the
5 commissioner is greater than the amount of the existing
6 financial assurance, the permittee shall provide additional
7 financial assurance in an amount equal to the increase; or

8 (b) if the new cost estimate approved by the
9 commissioner is less than the amount of existing financial
10 assurance, the permittee shall be released from maintaining
11 financial assurance in an amount equal to the decrease.

12 D. Financial assurances may be canceled by the
13 permittee, on approval by the commissioner, only after it is
14 replaced by an alternate mechanism or after the permittee is
15 released from financial assurance according to item H.

16 E. The permittee must ensure that the provider of
17 financial assurance gives the commissioner 120 days' notice
18 prior to cancellation of the financial assurance mechanism.
19 Upon receipt of this notice, the commissioner shall initiate a
20 proceeding to access the financial assurance according to part
21 ~~6132.1300~~ 6132.1200, subpart 6.

22 F. If the permit to mine is assigned under part
23 6132.4700, the new permittee must be in compliance with
24 requirements of this part before the commissioner approves the
25 assignment. On the assignee's demonstration of compliance with
26 this part, the former permittee shall be released from the
27 requirements of this part.

28 G. Financial assurance must meet the criteria of
29 subpart 5.

30 H. The commissioner shall release the permittee from
31 the responsibility to maintain financial assurance when the
32 commissioner determines, through inspection of the mining area,
33 that:

34 (1) all reclamation activities have been
35 completed according to this part and the permit to mine;

36 (2) conditions necessitating postclosure

1 maintenance no longer exist and are not likely to recur; and
2 (3) corrective actions have been successfully
3 accomplished.

4 Subp. 5. **Criteria for financial assurance.** Financial
5 assurance for reclamation and for corrective action must meet
6 the following criteria:

7 A. assurance of funds sufficient to cover the costs
8 estimated under subparts 2 and 3;

9 B. assurance that the funds will be available and
10 made payable to the commissioner when needed;

11 C. assurance that the funds will be fully valid,
12 binding, and enforceable under state and federal law;

13 D. assurance that the funds will not be dischargeable
14 through bankruptcy; and

15 E. all terms and conditions of the financial
16 assurance must be approved by the commissioner. The
17 commissioner, in evaluating financial assurance, shall use
18 individuals with documented experience in the analysis. The
19 reasonable cost of the evaluation shall be paid by the applicant.

20 Subp. 6. **Forfeiture of financial assurance.** Financial
21 assurance must be made available to the commissioner under items
22 A to C when the operator is not in compliance with either the
23 contingency reclamation plan or the corrective action plan.

24 A. A proceeding to access financial assurance shall
25 be commenced by:

26 (1) serving an order to forfeit the financial
27 assurance on the person, institution, or trustee holding the
28 financial assurance; and

29 (2) serving a notice of measures required to
30 correct the situation and the time available for correction on
31 the permittee.

32 B. If conditions that provided grounds for the order
33 are corrected within a period established by the commissioner
34 and if measures approved by the commissioner are taken to ensure
35 that the conditions do not recur, the proposed order shall be
36 canceled.

1 C. If the conditions that provided grounds for the
2 order are not corrected, the commissioner shall proceed with
3 accessing and expending the funds provided by this part to
4 implement the contingency reclamation or corrective action plans.

5 Subp. 7. Failure to comply. The commissioner may take one
6 or more of the following actions if failure to comply with any
7 portion of this part occurs:

- 8 A. deny the permit to mine;
9 B. suspend the permit to mine under part 6132.4500;
10 C. assess civil penalties under part 6132.5100;
11 D. revoke the permit to mine under part 6132.4600; or
12 E. modify the permit to mine under part 6132.4300.

13 6132.1300 ANNUAL REPORT.

14 Subpart 1. Purpose. The purpose of the annual report is
15 to describe actual mining and reclamation completed during the
16 past year, the mining and reclamation activities planned for the
17 upcoming year, and a contingency reclamation plan to be
18 implemented if operations cease in the upcoming year. The
19 permittee shall submit an annual report, in duplicate, to the
20 commissioner by March 31 of each year.

21 Subp. 2. Preceding calendar year. For the preceding
22 calendar year, the report must include:

23 A. a description of actual mining activities,
24 including:

25 (1) the types, amounts, sequence, and schedule
26 for of mining the ore body and storage piling materials,
27 including the distinction among ore, lean ore, and waste rock;
28 and

29 (2) changes in the beneficiating process,
30 including a discussion of the type and amount of chemicals added
31 and their effect, if any, on the types, amount, and means of
32 waste disposal;

33 B. a description of actual reclamation activities and
34 corrective actions;

35 C. a description of the status of ongoing postclosure

1 maintenance activities;

2 D. a discussion of items A to C differ in scope and
3 schedule from the approved mining and reclamation plan under
4 part 6132.1100, subpart 6;

5 E. a characterization of new rock types or formations
6 encountered during mining that have not been previously
7 characterized under part 6132.1000, subpart 2;

8 F. a discussion of changes in ownership or
9 organizational structure of the permittee; and

10 G. a description of actual wetland replacement
11 activities, in the manner prescribed by the monitoring section
12 of the "Standards and Procedures for Evaluating Wetland
13 Replacement Plans" pursuant to chapter 8410, wetland rules.

14 Subp. 3. Upcoming calendar year. For the upcoming
15 calendar year, the report must include:

16 A. the anticipated rate of mining;

17 B. the anticipated mining activities, including:

18 (1) the types, amounts, sequence, and schedule
19 ~~for~~ of mining the ore body and storage piling materials,
20 including the distinctions among ore, lean ore, and waste rock;
21 and

22 (2) changes in the beneficiating process,
23 including a discussion of the type and amount of chemicals to be
24 added and their effect, if any, on the types, amount, and means
25 of waste disposal;

26 C. the anticipated reclamation including methods,
27 schedules, and research;

28 D. notification of intent to close a mining area or
29 portion of an area;

30 E. a discussion of how anticipated activities will
31 differ in scope and schedule from the approved mining and
32 reclamation plan under part 6132.1100, subpart 6;

33 F. evidence that the liability insurance policy
34 submitted with the permit application under part 6132.1100,
35 subpart 3, item C, is in force, or that self-insurance
36 requirements are being met;

1 G. a discussion of anticipated changes in ownership
2 and organizational structure of the permittee; and

3 H. a wetland replacement plan approved pursuant to
4 part 6132.5300.

5 Subp. 4. Contingency reclamation plan. A contingency
6 reclamation plan including closure and postclosure maintenance
7 shall be submitted with the annual report to identify
8 reclamation activities that would be implemented by the
9 permittee if operations cease in the upcoming calendar year.
10 The plan shall include the following:

11 A. methods, sequence, and schedule of reclamation
12 that address the goals and meet the requirements of parts
13 6132.2000 to 6132.3200;

14 B. maps and cross sections at a scale approved by the
15 commissioner that depict the construction, including shape,
16 extent, and content, and reclamation, including contouring,
17 covering, vegetation, closure, and postclosure maintenance, of
18 each area affected by mining; and

19 C. cost estimates and financial mechanisms under part
20 6132.1200 necessary to implement the contingency reclamation
21 plan if operations cease in the upcoming calendar year.

