**LNG.2025.01 - LNG.2025.01**

**Design and Construction - Facility Siting**

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**Design and Construction - Facility Layout**

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**Design and Construction - Impoundment, Dikes, and Drainage**

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**Design and Construction - LNG Storage Tanks**

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **25. LNG Storage Tanks - Metal Testing** Does the design process for concrete LNG storage tanks require construction and testing of the metal components in accordance with API 620 (1990), Appendix Q? (DC.TANKS.METALTEST.P) 193.2101(a) (193.2017(a);NFPA 59A (2001), Section 4.3.4.3;API 620 (1990), Appendix Q;193.2101(b);193.2017(b);193.2017(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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**Design and Construction - Structures**

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**Design and Construction - Equipment**

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **1. Equipment and Piping Components MAWP** Do records specify the maximum allowable working pressure (MAWP) for all equipment, and the design pressure for all components and piping? (DC.EQUIP.MAWP.R) 193.2401 (193.2101(a);193.2301;NFPA 59A (2001), Section 2.1.3;193.2101(b))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **44. Protection against Falling Ice** Do field observations verify measures were taken to protect personnel and equipment from falling ice or snow and are constructed according to the design? (DC.EQUIP.ICEFALL.O) 193.2301 (193.2303;NFPA 59A (2001), Section 2.6) | | | | | | | | |  |  |  |  |  |  |  |  | |

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**Design and Construction - Piping Systems**

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**Design and Construction - Welding**

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**Design and Construction - Transfer Systems**

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**Design and Construction - Fire Protection**

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**Design and Construction - Security and Protective Enclosures**

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **1. Enclosure Protection and Construction** Does the design process specify that protective enclosures are to be installed in accordance with 193.2905 requirements? (FS.FG.PROTECTENCLOSE.P) 193.2905(a) (193.2017(a);193.2907(a);193.2017(b);193.2017(c);193.2905(b);193.2905(c);193.2905(d);193.2905(e);193.2907(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **2. Enclosure Protection and Construction** Do records indicate protective enclosures meet the requirements of 193.2905? (FS.FG.PROTECTENCLOSE.R) 193.2905(a) (193.2101(a);193.2301;193.2907(a);193.2101(b);193.2905(b);193.2905(c);193.2905(d);193.2905(e);193.2907(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **3. Enclosure Protection and Construction** Do field observations verify applicable facilities are surrounded by adequate protective enclosures? (FS.FG.PROTECTENCLOSE.O) 193.2905(a) (193.2905(b);193.2905(c);193.2905(d);193.2905(e);193.2907(a);193.2907(b))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **15. Security System Alternate Source of Power** Do field observations verify there is an alternate (back-up) power source for security lighting and security monitoring and warning systems? (FS.FG.ALTPOWER.O) 193.2915 (193.2445(a);193.2445(b))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |

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**Design and Construction - Training and Qualifications**

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**Design and Construction - Time Dependent Threats**

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**Design and Construction - Vaporizers**

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**Design and Construction - ASME LNG Tanks**

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **1. ASME Storage Container - Separation Distances** Does the design process for LNG storage tanks of 70,000 gallons or less reference the spacing requirement in accordance with NFPA 59A (2001), Table 2.2.4.1? (DC.ASMELNGTANK.DISTANCES.P) 193.2401 (193.2017(a);193.2101(a);NFPA 59A (2001), Section 2.2.3.7;NFPA 59A (2001), Section 2.2.4.1;193.2017(b);193.2017(c);193.2101(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **22. ASME Storage Container - Pressure Control** Does the process specify that stationary ASME LNG storage containers include pressure controls that meet the requirements of NFPA 59A (2001)? (DC.ASMELNGTANK.PRESSCONTROL.P) 193.2101(a) (193.2017(a);NFPA 59A (2001) Section 4.7.1(b);NFPA 59A (2001) Section 4.7.2;NFPA 59A (2001) Section 4.7.2.1;NFPA 59A (2001) Section 4.7.2.3;NFPA 59A (2001) Section 4.7.3;NFPA 59A (2001) Section 10.12.4.1;NFPA 59A (2001) Section 10.12.4.2;NFPA 59A (2001) Section 10.12.4.4;193.2017(b);193.2017(c);193.2101(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **30. ASME Storage Container - Pressure Control and Liquid Level Devices** Do field observations confirm that stationary ASME LNG storage containers include pressure control and liquid level devices as required of NFPA 59A (2001)? (DC.ASMELNGTANK.PRESSFILLCONTROL.O) 193.2301 (193.2303) | | | | | | | | |  |  |  |  |  |  |  |  | |

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**CRM, SCADA, and Leak Detection - Control Room Management**

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**Emergency Preparedness and Response - Emergency Response Liquids**

