
 STATUTORY INSTRUMENTS

1983 No. 710

HEALTH AND SAFETY

MINES AND QUARRIES

**The Coal and Other Mines (Safety-Lamps and Lighting)
(Amendment) Regulations 1983**

<i>Made - - - -</i>	11th May 1983
<i>Laid before Parliament</i>	12th May 1983
<i>Coming into Operation</i>	3rd June 1983

The Secretary of State, in exercise of the powers conferred on him by sections 15(1), (2), (3)(a) and (b), (4)(a) and (b) and 82(3)(a) of, and paragraphs 1(1)(a) and (c) and (2), 4(1) and 6(1) of Schedule 3 to, the Health and Safety at Work etc. Act 1974 (a) ("the 1974 Act") and of all other powers enabling him in that behalf, and for the purpose of giving effect without modifications to proposals submitted to him by the Health and Safety Commission under section 11(2)(d) of the 1974 Act after the carrying out by the said Commission of consultations in accordance with section 50(3) of that Act, hereby makes the following Regulations:—

Citation and commencement

1. These Regulations may be cited as the Coal and Other Mines (Safety-Lamps and Lighting) (Amendment) Regulations 1983 and shall come into operation on 3rd June 1983.

Amendment of section 182(1) of the Mines and Quarries Act 1954

2. In section 182(1) of the Mines and Quarries Act 1954 (b) the definition of "permitted lights" shall be amended by adding after the word "regulations" the words "or Regulations 18 and 18A of the Coal and Other Mines (Safety-Lamps and Lighting) Regulations 1956 (c) as substituted and inserted respectively by the Coal and Other Mines (Safety-Lamps and Lighting) (Amendment) Regulations 1983".

Amendment of Coal and Other Mines (Safety-Lamps and Lighting) Regulations 1956

3.—(1) The Coal and Other Mines (Safety-Lamps and Lighting) Regulations 1956 shall be amended in accordance with the following provisions of this Regulation.

(2) For Regulation 18 (which relates to permitted lights) substitute—

“18.—(1) Subject to the following provisions of this Regulation and to the provisions of the Coal and Other Mines (Electricity) Regulations 1956 (d) and without prejudice to Regulation 18A, electric lights

(a) 1974 c.37; section 15 was amended by the Employment Protection Act 1975 (c.71), section 116 and Schedule 15, paragraph 6.

(b) 1954 c.70, to which there are amendments not relevant to these Regulations.

(c) S.I. 1956/1765, to which there are amendments not relevant to these Regulations.

(d) S.I. 1956/1766, to which there are amendments not relevant to these Regulations.

supplied with electricity from a source of electric power external to the lighting unit are hereby authorised to be used at the following places in mines in which the use of lamps or lights, other than permitted lights, is otherwise unlawful (either throughout or in any part) that is to say in any length of road except within 10 metres of a working face, and accordingly such electric lights so used are permitted lights in those mines.

(2) Electricity exceeding 250 volts shall not be applied to any such lights, and where the system is single phase alternating current or direct current, the mid-voltage point shall be connected to earth, and where it is polyphase alternating current, the neutral point shall be connected to earth; but—

- (a) no automatic circuit breaker or fuse shall be used in any such connection as is described in this paragraph; and
- (b) the requirements specified in this paragraph shall not apply to indicator lights which are accessories to switchgear.

(3) It shall be the duty of the manager to ensure that appropriate precautions are taken to prevent damage to any such electric lighting system from shot firing.

(4) In any part of a mine in which flammable gas, whether or not normally present, is likely to occur in a quantity sufficient to indicate danger, electrical equipment may only be used as part of an electrical system if it has been certified by the Health and Safety Executive as being suitable for use in such a part or it has received a certificate of conformity or a certificate of inspection in accordance with Council Directive No. 82/130/EEC (a) (which relates to the approximation of the laws of the Member States concerning electrical equipment for use in potentially explosive atmospheres in mines susceptible to firedamp)."

(3) After Regulation 18 insert the following—

“18A.—(1) Subject to the following provisions of this Regulation and to the provisions of the Coal and Other Mines (Electricity) Regulations 1956, electric lights supplied with electricity from a source of electric power external to the lighting unit are hereby authorised to be used at the following places in mines in which the use of lamps or lights, other than permitted lights, is otherwise unlawful (either throughout or in any part) that is to say at a working face or within 10 metres of it, and accordingly such lights so used are permitted lights in those mines.

