

1979 No. 1203

HEALTH AND SAFETY
MINES AND QUARRIESThe Coal and Other Mines (Electric Lighting for Filming)
Regulations 1979

<i>Made</i> - - - -	<i>27th September 1979</i>
<i>Laid before Parliament</i>	<i>28th September 1979</i>
<i>Coming into Operation</i>	<i>20th October 1979</i>

The Secretary of State, in exercise of the powers conferred on him by section 15(1), (2), (3)(a) and (b), (4)(a), and (5)(a) of, and paragraphs 1(1)(a) and (c) and (2), 4(1), 6(1) and 8(2) 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 (Electric Lighting for Filming) Regulations 1979 and shall come into operation on 20th October 1979.

Interpretation

2.—(1) In these Regulations—

“the 1954 Act” means the Mines and Quarries Act 1954(b);

“electrical apparatus” and “flexible cable” have the meanings respectively assigned by Regulation 26(1) of the Coal and Other Mines (Electricity) Regulations 1956(c);

“the electrical engineering staff” has the meaning assigned by Regulation 6 of the Coal and Other Mines (Mechanics and Electricians) Regulations 1965(d);

“film lighting circuit” means any electric circuit at a mine used for the purpose of supplying electricity to electric lights from a source of electric power external to the lighting unit for the purpose of providing illumination for photography or video-tape recording, and includes any light and other electrical apparatus in that circuit;

(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; relevant amending instrument is S.I. 1974/2013.

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

(d) S.I. 1965/1559.

“manager” means the manager for the time being of a mine in which lights to which these Regulations apply are, or are to be used;

“system” means an electrical system in which all the conductors and apparatus are electrically connected to a common source of electricity.

(2) Expressions to which meanings are assigned by the 1954 Act shall, unless the contrary intention appears, have the same meanings in these Regulations.

(3) Expressions to which meanings are assigned by the 1954 Act, the 1974 Act or these Regulations shall, unless the contrary intention appears, have the same meanings in any document issued under these Regulations.

Application of these Regulations

3. These Regulations shall apply in relation to the use below ground of any lights in a film lighting circuit in a mine of coal, stratified ironstone, shale or fireclay which are not permitted lights.

Certain existing provisions not to apply where these Regulations apply

4.—(1) Section 62 of the 1954 Act (which relates to permitted lights) shall not apply to any lights to which these Regulations apply if—

(a) they are used at such times and in such places as may be approved in writing by an inspector and the circuit of which they are part comprises only apparatus of a type specified in the approval; and

(b) the provisions of Regulations 5 to 13 of these Regulations are complied with.

(2) Regulation 18(5) of the Coal and Other Mines (Safety-Lamps and Lighting) Regulations 1956(a) (which relates to the use of approved apparatus in certain cases) shall not apply in respect of any film lighting circuit.

Voltage, earthing and provisions for automatic cut-off

5.—(1) The voltage in any film lighting circuit shall not exceed 125.

(2) Any system comprising any such lighting circuit shall be either—

(a) a single phase alternating current system with the mid voltage point connected to earth, or

(b) a three phase alternating current system with the neutral point connected to earth.

(3) Any system which comprises any film lighting circuit shall be so designed that the prospective leakage current to earth does not exceed one ampere.

(4) Effective means shall be provided for automatically cutting off the supply of electricity from any film lighting circuit if the leakage current to earth exceeds one-third of the prospective leakage current to earth of the system of which the circuit forms a part.

Flexible cables

6. Nothing in Regulation 13(2) of the Coal and Other Mines (Electricity) Regulations 1956 shall require the earthing conductor of any flexible cable forming part of any film lighting circuit to have a cross-sectional area greater

than that of any one of the other conductors in that cable, but in no case shall the cross-sectional area of any such earthing conductor be less than 1.9 square millimetres.

7. In addition to the general requirements of Regulation 15 of the Coal and Other Mines (Electricity) Regulations 1956, wherever any flexible cable comprised in a film lighting circuit is connected to other apparatus the cable and any screen of wires containing or enclosing more or less completely all or any of the conductors in it shall be securely attached to that apparatus.

Requirements as to testing and maintenance of film lighting circuits

8. A film lighting circuit shall not be used unless—

- (a) it has been externally examined within the 24 hours immediately preceding such use; and
- (b) the insulation thereof and the conductors of every conductor of every flexible cable forming part of it has been tested within the 7 days immediately preceding such use;

and provision for such testing and examination shall be included in the scheme required by Regulation 10 of the Coal and Other Mines (Mechanics and Electricians) Regulations 1965.

Precautions against flammable dust

9. Where any film lighting circuit—

- (a) is used in a place in which flammable dust is or may be present, and
- (b) includes any light or other electrical apparatus which is or may become warm in use,

then the manager shall make, and ensure the carrying out of, arrangements to prevent the accumulation of dust on any surface of that light or apparatus in sufficient quantities to give rise to spontaneous ignition.

