***Petroleum and Geothermal Energy Resources Act 1967*
Petroleum and Geothermal Energy Resources (Management of Safety) Regulations 2010**

**Concordance Table for Management of Safety – Safety Management System**

NOTE: this table may also be used as a self-assessment tool by licensees and operators to verify that their safety management system document has addressed all the required elements of the Regulations.

| Regulation | Guidesection | Topic | SMS / Page no. |
| --- | --- | --- | --- |
| Intro | FD | SMS | FSA |
| r. 5r. 6  | 3.1.1 | Scope and objective of SMS |  |  |  |  |
| r. 7r. 8  | 3.3.3 | Compliance with safety management system |  |  |  |  |
| r. 9 | 3.3.12 | Maintaining records for safety management system |  |  |  |  |
| 3.1 | Introduction |  |  |  |  |
| 3.1.3 | Definitions and abbreviations |  |  |  |  |
| r. 10(a) | 3.2.1 | General overview of the petroleum or geothermal energy operations, location  |  |  |  |  |
| r. 10(a) | 3.2.1, 3.2.2 | Configuration and layout of the petroleum or geothermal energy operations and aboveground facilities |  |  |  |  |
| r. 10(b) | 3.3.6 | Workforce involvement and communications |  |  |  |  |
| 3.3.25 | Workplace environment |
| 3.3.26 | Health monitoring systems |
| r. 10(c) | 3.2.3 | Design safety philosophy, control systems and safety critical elements |  |  |  |  |
| r. 10(d) | 3.3.3 | Compliance |  |  |  |  |
| r. 10(e)r. 13 | 3.3.29 | Review and continual improvement |  |  |  |  |
| r. 11 (a)-(c) | Risk assessment for major accident events |  |  |  |  |
| 3.4.1 | Purpose |  |  |  |  |
| 3.4.2 | Scope |  |  |  |  |
| 3.4.3 | Objective |  |  |  |  |
| 3.4.4 | Methodology |  |  |  |  |
| 3.4.6 | Hazard identification – major accident events |  |  |  |  |
| 3.4.7 | Safety critical elements and bowtie diagrams |  |  |  |  |
| 3.4.8 | Demonstration of ALARP |  |  |  |  |
| 3.4.9 | Summary of risk assessment studies |  |  |  |  |
| r. 12 | 3.3.1 | SMS general requirements |  |  |  |  |
| r. 12(a)-(b) | 3.3.9 | Hazard identification and risk management |  |  |  |  |
| r. 12(c) | 3.2.5,3.3.9,3.3.22 | Risk reduction to ALARPPerformance standards for major accident events and safety critical elements |  |  |  |  |
| r. 12(d) | 3.3.19, 3.3.20 | Inspection, testing and maintenance – including requirements for safety critical elements  |  |  |  |  |
| r. 12(e) | Provision of adequate communications |  |  |  |  |
| 3.3.6 | Normal communication requirements |
| 3.3.27 | Emergency communication requirements |  |  |  |  |
| r. 12(f) | 3.3.28 | Safety management system audits |  |  |  |  |
| r. 12(g) | Other relevant areas for SMS |  |  |  |  |
| 3.2.5 | Major accident events controls and performance standards |  |  |  |  |
| 3.2.6 | Provision of drawings |  |  |  |  |
| 3.3.2 | Policy and leadership |  |  |  |  |
| 3.3.4 | Management system overview |  |  |  |  |
| 3.3.8 | Resources |  |  |  |  |
| 3.3.11 | Sources of information |  |  |  |  |
| 3.3.13 | Design construction and commissioning |  |  |  |  |
| 3.3.15 | Management of change |  |  |  |  |
| 3.3.16 | Purchasing and control of materials and services |  |  |  |  |
| 3.3.18 | Materials handling and storage |  |  |  |  |
| r. 13 | 3.3.29 | Implementation and improvement of the safety management system |  |  |  |  |
| r. 14 | 3.1.2 | Standards to be applied |  |  |  |  |
| r. 15 | 3.3.5,3.3.27 | Chain of responsibility |  |  |  |  |
| r. 16 | 3.3.7 | Competency of members of the workforce |  |  |  |  |
| r. 17 | 3.3.17 | Permit to work system and other safe work procedures |  |  |  |  |
| r. 18 | 3.3.6 | Involvement of members of the Workforce |  |  |  |  |
| r. 19 | 3.3.21 | Structural integrity, Integrity management |  |  |  |  |
| r. 20 | 3.3.26 | Drugs and intoxicants (including prescription medication) |  |  |  |  |
| r. 21 | 3.3.13 | Drilling |  |  |  |  |
| r. 22 | 3.2.4 | Petroleum wells – safeguards |  |  |  |  |
| r. 23 | 3.2.43.3.27 | Emergency communications |  |  |  |  |
| r. 24 | 3.3.27 | Emergency control systems including Fire and explosion risk analysis |  |  |  |  |
| r. 25 | 3.3.27 | Emergency preparedness and response plan |  |  |  |  |
| r. 26 | 3.1.4, |3.3.12 | Arrangements for records – includes document control requirements |  |  |  |  |
| r. 32 | 3.1.5 | Revision of SMS due to change in circumstances of operation |  |  |  |  |
| r. 33 | 3.1.5 | Revision on Minister’s request |  |  |  |  |
| r. 34 | 3.1.5 | Revision after five years |  |  |  |  |