22 Subp. 5. Corrective action for upcoming calendar year.
23 When a corrective action plan has been required under part
24 6132.3100, subpart 2, the report shall include:

25 A. a description of actual corrective action
26 conducted in the preceding calendar year;

27 B. a description of anticipated corrective action for
28 the upcoming calendar year; and

29 C. a corrective action cost estimate for the upcoming
30 year under part 6132.1200, subpart 3.

31 Subp. 6. Maps. For the preceding and upcoming year, the
32 report shall contain a map in the form prescribed by part
33 6132.1100, subpart 7, that shows the status of mining,
34 construction, reclamation including closure and postclosure
35 maintenance, and watershed modifications.

1 6132.1400 REQUEST FOR RELEASE FROM PERMIT.

2 Subpart 1. Purpose. The purpose of the request for
3 release is to provide the commissioner with information on the
4 final reclamation status of the mining area or a specific
5 portion of the area. The request shall be submitted by the
6 permittee when the permittee has concluded that all reclamation
7 has been satisfactorily accomplished and that release from the
8 permit or portion of it should be granted.

9 Subp. 2. Contents. The request for release shall include
10 the following:

11 A. a declaration by the permittee of how each portion
12 of the mining area for which a release is requested has been
13 made to comply with the requirements of parts 6132.2000 to
14 6132.3200 and the permit to mine;

15 B. identification of:

16 (1) the ownership of the mining area;

17 (2) all remaining structures and auxiliary
18 facilities; and

19 (3) all locations at which postclosure
20 maintenance is necessary;

21 C. a discussion of all areas excluded from release
22 because of the necessity of conducting postclosure maintenance
23 under part 6132.3200, subpart 2, item E, subitem (7);

24 D. a copy of the record filed in the county
25 recorder's office advising future owners of the mining area that
26 it has been mined; and

27 E. a map in the form prescribed by part 6132.1100,
28 subpart 7, which shows the following:

29 (1) the location and status of all mining land
30 forms and facilities created or used during the mining
31 operation;

32 (2) the areas for which release is being
33 requested;

34 (3) the areas on which postclosure maintenance is
35 being conducted;

36 (4) the final topography of all mining land

1 forms;

2 (5) the location, type, and extent of vegetation
3 that has been established under part 6132.2800;

4 (6) the existing and ultimate anticipated level
5 of open pit and underground mine water, and the year in which
6 the ultimate level is expected to be reached;

7 (7) the locations of the safe accesses to the
8 bottom of an open pit;

9 (8) the location of all sealed access points to
10 underground mine workings;

11 (9) the location of fences and other access
12 barriers; and

13 (10) the location of areas prone to subsidence.

14 RECLAMATION STANDARDS

15 6132.2000 SITING.

16 Subpart 1. Goals. Mining shall be conducted on sites that
17 minimize adverse impacts on natural resources and the public.
18 Separations shall be maintained between mining areas and
19 adjacent conflicting land uses. All sites shall incorporate
20 setbacks or separations that are needed to comply with air,
21 water, and noise pollution standards; local land use
22 regulations; and requirements of other appropriate authorities.

23 Subp. 2. Mining excluded. Except as allowed under state
24 and federal laws, no mining shall be conducted within the
25 following:

26 A. the Boundary Waters Canoe Area Wilderness, as
27 legally described in the Federal Register, volume 45, number 67
28 (April 4, 1980), with state restrictions specified in Minnesota
29 Statutes, section 84.523, subdivision 3;

30 B. Voyageurs National Park, with state restrictions
31 specified in Minnesota Statutes, section 84B.03, subdivision 1;

32 C. state wilderness areas, with restrictions
33 specified in Minnesota Statutes, section 86A.05, subdivision 6;

34 D. Agassiz and Tamarac National Wilderness areas, and
35 Pipestone and Grand Portage National monuments;

1 E. state scientific and natural areas;

2 F. within state peatland scientific and natural areas
3 where such activities would significantly modify or alter the
4 peatland water levels or flows, peatland water chemistry, plant
5 or animal species or communities, or natural features of the
6 peatland scientific and natural areas, except in the event of a
7 national emergency declared by Congress;

8 G. calcareous fens identified in Minnesota Statutes,
9 section 103G.223; and

10 H. a state park, except if the park has been
11 established as a result of its association with mining.

12 Subp. 3. **Surface disturbance prohibited.** No mining
13 activities that disturb the surface shall be allowed within or
14 on the following:

15 A. within the Boundary Waters Canoe Area Wilderness
16 Mineral Management Corridor, identified on the Department of
17 Natural Resources map entitled "Minnesota Department of Natural
18 Resources B.W.C.A.W. Mineral Management Corridor," dated
19 February 1991, which map is hereby incorporated by reference, is
20 not subject to frequent change, and is available through the
21 State Law Library;

22 B. within one-fourth mile of Voyageurs National Park;

23 C. within one-fourth mile of state wilderness areas;

24 D. within one-fourth mile of Agassiz and Tamarac
25 National Wilderness areas, and Pipestone and Grand Portage
26 National monuments;

27 E. within one-fourth mile of state scientific and
28 natural areas;

29 F. within one-fourth mile of state parks, except
30 surface disturbance shall be allowed if the park has been
31 established as a result of its association with mining;

32 G. within one-fourth mile of calcareous fens
33 identified under Minnesota Statutes, section 103G.223;

34 H. on sites designated in the National Register of
35 Historic Places, except that surface disturbance shall be
36 allowed if the sites have been established as a result of their

1 association with mining;

2 I. on sites designated in the Registry of State
3 Historic Sites, except surface disturbance shall be allowed if
4 the sites have been established as a result of their association
5 with mining;

6 J. within national wild, scenic, or recreational
7 river districts of a national wild, scenic, or recreational
8 river, and within the areas identified by the document, "A
9 Management Plan for the Upper Mississippi River," produced by
10 the Mississippi Headwaters Board, dated January 1981, which
11 document is hereby incorporated by reference, is not subject to
12 frequent change, and is available through the State Law Library,
13 except underground mining may be permitted in accordance with
14 the management plans developed for specific national wild,
15 scenic, or recreational river districts;

16 K. within designated state land use districts, of a
17 state wild, scenic, or recreational river, except underground
18 mining may be permitted in accordance with the Wild and Scenic
19 Rivers Act and the rules adopted under it;

20 L. within the area adjacent to the north shore of
21 Lake Superior identified in the document entitled, "North Shore
22 Management Plan," produced by the North Shore Management Board,
23 dated December 1988, which document is hereby incorporated by
24 reference, is not subject to frequent change, and is available
25 through the State Law Library; and

26 M. on the following areas, provided they were in
27 existence before the issuance of a permit to mine:

28 (1) within 500 feet of an occupied dwelling,
29 public school, church, public institution, or county or
30 municipal park, unless allowed by the owner; and

31 (2) within 100 feet of a cemetery, or the outside
32 right-of-way line of a public roadway, except where mine access
33 or haul roads cross the right-of-way.

