Reporting - Regulatory Reporting (Traditional)

1. Immediate Reporting: Incidents (detail) *Are procedures in place to immediately report incidents to the National Response Center?* (RPT.RR.IMMEDREPORT.P) (detail)

193.2011 (191.3; 191.5(a); 191.5(b); 191.7(a); 191.7(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Immediate Reporting: Incidents (detail) *Do records indicate immediate reports of incidents were made in accordance with 193.2011?* (RPT.RR.IMMEDREPORT.R) (detail)

193.2011 (191.3; 191.5(a); 191.5(b); 191.7(a); 191.7(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Incident Reports (detail) *Does the process require preparation and filing of an incident report as soon as practicable but no later than 30 days after discovery of a reportable incident?* (RPT.RR.INCIDENTREPORT.P) (detail)

193.2011 (191.15(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Supplemental Incident Reports (detail) *Does the process require preparation and filing of supplemental incident reports?* (RPT.RR.INCIDENTREPORTSUPP.P) (detail)

193.2011 (191.15(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Incident Reports (detail) *Do records indicate reportable incidents were identified and reports were submitted on DOT Form PHMSA 7100.3 within the required timeframe?* (RPT.RR.INCIDENTREPORT.R) (detail)

193.2011 (191.15(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Supplemental Incident Reports (detail) *Do records indicate accurate supplemental incident reports were filed and within the required timeframe?* (RPT.RR.INCIDENTREPORTSUPP.R) (detail)

193.2011 (191.15(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Annual Report Records (detail) *Have complete and accurate Annual Reports been submitted?* (RPT.RR.ANNUALREPORT.R) (detail)

193.2011 (191.17(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. NPMS: Annual Updates (detail) *Do records indicate: NPMS submissions are updated every 12 months if system modifications (excludes distribution lines and gathering lines) occurred, and if no modifications occurred an email to that effect was submitted?* (RPT.RR.NPMSANNUAL.R) (detail)

Pipeline Safety Improvement Act of 2002 (49 USC 60132) (Advisory Bulletin ADB-03-02; Advisory Bulletin ADB-08-07)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

9. National Registry of Pipeline and LNG Operators (OPID) (detail) *Does the process require the obtaining, and appropriate control, of Operator Identification Numbers (OPIDs)?* (RPT.RR.OPID.P) (detail)

193.2011 (191.22(a); 191.22(b); 191.22(c); 191.22(d))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

10. National Registry of Pipeline and LNG Operators (OPID) (detail) *Do records indicate appropriate obtaining and control, of Operator Identification Numbers (OPIDs)?* (RPT.RR.OPID.R) (detail)

193.2011 (191.22(a); 191.22(b); 191.22(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

11. Safety Related Condition Reports (detail) *Does the process require preparation and filing of safety related condition report?* (RPT.RR.SRCR.P) (detail)

193.2011 (191.23(a); 191.23(b); 191.25(a); 191.25(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

12. Safety Related Condition Reports (detail) *Do records indicate safety-related condition reports were filed as required?* (RPT.RR.SRCR.R) (detail)

193.2011 (191.23(a); 191.23(b); 191.25(a); 191.25(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

Maintenance and Operations - Liquid Pipeline Operations

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

193.2017(a) (193.2017(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

2. General Process Review and Update Requirements (detail) *Do records show that plans and procedures have been reviewed and updated as necessary?* (MO.LO.PROCESSUPDATE.R) (detail)

193.2521 (193.2017(c)(2))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

3. Monitoring Operations (detail) *Does the process require the monitoring of operating components and buildings for leaks, fires, and malfunctions that could cause a hazardous condition?* (MO.LO.MONITOR.P) (detail)

193.2017(a) (193.2503(a), 193.2507)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

4. Monitoring Operations (detail) *Do records show that the operator monitored operating components and buildings for leaks, fires, and malfunctions that could cause a hazardous condition?* (MO.LO.MONITOR.R) (detail)

193.2521 (193.2507)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

5. Monitoring Operations (detail) *Are operating components and building monitored for leaks, fire, and malfunctions that could cause a hazardous condition?* (MO.LO.MONITOR.O) (detail)

193.2507	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

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

193.2017(a) (193.2503(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

7. Startup and Shutdown (detail) *Do records show that performance testing was conducted to demonstrate that components operated satisfactorily in service during startup and shutdown?* (MO.LO.STARTUPSHUTDOWN.R) (detail)

193.2521 (193.2503(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

8. Startup and Shutdown (detail) *Is performance testing being conducted to demonstrate that components will operate satisfactorily in service during startup and shutdown?* (MO.LO.STARTUPSHUTDOWN.O) (detail)

193.2503(b)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

9. Abnormal Operating Conditions (detail) *Does the process include provisions for recognizing abnormal operating conditions?* (MO.LO.ABNORMALOPS.P) (detail)

193.2017(a) (193.2503(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

10. Abnormal Operating Conditions (detail) *Do records show personnel responded to indications of abnormal operations as required by the AOC procedures?* (MO.LO.ABNORMALOPS.R) (detail)

193.2521 (193.2503(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

11. Purging and Inerting (detail) *Does the process require that components that could accumulate significant amounts of combustible mixtures be adequately purged?* (MO.LO.PURGEINERT.P) (detail)

193.2017(a) (193.2503(d); 193.2517)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

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

193.2517 (193.2503(d))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

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

193.2517	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

14. Vaporization Design Limits (detail) *Does the process require that vaporizers operate within design limits?* (MO.LO.VAPORIZATION.P) (detail)

193.2017(a) (193.2503(e))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

15. Vaporization Design Limits (detail) *Do records show that vaporizers operated within their design limits?* (MO.LO.VAPORIZATION.R) (detail)

193.2521 (193.2503(e))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

16. Liquefaction Design Limits (detail) *Does the process require that liquefaction units operate within their design limits?* (MO.LO.LIQUEFACTION.P) (detail)

193.2017(a) (193.2503(f))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

17. Liquefaction Design Limits (detail) *Do records show that components operated within their liquefaction design limits?* (MO.LO.LIQUEFACTION.R) (detail)

193.2521 (193.2503(f))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

18. Cooldown of Components (detail) *Does the process require that the thermal stress of components be kept within design limits during cooldown?* (MO.LO.COOLDOWN.P) (detail)

193.2017(a) (193.2503(g); 193.2505(a); 193.2505(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

19. Cooldown of Components (detail) *Do records show that cooldown of components was maintained within design limits?* (MO.LO.COOLDOWN.R) (detail)

193.2521 (193.2505(a); 193.2505(b); 193.2503(g))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

20. Cooldown of Components (detail) *Were leak checks performed on components subject to cryogenic temperatures following stabilization?* (MO.LO.COOLDOWN.O) (detail)

193.2505(b)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

21. Transfer of LNG (detail) *Is the process adequate for the transfer of LNG or other hazardous fluids?* (MO.LO.LNGTRANS.P) (detail)

193.2017(a) (193.2513(a); 193.2513(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

22. Transfer of LNG (detail) *Do records show that LNG transfers were conducted in accordance with requirements?* (MO.LO.LNGTRANS.R) (detail)

193.2521 (193.2513(a)21; 193.2513(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

23. Transfer of LNG (detail) *Were LNG transfers conducted in accordance with the process?* (MO.LO.LNGTRANS.O) (detail)

193.2513(b)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

24. Cargo Transfer Process (detail) *Does the process require the cargo transfer procedures be located at the transfer area and contain the provisions of 193.2513(c)?* (MO.LO.CARGOTRANS.P) (detail)

193.2017(a) (193.2513(a); 193.2513(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

25. Cargo Transfer Process (detail) *Do records show that cargo transfers were conducted in accordance with the process?* (MO.LO.CARGOTRANS.R) (detail)

193.2521 (193.2513(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

26. Cargo Transfer Process (detail) *Were cargo transfers conducted in accordance with the process?* (MO.LO.CARGOTRANS.O) (detail)

193.2513(c)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

27. Investigation of Failures (detail) *Does the process require that failures be investigated?*
(MO.LO.FAILINVESTIGATE.P) (detail)

193.2017(a) (193.2515(a); 193.2515(b); 193.2515(c))	**S a t +**	**S a t**	**Concern**	**Unsat**	**N A**	**N C**
Notes						

28. Investigation of Failures (detail) *Do records show that the operator adequately investigated failures?*
(MO.LO.FAILINVESTIGATE.R) (detail)

193.2521 (193.2515(a); 193.2515(b); 193.2515(c))	**S a t +**	**S a t**	**Concern**	**Unsat**	**N A**	**N C**
Notes						

29. Communication Systems (detail) *Does the process require an adequate communication system?*
(MO.LO.COMMSYS.P) (detail)

193.2017(a) (193.2519(a); 193.2519(b); 193.2519(c); 193.2445(a); 193.2442(b))	**S a t +**	**S a t**	**Concern**	**Unsat**	**N A**	**N C**
Notes						

