

Council Directive 92/91/EEC of 3 November 1992 concerning the minimum requirements for improving the safety and health protection of workers in the mineral-extracting industries through drilling (eleventh individual Directive within the meaning of Article 16 (1) of Directive 89/391/EEC)

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## ANNEX

### MINIMUM SAFETY AND HEALTH REQUIREMENTS AS REFERRED TO IN ARTICLE 10 OF THE DIRECTIVE

Preliminary note

#### PART A

Common minimum requirements applicable to the on-shore and off-shore sectors...

1. Stability and solidity

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2. Organization and supervision
    - 2.1. Organization of the workplace
      - 2.1.1. Workplaces must be so organized as to provide adequate protection...
      - 2.1.2. Workstations must be designed and constructed according to ergonomic principles...
      - 2.1.3. Areas within which there is a special hazard must be...
    - 2.2. Person in charge
    - 2.3. Supervision
    - 2.4. Competent workers
    - 2.5. Information, instructions and training
    - 2.6. Written instructions
    - 2.7. Safe working methods
    - 2.8. Work permits
    - 2.9. Regular review of safety and health measures
  3. Mechanical and electrical equipment and plant
    - 3.1. General
    - 3.2. Specific provisions
  4. Maintenance
    - 4.1. General maintenance
    - 4.2. Safety equipment maintenance
  5. Well control
  6. Protection from harmful atmospheres and explosion risks
    - 6.1. Measures must be taken for assessing the presence of harmful...
    - 6.2. Protection from harmful atmospheres
      - 6.2.1. Where harmful substances accumulate or may accumulate in the atmosphere,...
      - 6.2.2. Without prejudice to Directive 89/656/EEC, appropriate and sufficient breathing and...
      - 6.2.3. Where hydrogen sulphide or other toxic gases are or may...
    - 6.3. Prevention of risks of explosion
      - 6.3.1. All necessary measures must be taken to prevent the occurrence...
      - 6.3.2. In areas where there are risks of explosion, all necessary...
      - 6.3.3. An explosion prevention plan detailing the equipment and measures required...
  7. Emergency routes and exits
    - 7.1. Emergency routes and exits must remain clear and lead by...
    - 7.2. In the event of danger, it must be possible for...
    - 7.3. The number, distribution and dimensions of the emergency routes and...
    - 7.4. Emergency doors must open outwards or, if this is impossible,...
    - 7.5. Specific emergency routes and exits must be indicated by signs...
    - 7.6. Emergency doors must not be locked.
    - 7.7. Emergency routes and exits requiring illumination must be provided with...
  8. Ventilation of enclosed workplaces
    - 8.1. Steps shall be taken to ensure that there is sufficient...
    - 8.2. If air-conditioning or mechanical ventilation installations are used, they must...
  9. Room temperature