34 Subp. 4. Mining restricted. Mining shall be conducted in
35 the following areas only if there is no prudent and feasible
36 siting alternative. If mining is proposed, the commissioner

1 shall base siting approval decisions on the specific
2 characteristics and qualities of the natural resources for which
3 the area has been designated, and the potential impacts that are
4 likely to result. Mining shall be allowed only if there will be
5 either no adverse impacts on the natural resources, or
6 provisions acceptable to the commissioner are proposed to either
7 mitigate adverse effects, or replace, reroute, or in some other
8 manner reclaim the affected natural resources:

9 A. within a national wildlife refuge, a national
10 waterfowl production area, or on a national trail;

11 B. within a state wildlife management area, or on a
12 state designated trail either listed in Minnesota Statutes,
13 section 85.015, or acquired under the authority of Minnesota
14 Statutes, section 84.029, subdivision 2;

15 C. in peatlands identified as peatland watershed
16 protection areas in the Department of Natural Resources report
17 entitled "Protection of Ecologically Significant Peatlands in
18 Minnesota," dated November 1984, which report is hereby
19 incorporated by reference, is not subject to frequent change,
20 and is available through the State Law Library; and

21 D. within waters identified in the public waters
22 inventory, conducted under Minnesota Statutes, section 103G.201,
23 that have not been created or substantially altered in size by
24 human activities, and within the adjoining shorelands, as
25 defined in Minnesota Statutes, section 103F.205, subdivision 4,
26 of the unaltered waters.

27 Subp. 5. General siting criteria. Portions of a mining
28 operation for which there is flexibility in site selections,
29 such as storage piles, tailings basins, water reservoirs,
30 processing plants, offices interconnecting roadways, and
31 auxiliary facilities, shall be sited to the extent practicable
32 so that:

33 A. impacts on the public and natural resources due to
34 wind erosion, noise, and air emissions are minimized;

35 B. potential injury to life due to floods, caving, or
36 slope failure is minimized;

1 C. potential damage to property and natural resources
2 due to floods, caving, or slope failure is minimized;

3 D. major modifications of watersheds, including
4 diversions of surface water and alterations of groundwater
5 levels, are minimized;

6 E. runoff and seepage can be managed to minimize
7 water impacts on surface water and groundwater;

8 F. conflicts with natural and historical heritage
9 sites, identified during environmental review, are minimized;
10 and

11 G. former mining areas are used in preference to
12 areas undisturbed by mining.

13 Subp. 6. **Wetland conservation.** Mining activities that
14 result in the draining or filling of wetlands, identified
15 pursuant to Minnesota Statutes, section 103G.005, subdivision
16 19, shall not be conducted unless the wetlands are replaced by
17 restoring or creating wetland areas under a replacement plan
18 approved pursuant to part 6132.5300. It must be noted that the
19 replacement plan requires an evaluation of the affected wetland,
20 including consideration of avoidance and mitigation techniques,
21 before replacement by restoration or creation can even be
22 considered.

23 6132.2100 BUFFERS.

24 Subpart 1. **Goals.** A mining operation shall be designed,
25 constructed, and maintained so that it is compatible with
26 surrounding nonmining uses.

27 Subp. 2. **Requirements.** A mining operation must meet the
28 requirements in items A and B.

29 A. Existing terrain and vegetation, or revegetated
30 berms, must be used to diminish impacts of the mining activities.

31 B. Buffers must be constructed before beginning
32 operations and may be located within the areas described in part
33 6132.2000, subpart 3, item M.

34 6132.2200 REACTIVE MINE WASTE.

35 Subpart 1. **Goals.** Reactive mine waste shall be mined,

1 disposed of, and reclaimed to prevent the release of substances
2 that result in the adverse impacts on natural resources.

3 Subp. 2. Requirements. A mining operation must meet the
4 requirements in items A to D.

5 A. Chemical and physical characterization of mine
6 waste must be conducted before the submission of an application
7 for a permit to mine and continuously after that during the
8 process of mining under part 6132.1000.

9 B. A reactive mine waste storage facility must be
10 designed by professional engineers registered in Minnesota
11 proficient in the design, construction, operation, and
12 reclamation of facilities for the storage of reactive mine
13 waste, to either:

14 (1) modify the physical or chemical
15 characteristics of the mine waste ~~to-the-extent~~, or store it in
16 an environment, such that the waste is no longer reactive; or

17 (2) during construction to the extent
18 practicable, and at closure, permanently prevent substantially
19 all water from ~~contacting~~ moving through or over the mine waste
20 and provide for the collection and disposal of any remaining
21 residual waters that ~~come-into-contact-with~~ drain from the mine
22 waste in compliance with federal and state standards.

23 C. The reactive mine waste storage facility design
24 shall:

25 (1) describe all materials, construction, and
26 operating performance specifications and limitations that must
27 be maintained to ensure protection of natural resources;

28 (2) identify monitoring locations to ensure
29 compliance with the design; and

30 (3) include a schedule for inspection of the
31 reactive mine waste storage facility construction, operation,
32 and reclamation including closure and postclosure maintenance,
33 by the design engineers, to ensure compliance with the design;
34 and. In the event the design engineers become unable to perform
35 the inspections, the engineers shall be replaced by persons who
36 meet the qualifications of part 6132.2200, subpart 2, item B,

1 and that can demonstrate an understanding of the design and an
 2 ability to perform the necessary inspections.

3 ~~(3)-identify-monitoring-locations-to-ensure~~
 4 ~~compliance-with-the-design-~~

5 D. The commissioner may allow variance from specific
 6 reclamation requirements of parts 6132.2100 and 6132.2300 to
 7 6132.2700 if their use would inhibit designs necessary to meet
 8 the requirements of this part.

9 6132.2300 OVERBURDEN PORTION OF PITWALLS.

10 Subpart 1. Goals. The overburden portion of pitwalls
 11 shall be designed, developed, and reclaimed to be structurally
 12 sound and promote progressive reclamation.

13 Subp. 2. Requirements. Surface overburden portions of
 14 pitwalls shall be designed and constructed to the following
 15 standards in items A and B.

16 A. The final slopes shall consist of benches and
 17 lifts as follows:

18 (1) the toe of the surface overburden portion
 19 shall be set back at least 20 feet from the crest of the rock
 20 portion of the pitwall;

21 (2) lift heights shall be no higher than 60 feet
 22 and shall be selected based on the need to protect public
 23 safety, the location of the pitwall in relation to the
 24 surrounding land uses, the soil types and their erosion
 25 characteristics, the variability of overburden thickness, and
 26 the potential uses of the pit following mining;

27 (3) the sloped area between benches shall be no
 28 steeper than 2.5:1; and

29 (4) runoff water shall either be temporarily
 30 stored on benches or removed by drainage control structures.

31 B. When acceptable research demonstrates that the
 32 goals are satisfied, the commissioner shall approve other
 33 measures that satisfy subpart 1.

34 6132.2400 STORAGE PILE DESIGN.

35 Subpart 1. Goals. Storage piles must be designed and

1 constructed to minimize hydrologic impacts, enhance the survival
2 and propagation of vegetation, be structurally sound, control
3 erosion, promote progressive reclamation, and recognize the
4 conservation of the mineral resources.

5 Subp. 2. Requirements. Storage piles must meet the
6 requirements in items A to D.

7 A. General design: All storage piles shall be
8 designed and constructed according to the standards in subitems
9 (1) to (4).

10 (1) When mine waste is deposited on areas with
11 unstable foundations such as peat, muskeg, bedded lacustrine
12 deposits, karst topography, active seismic and flood zones, and
13 areas above or within a mine, a professional engineer,
14 registered in this state and proficient in the design,
15 construction, operation, and reclamation of facilities on
16 unstable foundations, shall examine the foundation and design
17 the storage piles to ensure stability.

18 (2) Practices such as the use of vegetated buffer
19 strips, hay bale dikes, silt fences, or settling basins shall be
20 used to control erosion.