Competent person to be in charge of electric lighting for filming.

10. The manager shall appoint in writing a competent person to be in charge of the operation of each film lighting circuit throughout any period during which it or any part of it is in use.

Testing for flammable gas

11.—(1) During any shift of a person appointed under Regulation 10 of these Regulations electricity shall not be, or shall not continue to be, supplied to any film lighting circuit unless a competent person appointed in writing for the purpose by the manager has determined that the percentage of flammable gas present in the general body of the air in all accessible places within 20 metres of each light in that circuit does not exceed one half of one per cent—

- (a) immediately before such circuit is used for the first time in that shift;
- (b) at least once an hour after such circuit has begun to be used for as long as such circuit continues in use; and
- (c) if such use is discontinued for a period exceeding one hour, immediately before such use is resumed.

(2) Every determination made for the purposes of paragraph (1) of this Regulation shall be made by means of apparatus of a type approved by the Health and Safety Executive pursuant to Regulation 4 of the Coal and Other Mines (Ventilation) Regulations 1956(a) (for the purpose of making determinations of firedamp content).

Precautions against damage

12.—(1) The manager shall ensure that appropriate precautions are taken to prevent damage to any part of any film lighting circuit.

(2) Where it is found that any part of a film lighting circuit is damaged or defective the supply of electricity shall be cut off and shall not be restored until a member of the electrical engineering staff is satisfied that the damage has been repaired or the defective part has been repaired or replaced (as the case may be) and authorises the supply of electricity to be restored.

Shots not to be fired in vicinity of film lighting circuit

13. No person shall fire any shot or round of shots in a place in which, or in the vicinity of which, any part of a film lighting circuit is installed and accordingly Regulation 18(4) of the Coal and Other Mines (Safety-Lamps and Lighting) Regulations 1956 (which relates to precautions to prevent damage by shotfiring) shall not apply in respect of any film lighting circuit.

Revocation of Regulations

14. The Regulations specified in the Schedule to these Regulations are hereby revoked.

27th September 1979.

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

27th September 1979.

Patrick Mayhew,
Parliamentary Under Secretary of State,
Department of Employment.

(a) S.I. 1956/1764 to which there are amendments not relevant to these Regulations.

Regulation 14

SCHEDULE

REGULATIONS REVOKED

Regulations	References
The Fryston Mine (Electric Lighting for Cinematography) Regulations 1966	S.I. 1966/1422
The Kiveton Park Mine (Electric Lighting for Cinematography) Regulations 1967	S.I. 1967/280
The Holditch Mine (Electric Lighting for Cinematography) Regulations 1967	S.I. 1967/698
The Kellingley Mine (Electric Lighting for Cinematography) Regulations 1967	S.I. 1967/699
The Lea Hall Mine (Electric Lighting for Cinematography) Regulations 1967	S.I. 1967/1697
The Gedling Mine (Electric Lighting for Cinematography) Regulations 1968	S.I. 1968/554
The Westoe Mine (Electric Lighting for Cinematography) Regulations 1968	S.I. 1968/568
The Calverton Mine (Electric Lighting for Cinematography) Regulations 1968	S.I. 1968/698
The Golborne Mine (Electric Lighting for Cinematography) Regulations 1968	S.I. 1968/701
The Lynemouth Mine (Electric Lighting for Cinematography) Regulations 1968	S.I. 1968/1326
The Newstead Mine (Electric Lighting for Cinematography) Regulations 1968	S.I. 1968/2013
The Bagworth Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/154
The Cadley Hill Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/159
The Seafield Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/243
The Craghead Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/255
The Williamthorpe/Grassmoor Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/256
The Monktonhall Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/316
The Snibston Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/317
The Barony Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/555
The Bilston Glen Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/556
The Killoch Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/557
The Wearmouth Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/558
The Polkemmet Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/580
The Wolstanton Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/629
The Manvers Main Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/924
The Easington Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/979

