**Section 1780.35 Disposal of Excess Spoil**

a) Each application shall contain descriptions, including appropriate maps and cross-section drawings, of the proposed disposal site and design of the spoil disposal structures according to 62 Ill. Adm. Code 1816.71 through 1816.74. These plans shall describe the geotechnical investigation, design, construction, operation, maintenance, and removal, if appropriate, of the site and structures.

b) Each application shall contain the results of a geotechnical investigation of the proposed disposal site, including the following:

1) The character of bedrock and any adverse geologic conditions in the disposal area;

2) A survey identifying all springs, seepage, and ground water flow observed or anticipated during wet periods in the area of the disposal site;

3) A survey of the potential effects of subsidence of the subsurface strata due to past and future mining operations;

4) A technical description of the rock materials to be utilized in the construction of those disposal structures containing rock chimney cores or underlain by a rock drainage blanket; and

5) A stability analysis including, but not limited to, strength parameters, pore pressures and long-term seepage conditions. These data shall be accompanied by a description of all engineering design assumptions and calculations and the alternatives considered in selecting the specific design specifications and methods.

c) If, under 62 Ill. Adm. Code 1816.71(i), rocktoe buttresses or key-way cuts are required, the application shall include the following:

1) The number, location, and depth of borings or test pits which shall be determined with respect to the size of the spoil disposal structure and subsurface conditions; and

2) Engineering specifications utilized to design the rock-toe buttress or key-way cuts which shall be determined in accordance with subsection (b)(5).

(Source: Amended at 11 Ill. Reg. 8602, effective July 1, 1987)