| r. 41 | 3.3.14 | Validation |  |  |  |  |
| r. 42 | 3.3.23 | Accidents and dangerous occurrences |  |  |  |  |
| r. 44 r. 45 | 3.3.23 | Notices and reporting of accidents and dangerous occurrences |  |  |  |  |
| r. 47 | 3.1.4 | Details in application or submission – contact details to be kept up to date |  |  |  |  |
| The Act Schedule 1 Division 2 Subdivision 1  |
| cl. 7(1) | 3.3.9, 3.3.24 | Operator to ensure petroleum or geothermal energy operation safe and without risk to the health of any persons engaged in the petroleum or geothermal energy operation or other protected persons |  |  |  |  |
| cl. 7(2)(a)-(b) | 3.3.9, 3.3.24 | Operator to ensure physical environment at the place where petroleum or geothermal energy operation is carried out is safe and provide adequate amenities for workforce |  |  |  |  |
| cl. 7(2)(c) | 3.3.9, 3.3.17 | Operator to ensure any plant, equipment, materials and substances for use in the petroleum or geothermal energy operation are safe and without risk to health |  |  |  |  |
| cl. 7(2)(d) | 3.3.17 | Operator must implement and maintain systems of work in relation to the petroleum or geothermal energy operation that are safe and without risk to health |  |  |  |  |
| cl. 7(2)(e) | 3.3.27 | Operator to implement procedures for control and response to emergencies |  |  |  |  |
| cl. 7(2)(f) | 3.3.7 | Operator to provide workforce with appropriate information, training and supervision to safely perform activities  |  |  |  |  |
| cl. 7(2)(g) | 3.3.25 | Operator to monitor OSH of all members of workforce and maintain records of that monitoring |  |  |  |  |
| cl. 7(2)(h) | 3.3.25 | Operator to provide medical and first aid services at the facility |  |  |  |  |
| cl. 8(1) | 3.3.9, 3.3.24 | Person who is in control of any part of a petroleum or geothermal energy operation must take all reasonably practicable steps to ensure that that part of the petroleum or geothermal energy operation is carried out in a manner that is safe and without risk to health of persons engaged in the operation or other protected persons |  |  |  |  |
| cl. 8(2)(a) | 3.3.9, 3.3.24 | Person who is in control of any part of a petroleum or geothermal energy operation must ensure physical environment at the place where that part of the petroleum or geothermal energy operation is carried out is safe and provide adequate amenities for workforce |  |  |  |  |
| cl. 8(2)(b) | 3.3.9, 3.3.17,3.3.18 | Person who is in control of any part of a petroleum or geothermal energy operation must ensure any plant, equipment, materials and substances for use in that part of the petroleum or geothermal energy operation are safe and without risk to health |  |  |  |  |
| cl. 8(2)(c) | 3.3.17 | Person who is in control of any part of a petroleum or geothermal energy operation must implement and maintain systems of work in relation to that part of the petroleum or geothermal energy operation are safe and without risk to health |  |  |  |  |
| cl. 8(2)(d) | 3.3.27 | Person who is in control of any part of a petroleum or geothermal energy operation must ensure means of access to and egress from the place where that part of the pipeline operation is carried out is safe and without risk to health |  |  |  |  |
| cl. 8(2)(e) | 3.3.7 | Person who is in control of any part of a petroleum or geothermal energy operation must provide workforce with appropriate information, training and supervision to safely perform activities  |  |  |  |  |
| cl. 9(1) | 3.3.9, 3.3.24 | Employer to take all reasonably practical steps to protect the safety and health of employees at facility |  |  |  |  |
| cl. 9(2)(a) | 3.3.9, 3.3.24 | Employer must ensure physical environment is safe for employees and without risk to their health |  |  |  |  |
| cl. 9(2)(b) | 3.3.9, 3.3.17,3.3.18 | Employer must ensure any plant, equipment, materials and substances for use in connection with employee’s work are safe and without risk to health |  |  |  |  |
| cl. 9(2)(c) | 3.3.17 | Employer must implement and maintain systems of work that are safe and without risk to health |  |  |  |  |
| cl. 9(2)(d) | 3.3.27 | Employer must ensure means of access to and egress from the employee’s work location that is safe and without risk to health |  |  |  |  |
| cl. 9(2)(e) | 3.3.7 | Employer must provide employees with appropriate information, training and supervision to safely perform activities  |  |  |  |  |