

(2) A U. S. Geological Survey quadrangle sheet, 7 1/2 minute series enlarged to a scale satisfactory to the Department showing the location of the land affected by the contemplated operation. The map shall be prepared and certified by a registered engineer or registered surveyor approved by the Department. It shall show the boundaries of the area of land which will be affected, the drainage area above and below the area, the location and names of all streams, roads, railroads, buildings, and utility lines on or immediately adjacent to the area, the name of the owner of the area, the boundaries and names of the owners of all surface areas abutting the permit area, and the nearest municipality;

(3) The results of test borings which the operator has conducted at the site of the proposed operation. The application shall include data such as the nature and depth of the overburden, the thickness of the coal seam, a complete analysis of the coal seam and soil samples, the crop line and strike and dip of the coal seam, and the location of the test boring holes;

(4) A determination of the probable hydrologic consequences of the mining and reclamation operations upon surface and ground waters both on and off the permit area. The cost of analysis of test borings or core samplings and the determination of probable hydrologic consequences may be assumed by the Department upon the request of an operator if the Department determines that the projected total annual production by the operator at all permits is less than 100,000 tons. Information pertaining to the coal seam, test borings, core samples and soil samples shall be available to the public except that information as to the chemical and physical properties of the coal seam other than its potential toxicity shall be confidential.

(5) A certificate stating that the applicant has a liability insurance policy for the operation for which the permit is sought in such amount as the Department determines to be necessary to compensate any person injured or damaged by the operation.

(6) A permit fee of \$10.

(7) A detailed mining and reclamation plan showing at a minimum, the method for construction of all haul roads, the method for removing and stockpiling topsoil material, the method of mining, a plan for blasting, a plan for control of drainage from the site, a plan for and method of backfilling and regrading, and a plan for revegetation of the area affected.

(d) Procedures for review of an application shall be as follows: