

FOR 2003-12-19 No. 1595: Temporary regulations relating to safety and working environment for certain petroleum facilities on land and associated pipeline systems

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Temporary regulations relating to safety and working environment for certain petroleum facilities on land and associated pipeline systems

Legal basis: Stipulated by resolution of the Crown Prince Regent on 19 December 2003, with basis in the Act of 14 June 2002 No. 20 relating to the prevention of fire, explosion and accidents involving hazardous substances and the fire service (the Fire and Explosion Prevention Act) - Sections 5, 6, 8, 20, 21, 22, 23, 24, 25, 28 and 43; the Act of 29 November 1996 No. 72 relating to the petroleum activities - Section 10-18; the Act of 4 February 1977 No. 4 relating to worker protection and working environment, etc. - Sections 2, 7, 8, 9, 11, 12, 14, 15, 16a, 19, 21, 24, 26, 74 and 82; the Act of 11 June 1976 No. 79 relating to the control of products and consumer services (the Product Control Act) - Section 4; the Act of 24 May 1929 No. 4 relating to the supervision of electrical installations and electrical equipment - Sections 2, 10 and 12. Put forth by the Ministry of Labour and Government Administration.

Amendments: Amended by the Regulations of 19 December 2003 No. 1874, 18 May 2004 No. 754, 1 April 2005 No. 278, 28 April 2005 No. 404, 23 December 2005 No. 1700, 24 February 2006 No. 249, 3 March 2006 No. 394, 16 June 2006 No. 645, 18 August 2006 No. 983, 20 December 2007 No. 1702.

0 Amended by Regulations of 16 June 2006 No. 645 (effective 1 July 2006)

Chapter 1. Introductory provisions

Section 1 *Scope*¹

These Regulations relate to safety and working environment at the petroleum facilities at Kårstø, Sture, Kollsnes, Mongstad, Tjeldbergodden, Melkøya, Slagentangen and associated pipeline systems in areas subject to the

- a) Act of 14 June 2002 No. 20 relating to the prevention of fire, explosion and accidents involving hazardous substances and the fire service (the Fire and Explosion Prevention Act),
- b) Act of 24 May 1929 No. 4 relating to the supervision of electrical installations and electrical equipment (the Supervision Act),
- c) Act of 17 June 2005 No. 62 relating to working environment, working hours and employment protection, etc. (the Working Environment Act),
- d) Act of 29 November 1996 No. 72 relating to the petroleum activities (the Petroleum Act),

¹ The scope was expanded by the Regulations of 19 December 2003 No. 1874 and 3 March 2006 No. 394.

e) Act of 11 June 1976 No. 79 relating to the control of products and consumer services (the Product Control Act) as regards Regulations as specified in the Appendices.

As regards pipeline systems, these Regulations apply from the point at which a pipeline system first crosses the shore slope to the mainland or island and on to the petroleum facility on land. As regards pipeline systems in the sea in these Regulations' area of application, the shelf regulations shall apply.

The Ministry can decide that all or parts of these Regulations shall apply to any future integrated shelf/land facilities, or other facilities of such a type, cf. first paragraph of this section, with associated pipeline systems.

These Regulations do not apply to Svalbard.

Section 2 *Purpose*

The purpose of these Regulations is to

- a) promote high standards for safety and working environment
- b) achieve systematic implementation of measures to fulfil the requirements and achieve the objectives laid down in working environment and safety legislation,
- c) further develop and improve safety and working environment standards

Section 3 *Definitions*

The following definitions shall apply for the purpose of these Regulations:

- a) safety and working environment legislation
 The statutory basis and decisions made under and in pursuance of these statutes under the scope of these Regulations, cf. Section 1 on scope,
- b) land regulations
 Safety and working environment regulations for land-based activities laid down in pursuance of the Fire and Explosion Prevention Act, the Supervision Act, the Working Environment Act and the Product Control Act.
- c) pipeline system
 Pipelines for transport of petroleum and other media with associated safety systems, valves, launchers, corrosion protection systems and other equipment,

d) shelf regulations

Health, safety and environment legislation for petroleum activities as defined in the Regulations of 31 August 2001 No. 1016 relating to health, safety and environment in the petroleum activities (the Framework Regulations), Section 4 on definitions as regards the Petroleum Act and the Working Environment Act and provisions laid down in pursuance of these acts.

Chapter II. Who the Regulations target and employee contribution requirements

Section 4 *Who the Regulations target*

A party that owns or operates petroleum facilities or associated pipeline systems as defined in Section 3 on definitions of these Regulations, and others who participate in activities covered under the scope of these Regulations, are responsible under these Regulations. The responsible party must ensure compliance with requirements laid down in the safety and working environment legislation.

A party that owns or operates petroleum facilities or pipeline systems as mentioned in the first paragraph, shall ensure that all parties that perform work on its behalf, either in person, through the use of employees, contractors or sub-contractors, comply with all requirements laid down in the safety and working environment legislation.

Section 5 *Arrangement of employee contribution*

Responsible parties shall ensure that the employees and their elected representatives are given an opportunity to contribute in matters of significance for safety and working environment in the activities pursuant to requirements laid down in and in pursuance of the Working Environment Act and these Regulations. Such contribution shall be safeguarded throughout the various phases of the activities.

In order to promote safety and a good working environment, parties shall ensure that the employees and their elected representatives are given an opportunity to contribute in the establishment, follow-up and further development of management systems.

In the event of administrative decisions made pursuant of these Regulations, the party that is the object of the decision, shall ensure that the employees' elected representatives are informed regarding such a decision.

Chapter III. Principles for safety and working environment

Section 6 *Prudent activities*

The activities must be prudent, both on the basis of an individual and overall evaluation of all factors of significance for planning and executing the activity. Consideration shall also be given to the distinctive character, local conditions and operational assumptions for the respective activities.

High standards for safety and working environment must be established, maintained and further developed.

Section 7 *Risk reduction*

Harm or danger of harm to human beings or to material assets shall be prevented or limited in line with the safety and working environment legislation. Beyond this level, the risk shall also be further reduced to the extent possible. Assessments based on this provision shall be made in all phases of the activities.

To reduce risk, the responsible party shall choose the technical, operational or organisational solutions which, both in an individual and overall evaluation of the injury/damage potential and current and future use, yield the best results, insofar as the costs are not substantially disproportionate to the risk reduction achieved.

If sufficient knowledge is lacking regarding the effects that use of the technical, operational or organisational solutions may have on safety and working environment, solutions shall be selected that reduce this uncertainty.

Factors that may cause harm to life, health or material assets in the activities shall be replaced with factors that, according to an overall evaluation, have less potential for harm. As regards existing activities, the responsible party can use the analyses and assessments that form the basis for the activities at the time these Regulations enter into force.

Section 8 *Competence*

The responsible party shall ensure that everyone who performs work on its behalf in the activities, always possesses the competence to perform the work assigned to them in a prudent manner. The personnel must also be able to handle hazard and accident situations.

Section 9 *Sound safety culture*

The responsible party shall promote a sound safety culture that comprises all areas of activity and that contributes to everyone participating in the activity taking responsibility for safety and working environment, including for systematic development and improvement of safety and working environment.

Chapter IV. Managing the activities**Section 10** *Duty to establish, follow up and further develop management system*

The responsible party shall establish, follow up and further develop a management system to ensure compliance with requirements laid down in the safety and working environment legislation.

The employees shall contribute in the establishment, follow-up and further development of such management systems.

Section 11 *Application of the Management Regulations for petroleum facilities and pipeline systems on land*

The Regulations of 3 September 2001 No. 1099 relating to management in the petroleum activities (the Management Regulations) apply correspondingly in these Regulations' area of application as regards the requirements in the Management Regulations that are based on the Working Environment Act and the Petroleum Act.

The responsible party can use the requirements in the Regulations of 6 December 1996 No. 1127 relating to systematic health, safety and environment work in enterprises (the Internal Control Regulations/HSE Regulations) as a basis for fulfilment of the Management Regulations' requirements regarding management systems.

Section 12 *Application of the Builders' Regulations at construction sites for petroleum facilities and pipeline systems on land*

The Regulations of 21 April 1995 No. 377 relating to health, safety and working environment at construction sites (the Builders' Regulations) apply in these Regulations' area of application with the following exceptions: the Petroleum Safety Authority Norway must

have access to the contents of the pre-notification mentioned in Section 9 of the Builders' Regulations.

Chapter V. Documentation, etc.

Section 13 *Documentation requirements, etc.*

Information necessary to ensure and document that the activities are planned and implemented in a prudent manner, shall be prepared and stored. Such information shall be made available to the Petroleum Safety Authority in Norway free of charge. The responsible party shall stipulate criteria for what constitutes necessary documentation. The scope of the documentation must be adapted to the distinctive character of the activities as well as the specific activity that is carried out.

The responsible party shall ensure that documentation can be provided to demonstrate compliance with requirements stipulated in and in pursuance of these Regulations.

Section 14 *Information available through direct access*

Information that is to be sent to the Petroleum Safety Authority Norway (PSA) upon request, may alternatively be made directly accessible in electronic form, in consultation with the PSA. The scope of information made available through direct access must be restricted in relation to the inquiry.

