

**NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT (EXCERPT)**  
**Act 451 of 1994**  
Subpart 6  
**UNDERGROUND MINING**

**324.63532 Surface effects of underground mining; rules.**

Sec. 63532.

The department shall promulgate rules applicable to the surface effects of underground mining that are consistent with the requirements of the surface mining control and reclamation act of 1977, and regulations adopted pursuant to that act by the secretary of interior of the United States relative to coal mining.

**History:** Add. 1995, Act 57, Imd. Eff. May 24, 1995

**Popular Name:** Act 451

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**324.63533 Permit requirements; suspension of underground coal mining; imminent danger; applicability of subparts 3, 4, 5, 7, and 8 to surface operations and surface impacts incident to underground coal mine; modifications; rules.**

Sec. 63533.

(1) A permit issued pursuant to this part relating to underground coal mining shall require the operator to do all of the following:

(a) Adopt measures consistent with technology currently available to prevent subsidence causing material damage to the extent technologically and economically feasible; maximize mine stability; and maintain the value and reasonably foreseeable use of such surface lands, except in those instances where the mining technology used requires planned subsidence in a predictable and controlled manner. This subsection does not prohibit the standard method of room and pillar mining.

(b) Seal all portals, entryways, drifts, shafts, or other openings between the surface and underground mine working when no longer needed for the conduct of the mining operations.

(c) Fill or seal exploratory holes no longer necessary for mining, maximizing to the extent technologically and economically feasible return of mine and processing waste, tailings, and any other waste incident to the mining operation, to the mine workings or excavations.

(d) With respect to surface disposal of mine wastes, tailings, coal processing wastes, and other wastes in areas other than the mine workings or excavations, stabilize all waste piles created by the permittee from current operations through construction in compacted layers, including the use of incombustible and impervious materials if necessary; assure that the leachate will not degrade surface or groundwaters below water quality standards established pursuant to applicable federal and state law; and assure that the final contour of the waste accumulation will be compatible with natural surroundings and that the site is stabilized and revegetated according to this section.

(e) Design, locate, construct, operate, maintain, enlarge, modify, and remove or abandon all existing and new coal mine waste piles consisting of mine wastes, tailings, coal processing wastes, or other liquid and solid wastes and used either temporarily or permanently as dams or embankments.

(f) Establish, on regraded areas and all other lands affected, a diverse and permanent vegetative cover that is capable of self-regeneration and plant succession and that is at least equal in extent of cover to the natural vegetation of the area.

(g) Protect off-site areas from damages that may result from underground mining operations.

(h) Eliminate fire hazards and eliminate conditions that constitute a hazard to health and safety of the public.

(i) Minimize the disturbances of the prevailing hydrologic balance at the mine site and in associated off-site areas and to the quantity of water in surface groundwater systems both during and after coal mining operations and during reclamation by meeting both of the following requirements:

(i) Avoiding acid or other toxic mine drainage by such measures as the following:

(A) Preventing or removing water from contact with toxic producing deposits.

(B) Treating drainage to reduce toxic content that adversely affects downstream water upon being released to watercourses.

(C) Casing, sealing, or otherwise managing boreholes, shafts, and wells to keep acid or other toxic drainage from

entering surface and groundwaters.

(ii) Conducting surface coal mining operations so as to prevent, to the extent possible using technology currently available, additional contributions of suspended solids to streamflow or runoff outside the permit area, but in no event shall such contributions be in excess of requirements set by applicable state or federal law; and avoiding channel deepening or enlargement in operations requiring the discharge of water from mines.

(j) With respect to other surface impacts not specified in this subsection, including the construction of new roads or the improvement or use of existing roads to gain access to the site of such activities and for haulage, repair areas, storage areas, processing areas, shipping areas, and other areas upon which are sited structures, facilities, or other property or materials on the surface, resulting from or incident to such activities, operate in accordance with the standards established under section 63527 for those effects that result from surface coal mining operations, except that the department shall make modifications in the requirements imposed by this subdivision as are necessary to accommodate the distinct difference between surface and underground coal mining.

(k) To the extent possible using technology currently available, minimize disturbances and adverse impacts of the operation on fish, wildlife, and related environmental values, and achieve enhancement of those resources where practicable.

(l) Locate openings for all new drift mines working acid-producing or iron-producing coal seams in such a manner as to prevent a gravity discharge of water from the mine.

(2) To protect the stability of the land, the department shall suspend underground coal mining under urbanized areas, cities, towns, and communities and adjacent to industrial or commercial buildings, major impoundments, or permanent streams if the department finds imminent danger to inhabitants of the urbanized areas, cities, towns, and communities.

(3) Subparts 3, 4, 5, 7, and 8 are applicable to surface operations and surface impacts incident to an underground coal mine with such modifications to the permit application requirements, permit approval or denial procedures, and bond requirements as are necessary to accommodate the distinct difference between surface and underground coal mining. The department shall promulgate rules to make those modifications.

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