

1970. No. 126

[C]

COAL AND OTHER MINES**Working Plans**

RULES, DATED 1ST JUNE 1970, MADE BY THE MINISTRY OF COMMERCE UNDER SECTION 17(2) OF THE MINES ACT (NORTHERN IRELAND) 1969.

The Ministry of Commerce in exercise of the powers conferred on it by section 17(2) of the Mines Act (Northern Ireland) 1969(a) and of all other powers enabling it in that behalf, hereby makes the following rules:—

Citation

1. These rules may be cited as the Coal and Other Mines (Working Plans) Rules (Northern Ireland) 1970.

Application

2. The provisions of these rules shall apply to plans of workings in mines kept in pursuance of Part III of the Coal and Other Mines (Surveyors and Plans) Regulations (Northern Ireland) 1970(b). In these rules such a plan kept in pursuance of regulation 7 is referred to as "a new plan" and such a plan kept in pursuance of regulation 8 is referred to as "an old plan".

Scale of Plans

3. Every plan to which these rules apply shall be on a scale not smaller than 1/2500.

Correlation with grid

4. Every new plan shall be orientated to and correlated with the Ordnance Survey existing County Series Plan:

Provided that every new plan made after the date when large-scale maps on Irish Grid sheet lines have been published for the area in which the mine is situated shall be orientated to and correlated with the Ordnance Survey Irish Grid and carry at least one easting line and one northing line of the Irish Grid, each marked with its full Irish Grid value in metres.

Ordnance Datum

5. Every plan shall specify the Ordnance Datum used in preparation of that plan: whether Poolbeg or mean sea level.

Variations in level

6.—(1) Every new plan shall indicate variations in level from an assumed datum ten thousand feet below Ordnance Datum—

- (a) on every length of road which is a main intake airway or a main return airway for the purposes of the Coal and Other Mines (Ventilation) Regulations (Northern Ireland) 1970(c); and
- (b) so far as they can be ascertained, on the outline of any disused or abandoned workings shown on the plan;

(a) 1969, c. 6 (N.I.).
(c) S.R. & O. (N.I.) 1970, No. 125.

(b) S.R. & O. (N.I.) 1970, No. 135.

at horizontal intervals not exceeding three hundred feet and at any such intermediate points as are necessary to indicate any substantial change in gradient within such an interval.

(2) Every old plan shall indicate variations from Ordnance Datum or from a datum below Ordnance Datum specified on the plan on such appropriate roads in the mine and at such places thereon as to indicate the gradients and any substantial change of gradient, being variations of ten feet or multiples of ten feet.

Gradient of seam

7.—(1) Every new plan shall, so far as their position can be ascertained, be marked with contour lines indicating the level of the floor of the workings in every part of the seam which is being worked, being the level relative to the assumed datum ten thousand feet below Ordnance Datum as follows, that is to say—

- (a) if the gradient of the seam at no place exceeds 1:3, such lines shall show vertical variations at intervals not exceeding fifty feet; or
- (b) if the gradient of the seam exceeds 1:3 at any place, such lines shall show the vertical variations of multiples of ten feet being not less than fifty feet nor more than one hundred and fifty feet.

In every case the vertical variation represented by any consecutive contour lines shall be the same throughout the plan and the lines shall be marked with the level relative to the assumed datum.

(2) In the case of any new plan where the level of the floor of the workings in a seam shown thereon does not change by more than fifty feet, the plan shall show the direction and rate of dip of the same.

(3) Every old plan shall show the general direction and rate of dip of the strata.

Faults

8. Every plan to which these rules apply shall show the position, direction, extent and vertical throw, so far as they can be ascertained, of any known fault or other displacement of the seam (in the case of a new plan) or each seam (in the case of an old plan) and any known washout, roll, igneous intrusion or mineral vein affecting such seam.

Manner of showing other workings

9. On every plan to which these rules apply workings shown in pursuance of regulation 9 of the Coal and Other Mines (Surveyors and Plans) Regulations (Northern Ireland) 1970 shall be shown in outline.

External dangers to workings

10. If there is any evidence that within one hundred and fifty feet of any working in a mine there may be—

- (a) any rock or stratum containing or likely to contain water (whether dispersed or in natural cavities) which might constitute a danger to persons in the mine;
- (b) any peat, moss, sand, gravel, silt or other material that is likely to flow when wet;

the plan of that working shall record the nature, position, thickness and extent thereof as accurately as possible and shall also record such particulars, so far as

they are available, of any such rock, stratum or material within the boundaries of the mines or within three hundred and seventy-five feet outside any such boundary.

Water dams

11. Every new plan shall show, so far as they can be ascertained, the position and the dimensions of any water dam which may affect workings in the seam.

Position and level of shafts, etc.

12.—(1) Every plan to which these rules apply shall show, so far as they can be ascertained, the position of and the level at the top and bottom of every shaft, outlet, drift or staple-pit giving access to the workings to which the plan relates and the level of every entrance giving access thereto from those workings.

(2) Every new plan shall show, so far as they can be ascertained, the position and the level at the top and bottom of every borehole sunk from or driven to the surface or from one seam to another which may provide evidence relevant to the workings to which the plan relates.

Boundaries

13. Every plan to which these rules apply shall show the boundaries to which it is intended that the workings shown thereon should extend.

Correlation

14. Every new plan shall indicate—

(a) the direction of the North point:

Provided that every new plan made after the date when large-scale maps on Irish Grid sheet-lines have been published for the area in which the mine is situated shall indicate the direction of the Irish Grid North;

(b) the assumed datum level; and

(c) the date on which it was commenced.

Sealed with the Official Seal of the Ministry of Commerce for Northern Ireland this 1st day of June 1970 in the presence of

(L.S.)

J. H. Armstrong,
Assistant Secretary.

EXPLANATORY NOTE

(This note is not part of the rules but is intended to indicate their general purport.)

These rules specify the form and manner of preparation of working plans for mines of coal, stratified ironstone, shale and fireclay and in particular specify the scale of such plans.