Section 15 *Plan for development and operation of petroleum deposits (PDO) and Plan for installation and operation of facilities for transport and for exploitation of petroleum (PIO) for petroleum facilities and pipeline systems on land, factors related to safety and working environment under the Petroleum Act and the Working Environment Act*

Section 20 of the Regulations of 31 August 2001 No. 1016 relating to health, safety and the environment in the petroleum activities (the Framework Regulations) relates to these Regulations' area of application for petroleum facilities and pipeline systems on land, insofar as this coincides with the scope of the Petroleum Act, with the exception of Section 20 literas f, g, m, n and o of the Framework Regulations.

In addition to the documentation mentioned in Section 20 of the Framework Regulations, the account in the development part of PDOs and PIOs shall include

- a) a description of the location and land disposal/site plan,
- b) a proposal for a safety zone and evaluation of the need for an area development plan or amendment of an existing area development plan,
- c) information about other permits, consents, etc. applied for pursuant to other existing legislation.

Section 16 *Application for permission to develop new activity (main application)*

A party that wishes to establish petroleum facilities or pipeline systems, or parts thereof, that are not covered under plans required under Section 15 of these Regulations on PDOs and PIOs, shall apply to the Petroleum Safety Authority Norway (PSA) for permission. The application must contain the information required by the PSA.

Section 17 *Decommissioning plan*

The Regulations of 31 August 2001 No. 1016 relating to health, safety and the environment in the petroleum activities (the Framework Regulations) Section 22 on decommissioning plan relates to these Regulations' scope and extent for petroleum facilities and pipeline systems on land, insofar as this coincides with the scope of the Petroleum Act.

Section 18 *Cessation*

When it is determined that the operation of petroleum facilities or pipeline systems on land, or parts thereof, that are not covered by a decommissioning plan shall cease, the responsible party must inform the Petroleum Safety Authority Norway (PSA) well in advance of such cessation. In connection with cessation, the PSA may stipulate conditions to ensure that the cessation is carried out in a responsible manner in terms of safety.

Section 19 *Requirement for consent for petroleum facilities and pipeline systems on land*

A party that owns or operates petroleum facilities or pipeline systems on land, must obtain consent

- a) to commence use of a petroleum facility on land, or parts thereof,
- b) to commence use of the pipeline system,
- c) to carry out major modifications or changes in intended use, or

- d) when use of a petroleum facility or a pipeline system on land is planned to last beyond the lifetime and the assumptions used as a basis for granting permission to develop new activities.

If there is a substantial change in the preconditions for the consents granted pursuant to this section first paragraph, the Petroleum Safety Authority Norway (PSA) may demand that parties that own or operate petroleum facilities or pipeline systems on land, obtain a new consent before the activities are continued.

Section 20 *Contents of the application for consent*

Well in advance of the planned start-up, a party that owns or operates petroleum facilities or pipeline systems on land must submit an application for consent to the Petroleum Safety Authority Norway (PSA). The application must contain

- a) information about which activities it wishes to carry out,
- b) a description of the activities covered by the application, and a progress plan for these activities,
- c) an overview of governing documents for the activities covered by the application,
- d) a description of the management systems for the activities covered by the application,
- e) an overview of exemptions granted pursuant to the safety and working environment legislation,
- f) information concerning agreements signed with contractors and, if applicable, which firm is to be regarded as the main company in connection with these agreements,
- g) a description of the analyses and evaluations made with regard to safety and working environment for the activities and the facilities covered by the application, and the results and measures to be implemented as a consequence of these evaluations,
- h) a description of the results of internal and external follow-up, and a description of planned follow-up of the activities covered by the application,
- i) general drawings of the petroleum facility on land, including pipeline route, and
- j) a statement regarding the application from the employees' elected representatives addressing arrangement of employee contribution.

As regards applications for use of pipeline systems, the application shall also contain the coordinates of the pipeline system.

As regards applications related to modifications, the party that owns or operates petroleum facilities on land, shall provide information on the plan for carrying out simultaneous activities.

Section 21 *Employer's duty of notification*

The employer or the party representing the employer at the work site, shall send written notification to the Petroleum Safety Authority Norway according to the rules that follow from Section 5-2 of the Working Environment Act.

0 Amended by Regulations of 16 June 2006 No. 645 (effective 1 July 2006).

Section 21a *Reporting diving operations*

A party that owns or operates petroleum facilities shall send written notification to the Petroleum Safety Authority Norway regarding all diving operations for which no consent is required pursuant to the Shelf regulations. The notification shall be sent in accordance with the deadline stipulated by the PSA and shall contain information about the site of the diving activity, the players that will participate, the activity to be performed and the schedule for the operation.