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **5. Coordination of Evacuation Plans** Do emergency procedures require a process for coordinating evacuation plans with local officials? (EP.ERL.EVACUATION.P) 193.2017(a) (193.2509(b)(3)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **9. Emergency Personnel Protective Clothing and Equipment** Does the process require that protective clothing and equipment be provided to personnel performing emergency response duties? (EP.ERL.EMERPERSONPROT.P) 193.2017(a) (193.2509(b)(1);193. 2511(a)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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**Facilities and Storage - Facilities General**

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **4. Flammable Gas, Low Temperature and Fire Detection** Do records indicate that flammable gas and fire detection systems meet the requirements of NFPA 59A (2001), Section 9.3? (FS.FG.FIREDETECT.R) 193.2801 (NFPA 59A, Section 9.3;193.2101(a);193.2301;193.2101(b))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **10. Protective Clothing** Do records demonstrate that protective clothing was available in accordance with NFPA 59A, Sections 9.7.1 and 9.7.2? (FS.FG.PROTCLOTHING.R) 193.2801 (NFPA 59A, Section 9.7) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **12. Entering Confined or Hazardous Space** Do the written practices and procedures for the entry of personnel into confined or hazardous space meet the requirements of NFPA 59A, Section 9.7.3? (FS.FG.CONFINEDSPACE.P) 193.2017(a) (193.2801) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **27. Security System Alternate Source of Power** Does the process require an adequate alternate (back-up) source of power for security lighting, and security monitoring and warning systems? (FS.FG.ALTPOWER.P) 193.2915 (193.2445(a);193.2445(b);193.2017(a);193.2017(b);193.2017(c))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **30. Sources of Power** Are there at least two sources of power for communication, emergency lighting, and firefighting systems? (FS.FG.POWERSOURCES.O) 193.2445(a) (193.2445(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **32. Warning Signs** Do field observations verify warning signs are placed about the protective enclosure such that they can be seen from 100 ft at night? (FS.FG.WARNSIGN.O) 193.2917(a) (193.2907(b))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **33. ESD - Instrumentation Design for Failsafe** Does the design process for emergency shutdown system instrumentation require that the system will proceed to a fail-safe condition in the event of a power or instrument air failure? (FS.FG.ESDFAILSAFE.P) 193.2801 (193.2101(a);193.2301;NFPA 59A (2001), Sections 9.2.3, 9.2.4, and 9.2.5;NFPA 59A (2001), Section 7.5;193.2101(b))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **34. ESD - Instrumentation Design for Failsafe** Do records demonstrate that the emergency shutdown system instrumentation will proceed to a fail-safe condition? (FS.FG.ESDFAILSAFE.R) 193.2801 (193.2101(a);193.2301;NFPA 59A (2001), Section 7.5;NFPA 59A (2001), Section 9.2.3, 9.2.4, and 9.2.5;193.2101(b))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **35. ESD - Instrumentation Design for Failsafe** Do field observations confirm the Emergency Shutdown System instrumentation was installed in accordance with the design specifications? (FS.FG.ESDFAILSAFE.O) 193.2801 (193.2301;193.2303;NFPA 59A (2001), Sections 9.2.3, 9.2.4, and 9.2.5;NFPA 59A (2001), Section 7.5)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |

**Facilities and Storage - Tanks and Storage**

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**Maintenance and Operations - Liquid Pipeline Maintenance**

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **3. Maintenance Procedures** Does the operator have procedures for the maintenance of each component, including any required corrosion control? (MO.LM.MAINTPROCEDURES.P) 193.2017(a) (193.2605(a);193.2605(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **5. Control of Foreign Material and Debris** Does the process require that the facility be free from the presence of foreign material and debris? (MO.LM.FOREIGNMAT.P) 193.2017(a) (193.2607(a);193.2607(b);193.2605(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **10. Maintain Fire Protection Equipment** Has a maintenance program been established for all plant fire protection equipment in accordance with NFPA 59A, Section 9.6? (MO.LM.MAINTAINFIREPROTEQ.P) 193.2017(a) (193.2801;NFA 59A, Section 9.6) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **11. Maintain Fire Protection Equipment** Do records demonstrate an adequate maintenance program for plant fire protection equipment in accordance with NFPA 59A Section 9.6? (MO.LM.MAINTAINFIREPROTEQ.R) 193.2801 (NFPA 59A Section 9.6) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **14. Maintain Access Routes** Does the process require that access routes for movement of fire protection equipment be kept clear? (MO.LM.FIREPROTACCESS.P) 193.2017(a) (193.2605(b);193.2611(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **18. Testing Auxiliary Power Sources** Are monthly or annual tests performed as required by the process? (MO.LM.AUXPOWERTEST.O) 193.2613 | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **19. Isolating and Purging** Does the process require purging of components handling flammable liquids prior to maintenance or, if the component or maintenance activity provides an ignition source, isolation of the component? (MO.LM.ISOPURGE.P) 193.2017(a) (193.2605(b);193.2615(a);193.2615(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **24. Control Systems** Are control systems operating within design limits? (MO.LM.CONTROLSYS.O) 193.2619(a) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **26. Transfer Hoses** Do records show that transfer hoses have been tested once each calendar year and inspected before each use? (MO.LM.TXHOSE.R) 193.2639(a) (193.2621(a);193.2621(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **28. Maintaining Maintenance Records** Are records of each inspection, test and investigation maintained in accordance with 193.2639? (MO.LM.MAINTENANCERECORDS.R) 193.2639(a) | | | | | | | | |  |  |  |  |  |  |  |  | |

