OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION
POLICY/PROCEDURE DIRECTIVE

Underground 91-1

Subject: Underground Mine Maps

Effective: June 1, 1991

Purpose: To establish criteria for review and approval of underground mine maps.

Pursuant to O.A.C. 1501:13-12-03(N), underground coal mine operators are required to submit a detailed plan of the underground workings on a schedule approved by the chief. Operators may comply with this requirement by submitting a copy of the mine map provided to the Division of Mines pursuant to O.R.C. Section 4153.04, supplemented with items needed to meet the requirements of rule 1501:13-12-3(N).

Mine maps are to be prepared on the base map (also termed the projection map) required by O.R.C. Section 4153.03. The preferred scale of such maps shall be the same as the application map. Mine maps shall contain the following information:

a) surface owner names and property lines
b) streams and other bodies of water
c) township and county lines and names
d) section lines and numbers
e) buildings and other surface structures
f) public roads and railroad tracks
g) mine openings and surveyed workings, showing pillar and entry size, configuration and location
h) survey extension dates for all workings, including longwall face or pillar recovery lines
i) areas of full extraction
j) coal elevations and extraction height
k) completion dates for individual sections (if sealed, date and location of seal)
l) maximum extraction ratios for completed sections
m) ground water and subsidence monitoring stations
n) the boundaries of the authorized mining area
o) the location and extent of any other mine excavation (surface or underground) within the same seam being mined
p) a map title block and notarized map certification

The limits of the map shall extend five hundred feet beyond the boundaries of the authorized mining area.

Revised Code section 4153.04 requires mine maps to be submitted at least annually. The same schedule shall apply to the submittal of mine maps to the Division of Reclamation unless the approved subsidence control plan requires a more frequent submittal.

The annual mine map shall be reviewed by the Division inspector for all of the previously listed information. Maps lacking the required information, or containing inaccurate information shall be required to be revised in accordance with the applicable procedures outlined in I.&E. P.P.D. 88-6 (Annual Maps). Approved mine maps shall be distributed in the same manner as annual maps and reports.

Revised Code section 4153.04 requires mine maps to be maintained at each office and to be updated with the latest survey of the underground workings whenever such workings are extended four hundred feet in any direction, but not more often than once every six months. These maps should be provided to the authorized representative of the chief for inspection upon request.

During the course of routine inspections, the current mine map shall be reviewed to verify compliance with various aspects of the operator's approved subsidence control plan. Such aspects shall include, but not be limited to, the following:

a) mining within the authorized mining area
b) full coal recovery mining in approved areas
c) mining within the approved limits for entry width, pillar dimensions, and extraction ratios
d) appropriate sizing for approved pillar support areas
e) appropriate surface owner notification
f) completion of required pre-subsidence surveys

If the mine map review indicates that the terms of the subsidence control plan have not been followed, then the appropriate enforcement action will be initiated.

Gordon L. Hufford, Manager
Inspection and Enforcement Section

GLH/tp