0 Added by Regulations of 1 April 2005 No. 278.

Section 22 *Notification of hazard and accident situations to the supervisory authorities*

A party that owns or operates petroleum facilities or pipeline systems on land, shall ensure immediate and coordinated notification by telephone to the Petroleum Safety Authority Norway in the event of hazard and accident situations that have led to, or which under insignificantly altered circumstances could have led to

- a) serious, acute injury, or
- b) serious impairment or failure of safety functions or other barriers, so that the integrity of the petroleum facility or pipeline system is endangered.

This notification must be confirmed in writing.

Section 23 *Information to the public regarding safety measures*

The enterprise shall provide unsolicited information to ensure that persons who might be affected by accidents in connection with petroleum facilities or pipeline systems on land,

receive the necessary information regarding safety measures and appropriate actions in the event an accident occurs.

Section 24 *The Major Accident Regulations*

The Regulations of 17 June 2005 No. 672 relating to measures to prevent and limit the consequences of major accidents in activities involving hazardous chemicals (the Major Accident Regulations) shall apply within the scope of these Regulations.

0 Amended by Regulations of 16 June 2006 No. 645 (effective 1 July 2006).

Chapter VI. Design and outfitting of petroleum facilities and pipeline systems on land

Section 25 *Technical requirements in the land regulations*

The technical requirements for the design of petroleum facilities and pipeline systems on land in the applicable land regulations shall still apply within the scope of these Regulations, as specified in the appendices.

Section 26 *Design of petroleum facilities and pipeline systems on land*

Petroleum facilities and pipeline systems on land shall be based on robust and the simplest possible solutions, and shall be designed such that

- a) they can withstand the design loads and probable combinations of these loads at any given time,
- b) the risk of major accidents is as low as practically possible, cf. Section 7 on risk reduction,
- c) failure of one component, in one system, or one single error does not lead to unacceptable consequences,
- d) material handling and transport can take place in an efficient and prudent manner,
- e) a prudent working environment is facilitated,
- f) operational assumptions and limitations are handled in a prudent manner,
- g) the proper safeguarding of health-related factors is facilitated, and
- h) proper maintenance is facilitated.

Section 27 *Safety functions*

Petroleum facilities and pipeline systems on land shall be equipped with necessary safety functions which can, at any given time,

- a) discover abnormal conditions,
- b) prevent abnormal conditions from developing into hazard and accident situations, and
- c) limit injuries/damage associated with accidents.

Section 28 *Plants, systems and equipment*

Plants, systems and equipment shall be designed in a manner that is robust and as simple as possible, and such that

- a) the possibility of human error is limited,
- b) they or it can be operated, tested and maintained without danger of harm to life, health and material assets and
- c) they or it are/is suitable for use and able to withstand the loads they or it may be subjected to during operation.

Plants, systems and equipment shall be marked so as to facilitate safe operation and proper maintenance.

Section 29 *Chemicals and chemical effects*

Chemicals and technical solutions shall be selected so as to prevent harmful chemical effects for human beings, and shall not entail an unacceptable safety risk.

When selecting, designing and locating equipment and systems for storage, handling, recycling and destruction of chemicals, consideration shall be given to

- a) health and safety of personnel,
- b) corrosion and other forms of decay of materials, and
- c) fire and explosion hazard.

Section 30 *Processing and storage of flammable and explosive goods*

The area in which flammable and explosive goods are processed and stored must be designed such that the consequences of fire and explosion are as minor as possible.

Areas and equipment shall be classified so that high-risk areas are separated from low-risk areas.

Section 31 *Control room*

Control rooms shall be located, designed and equipped so as to ensure prudent safety and working environment, and so as to reduce the danger of errors that have an impact on safety. For petroleum facilities covered under these Regulations, the Regulations of 20 April 1995 No. 385 relating to work in control rooms and the Regulations of 27 February 2004 No. 490 relating to flammable or pressurized substances shall apply.

0 Amended by Regulations of 16 June 2006 No. 645 (effective 1 July 2006).

Chapter VII. Conduct of activities at petroleum facilities and pipeline systems on land

Section 32 *Requirements for conduct of activities in the land regulations*

Requirements for conduct of activities at petroleum facilities and pipeline systems on land in the applicable land regulations shall still apply within the scope of these Regulations, as indicated in the appendix.

Section 33 *Start-up of petroleum facilities and pipeline systems on land*

Commissioning shall be completed before petroleum facilities and pipeline systems on land, or parts thereof, are started up for the first time.