**Maintenance and Operations - Liquid Pipeline Operations**

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **1. General Process Review and Update Requirements** Are there adequate requirements for review and update of plant plans and procedures? (MO.LO.PROCESSUPDATE.P) 193.2017(c) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **5. Monitoring Operations - Buildings and Components** Are operating components and buildings monitored for leaks, fire, and malfunctions that could cause a hazardous condition? (MO.LO.MONITOR.O) 193.2507 | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **6. Startup and Shutdown** Does the process require performance testing to demonstrate that components will operate satisfactory in service during startup and shutdown? (MO.LO.STARTUPSHUTDOWN.P) 193.2017(a) (193.2503(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **7. Startup and Shutdown** Do records show that startup and shutdown procedures, including initial testing, were followed? (MO.LO.STARTUPSHUTDOWN.R) 193.2521 (193.2503(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **11. Purging and Inerting** Does the process require that components that could accumulate significant amounts of combustible mixtures be adequately purged? (MO.LO.PURGEINERT.P) 193.2017(a) (193.2503(d);193.2517) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **12. Purging and Inerting** Do records show that components that could accumulate significant amounts of combustible mixture were adequately purged? (MO.LO.PURGEINERT.R) 193.2517 (193.2503(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **13. Purging and Inerting** Is purging of components that can accumulate significant amounts of combustible mixture conducted in accordance with procedures? (MO.LO.PURGEINERT.O) 193.2517 | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **14. Vaporization Design Limits** Does the process require that vaporizers operate within design limits? (MO.LO.VAPORIZATION.P) 193.2017(a) (193.2503(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **16. Liquefaction Design Limits** Does the process require that liquefaction units operate within their design limits? (MO.LO.LIQUEFACTION.P) 193.2017(a) (193.2503(f)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **19. Cooldown of Components** Do records indicate that cooldown of components was maintained within design limits? (MO.LO.COOLDOWN.R) 193.2505(a) (193.2505(b);193.2503(g);193.2101;193.2301)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **31. Maintaining Operating Records** Is there an adequate process for maintaining the records of each inspection, test and investigation required by Part 193? (MO.LO.OPERATINGRECORD.P) 193.2017(a) (193.2521) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **32. Maintaining Operating Records** Are records of each inspection, test and investigation maintained in accordance with 193.2521? (MO.LO.OPERATINGRECORDS.R) 193.2521 | | | | | | | | |  |  |  |  |  |  |  |  | |

**Reporting - Regulatory Reporting (Traditional)**

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**Time-Dependent Threats - External Corrosion - Atmospheric**

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **1. Atmospheric Corrosion** Does the process require that components subject to atmospheric corrosive attack are made of corrosion-resistant materials or are coated/jacketed? (TD.ATM.ATMCORROSION.P) 193.2017(a) (193.2605(b);193.2627(a);193.2627(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **2. Monitoring for Atmospheric Corrosion** Does the process require that each component that is protected from atmospheric corrosion be inspected at intervals not to exceed 3 years? (TD.ATM.ATMCORRMONITOR.P) 193.2017(a) (193.2605(b);193.2635(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **3. Monitoring for Atmospheric Corrosion** Do records show that inspections for atmospheric corrosion were completed at the required intervals? (TD.ATM.ATMCORRMONITOR.R) 193.2639(b) (193.2635(d);193.2639(a)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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**Time-Dependent Threats - External Corrosion - Cathodic Protection**

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **6. Monitoring for External Corrosion** Does the process require that each buried or submerged component be tested for cathodic protection adequacy at least once each calendar year not to exceed 15 months? (TD.CP.EXTCORRMONITOR.P) 193.2017(a) (193.2605(b);193.2635(a)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **7. Monitoring for External Corrosion** Do records show that buried or submerged components cathodic protection adequacy was tested once each calendar year not to exceed 15 months? (TD.CP.EXTCORRMONITOR.R) 193.2639(b) (193.2635(a);193.2639(a)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **10. Rectifiers, Bonds, Diodes and Reverse Current Switches** Do records show adequate electrical checks of rectifiers or other impressed current power source, interference bonds, reverse current switches and diodes and at the required intervals? (TD.CP.CURRENTTEST.R) 193.2369(b) (193.2635(b);193.2635(c);193.2639(a)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **13. Prompt Remedial Action** Do records show that prompt corrective or remedial action was taken whenever corrosion control deficiencies were found? (TD.CP.REMEDIATE.R) 193.2639(b) (193.2637;193.2639(a)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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**Time-Dependent Threats - Internal Corrosion - Preventive Measures**