- 9.1. During working hours, the temperature in rooms containing workplaces must...
- 9.2. The temperature in rest areas, rooms for duty staff, sanitary...
- 9.3. Windows, skylights and glass partitions should allow excessive effects of...
10. Floors, walls, ceilings and roofs of rooms
  - 10.1. The floors of workplaces must have no dangerous bumps, holes...
  - 10.2. The surfaces of floors, walls and ceilings in rooms must...
  - 10.3. Transparent or translucent walls, in particular all-glass partitions, in rooms...
  - 10.4. Access to roofs made of materials of insufficient strength must...
11. Natural and artificial lighting
  - 11.1. Every workplace must be provided throughout with lighting capable of...
  - 11.2. Workplaces must as far as possible receive sufficient natural light...
  - 11.3. Lighting installations in rooms containing workplaces and in passageways must...
  - 11.4. Workplaces in which workers are especially exposed to risks in...
  - 11.5. Lighting installations must be designed to ensure that operational control...
12. Windows and skylights
  - 12.1. Windows, skylights and ventilation devices which are meant to be...
  - 12.2. It must be possible to clean windows and skylights without...
13. Doors and gates
  - 13.1. The position, number and dimensions of doors and gates, and...
  - 13.2. Transparent doors must be appropriately marked at a conspicuous level...
  - 13.3. Swing doors and gates must be transparent or have see-through...
  - 13.4. If transparent or translucent surfaces in doors and gates are...
  - 13.5. Slidings doors must be fitted with a safety device to...
  - 13.6. Doors and gates opening upwards must be fitted with a...
  - 13.7. Doors along escape routes must be appropriately marked.
  - 13.8. Doors for pedestrians must be provided in the immediate vicinity...
  - 13.9. Mechanical doors and gates must function without risk of accident...
  - 13.10. Where chains or similar devices are used to prevent access...
14. Traffic routes
  - 14.1. It must be possible to reach workplaces without danger and...
  - 14.2. Traffic routes, including stairs, fixed ladders and loading bays and...
  - 14.3. Routes used for pedestrian traffic and/or goods traffic must be...
  - 14.4. Sufficient clearance must be allowed between vehicle traffic routes and...
  - 14.5. Traffic and access routes must be clearly identified for the...
15. Danger areas
  - 15.1. If the workplaces contain danger areas in which, owing to...
  - 15.2. Appropriate measures must be taken to protect workers authorized to...
  - 15.3. Danger areas must be clearly indicated.
16. Room dimensions and air space in rooms — freedom of...
  - 16.1. Workrooms must have sufficient surface area, height and air space...
  - 16.2. The dimensions of the unoccupied area at the workstation must...
17. Rest rooms
  - 17.1. Where the safety or health of workers, in particular because...
  - 17.2. Rest rooms must be large enough and equipped with an...

- 17.3. In rest rooms appropriate measures must be introduced for the...
- 17.4. If working hours are regularly and frequently interrupted and there...
- 18. Outdoor workplaces
  - 18.1. Workstations, traffic routes and other areas or installations outdoors which...
  - 18.2. Workplaces outdoors must be adequately lit by artificial lighting if...
  - 18.3. When workers are employed at workstations outdoors, such workstations must...
- 19. Pregnant women and nursing mothers
- 20. Handicapped workers

## PART B

### Special minimum requirements applicable to the on-shore sector

- 1. Fire detection and fire fighting
  - 1.1. Wherever workplaces are designed, constructed, equipped, commissioned, operated or maintained,...
  - 1.2. Workplaces must be equipped with appropriate fire-fighting equipment and, as...
  - 1.3. Non-automatic fire-fighting equipment must be easily accessible and simple to...
  - 1.4. A fire protection plan detailing the precautions to be taken,...
  - 1.5. The fire-fighting equipment must be indicated by signs in accordance...
- 2. Remote control in emergencies
- 3. Communication, general and emergency
  - 3.1. Where required by the safety and health document, every workplace...
  - 3.2. Facilities for raising the alarm must be provided at suitable...
  - 3.3. When workers are present at workplaces which are not normally...
- 4. Safe assembly points and muster list
- 5. Means of evacuation and escape
  - 5.1. Workers must be trained in the appropriate actions to be...
  - 5.2. Rescue equipment must be provided at readily accessible and appropriately...
  - 5.3. Where escape routes are difficult and where irrespirable atmospheres are...
- 6. Safety drills
- 7. Sanitary equipment
  - 7.1. Changing rooms and lockers
    - 7.1.1. Appropriate changing rooms must be provided for workers if they...
    - 7.1.2. Changing rooms must be sufficiently large and have facilities to...
    - 7.1.3. Provision must be made for separate changing rooms or separate...
    - 7.1.4. If changing rooms are not required under point 7.1.1. each...
  - 7.2. Showers and washbasins
    - 7.2.1. Adequate and suitable showers must be provided for workers if...
    - 7.2.2. The shower rooms must be sufficiently large to permit each...
    - 7.2.3. Where showers are not required under the first subparagraph of...
    - 7.2.4. Where the rooms housing the showers or washbasins are separate...