In connection with start-up as mentioned in the first paragraph, and during operation, the following shall also apply:

- a) the management system with associated processes, resources and operations organization shall be established,
- b) governing documents, including technical operations documents and emergency preparedness plans shall be available in an updated version, and operations personnel must be familiar with such documents,

- c) systems must be established for employee contribution, cf. Section 5 of these Regulations on arrangement of employee contribution, and
- d) safety systems shall be function-tested.

Section 34 *Maintenance*

The responsible party shall ensure that petroleum facilities and pipeline systems on land, or parts thereof, are properly maintained so that they are capable of performing their intended functions throughout all phases of the design life.

Section 35 *Training and exercises*

The responsible party shall ensure that necessary training and necessary exercises are conducted so that the personnel are capable at all times of handling operational interruptions and hazard and accident situations in an effective manner.

Section 36 *Procedures*

The responsible party shall set criteria for when procedures shall be utilized as a means to prevent errors and hazard and accident situations.

It must be ensured that procedures are formulated and used in a manner such that they fulfil their intended functions.

Section 37 *Use of petroleum facilities and pipeline systems on land*

Use of petroleum facilities and pipeline systems on land shall be in accordance with requirements stipulated in and in pursuance of the safety and working environment legislation and any additional limitations that follow from fabrication, installation and commissioning. Such use shall at all times be in accordance with the petroleum facility's or the pipeline system's technical condition and the preconditions for use laid down in the risk analyses.

When setting limitations for activity levels at petroleum facilities and pipeline systems on land, consideration shall also be given to the status of maintenance performed.

Section 38 *Safety systems*

There must be an advance determination of which measures and limitations are required in the event of overriding or disconnection of safety systems or parts of safety systems, or when the systems are impaired in some other manner.

The status of all overrides, disconnections and other impairments shall be known at all times.

Section 39 *Critical activities*

Critical activities must be performed within the operational limitations assumed during the design and engineering phases and in the risk analyses.

Section 40 *Work in and operation of electrical installations*

In connection with work on live equipment, near live installations, or in or near earthed and short-circuited installations, and in connection with operation of low and high voltage installations, necessary measures shall be implemented so that the personnel performing such work, are not injured, and such that the likelihood of hazard and accident situations is reduced.

Section 41 *Simultaneous activities*

Necessary measures must be implemented when conducting simultaneous activities that contribute to an unacceptable increase in risk.

The responsible party shall define which activities that, in combination with other activities, shall be considered to be simultaneous activities.

Section 42 *Planning*

When planning activities on the respective petroleum facility or pipeline system on land, the responsible party shall ensure that important risk-contributing factors are kept under control, both individually and collectively.

The planning must take into consideration the status of important contributors to risk.

Section 43 *Actions during conduct of activities*

Planned activities shall be cleared for safety before they are conducted. The safety clearance shall indicate which conditions must be fulfilled, including which actions shall be taken before, during and after the work so that those who participate in or may be affected by the activity are not harmed, and such that the likelihood of errors that could lead to hazard and accident situations, is reduced.

Section 44 *Monitoring and control*

The responsible party shall ensure that factors of significance for prudent conduct of the activities in terms of health and safety are monitored and kept under control at all times.

Measures shall be in place to facilitate that personnel with control and monitoring functions can efficiently obtain and process information about such factors at all times.

Section 45 *Transfer of information*

In connection with shift and crew changes, the responsible party shall ensure the necessary transfer of information about the status of safety systems and ongoing work, as well as other information of significance for safety and working environment in connection with conduct of activities.

Section 46 *Arrangement of work*

The employer shall ensure that the work is arranged such that hazardous exposure and unfortunate physical or mental burdens for the individual employee are avoided, and such that the likelihood of errors that may lead to hazard and accident situations is reduced. This arrangement shall be accomplished on the basis of an individual and collective evaluation of acute and long-term effects of the various working environment factors.

Section 47 *Emergency preparedness*

A party that operates petroleum facilities or pipeline systems on land shall at all times maintain effective emergency preparedness with a view towards handling hazard and accident situations. Necessary measures shall be implemented to prevent or reduce harmful effects. The emergency preparedness shall be coordinated and suitable for coordination with public emergency response resources. The emergency response organization must be robust so that hazard and accident situations can be handled in an effective manner.

The responsible party shall prepare plans for emergency preparedness and fighting leaks, fires, explosions and other mishaps or accidents that may occur at a petroleum facility or pipeline system on land. Such plans shall provide a description of the emergency preparedness at any given time, and contain action plans for the defined hazard and accident situations. The plans shall describe who is to lead and coordinate the efforts of the emergency response resources in connection with hazard and accident situations.