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **1. Internal Corrosion** Does the process require that components subject to internal corrosive attack be made of corrosion-resistant material or be otherwise protected? (TD.ICP.INTCORR.P) 193.2017(a) (193.2605(b);193.2631(a);193.2631(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **2. Monitoring for Internal Corrosion** Does the process require that internal corrosion monitoring devices be checked at least twice each calendar year, not to exceed 7.5 months? (TD.ICP.INTCORRMONITOR.P) 193.2017(a) (193.2605(b);193.2635(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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**Time-Dependent Threats - Time Dependent Threats: General**

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **1. Corrosion** Does the process require that components that can be adversely affected by corrosion be identified, and protected, or inspected and replaced? (TD.GEN.CORROSION.P) 193.2017(a) (193.2605(b);193.2625(a);193.2625(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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**Training and Qualification - Operator Qualification**

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **1. Qualifications and Training of Operations and Maintenance Personnel** Does the process define the qualifications and training requirements for personnel who operate and maintain components? (TQ.OQ.OMQUAL.P) 193.2707(a) (193.2707(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **3. Qualifications and Training of Operations and Maintenance Personnel** Do individuals conducting operations and maintenance of components demonstrate their capability to perform their assigned functions? (TQ.OQ.OMQUAL.O) 193.2707(a) (193.2707(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **4. Qualifications and Training of Corrosion Control Personnel** Does the process require that corrosion control of cathodic protection systems be carried out by, or under the direction of, personnel qualified by training or experience in corrosion control technology? (TQ.OQ.CORRCONTRPERS.P) 193.2707(c) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **5. Qualifications and Training of Corrosion Control Personnel** Do records demonstrate that personnel who perform corrosion control, or supervise unqualified individuals, are qualified in corrosion control technology? (TQ.OQ.CORRCONTRPERS.R) 193.2719(a) (193.2707(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **16. Retraining of Security Personnel** Do records show that security personnel received refresher training every two years? (TQ.OQ.RETRAINSECURITY.R) 193.2715(b) (193.2719(a)) | | | | | | | | |  |  |  |  |  |  |  |  | |

**Training and Qualification - Training of Personnel**

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **1. Training Fire Protection Personnel** Does the plan require that operations, maintenance, and supervisory personnel receive initial fire protection training that meets the requirements of 193.2717(a)? (TQ.TR.TRAINFIREPROT.P) 193.2017(a) (193.2717(a);193.2717(c);193.2801) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **5. Plant Fire Drills** Do personnel demonstrate adequate fire protection skills during a fire drill? (TQ.TR.FIREDRILLS.O) 193.2717(c) | | | | | | | | |  |  |  |  |  |  |  |  | |

**Section 114 - Section 114 - LNG**

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **2. Scoping - Gas Transportation** Do you transport natural gas as a specific commodity (i.e., not a byproduct or constituent of another substance)? (SRN.114.GASTRANSPORT.S) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **5. Compressors** Do the maintenance and operations procedures for compressors include provisions to minimize fugitive natural gas losses? (114.114.COMPRESSOR.P) 49 U.S.C. 60108(a) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **6. Drivers & Engines** Do maintenance procedures include measures for monitoring and correcting incomplete combustion of natural gas in driver or engine exhausts and taking corrective action if identified? (114.114.DRIVERENGINE.P) 49 U.S.C. 60108(a) | | | | | | | | |  |  |  |  |  |  |  |  | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **7. Leaks & Releases - Identification of Fugitive Emissions** Do procedures provide a methodology for identifying sources of fugitive natural gas emissions in the system? (114.114.LKRLSID.P) 49 U.S.C. 60108(a) | | | | | | | | |  |  |  |  |  |  |  |  | |

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**Generic Questions - Generic Questions**

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Except as required to be disclosed by law, any inspection documentation, including completed protocol forms, summary reports, executive summary reports, and enforcement documentation are for internal use only by federal or state pipeline safety regulators. Some inspection documentation may contain information which the operator considers to be confidential. In addition, supplemental inspection guidance and related documents in the file library are also for internal use only by federal or state pipeline safety regulators (with the exception of documents published in the federal register, such as advisory bulletins). Do not distribute or otherwise disclose such material outside of the state or federal pipeline regulatory organizations. Requests for such information from other government organizations (including, but not limited to, NTSB, GAO, IG, or Congressional Staff) should be referred to PHMSA Headquarters Management.