Regulations	References
The Dawdon Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/1016
The Rawdon Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/1017
The Silverwood Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/1128
The Manton Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/1165
The Whittle Mine (Electric Lighting for Cinematography) Regulations 1969	S.I. 1969/1178
The Ellistown Mine (Electric Lighting for Cinematography) Regulations 1970	S.I. 1970/15
The Markham Mine (Electric Lighting for Cinematography) Regulations 1970	S.I. 1970/563
The Riddings Drift Mine (Electric Lighting for Cinematography) Regulations 1970	S.I. 1970/589
The Comrie Mine (Electric Lighting for Cinematography) Regulations 1970	S.I. 1970/980
The Horden Mine (Electric Lighting for Cinematography) Regulations 1970	S.I. 1970/1185
The Charlston Mine (Electric Lighting for Cinematography) Regulations 1971	S.I. 1971/16
The Pye Hill Mine (Electric Lighting for Cinematography) Regulations 1971	S.I. 1971/677
The Hem Heath Mine (Electric Lighting for Cinematography) Regulations 1972	S.I. 1972/694
The Ledston Luck Mine (Electric Lighting for Cinematography) Regulations 1972	S.I. 1972/876
The Whitwell Mine (Electric Lighting for Cinematography) Regulations 1972	S.I. 1972/983
The Cresswell Mine (Electric Lighting for Cinematography) Regulations 1973	S.I. 1973/473
The Bevercotes Mine (Electric Lighting for Cinematography) Regulations 1973	S.I. 1973/696
The Ackton Hall Mine (Electric Lighting for Cinematography) Regulations 1973	S.I. 1973/1772
The Birch Coppice Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/807
The Donisthorpe Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/808
The Whitwick Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/809
The Desford Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/856
The Baddesley Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/857
The Newdigate Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/967
The Measham Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1038
The South Leicester Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1039
The Coventry Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1059
The Daw Mill Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1084
The South Kirkby Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1102

Regulations	References
The Langwith Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1170
The Westthorpe Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1171
The Ireland Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1420
The Warsop Main Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1421
The Bedlay Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1425
The Frances Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1426
The Murton Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1427
The Dalquharran Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1428
The Dalkeith Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1429
The Cairnhill Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1430
The Rainton Adventure Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1431
The Bolsover Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1432
The Cardowan Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1433
The Pennyvenie Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1434
The Sacriston Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1435
The Minnevey Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1436
The Roger Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1437
The Shirebrook Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1450
The Solsgirth Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1451
The Kilnhurst Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1452
The Renishaw Park Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1453
The Arkwright Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1455
The High Moor Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1456
The Pleasley Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1457
The Highhouse Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1496
The Kinneil/Valleyfield Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1516
The Bogside Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1517
The Longannet Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1518
The Maltby Main Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1524

Regulations	References
The Marley Hill Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1525
The Dinnington Main Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1526
The Blackhall Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1527
The Cadeby Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1528
The Barnburgh Main Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1529
The Polmaise 3 and 4 Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1530
The Castlehill Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1545
The Wath Main Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1546
The Park Mill Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1561
The Elsecar Main Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1575
The Cortonwood Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1576
The Darfield Main Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1577
The Park Hill Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1578
The Boldon Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1579
The Walton Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1632
The Treeton Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1633
The New Stubbin Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1634
The Brookhouse Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1635
The Orgreave Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1636
The New Millerdam Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1638
The East Hetton Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1639
The Shireoaks Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1640
The Eppleton Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1653
The Barrow Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1826
The Thurcroft Main Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1827
The Herrington Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1828
The Vane Tempest Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1829
The Seaham Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1830
The Steetley Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1831

Regulations	References
The North Gawber Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1918
The Sorn Mine (Electric Lighting for Cinematography) Regulations 1974	S.I. 1974/1950
The Thoresby Mine (Electric Lighting for Cinematography) Regulations 1976	S.I. 1976/2056
The Teversal Mine (Electric Lighting for Cinematography) Regulations 1977	S.I. 1977/38
The Blaenavon Mine (Electric Lighting for Cinematography) Regulations 1977	S.I. 1977/484
The Bentley Mine (Electric Lighting for Cinematography) Regulations 1977	S.I. 1977/879
The Hickleton Mine (Electric Lighting for Cinematography) Regulations 1977	S.I. 1977/880
The Allerton Bywater Mine (Electric Lighting for Cinematography) Regulations 1977	S.I. 1977/967
The Rothwell Mine (Electric Lighting for Cinematography) Regulations 1977	S.I. 1977/968
The Penallta Mine (Electric Lighting for Cinematography) Regulations 1977	S.I. 1977/1195
The Jubilee Drift Mine (Electric Lighting for Cinematography) Regulations 1977	S.I. 1977/1662
The West Cannock No. 5 Mine (Electric Lighting for Cinematography) Regulations 1978	S.I. 1978/1477
The Wistow Mine (Electric Lighting for Cinematography) Regulations 1979	S.I. 1979/436

EXPLANATORY NOTE

(This Note is not part of the Regulations.)

These Regulations make provision for electric lighting for filming in mines of coal, stratified ironstone, shale and fireclay.

The Regulations stipulate the circumstances in which lighting may be used; these include approval by an inspector of the equipment and the layout of the circuit. They also place duties on the manager of the mine in relation to the testing of the equipment and the testing for the presence of flammable gas. Shot-firing in the vicinity of the circuit is prohibited.

Under provisions contained in the Mines and Quarries Act 1954 and Regulations made under it any lights which do not have their own sources of power are prohibited and accordingly these Regulations, where they apply, provide for exemption from those provisions.

The Regulations, which apply to all mines of the kinds specified above, supersede and revoke a number of Regulations which made similar provision for individual mines.

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