In the event of hazard and accident situations as mentioned in the first paragraph, the Ministry may determine that others shall make necessary emergency response resources available for the owners' account, and the Ministry may also implement measures, for the owners' account, to obtain the necessary additional resources in some other manner.

Chapter VIII. Final provisions

Section 48 *Supervisory authority*

The Petroleum Safety Authority Norway or its authorized agent shall carry out supervision to ensure compliance with the requirements set forth in or in pursuance of the safety and working environment legislation.

Section 49 *Refunding of supervision expenses*

The Regulations of 27 June 1997 No. 652 relating to refunding of expenses in connection with regulatory supervision of safety, working environment and resource management in the petroleum activities apply within the scope of these Regulations, with the exception of Section 3 on supervision of resource management.

Section 50 *Regulations*

Within the scope of these Regulations, the Petroleum Safety Authority Norway may issue the regulations that are necessary to implement these Regulations and determine that regulations specified in the appendices shall be amended or discontinued within the scope of these Regulations.

Section 51 *Administrative decisions*

The Petroleum Safety Authority Norway may make the administrative decisions necessary to implement the provisions of these Regulations, including regulations specified in the appendices.

Section 52 *Exemptions*

The Petroleum Safety Authority Norway may grant exemptions from the provisions of these Regulations, including provisions in regulations specified in the appendices, when special circumstances so indicate.

If the exemption could have an impact on safety and working environment, a statement from the employees' elected representatives about the application shall be appended to the application for exemption.

Section 53 Means of reaction

Provisions relating to punishment and other means of reaction which follow from the safety and working environment legislation, apply to breaches of the provisions of these Regulations, including provisions in regulations specified in the appendices.

Chapter IX. Entry into force

Section 54 *Entry into force, etc.*

1. These Regulations shall enter into force on 1 January 2004.
2. When these Regulations become effective, the following regulations will be discontinued within the scope of these Regulations, so that they do not apply to petroleum facilities and pipeline systems as defined in Section 3 of these Regulations on definitions.
 - a) Regulations of 18 December 1998 No. 1206 relating to fees for processing building applications pursuant to Section 19 of the Working Environment Act,
 - b) Regulations of 12 January 1978 No. 9432 relating to compressed air facilities.
3. When these Regulations become effective, the regulations specified in the appendices to these Regulations shall apply within the scope of these Regulations, with the adaptations that follow from the appendix.

4. Permits granted pursuant to the land regulations before these Regulations enter into force shall still apply.

IX-II Appendices - Land regulations that shall apply within the scope of these Regulations with the following adaptations, cf. Section 25, Section 32 and Section 54 No. 3 of these Regulations:

- A. Regulations specified in this appendix apply with the adaptations stated below.

Within the scope of these Regulations, the Petroleum Safety Authority Norway is the supervisory authority pursuant to the regulations listed in this appendix.

- B. *Land regulations stipulated pursuant to the Act relating to the prevention of fire, explosion and accidents involving hazardous substances and the fire service and the Supervision Act*

- I. *Prevention of fire and explosion (see also Item D)*

1. Regulations of 27 February 2004 No. 490 relating to flammable or pressurized substances with the exception of Section 11 on documentation, Section 12 on application and report, first and fourth paragraphs, Section 23 on notification and accident reporting,
2. Regulations of 26 June 2002 No. 922 relating to handling of explosive substances with amendments, most recently 15 December 2005,
3. Regulations of 26 June 2002 No. 847 relating to fire prevention measures and supervision,
4. Regulations of 26 June 2002 No. 744 relating to flammable goods with the exception of Section 2-7 on permission for pipeline transport, Section 2-8 on permission for treating and racking, Section 2-9 on application - documentation requirements,
5. Regulations of 9 May 2000 No. 421 relating to facilities supplying motor fuel,
6. Regulations of 10 February 1999 No. 206 relating to reduction of emissions of petrol vapour from storage and distribution of petrol with amendments, most recently 20 February 2004,
7. Regulations of 9 June 1999 No. 721 relating to pressurized equipment (FTPU),
8. Regulations of 1 March 1996 No. 229 relating to aerosol containers,
9. Regulations of 5 October 1994 No. 919 relating to gas appliances and equipment,
10. Regulations of 7 July 1994 No. 735 relating to simple pressure vessels.