21 (3) Rills or gullies shall be observed to
22 determine dominant runoff flow paths, which shall be stabilized
23 to control runoff.

24 (4) Storage piles containing reactive mine waste
25 must also comply with the requirements of part 6132.2200.

26 B. Rock storage piles: The final exterior slopes of
27 lean ore, waste rock, and leached ore storage piles shall
28 consist of benches and lifts as follows:

29 (1) no lift shall exceed 40 feet in height;

30 (2) no bench shall be less than 30 feet, measured
31 from the crest of the lower lift to the toe of the next lift;

32 (3) the sloped area between benches shall be no
33 steeper than the angle of repose; and

34 (4) when vegetation is required under part
35 6132.2700, subpart 2, item A, subitem (13), the sloped areas
36 between benches shall be prepared to support vegetation.

1 C. Surface overburden: Surface overburden shall be
2 disposed of according to subitems (1) and (2).

3 (1) When surface overburden is generated, it
4 shall be placed in layers on the completed tops and benches of
5 lean ore and waste rock storage piles to enhance reclamation
6 potential.

7 (2) If no completed tops or benches are
8 available, or if such sites are not within economic haul
9 distances of surface stripping activities, surface overburden
10 storage piles shall be created so that the final exterior slopes
11 shall consist of benches and lifts as follows:

12 (a) no lift shall exceed 40 feet in height;

13 (b) no bench width shall be less than 30
14 feet wide, measured from the crest of the lower lift to the toe
15 of the next lift;

16 (c) the sloped area between benches shall be
17 no steeper than 2.5:1; and

18 (d) runoff water shall either be temporarily
19 stored on benches or removed by drainage control structures.

20 D. Mixed storage piles: Lean ore and waste rock
21 shall not be used to cover surface overburden storage piles to
22 avoid compliance with sloping and vegetation requirements. This
23 shall not preclude the abutting of lean ore or waste rock
24 storage piles with surface overburden storage piles or the
25 placement of lean ore or waste rock lifts on top of surface
26 overburden pads or lifts.

27 E. Alternative design: Based on acceptable research,
28 the commissioner shall approve other measures that satisfy
29 subpart 1.

30 6132.2500 TAILINGS BASINS.

31 Subpart 1. Goals. Tailings basins shall be designed,
32 constructed, and operated to be structurally sound, control air
33 emissions, minimize hydrologic impacts, promote progressive
34 reclamation, and enhance the survival and propagation of
35 vegetation.

1 Subp. 2. Requirements. Tailings basins must meet the
2 requirements in items A to C.

3 A. Tailings basins shall be designed by professional
4 engineers, registered in this state, who are proficient in the
5 design, construction, operation, and reclamation of tailings
6 basins.

7 B. The tailings basin design shall:

8 (1) provide rationale for site selection, with
9 regard to dam safety and characteristics of the site that could
10 affect, or could be affected by, the tailings basin;

11 (2) describe materials, construction, and
12 operating performance specifications and limitations that must
13 be maintained to ensure protection of natural resources;

14 (3) ensure that precipitation events do not
15 result in overtopping the basin;

16 (4) describe the specific steps that must be
17 taken to achieve reclamation on tailings and dam surfaces;

18 ~~(5) include a schedule for the design engineers~~
19 ~~to inspect the construction, operation, and reclamation of the~~
20 ~~tailings basins, including closure and postclosure maintenance,~~
21 ~~to assure compliance with the design;~~

22 ~~(6)~~ identify monitoring locations to ensure
23 compliance with the design; and

24 ~~(7)~~ (6) comply with the requirements of part
25 6132.2200, if the tailings basin contains reactive mine waste;
26 and

27 (7) include a schedule for the design engineers
28 to inspect the construction, operation, and reclamation of the
29 tailings basins, including closure and postclosure maintenance,
30 to assure compliance with the design. In the event design
31 engineers become unable to perform the inspections, the
32 engineers shall be replaced by persons who meet the
33 qualifications of part 6132.2500, subpart 2, item A, and that
34 can demonstrate an understanding of the design and an ability to
35 perform the necessary inspections.

36 C. During the mining operation, dust generation shall

1 be reduced by maximizing progressive reclamation, or controlled
2 by the application of dust suppression techniques under part
3 6132.2800, subpart 2.

4 6132.2600 HEAP AND DUMP LEACHING FACILITIES.

5 Subpart 1. Goals. Heap and dump leaching facilities shall
6 be designed and constructed to be structurally sound, minimize
7 hydrologic impacts, minimize the release of substances that
8 adversely impact other natural resources, and promote
9 progressive reclamation.

10 Subp. 2. Requirements. Heap and dump leaching facilities
11 must meet the requirements in items A to C.

12 A. Heap and dump leaching facilities shall be
13 designed by professional engineers, registered in this state,
14 who are proficient in the design, construction, operation,
15 neutralization, detoxification, and reclamation of heap and dump
16 leaching facilities.

17 B. The heap and dump leaching facility design shall:

18 (1) provide rationale for site selection with
19 regard to characteristics of the site that could affect, or be
20 affected by, the heap and dump leaching facilities;

21 (2) ensure that only leaching solutions that meet
22 all state and federal water quality standards will be released
23 to the environment;

24 (3) include means of detecting and retrieving
25 leaching solutions which might be released if leakage occurs;

26 (4) describe all materials, construction, and
27 operating performance specifications and limitations that must
28 be maintained to ensure protection of other natural resources;

29 (5) ensure that precipitation events do not
30 result in overtopping ponds;

31 (6) describe the specific steps that must be
32 taken to neutralize and detoxify residual leaching solutions
33 within leached ore and sediments;

34 (7) identify monitoring locations to ensure
35 compliance with the design; and

1 (8) include a schedule for the design engineers
 2 to inspect the construction, operation, and reclamation of the
 3 facility, including closure and postclosure maintenance, to
 4 assure compliance with the design, and. In the event the design
 5 engineers become unable to perform the inspections, the
 6 engineers shall be replaced by persons who meet the
 7 qualifications of part 6132.2600, subpart 2, item A, and that
 8 can demonstrate an understanding of the design and an ability to
 9 perform the necessary inspections.

10 ~~(8)-identify-monitoring-locations-to-ensure~~
 11 ~~compliance-with-the-design.~~

12 C. Leached ore and sediments from leaching ponds
 13 shall be reclaimed according to part 6132.2200 or 6132.2400
 14 based on the results of mine waste characterization.

15 6132.2700 VEGETATION.

16 Subpart 1. Goals. Vegetation shall be established to
 17 control erosion, screen mining areas from noncompatible uses,
 18 and provide for subsequent land uses such as wildlife habitat or
 19 timber production.

20 Subp. 2. Requirements. Vegetation must meet the
 21 requirements in items A to C.

22 A. Vegetation shall be established on the following
 23 areas:

- 24 (1) surface overburden storage piles;
- 25 (2) exposed soils along diversion channels and
- 26 roads;
- 27 (3) cuts, pits, trenches, and other areas
- 28 disturbed during the process of obtaining borrow materials;
- 29 (4) benches and tops of lean ore, waste rock, and
- 30 leached ore storage piles;
- 31 (5) tailings basins;
- 32 (6) heap and dump leaching facilities;
- 33 (7) dikes and dams;
- 34 (8) exposed soils adjacent to water reservoirs;
- 35 (9) areas exposed or disturbed through the

1 activities associated with the reclamation of building sites,
2 parking lots, pipeline routes, storage areas, transmission
3 routes, and roads not used for subsequent access;

4 (10) surface overburden portions of pitwalls;

5 (11) buffers;

6 (12) subsided areas not permanently covered by
7 water; and

8 (13) lean ore, waste rock, and leached ore
9 storage pile slopes, within one-fourth mile of residential and
10 designated public use areas, except designated trails.

