

FIRST SCHEDULE

THE COAL AND OTHER MINES (LOCOMOTIVES) REGULATIONS, 1956, HAVING EFFECT AS IF MADE UNDER SECTION ONE HUNDRED AND FORTY-ONE OF THE MINES AND QUARRIES ACT, 1954

PART VI

Additional provisions—diesel locomotives

Housing stations

25.—(1) The manager of every mine in which there is any diesel locomotive shall make and secure the efficient carrying out of arrangements whereby that locomotive is, when not in use, kept in a place appointed for that purpose by him (in these regulations referred to as a “housing station”).

(2) The manager shall ensure that every housing station—

- (a) is provided with not less than two means of egress;
- (b) is ventilated by a current of air sufficient to dilute and render harmless all exhaust gases emitted by any engine running therein;
- (c) is constructed of non-inflammable material;
- (d) has a floor of smooth concrete;
- (e) has an inspection pit or other suitable means for making inspections from below the locomotive; and
- (f) is provided with suitable and sufficient apparatus for combating outbreaks of fire.

Filling stations

26.—(1) No person shall replenish any diesel locomotive with fuel oil in any mine except at a place appointed for that purpose by the manager (in these regulations referred to as a “filling station”).

(2) The manager shall ensure that every filling station—

- (a) is provided with not less than two means of egress;
- (b) is ventilated by a current of air sufficient to dilute and render harmless all gases emitted therein;
- (c) is constructed of non-inflammable material;
- (d) has a floor of smooth concrete surrounded by a sill;
- (e) is provided with suitable and sufficient apparatus for combating outbreaks of fire; and
- (f) is so equipped that the spilling of oil is minimised.

(3) Any person spilling oil in a filling station shall—

- (a) forthwith wipe it up or cause it to be wiped up with a non-inflammable absorbent;
- (b) forthwith thereafter deposit that absorbent, or cause it to be deposited, in a fireproof receptacle; and
- (c) as soon as practicable take that absorbent, or cause it to be taken, to the surface.

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(4) No person shall take any oil from any container in a filling station while any internal combustion engine in the filling station is running.

(5) In a mine or part of a mine which is not a safety-lamp mine or safety-lamp part of a mine, no person shall, in, or within ten yards of, any filling station, smoke or use any lamp or light other than a locked safety-lamp or an electric lamp adequately protected:

Provided that this paragraph shall not apply in relation to any filling station constructed before the first day of May, nineteen hundred and forty-nine, in any mine of stratified ironstone or of shale for any diesel locomotive which was in use before that date or was required to be delivered under a contract made before that date.

Fuel oil

27. The manager of every mine in which any diesel locomotive runs shall make and secure the efficient carrying out of arrangements whereby—

- (a) no fuel oil is used for the generation of energy in that locomotive other than oil of a specification approved by the Minister;
- (b) no oil for use as aforesaid is taken below ground otherwise than in a suitable container which does not leak; and
- (c) any such oil at any time stored below ground (otherwise than in the tanks of a locomotive) —
 - (i) is kept in a filling station in a suitable container which does not leak; and
 - (ii) does not exceed in quantity, such quantity as, together with any oil then in the tanks of locomotives for which it has been brought below ground, is likely to be consumed by those locomotives (having regard to their normal user) within the period of forty-eight hours next following.

Posting of notices in filling stations

28. The manager of every mine in which any diesel locomotive runs shall ensure that a notice is kept posted in every filling station in such characters and in such a position as to be easily seen and read by the persons resorting thereto, being a notice specifying the requirements and prohibitions of paragraphs (1), (3), (4) and (5) (if applicable) of regulation twenty-six.

Exhaust gases

29. The manager of every mine in which any diesel locomotive runs shall ensure that no such locomotive runs therein if—

- (a) in the case of a locomotive in a mine of stratified ironstone or of shale, being a locomotive which was in use before the first day of May, nineteen hundred and forty-nine or was required to be delivered under a contract made before that date, gas emitted from its exhaust contains more than 0.4 per cent. by volume of carbon monoxide or 0.15 per cent. by volume of oxides of nitrogen; or
- (b) in any other case, gas emitted from its exhaust contains more than 0.2 per cent. by volume of carbon monoxide or 0.1 per cent. by volume of oxides of nitrogen.

30.—(1) No person for the time being operating any diesel locomotive in a mine shall keep the engine running when that locomotive is stationary except—

- (a) during brief halts while the locomotive is in use; or
- (b) while the locomotive is being tested.

(2) If at any place in a mine in which a diesel locomotive runs there is found in the general body of the air an amount of carbon monoxide exceeding 0.005 per cent. by volume, the manager shall forthwith take such steps as are necessary so to improve the ventilation at that place that that percentage of carbon monoxide is not exceeded.

(3) If at any place in a mine in which a diesel locomotive runs there is found in the general body of the air an amount of carbon monoxide exceeding 0.01 per cent. by volume, the manager shall ensure that no engine of a diesel locomotive is run at that place or at any other place at which such running could affect the ventilation at the first mentioned place until it has been determined that the amount of carbon monoxide in the general body of the air at the first mentioned place does not exceed 0.005 per cent. by volume.

31.—(1) The manager of every mine in which any diesel locomotive runs shall make and secure the efficient carrying out of arrangements whereby samples are taken by a competent person appointed for that purpose by him and analysed in accordance with the following provisions of this regulation.

(2) At intervals not exceeding ninety days separate samples of the gas emitted from the exhaust of every diesel locomotive in use in the mine shall be taken when the engine of the locomotive is—

- (a) developing maximum power; and
- (b) idling with the locomotive stationary.

(3) At intervals not exceeding thirty days separate samples of the general body of the air shall be taken at places and times appointed by the manager so as to secure the detection of any harmful concentration of carbon monoxide produced by any diesel locomotive. An inspector may by notice served on the manager require him to appoint any place specified in the notice either instead of or in addition to any place already appointed by the manager.

(4) Every sample taken in pursuance of paragraph (2) of this regulation shall within four days of the taking thereof be analysed to determine the percentages of carbon monoxide and oxides of nitrogen therein and every sample taken in pursuance of paragraph (3) of this regulation shall within that period be analysed to determine the percentage of carbon monoxide therein and particulars of each such analysis shall be recorded forthwith in a book provided for that purpose by the owner of the mine. In reckoning a period of four days for the purposes of this paragraph no account shall be taken of any Saturday, Sunday or day of general holiday.