II. *Electrical*

1. Regulations of 28 April 2006 No. 458 relating to safety in connection with work on and operation of electrical installations,
2. Regulations of 20 December 2005 No. 1626 relating to electrical supply installations,
3. Regulations of 22 November 2002 No. 1323 relating to registration of enterprises that design, execute and maintain electrical installations,
4. Regulations of 4 December 2001 No. 1450 relating to maritime electrical installations,
5. Regulations of 20 August 1999 No. 955 relating to use and maintenance of electrical-medical equipment,
6. Regulations of 6 November 1998 No. 1060 relating to electrical low voltage plants (FEL) with amendments, most recently 30 June 2005,
7. Regulations of 10 August 1995 No. 713 relating to electrical equipment (FEU),
8. Regulations of 14 December 1993 No. 1133 relating to qualifications for electrical professionals (FKE) with amendments, most recently 1 March 2005.

III. *Transport*

1. Regulations of 24 February 2004 No. 456 relating to transport of petroleum in pipelines over land, with the exception of Section 6 on applications - documentation requirements, Section 7 on documentation systems, Section 9 on notification and reporting of mishaps, accidents and near-misses, Section 25 on information to the public regarding safety measures,
2. Regulations of 11 November 2002 No. 1264 relating to transport of hazardous goods on roadways and railways with amendments, most recently 15 October 2004,
3. Regulations of 26 June 2001 No. 792 relating to transportable pressure equipment for hazardous goods.

C. *Land regulations stipulated pursuant to the Working Environment Act*

I. *Work premises. Ergonomics. Indoor Climate.*

1. Regulations of 20 April 1995 No. 385 relating to work in control rooms,
2. Regulations of 16 February 1995 No. 170 relating to workplaces and work premises,
3. Regulations of 20 January 1995 No. 156 relating to heavy and monotonous work,
4. Regulations of 15 December 1994 No. 1259 relating to work at computer screens.

II. *Mining and quarrying. Building and construction*

1. Regulations of 30 June 2005 No. 794 relating to safety, health and working environment in connection with mining and quarrying,
2. Regulations of 21 April 1995 No. 377 relating to safety, health and working environment at building and construction sites, (the Builders Regulations) with amendments, most recently 7 October 2005²
3. Regulations of 14 April 1989 No. 335 relating to scaffolding, ladders and work on roofs, etc., with amendments, most recently 13 September 2004 No. 1311,
4. Regulations of 19 November 1985 No. 2105 relating to excavation and shoring up ditches,
5. Regulations of 10 January 1986 No. 17 relating to the Working Environment Act's application for work in one-man companies within building and construction activities,
6. Regulations of 25 May 1977 No. 2 relating to the Norwegian Labour Inspection Authority's consent in connection with erecting buildings, modifications to buildings, reorganisation, etc.

III. *Fire hazard. Chemical health hazard. Biological health hazard (see also Item D II)*

1. Regulations of 26 April 2005 No. 362 relating to asbestos with the exception of Section 11 on reports,
2. Regulations of 25 January 2005 No. 47 relating to soluble chromium VI in cement,
3. Regulations of 30 April 2001 No. 443 relating to protection against exposure to chemicals at the workplace (the Chemical Regulations) with amendments, most recently 26 April 2005,
4. Regulations of 14 April 2000 No. 412 relating to build-up and use of records for hazardous substances in enterprises (the Substance Records Regulations) with amendments, most recently 29 June 2005,
5. Regulations of 26 February 1998 No. 179 relating to welding, thermal cutting, thermal spraying, carbon arc chiselling, soldering and grinding (hot work),
6. Regulations of 25 August 1995 No. 768 relating to reproductive injuries and working environment,
7. Regulations of 19 December 1997 No. 1323 relating to preparation and distribution of health, environment and safety data sheets for hazardous chemicals with amendments, most recently 20 February 2004,

² Amendments to the Builders Regulations, new Section 10 and Section 16 new litera c enter into force in the Petroleum Safety Authority Norway's jurisdiction at the same time as they enter into force in the Norwegian Labour Inspection Authority's jurisdiction, cf. Regulations of 9 December 2005, No. 1432 relating to amendments to the regulations relating to safety, health and working environment at building and construction sites (the Builders Regulations).

8. Regulations of 19 December 1997 No. 1322 relating to protection of workers against biological hazards,
9. Regulations of 21 June 1990 No. 665 relating to cyanides,
10. Regulations of 14 June 1985 No. 1410 relating to work in tanks,
11. Regulations of 14 June 1985 No. 1157 relating to work with ionising radiation with amendments, most recently 1 March 2004.