11 B. The establishment of vegetation shall be initiated
12 during the first normal planting period following the point when
13 according to the permit to mine, a surface, structure, facility,
14 or element is no longer scheduled to be disturbed or used in a
15 manner that would interfere with the establishment and
16 maintenance of vegetation, or after the establishment of
17 vegetation has otherwise been required.

18 C. The standards in subitems (1) and (2) apply to the
19 areas listed in item A.

20 (1) After three growing seasons following
21 initiation of vegetation, a 90 percent ground cover within a 90
22 percent statistical confidence interval, consisting of living
23 vegetation and its litter, must exist on all areas, except
24 slopes that primarily face south and west. Such sloped areas
25 shall attain the 90 percent ground cover requirement within five
26 growing seasons following the point when initiation of
27 vegetation is required. If this standard is not met, or if
28 unvegetated rills or gullies more than nine inches deep form and
29 erosion is occurring, the surface shall be repaired and
30 replanted during the next normal planting period.

31 (2) Within ten growing seasons following
32 initiation of vegetation, an area shall have a vegetative
33 community with characteristics similar to those of an approved
34 reference area. The vegetation on a reference area may be
35 either planted or naturally occurring. For the purpose of
36 controlling erosion, it shall be self-sustaining, regenerating,

1 or a stage in a recognized vegetation succession that provides
2 subsequent land uses such as wildlife habitat or timber
3 production. Reference areas must be representative of the site
4 conditions and possible uses that might exist on mining land
5 forms. No release under part 6132.4800 shall be granted until
6 the area has these characteristics.

7 6132.2800 DUST SUPPRESSION.

8 Subpart 1. Goal. Areas disturbed by mining shall be
9 managed to control dust.

10 Subp. 2. Requirement. Dust shall be controlled by
11 techniques approved by the commissioner such as water spray,
12 anchored mulches, vegetation, enclosure and containment, and
13 limited chemical binders as last alternatives.

14 6132.2900 AIR OVERPRESSURE AND GROUND VIBRATIONS FROM BLASTING.

15 Subpart 1. Goal. Effects of air overpressure and ground
16 vibrations from production blasts shall be kept at levels that
17 will not be injurious to human health or welfare and property
18 outside mining areas.

19 Subp. 2. Requirements. Air overpressure standards must
20 meet the requirements in items A and C. Ground vibration
21 control must meet the requirements in items B and C.

22 A. Air overpressure standards must meet the
23 requirements in subitems (1) to (5).

24 (1) Air overpressure on lands not owned or
25 controlled by the permittee shall not exceed 130 decibels as
26 measured on a linear peak scale, sensitive to a frequency band
27 ranging from six cycles per second to 200 cycles per second.

28 (2) All open pit blasts shall be monitored by the
29 operator. Monitoring stations shall be located adjacent to the
30 nearest structure located on lands not owned or controlled by
31 the permittee, and where the commissioner considers necessary to
32 investigate complaints.

33 (3) All open pit mining operators shall keep a
34 blaster's log of production blasts, which shall be retained for
35 at least six years, containing the following:

- 1 (a) date and time of blast;
- 2 (b) type of explosive used;
- 3 (c) ignition layout with locations of blast
- 4 holes and time intervals of delay;
- 5 (d) pounds of explosives per each delay of
- 6 eight milliseconds or more;
- 7 (e) total pounds of explosives;
- 8 (f) type of material blasted;
- 9 (g) monitoring locations and results of
- 10 monitoring when conducted;
- 11 (h) meteorological conditions, including
- 12 temperature inversions, wind speed, and directions as can be
- 13 determined from the United States Weather Bureau, and
- 14 ground-based observations;
- 15 (i) directional orientation of free faces of
- 16 bench to be blasted; and
- 17 (j) other information that the commissioner
- 18 finds necessary to determine if the standards of this subpart
- 19 and subpart 1 are achieved.

20 (4) If a focusing condition is detected that

21 could cause the blast to adversely affect populated areas,

22 blasting shall be postponed until the condition is no longer

23 present.

24 (5) Blasting in open pits shall take place only

25 during daylight hours unless a hazardous condition requires

26 blasting at another time.

27 B. Ground vibration control must meet the

28 requirements in subitems (1) to (4).

29 (1) The maximum peak particle velocity from

30 blasting shall not exceed one inch per second at the location of

31 a structure located on lands not owned or controlled by the

32 permittee.

33 (2) The permittee shall monitor production blasts

34 for peak particle velocity using a seismograph capable of

35 measuring three mutually perpendicular peak particle velocities,

36 with the peak particle velocity being the largest of these

1 measurements.

2 (3) Seismic measurements shall be conducted
3 adjacent to the nearest structure located on lands not owned or
4 controlled by the permittee and where the commissioner considers
5 necessary to investigate complaints.

6 (4) If a complaint is received, or when ground
7 vibrations have or are likely to exceed the one inch per second
8 standard, the commissioner shall require permittees using
9 underground mining methods to maintain a blaster's log for the
10 purpose of assessing ground vibration control.

11 C. All monitoring data collected shall be made
12 available to the commissioner on request.

13 6132.3000 SUBSIDENCE.

14 Subpart 1. Goal. Mining shall be conducted in a manner
15 that will minimize hazardous conditions that result from
16 subsidence.

17 Subp. 2. Requirements. Mining techniques must meet the
18 requirements in items A to C.

19 A. Mining techniques shall be used that minimize
20 subsidence to the extent practicable.

21 B. If actual or likely subsidence occurs, the
22 permittee shall establish ground control survey locations and
23 conduct surveys to document the extent of ground movement.

24 C. Areas affected by subsidence shall be contoured or
25 filled to protect public health and safety or natural resources.

26 6132.3100 CORRECTIVE ACTION.

27 Subpart 1. Goal. On the observation of violations of the
28 permit to mine, immediate actions shall be taken to correct the
29 violation.

30 Subp. 2. Requirements. Corrective action requirements
31 include those in items A to D.

32 A. When the permittee is aware that requirements of
33 parts 6132.2000 to 6132.3200 are not being met, or if facilities
34 constructed are not in compliance with the permit to mine, the
35 permittee shall immediately notify the commissioner.

1 B. On notification or observation of violations of
2 parts 6132.0100 to 6132.5300 or conditions not meeting the
3 permit to mine, the commissioner shall order the permittee to:

4 (1) immediately take corrective action; or
5 (2) submit, within two weeks, a corrective action
6 plan for approval before the permittee implements corrective
7 action that includes:

8 (a) cause for failure to comply;

9 (b) methods, sequence, and schedule of
10 corrective action activities that will result in compliance with
11 the permit to mine;

12 (c) corrective action cost estimates under
13 part 6132.1200, subpart 3; and

14 (d) maps and cross sections at an
15 appropriate scale.

16 C. If there is an immediate threat to human safety or
17 natural resources resulting from the mining operation, the
18 permittee shall take immediate corrective action and report to
19 the commissioner.