- 7.3. Lavatories and washbasins
- 8. First aid rooms and equipment
  - 8.1. First aid equipment must be appropriate to the type of...
  - 8.2. First aid rooms must be fitted with essential first aid...
  - 8.3. In addition, first aid equipment must be available in all...
  - 8.4. A sufficient number of workers must be trained in the...
- 9. Traffic routes

## PART C

### Special minimum requirements applicable to the off-shore sector

- 1. Preliminary remark
  - 1.1. Without prejudice to Article 3 (2), the employer who, in...
  - 1.2. The employer shall observe the procedures and arrangements laid down...
  - 1.3. Different employers who are responsible for different workplaces shall cooperate,...
- 2. Fire detection and fire fighting
  - 2.1. Appropriate precautions, as identified by the safety and health document...
  - 2.2. Adequate fire detection and protection systems, fire-fighting systems and alarms...
  - 2.3. Non-automatic fire-fighting equipment must be easily accessible, simple to use...
  - 2.4. A fire protection plan detailing the precautions to protect against,...
  - 2.5. Emergency systems must be segregated or otherwise afforded protection from...
  - 2.6. The equipment must be indicated by signs in accordance with...
- 3. Remote control in emergencies
  - 3.1. Where required by the safety and health document referred to...
  - 3.2. Equipment capable of remote control as referred to in point...
- 4. Communication: general and emergency
  - 4.1. Where required by the safety and health document referred to...
  - 4.2. Such system must be capable of remaining operational in the...
  - 4.3. Facilities for raising the alarm must be installed at suitable...
  - 4.4. When workers are present at workplaces which are not normally...
- 5. Safe assembly points and muster list
  - 5.1. Adequate measures must be taken to protect evacuation points and...
  - 5.2. Where required by the safety and health document referred to...
  - 5.3. Safe assembly points and evacuation points must be readily accessible...
  - 5.4. For each individual safe assembly point, a list containing the...
  - 5.5. A list of persons assigned special duties in the event...
- 6. Means of evacuation and escape
  - 6.1. Workers must be trained in the appropriate actions to be...
  - 6.2. Workers must be given suitable training in survival techniques, taking...
  - 6.3. Suitable and sufficient means of evacuation in an emergency and...
  - 6.4. An emergency plan for sea rescue and workplace evacuation situations...
  - 6.5. The minimum requirement for every survival craft (lifeboat), life-raft, life-buoy...

- 6.6. Adequate life-saving appliances must be available for immediate use.
7. Safety drills
8. Sanitary equipment
  - 8.1. Changing rooms and lockers
    - 8.1.1. Appropriate changing rooms must be provided for workers if they...
    - 8.1.2. Changing rooms must be sufficiently large and have facilities to...
    - 8.1.3. Provision must be made for separate changing rooms or separate...
    - 8.1.4. If changing rooms are not required under point 8.1.1, each...
  - 8.2. Showers and washing facilities
  - 8.3. Lavatories and washbasins
9. First-aid rooms and equipment
  - 9.1. One or more first-aid rooms must be provided according to...
  - 9.2. The first-aid rooms must have suitable equipment, facilities and medicines...
  - 9.3. In addition, first-aid equipment must be available in all places...
10. Accommodation
  - 10.1. If the nature, scale and duration of operations so require,...
  - 10.2. Such accommodation must contain sufficient beds or bunks for the...
  - 10.3. Such accommodation must include a sufficient number of showers and...
  - 10.4. The accommodation must be equipped with a sufficient number of...
  - 10.5. The accommodation and its equipment must be maintained to adequate...
11. Helicopter operations
  - 11.1. Helicopter decks at workplaces must be of sufficient size and...
  - 11.2. There should be provided, and stored in the immediate vicinity...
  - 11.3. On installations with a resident workforce, a sufficient number of...
12. Positioning of installations at sea — safety and stability
  - 12.1. All the necessary measures must be taken to ensure the...
  - 12.2. Operations in preparation for the positioning of off-shore installations must...
  - 12.3. Equipment used and procedures followed for the activities referred to...

- (1) OJ No C 32, 7.2.1991, p. 7.
- (2) OJ No C 280, 28.10.1991, p. 79; and OJ No C 241, 21.9.1992, p. 88.
- (3) OJ No C 191, 22.7.1991, p. 34.
- (4) OJ No L 393, 30.12.1989, p. 1.
- (5) OJ No L 183, 29.6.1989, p. 1.