IV. *Technical installations. Tools*

1. Regulations of 26 April 2006 No. 456 relating to protection against noise at the workplace,
2. Regulations of 6 July 2005 No. 804 relating to protection against mechanical vibrations,
3. Regulations of 26 June 1998 No. 608 relating to use of work equipment with amendments, most recently 13 September 2004 No. 1291, with the exception of Chapter VIII on safety training and Chapter IX on expert control of work equipment,
4. Regulations of 25 August 1986 No. 1792 relating to bolt guns and accessories,
5. Regulations of 10 September 1982 No. 1377 relating to technical installations,
6. Regulations of 20 April 1977 No. 9193 relating to tractors with amendments, most recently 29 June 2005.

V. *Safety delegate service. Safety and health personnel.*

1. Regulations of 19 September 1997 No. 1018 relating to regional safety delegate for building and construction activities,
2. Regulations of 29 April 1977 No.7 relating to safety delegate and working environment committee,
3. Regulations of 21 April 1994 No. 333 relating to safety and health personnel,
4. Regulations of 8 June 1989 No. 914 relating to which enterprises must have associated safety and health personnel (company health service),
5. Regulations of 11 April 1986 No. 870 relating to local safety delegate and working environment committees for unloading and loading work.

VI. *Personal safety equipment. Safety appliances.*

1. Regulations of 6 October 1994 No. 972 relating to safety labelling and signalling at the workplace,

2. Regulations of 24 May 1993 No. 1425 relating to use of personal safety gear at the workplace,
3. Regulations of 15 November 1983 No. 1674 relating to control, marking and filling of compressed air bottles for diving and respiratory protection,
4. Regulations of 4 April 1973 No. 1 relating to installation of a new CO₂ facility.

VII. *Other regulations*

1. Regulations of 5 July 2002 No. 715 relating to work to be done in the employee's home,
2. Regulations of 17 September 1998 No. 982 relating to health and safety in connection with drilling-related extraction industry for the land-based sector,
3. Regulations of 30 April 1998 No. 551 relating to work by children and young people,
4. Regulations of 10 November 1994 No. 1053 relating to harbour work,
5. Regulations of 13 February 1992 No. 1263 relating to high-pressure jet water washing, etc.
6. Regulations of 30 November 1990 No. 944 relating to diving with amendments, most recently 23 June 2006.

D. *Land regulations - issued pursuant to the Fire and Explosion Prevention Act, the Supervision Act and the Working Environment Act*

I. *Management and documentation*

1. Regulations of 17 June 2005 No. 672 relating to measures to prevent and limit the consequences of major accidents in activities involving hazardous chemicals (the Major Accident Regulations),
2. Regulations of 6 December 1996 No. 1127 relating to systematic, health, environment and safety work in enterprises (the Internal Control Regulations/the HSE Regulations) with amendments, most recently 28 January 2005.

II. *The Chemical Regulations (see also Item C III)*

1. Regulations of 16 July 2002 No. 1139 relating to classification, labelling, etc. of hazardous chemicals with amendments, most recently 1 July 2005, with appendices:
Appendix I: Criteria for classifying hazardous chemicals,
Appendix II: Criteria for choosing safety phrases,

Appendix III: Hazard codes, hazard symbols and hazard designations as well as warning phrases to be used when marking hazardous chemicals,

Appendix IV: Requirements for marking hazardous chemicals,

Appendix VI: List of hazardous substances (the Substances List),

2. Regulations of 14 April 2000 No. 412 relating to build-up and use of records for hazardous substances in enterprises (the Substance Records Regulations) with amendments, most recently 29 June 2005,
3. Regulations of 19 December 1997 No. 1323 relating to preparation and distribution of health, environment and safety data sheets for hazardous chemicals with amendments, most recently 20 February 2004.

III. *Other regulations for the product area*

1. Regulations of 9 December 1996 No. 1242 relating to equipment and safety systems for use in areas with explosion hazard (ATEX)
2. Regulations of 19 August 1994 No. 820 relating to machines with amendments, most recently 5 July 2006,
3. Regulations of 19 August 1994 No. 819 relating to construction, design and production of personal safety gear (PVU) with amendments, most recently 20 February 2004.

IV. *Other regulations*

1. Regulations of 30 June 2003 No. 911 relating to health and safety in explosive atmospheres.

E. *Land regulations - stipulated pursuant to the Product Control Act (see also Item B I)*

1. Regulations of 16 April 1999 No. 525 relating to ignitability of mattresses and upholstered furniture,
2. Regulations of 13 February 1984 No. 427 relating to prohibition against very flammable textiles.

0 Amended by Regulations of 18 May 2004 No. 754, 28 May 2005 No. 404, 23 December 2005 No. 1700 (effective 1 January 2006), 24 February 2006 No. 249 (inter alia chapter headings), 18 August 2006 No. 983, 20 December 2007 No. 1702 (effective 1 January 2008).