20 D. The commissioner may take one or more of the
21 following actions if the permittee fails to comply with any
22 portion of this part:

23 (1) suspend the permit to mine under part
24 6132.4500;

25 (2) assess civil penalties under part 6132.5100;

26 (3) revoke the permit to mine under part
27 6132.4600; or

28 (4) modify the permit to mine under part
29 6132.4300.

30 6132.3200 CLOSURE AND POSTCLOSURE MAINTENANCE.

31 Subpart 1. Goal. The mining area shall be closed so that
32 it is stable, free of hazards, minimizes hydrologic impacts,
33 minimizes the release of substances that adversely impact other
34 natural resources, and is maintenance free.

35 Subp. 2. Requirements. Closure and postclosure

1 maintenance must meet the requirements in items A to E.

2 A. When the permittee is aware of a temporary or
3 permanent shutdown, the permittee shall immediately notify the
4 commissioner.

5 B. For a temporary shutdown, the permittee shall:

6 (1) document the reason for temporary shutdown;

7 (2) project when the temporary shutdown will end;

8 (3) submit a maintenance plan for the temporary
9 shutdown period to ensure that the facility will remain stable
10 and hazard free;

11 (4) document how all permit standards will be
12 complied with during the shutdown;

13 (5) maintain full financial assurance;

14 (6) complete all corrective action requirements
15 as scheduled; and

16 (7) comply with all reporting requirements.

17 C. The commissioner, after review of the requirements
18 in item B, may either:

19 (1) approve the temporary shutdown;

20 (2) request more information to make a decision;

21 or

22 (3) deny the temporary shutdown and direct the
23 permittee to implement a contingency reclamation plan under part
24 6132.1300.

25 D. In evaluating a request for an extension of a
26 temporary shutdown, the commissioner shall:

27 (1) evaluate compliance with all state and
28 federal permits;

29 (2) evaluate safety and stability of all mining
30 facilities; and

31 (3) evaluate the need to implement corrective
32 action procedures.

33 E. For a permanent shutdown, the permittee must
34 implement the contingency reclamation plan under part 6132.1300
35 and comply with subitems (1) to (7).

36 (1) Accesses to underground mines shall be

1 promptly sealed as approved by the commissioner and the county
2 mine inspector.

3 (2) Within six months after closure of a mine
4 begins, the permittee shall:

5 (a) provide at least one safe access to the
6 bottom of an open pit; and

7 (b) construct fences or other access
8 barriers for safety under Minnesota Statutes, chapter 180.

9 (3) Within one year after closure begins, or
10 within a longer period if approved by the commissioner, debris
11 and mobile equipment that will not be used for reclamation shall
12 be removed from the area being closed.

13 (4) Within three years after closure begins, or
14 within a longer period if approved by the commissioner, the
15 following shall be accomplished:

16 (a) roads, parking areas, and storage pads
17 except those the commissioner considers necessary for access
18 shall be removed;

19 (b) permittee-owned power plants and
20 associated facilities except public utilities, transmission
21 lines, pipelines, docks and associated facilities, and railroads
22 except common carrier transportation facilities shall be removed
23 or provisions made for continued subsequent use; and

24 (c) all other equipment, facilities, and
25 structures shall be removed and foundations razed and covered
26 with a minimum of two feet of surface overburden.

27 (5) Within three years after the start of the
28 closure of basins constructed for the purpose of mining or
29 processing, or within a longer period if approved by the
30 commissioner, the permittee shall ~~drain~~ provide for drainage of
31 the basins and reintegrate the area into the natural watershed.

32 (6) If, following closure, continued compliance
33 with parts 6132.2000 to 6132.3200 cannot be achieved without
34 continued maintenance of the facilities, the permittee shall:

35 (a) implement postclosure maintenance
36 techniques designed to ensure that the requirements of parts

1 6132.2000 to 6132.3200 will continue to be met following
2 closure;

3 (b) identify specifically how, when, and by
4 whom the active techniques will be conducted or managed;

5 (c) identify performance levels or
6 limitations that would have to be achieved before the techniques
7 could be considered successful; and

8 (d) provide for financial assurance under
9 part 6132.1200, subpart 1, item A.

10 (7) No release from the permit to mine under part
11 ~~6132.1400~~ 6132.4800 shall be granted for those portions of the
12 mining area that require postclosure maintenance until the
13 necessity for maintenance ceases.

14 ADMINISTRATIVE PROCEDURES

15 6132.4000 PROCEDURES FOR OBTAINING A PERMIT TO MINE.

16 Subpart 1. **Application and publication.** The process for
17 requesting a permit to mine begins with a preapplication
18 conference and site visit under part 6132.1100, subpart 1,
19 followed by the submission of an application to the commissioner
20 under parts 6132.1000 to 6132.1400. After the commissioner
21 determines the application is complete, the commissioner shall
22 publish a notice in the State Register and the EQB Monitor
23 stating the department has received an application for a permit
24 to mine. The applicant shall also publish an advertisement as
25 required by part 6132.4900. Within seven days after the last
26 date of publication, the applicant shall submit to the
27 commissioner a copy of the advertisement and an affidavit from
28 the printer verifying publication. The application shall then
29 be considered filed.

30 Subp. 2. **Objection to proposed mining operations.**

31 Objection related to a proposed mining operation may be filed
32 with the commissioner according to Minnesota Statutes, sections
33 93.44 to 93.51.

34 A. Written objections to a proposed mining operation
35 and permit may be filed with the commissioner no later than 30

1 days following the last date of publication of an applicant's
2 newspaper advertisement required under part 6132.4900.

3 B. A person submitting an objection to the
4 commissioner shall include the following information:

5 (1) a statement of the person's interest in the
6 proposed mining operation and permit;

7 (2) a statement of the action that the person
8 wants the commissioner to take, including specific references to
9 applicable sections of Minnesota Statutes, sections 93.44 to
10 93.51, parts 6132.0100 to 6132.5300, or the permit application;
11 and

12 (3) the reasons supporting the person's position,
13 stated with sufficient specificity to allow the commissioner to
14 investigate the merits of the person's position.

15 C. Within ten days after the receipt of the
16 objection, the commissioner shall determine whether the person
17 filing the objection meets one of the following criteria:

18 (1) owns property that will be affected by the
19 proposed operation;

20 (2) is a federal, state, or local governmental
21 agency having responsibilities affected by the proposed
22 operation; or

23 (3) raises a material issue of fact, relating to
24 the proposed operation, for which the commissioner has
25 jurisdiction under Minnesota Statutes, sections 93.44 to 93.51,
26 and there is a reasonable basis underlying the issue of fact
27 such that holding a hearing would allow the presentation or
28 introduction of relevant information that would aid the
29 commissioner in resolving the issues and in making a final
30 determination on the issuance of the permit to mine.

31 D. If objections were filed by a person meeting one
32 of the criteria in item C, the commissioner shall attempt to
33 resolve the issue by:

34 (1) allowing the applicant to change the
35 operation to the mutual satisfaction of the objector and the
36 commissioner, provided that a substantial change to the

1 operation may necessitate republication of the applicant's
2 newspaper advertisement, with an explanation of the proposed
3 change; or

4 (2) proceeding with a hearing under subpart 3.

5 E. If objections were filed by a person not meeting
6 the requirements of item C, the commissioner shall inform the
7 person of that fact, stating reasons for the decision, and
8 proceed with processing the application as if no objection had
9 been received.