(2) Such lights shall—

- (a) be lights which are fittings of or accessories to any machinery or electrical apparatus (including signalling apparatus) and which are of a type approved by the Health and Safety Executive; or
- (b) be lights which are fittings of or accessories to any machinery or electrical apparatus (including signalling apparatus) supplied from a source of power which is an integral part of any machinery or electrical apparatus which machinery or apparatus is of a type approved by the Health and Safety Executive; or
- (c) form part of a system certified by the Health and Safety Executive as being intrinsically safe; or
- (d) have been certified by the Health and Safety Executive as being suitable for use in such an area as is specified in paragraph (1) of this Regulation or have received a certificate of conformity or a

(a) OJ No. L59, 2.3.82, p.10.

certificate of inspection in accordance with Council Directive No. 82/130/EEC.

(3) Any lights or apparatus certified or approved under this Regulation as being suitable for use in such an area as is specified in paragraph (1) hereof may only be used if—

- (a) the power supply to such lights or apparatus does not exceed 125 volts;
- (b) the only power supply to the system is either—
 - (i) single phase alternating current or direct current with the mid-voltage point connected to earth, or
 - (ii) polyphase alternating current with the neutral point connected to earth,and no automatic circuit breaker or fuse is used in any such connection to earth (except that the requirements specified in this sub-paragraph shall not apply to indicator lights which are accessories to switchgear);
- (c) the maximum prospective leakage current to earth of the system does not exceed one ampere;
- (d) effective means are provided for automatically cutting off the supply of electricity if the leakage current to earth of the system exceeds one third of its maximum prospective leakage current to earth;
- (e) every cable supplying such lights is protected throughout by a suitable metallic covering, containing in any given place all the conductors forming part of the system in that place, and having a conductance throughout of at least one half that of the conductor having the greatest current carrying capacity enclosed thereby; and
- (f) every flexible cable—
 - (i) has each of its cores enclosed in a screen of wires which is an earthing conductor and has a conductance of at least one quarter of the core it encloses; and
 - (ii) is connected to any other electrical apparatus by means of a properly constructed connector which has suitable provision for connecting to earth the screens of wires enclosing the cores.

(4) It shall be the duty of the manager to ensure that appropriate precautions are taken to prevent damage to any such electric lighting system from shot firing.

(5) Regulation 13(2) of the Coal and Other Mines (Electricity) Regulations 1956 shall not apply to any cable supplying such a light.

(6) The provisions of this Regulation shall not apply to any light connected to a film lighting circuit to which the Coal and Other Mines (Electric Lighting for Filming) Regulations 1979(a) apply.”

(4) Regulation 20 is hereby revoked.

(5) In Regulation 25(1), after the definition of “detector” insert the following definition:

“ ‘electrical system’ means a system for transmitting and using electricity

(a) S.I. 1979/1203.

in which all conductors and apparatus forming part thereof are connected to a common source of electricity”.

Transitional Provision

4. Any lights which were permitted lights and installed immediately before the coming into operation of these Regulations shall continue to be permitted lights as if the law which was then in force were still in force.

Revocation and amendment of Regulations

5.—(1) The Regulations specified in the Schedule to these Regulations are hereby revoked.

(2) Regulation 4(2) of the Coal and Other Mines (Electric Lighting for Filming) Regulations 1979 shall be amended by substituting for the words “Regulation 18(5) of the Coal and Other Mines (Safety-Lamps and Lighting) Regulations 1956” the words “Regulation 18(4) of the Coal and Other Mines (Safety-Lamps and Lighting) Regulations 1956 (as amended)”.

John E. M. Moore,
Parliamentary Under Secretary of State,
Department of Energy.

11th May 1983.

John Selwyn Gummer,
Parliamentary Under Secretary of State,
Department of Employment.

11th May 1983.

Regulation 5(1)