10 Subp. 3. Determination with hearing. Hearings shall be
11 held by the commissioner according to items A to C.

12 A. The commissioner shall conduct a hearing if:

13 (1) objections are received from a person meeting
14 the requirements of subpart 2, item C, and the commissioner is
15 unable to resolve the issue to the satisfaction of that person
16 and the applicant under subpart 2, item D, subitem (1);

17 (2) the commissioner determines it will be
18 necessary to require additional provisions or conditions not
19 contained in the permit application before approval of the
20 application; or

21 (3) the commissioner determines the application
22 should be denied.

23 B. To conduct a hearing, the commissioner shall:

24 (1) select a hearing date no more than 30 days
25 after the last date of opportunity to object;

26 (2) serve an order for hearing in the form and
27 manner required by part 1400.5600, except that part 1400.5600,
28 subpart 3, does not apply, and in no event shall such an order
29 be served less than 20 days before the hearing;

30 (3) mail a copy of the order for hearing to the
31 applicant, all persons who filed objections, and all local units
32 of government in which all or a part of the operation is
33 located; and

34 (4) publish notice of the subject, time, date,
35 and place of the hearing at least once before the hearing in a
36 newspaper that must be both a qualified newspaper under

1 Minnesota Statutes, section 331A.02, and circulated in the
2 locality of the proposed mining operation.

3 C. Within 120 days after the close of the hearing
4 record or 90 days after service of the hearing examiner's
5 report, whichever comes later, the commissioner shall grant the
6 permit with or without modifications or conditions or deny the
7 permit stating reasons for the denial.

8 Subp. 4. Determination without hearing. The commissioner
9 shall process the permit without a hearing according to items A
10 and B.

11 A. No hearing is required if the commissioner
12 determines that the proposed operation can be permitted without
13 provisions or conditions and if within 30 days following the
14 last date of publication of the applicant's newspaper
15 advertisement:

16 (1) no objections were filed;

17 (2) objections were filed, but the person
18 objecting did not meet the requirement of subpart 2, item C; or

19 (3) objections were filed but were resolved under
20 subpart 2, item D, subitem (1).

21 B. Within 120 days after the last date on which a
22 person can object to the proposed mining operation, the
23 commissioner shall approve the application.

24 Subp. 5. Review of annual report. Each year following the
25 granting of the permit to mine, the commissioner shall review
26 the annual report required under part 6132.1300 to determine
27 whether it complies with the provisions of the permit to mine.
28 On completion of this review, the commissioner shall inform the
29 permittee of the compliance determination.

30 A. If the annual report complies, the commissioner
31 shall direct the permittee to implement the reclamation plan
32 proposed for the upcoming year.

33 B. If the annual report does not comply, the
34 commissioner shall:

35 (1) require the permittee to prepare an
36 explanation of why the report does not comply with the permit to

1 mine, and what is proposed to achieve compliance;

2 (2) direct the permittee to take corrective
3 action under part 6132.3200 to address the violations,
4 deficiencies, or inadequacies that are reported to have occurred
5 during the past year; or

6 (3) require the permittee to develop a new plan
7 for activities to be conducted during the upcoming year that
8 will comply with the permit to mine.

9 6132.4100 VARIANCES.

10 Subpart 1. Application for variance. A proceeding for
11 requesting a variance from parts 6132.0100 to 6132.5300 begins
12 when the permit applicant or permittee files an application for
13 a variance with the commissioner. The application shall include
14 information necessary for the commissioner to determine that the
15 proposed variance is directed toward the attainment of the goals
16 of parts 6132.0100 to 6132.5300 and is consistent with the
17 general public welfare including, but not limited to:

18 A. how the alternative measure proposed is equivalent
19 to or superior to that prescribed in the rule; and

20 B. how strict compliance with the rule will impose an
21 undue burden on the applicant.

22 Under no circumstances will a variance be granted that
23 varies a statutory standard.

24 Subp. 2. Determination by commissioner. Within 30 days
25 after receipt of the application, the commissioner shall
26 determine whether the proposed variance constitutes a
27 substantial change from the requirements of parts 6132.0100 to
28 6132.5300.

29 A. If the commissioner determines that a substantial
30 change would result, the applicant shall follow the procedures
31 for permit to mine applications as provided in part 6132.4000.

32 B. If the commissioner determines that there would be
33 no substantial change, and that the variance is in the public
34 interest and meets the goals of parts 6132.0100 to 6132.5300,
35 the variance shall be granted.

1 **Subp. 3. Simultaneous filing of applications.**

2 Applications for variance from parts 6132.0100 to 6132.5300 may
3 be filed simultaneously with an application for a permit to
4 mine, provided that the advertisement contains all information
5 required for applications for permits to mine and for variance.

6 6132.4200 AMENDMENT OF PERMIT TO MINE.

7 **Subpart 1. Application for amendment.** A proceeding for
8 requesting an amendment of a permit to mine begins when the
9 permittee files an application for an amendment with the
10 commissioner. The application shall include information the
11 commissioner requires to determine that the proposed amendment
12 meets the requirements of parts 6132.0100 to 6132.5300 and state
13 law.

14 **Subp. 2. Determination by commissioner.** Within 30 days
15 after receipt of the application, the commissioner shall
16 determine whether the proposed amendment constitutes a
17 substantial change from the permit to mine.

18 A. If the commissioner determines that a substantial
19 change would occur, the applicant shall follow the procedures
20 for obtaining a permit to mine provided in part 6132.4000.

21 B. If the commissioner determines that there would be
22 no substantial change, the amendment shall be granted.

23 6132.4300 MODIFICATION OF PERMIT TO MINE.

24 **Subpart 1. Conditions authorizing.** The commissioner may
25 order the modification of a permit to mine when:

26 A. it is necessary to correct conditions that
27 jeopardize public health or safety or that could result in
28 injury to persons or property;

29 B. there is a violation of terms of the permit to
30 mine or parts 6132.0100 to 6132.5300; or

31 C. new information related to reclamation becomes
32 available that needs to be addressed and incorporated into the
33 permit to mine.

34 **Subp. 2. Beginning of proceedings.** A proceeding to modify
35 a permit to mine begins by serving on the permittee:

- 1 A. a notice of hearing under part 6132.5000; and
2 B. the proposed modification order.

3 6132.4400 CANCELLATION OF PERMIT TO MINE.

4 If within three years following the issuance of a permit to
5 mine no substantial construction of plant facilities or actual
6 mining has begun and no reclamation of the site is necessary,
7 the commissioner may, with the consent of the permittee, cancel
8 the permit to mine.

9 6132.4500 SUSPENSION OF PERMIT TO MINE.

10 Subpart 1. Procedure. If an emergency situation arises
11 that results in imminent danger ~~to the public~~, the commissioner,
12 by written order to the permittee, may at that time suspend any
13 portion or portions of operations as necessary to protect:

- 14 A. public health and safety;
15 B. public interests in lands and waters; or
16 C. ~~individuals~~ persons and property.

17 Subp. 2. Requirements. The commissioner shall require the
18 permittee to take all measures necessary to prevent or remedy
19 the emergency situation.

20 Subp. 3. Duration. No suspension under this part shall be
21 in effect more than 30 days without giving the permittee at
22 least ten days' written notice of the order and an opportunity
23 to be heard under part 6132.5000.

24 6132.4600 REVOCATION OF PERMIT TO MINE.