SCHEDULE

REGULATIONS REVOKED

REGULATIONS	REFERENCES	
The Donisthorpe Mine	(Electric Lighting) Special Regulations, 1960	S.I. 1960/249
The Highhouse Nos. 1 and 2 Mine	(Electric Lighting) Special Regulations, 1961	S.I. 1961/1274
The Lofthouse Mine	(Electric Lighting) Special Regulations, 1962	S.I. 1962/97
The New Lount Mine	(Electric Lighting) Special Regulations, 1962	S.I. 1962/1358
The Fishburn Mine	(Electric Lighting) Special Regulations, 1963	S.I. 1963/1867
The Rothwell Mine	(Electric Lighting) Special Regulations, 1964	S.I. 1964/599
The Bold Mine	(Electric Lighting) Special Regulations, 1965	S.I. 1965/1640
The Newstead Mine	(Electric Lighting) Special Regulations, 1966	S.I. 1966/924
The Nailstone Mine	(Electric Lighting) Special Regulations, 1966	S.I. 1966/456
The Killoch Mine	(Electric Lighting) Special Regulations, 1966	S.I. 1966/311
The Selston Mine	(Electric Lighting) Special Regulations, 1966	S.I. 1966/116
The Manor Mine	(Electric Lighting) Special Regulations, 1967	S.I. 1967/1412
The Granville Mine	(Electric Lighting) Special Regulations, 1967	S.I. 1967/1411
The Sherwood Mine	(Electric Lighting) Special Regulations, 1968	S.I. 1968/2014
The Rawdon Mine	(Electric Lighting) Special Regulations, 1968	S.I. 1968/1971
The Seafield Mine	(Electric Lighting) Special Regulations, 1968	S.I. 1968/1888
The Wearmouth Mine	(Electric Lighting) Special Regulations, 1968	S.I. 1968/1796
The Baddesley Mine	(Electric Lighting) Special Regulations, 1968	S.I. 1968/1674
The Barrow Mine	(Electric Lighting) Special Regulations, 1968	S.I. 1968/1159
The Havannah Mine	(Electric Lighting) Special Regulations, 1968	S.I. 1968/976
The Betteshanger Mine	(Electric Lighting) Special Regulations, 1969	S.I. 1969/1591
The Bilston Glen Mine	(Electric Lighting) Special Regulations, 1969	S.I. 1969/1145
The Calverton Mine	(Electric Lighting) Special Regulations, 1969	S.I. 1969/1531
The Coventry Mine	(Electric Lighting) Special Regulations, 1969	S.I. 1969/1486
The Daw Mill Mine	(Electric Lighting) Special Regulations, 1969	S.I. 1969/215
The Boldon Mine	(Electric Lighting) Special Regulations, 1969	S.I. 1969/242
The Eppleton Mine	(Electric Lighting) Special Regulations, 1969	S.I. 1969/1875
The Hucknall Mine	(Electric Lighting) Special Regulations, 1969	S.I. 1969/1544
The Kellingley Mine	(Electric Lighting) Special Regulations, 1969	S.I. 1969/838
The Lea Hall Mine	(Electric Lighting) Special Regulations, 1969	S.I. 1969/980
The Markham Mine	(Electric Lighting) Special Regulations, 1969	S.I. 1969/273
The Measham Mine	(Electric Lighting) Special Regulations, 1969	S.I. 1969/1779
The Monktonhall Mine	(Electric Lighting) Special Regulations, 1969	S.I. 1969/1146
The Snibston Mine	(Electric Lighting) Special Regulations, 1969	S.I. 1969/328
The South Kirkby Mine	(Electric Lighting) Special Regulations, 1969	S.I. 1969/874
The Cadley Hill Mine	(Electric Lighting) Special Regulations, 1970	S.I. 1970/1186
The Donisthorpe Mine	(Electric Lighting) Special Regulations, 1970	S.I. 1970/1121
The Manton Mine	(Electric Lighting) Special Regulations, 1970	S.I. 1970/698
The Newdigate Mine	(Electric Lighting) Special Regulations, 1970	S.I. 1970/974
The Ollerton Mine	(Electric Lighting) Special Regulations, 1970	S.I. 1970/90
The Riddings Drift Mine	(Electric Lighting) Special Regulations, 1970	S.I. 1970/513
The Snowdon Mine	(Electric Lighting) Special Regulations, 1970	S.I. 1970/1229
The Tilmanstone Mine	(Electric Lighting) Special Regulations, 1970	S.I. 1970/1069
The Yorkshire Main Mine	(Electric Lighting) Special Regulations, 1970	S.I. 1970/742
The Murton Mine	(Electric Lighting) Special Regulations, 1971	S.I. 1971/17
The Ashington Mine	(Electric Lighting) Special Regulations, 1971	S.I. 1971/80
The Gomersal Mine	(Electric Lighting) Special Regulations, 1971	S.I. 1971/772
The Desford Mine	(Electric Lighting) Special Regulations, 1971	S.I. 1971/816
The Solsgirth Mine	(Electric Lighting) Special Regulations, 1971	S.I. 1971/1787
The Frances Mine	(Electric Lighting) Special Regulations, 1971	S.I. 1971/1841
The Castlehill Mine	(Electric Lighting) Special Regulations, 1971	S.I. 1971/1834
The Silverwood Mine	(Electric Lighting) Special Regulations, 1972	S.I. 1972/142
The Warsop Main Mine	(Electric Lighting) Special Regulations, 1972	S.I. 1972/958
The Glapwell Mine	(Electric Lighting) Special Regulations, 1972	S.I. 1972/957
The Arkwright Mine	(Electric Lighting) Special Regulations, 1972	S.I. 1972/1394
The Dawdon Mine	(Electric Lighting) Special Regulations, 1973	S.I. 1973/1961
The Pye Hill Mine	(Electric Lighting) Special Regulations, 1973	S.I. 1973/1149
The Maltby Main Mine	(Electric Lighting) Special Regulations, 1974	S.I. 1974/927
The Hatfield/Thorne Mine	(Electric Lighting) Special Regulations, 1974	S.I. 1974/1617
The Bickershaw Mine	(Electric Lighting) Special Regulations, 1974	S.I. 1974/1409
The Westoe Mine	(Electric Lighting) Special Regulations, 1974	S.I. 1974/1397
The Hucknall Mine	(Electric Lighting) Special Regulations, 1974	S.I. 1974/1637

REGULATIONS		REFERENCES
The Moorgreen Mine	(Electric Lighting) Special Regulations, 1974	S.I. 1974/2216
The Bagworth Mine	(Electric Lighting) Special Regulations, 1974	S.I. 1974/1889
The Rossington Mine	(Electric Lighting) Special Regulations, 1974	S.I. 1974/1763
The Parsonage Mine	(Electric Lighting) Regulations, 1975	S.I. 1975/1678
The Rawdon Mine	(Electric Lighting) Regulations, 1975	S.I. 1975/1820
The Killoch Mine	(Electric Lighting) Regulations, 1975	S.I. 1975/1632
The Newdigate Mine	(Electric Lighting) Regulations, 1975	S.I. 1975/1822
The Brodsworth Mine	(Electric Lighting) Regulations, 1975	S.I. 1975/1679
The Bolsover Mine	(Electric Lighting) Regulations, 1975	S.I. 1975/1676
The Ellistown Mine	(Electric Lighting) Regulations, 1975	S.I. 1975/1677
The Daw Mill Mine	(Electric Lighting) Regulations, 1975	S.I. 1975/1819
The Chatterley-Whitfield Mine	(Electric Lighting) Regulations, 1975	S.I. 1975/1823
The Hapton Valley Mine	(Electric Lighting) Regulations, 1975	S.I. 1975/1821
The Linby Mine	(Electric Lighting) Regulations, 1976	S.I. 1976/2048
The Birch Coppice Mine	(Electric Lighting) Regulations, 1976	S.I. 1976/255
The Blidworth Mine	(Electric Lighting) Regulations, 1976	S.I. 1976/999
The Hem Heath Mine	(Electric Lighting) Regulations, 1976	S.I. 1976/254
The Wolstanton Mine	(Electric Lighting) Regulations, 1976	S.I. 1976/1444
The Whitwick Mine	(Electric Lighting) Regulations, 1976	S.I. 1976/80
The Markham Mine	(Electric Lighting) Regulations, 1976	S.I. 1976/81
The Desford Mine	(Electric Lighting) Regulations, 1976	S.I. 1976/130
The Cadeby Mine	(Electric Lighting) Regulations, 1977	S.I. 1977/201
The Markham Mine	(Electric Lighting) Regulations, 1977	S.I. 1977/202
The Bentinck Mine	(Electric Lighting) Regulations, 1978	S.I. 1978/1476
The Oakdale Mine	(Electric Lighting) Regulations, 1979	S.I. 1979/701
The Ellington Mine	(Electric Lighting) Regulations, 1979	S.I. 1979/984
The Easington Mine	(Electric Lighting) Regulations, 1979	S.I. 1979/1292

EXPLANATORY NOTE

(This Note is not part of the Regulations.)

These Regulations amend the Coal and Other Mines (Safety-Lamps and Lighting) Regulations 1956.

They also amend the definition of "permitted lights" in section 182(1) of the Mines and Quarries Act 1954.

They redefine the areas at which electric lights which do not have their own source of power may be used subject to specified conditions.

In particular they allow certain lights employing a lower voltage to be used at the working face or within 10 metres of it subject to further specified conditions.

The Regulations implement the provisions of Council Directive No. 82/130/EEC (which relates to the approximation of the laws of the Member States concerning electrical equipment for use in potentially explosive atmospheres in mines susceptible to firedamp) by allowing the use of electrical equipment which has been certified in accordance with the Directive.

They also contain transitional and incidental provisions including consequential amendments to preserve the effect of other existing Regulations.

The Regulations supersede and revoke a number of Regulations which made similar provision for individual mines.

SI 1983/710
ISBN 0-11-036710-3



780110 367101