25 Subpart 1. Conditions authorizing. The commissioner may
26 order the revocation of a permit to mine when:

27 A. it is necessary to stop conditions that jeopardize
28 public health and safety or that could result in injury to
29 persons or property; or

30 B. there is a violation of terms of the permit to
31 mine or parts 6132.0100 to 6132.5300.

32 Subp. 2. Beginning of proceedings. A proceeding to revoke
33 a permit to mine begins by serving on the permittee:

- 34 A. a notice of hearing under part 6132.5000; and

1 B. the proposed revocation order.

2 6132.4700 ASSIGNMENT.

3 Under Minnesota Statutes, section 93.481, subdivision 5,
4 the commissioner shall allow the assignment of a permit to mine
5 only if the commissioner determines that the assignee will
6 perform all outstanding obligations of law, parts 6132.0100 to
7 6132.5300, and the permit to mine.

8 6132.4800 RELEASE OF PERMITTEE.

9 Subpart 1. Procedure. The procedure to release the
10 permittee from permit to mine responsibility on a reclaimed
11 portion of the mining area begins when the permittee submits a
12 request for release under part 6132.1400.

13 Subp. 2. Determination by commissioner. The commissioner
14 shall review the request for release and inspect the site to be
15 released to determine whether all terms and conditions of parts
16 6132.0100 to 6132.5300 and the permit to mine have been
17 satisfied.

18 A. If the commissioner determines that the terms and
19 conditions of parts 6132.0100 to 6132.5300 and the permit to
20 mine have not been satisfied, the permittee shall follow the
21 procedures for obtaining a permit to mine described in part
22 6132.4000.

23 B. If the commissioner determines that the terms and
24 conditions of parts 6132.0100 to 6132.5300 and the permit to
25 mine have been satisfied, the commissioner shall release the
26 permittee from further responsibility for the reclaimed portion.

27 C. If the commissioner determines that the request
28 for release relates to requirements for permanent shutdown,
29 pursuant to part 6132.3200, subpart 2, item E, the permittee
30 shall follow the procedures for obtaining a permit to mine
31 described in part 6132.4000.

32 Subp. 3. Postclosure maintenance. No release from a
33 permit to mine shall be approved for a portion of the mining
34 area requiring postclosure maintenance until the necessity for
35 maintenance ceases.

1 6132.4900 PUBLICATION.

2 Subpart 1. Newspaper; contents. When an advertisement is
3 required relating to the issuance, amendment, variance, or
4 release from a permit to mine, it shall be published by the
5 permittee once each week for four successive weeks in a
6 qualified newspaper under Minnesota Statutes, section 331A.02,
7 that is circulated in the locality of the proposed mining
8 operation. The advertisement must contain:

9 A. a statement and map indicating the locations and
10 boundaries of the mining area;

11 B. surface and mineral ownership within the mining
12 area based on information of record in the county recorder's
13 office. An owner's agent may be identified in place of the
14 owner;

15 C. the schedule for accomplishing what is being
16 proposed;

17 D. a notice of the deadline date for filing
18 objections; and

19 E. the following information:

20 (1) if application is made for a permit to mine,
21 a description of the proposed mining operation including the
22 general kinds of reclamation or restoration measures to be
23 undertaken according to the reclamation plan;

24 (2) if an amendment to a permit to mine is
25 requested, a description of the purpose and nature of the
26 proposed amendment;

27 (3) if a variance from parts 6132.0100 to
28 6132.5300 is requested, a description of the purpose and nature
29 of the requested variance and a description of the proposed
30 alternative means that will be used to meet the goals and comply
31 with the requirements of parts 6132.0100 to 6132.5300; or

32 (4) if a release from the permit to mine is
33 requested, a description of the status of reclamation that has
34 been performed, a discussion of planned uses for the land, and
35 identification of how the land is intended to be managed.

1 Subp. 2. **Revocation; modification; suspension of permit.**
2 When an advertisement is required under part 1400.5600, subpart
3 4, relating to the revocation, modification, or suspension of a
4 permit to mine, or relating to the assessment of civil
5 penalties, a notice of hearing and the commissioner's proposed
6 order shall be published by the commissioner as follows:

7 A. once in the State Register and the EQB Monitor at
8 least 30 days before the scheduled date of hearing; and

9 B. once each week during the four weeks preceding the
10 scheduled date of hearing, in a qualified newspaper according to
11 Minnesota Statutes, ~~chapter-331A~~ section 331A.02, that is
12 circulated in the locality of the proposed mining operation.

13 6132.5000 HEARING PROCEDURES.

14 Procedures established by parts 1400.5100 to 1400.8500
15 apply to a contested case hearing under parts 6132.0100 to
16 6132.5300, except as otherwise provided in Minnesota Statutes,
17 sections 93.44 to 93.51, and parts 6132.0100 to 6132.5300.

18 6132.5100 CIVIL PENALTIES.

19 Subpart 1. **Violation.** If a permittee violates any
20 provision of Minnesota Statutes, sections 93.44 to 93.51, parts
21 6132.0100 to 6132.5300, or a permit to mine issued under them,
22 the commissioner may order imposition of a civil penalty.

23 Subp. 2. **Beginning of proceedings.** A proceeding to assess
24 civil penalties begins by serving on the permittee:

25 A. a notice of hearing under part 6132.5000; and

26 B. the proposed civil penalty imposition order.

27 Subp. 3. **Determining the amount.** In determining the
28 amount of a penalty, the commissioner shall consider the
29 severity of the violation, the need to deter future violations,
30 and the magnitude of potential or actual gains resulting from
31 the violation.

32 Subp. 4. **Duration.** The assessment of the civil penalty
33 shall remain in effect until the violation that necessitated the
34 penalty is corrected.

35 Subp. 5. **Collection.** The commissioner shall collect an

1 assessed civil penalty in the same manner as any other debt owed
2 the state.

3 6132.5200 INSPECTION OF MINING AREA.

4 The permittee shall allow the commissioner to inspect all
5 mining operations and records needed to monitor compliance with
6 the permit to mine and parts 6132.0100 to 6132.5300.

7 6132.5300 WETLAND MITIGATION AND REPLACEMENT PROCEDURES.

8 Subpart 1. Authority. In accordance with Minnesota
9 Statutes, section 103G.222, no draining or filling of wetlands
10 resulting from mining shall occur unless a wetland replacement
11 plan, approved by the commissioner, is incorporated into the
12 mining and reclamation plans of a mining operation for which a
13 permit to mine is required. The replacement plan shall apply
14 the principles and standards contained in the section entitled
15 "Standards and Procedures for Evaluating Wetland Replacement
16 Plans" of chapter 8410, wetland rules, adopted pursuant to
17 Minnesota Statutes, section 103G.2242.

18 Subp. 2. Procedure. The procedures for replacement plan
19 approval shall be those contained in chapter 8410, wetland
20 rules, adopted pursuant to Minnesota Statutes, section
21 103G.2242, with the commissioner acting as the approving
22 authority. Upon the receipt of an approved replacement plan,
23 the plan shall be incorporated into the permittee's mining and
24 reclamation plan by inclusion in the annual report, pursuant to
25 part 6132.1300, subpart 3, item H.

26 Because of the time necessary to process wetland
27 replacement plans, it is advisable to initiate this process well
28 in advance of the point when any given annual report is required
29 to be submitted, if the permittee wants to initiate wetland
30 replacement during the upcoming year described in that annual
31 report.