30. Communication Systems (detail) *Does the communication system meet all of the requirements of 193.2519?*
(MO.LO.COMMSYS.O) (detail)

193.2519(a) (193.2519(b); 193.2519(c); 193.2445(b))	**S a t +**	**S a t**	**Concern**	**Unsat**	**N A**	**N C**
Notes						

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

193.2017(a) (193.2521)	**S a t +**	**S a t**	**Concern**	**Unsat**	**N A**	**N C**
Notes						

Maintenance and Operations - Liquid Pipeline Maintenance

1. Status of Components (detail) *Does the process meet the general requirements for the condition and status of components?* (MO.LM.CMPNTSTATUS.P) (detail)

193.2017(a) (193.2603(a); 193.2603(b); 193.2603(d); 193.2603(e))	**S a t +**	**S a t**	**Concern**	**Unsat**	**N A**	**N C**
Notes						

2. Status of Components (detail) *Do records show that the status of out of service components was documented as required?* (MO.LM.CMPNTSTATUS.R) (detail)

193.2639(a) (193.2603(c); 193.2603(d))	**S a t +**	**S a t**	**Concern**	**Unsat**	**N A**	**N C**
Notes						

3. Maintenance Procedures (detail) *Does the operator have procedures for the maintenance of each component, including any required corrosion control?* (MO.LM.MAINTPROCEDURES.P) (detail)

193.2017(a) (193.2605(a); 193.2605(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

4. Recognizing Safety-related Conditions (detail) *Does the maintenance process contain instructions for recognizing a reportable safety-related condition?* (MO.LM.MAINTSRC.P) (detail)

193.2017(a) (193.2605(a); 193.2605(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

5. Control of Foreign Material and Debris (detail) *Does the process require that the facility be free from the presence of foreign material and debris?* (MO.LM.FOREIGNMAT.P) (detail)

193.2017(a) (193.2607(a); 193.2607(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

6. Control of Foreign Material and Debris (detail) *Is the facility free of foreign material or debris that presents a fire hazard?* (MO.LM.FOREIGNMAT.O) (detail)

193.2607(a) (193.2607(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

7. Physical Support Systems (detail) *Does the process require that foundations and support systems be inspected for changes that could impair their support?* (MO.LM.PHYSICALSUPPORT.P) (detail)

193.2017(a) (193.2609)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

8. Physical Support Systems (detail) *Do records show that foundations and support systems have been inspected?* (MO.LM.PHYSICALSUPPORT.R) (detail)

193.2639(a) (193.2609)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

9. Physical Support Systems (detail) *Are foundations and support systems structurally sound?* (MO.LM.PHYSICALSUPPORT.O) (detail)

193.2609	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

10. Fire Protection Out of Service (detail) *Does the process require that the amount of fire control equipment out of service at any one time be minimized?* (MO.LM.FIREPROTOOS.P) (detail)

193.2017(a) (193.2611(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

11. Fire Protection Out of Service (detail) *Do records show that maintenance activities on fire protection equipment are scheduled to minimize downtime and ensure a minimum amount of equipment is available?* (MO.LM.FIREPROTOOS.R) (detail)

193.2639(a) (193.2611(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

12. Maintain Access Routes (detail) *Does the process require that access routes for movement of fire protection equipment be kept clear?* (MO.LM.FIREPROTACCESS.P) (detail)

193.2017(a) (193.2611(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

13. Maintain Access Routes (detail) *Are access routes for movement of fire control equipment clear of snow and other obstacles?* (MO.LM.FIREPROTACCESS.O) (detail)

193.2611(b)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

14. Testing Auxiliary Power Sources (detail) *Does the process require that auxiliary power sources be tested monthly for operational capability and annually for capacity?* (MO.LM.AUXPOWERTEST.P) (detail)

193.2017(a) (193.2613)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

15. Testing Auxiliary Power Sources (detail) *Do records show that auxiliary power systems have been tested monthly for operational capability and annually for capacity?* (MO.LM.AUXPOWERTEST.R) (detail)

193.2639(a) (193.2613)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

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

193.2613	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

17. Isolating and Purging (detail) *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) (detail)

193.2017(a) (193.2615(a); 193.2615(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

18. Repair of Components (detail) *Does the process require that repairs conform to the requirements of 193 Subpart D (Construction) and assure integrity/operational safety?* (MO.LM.REPAIRS.P) (detail)

193.2017(a) (193.2617(a); 193.2617(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

19. Repair of Components (detail) *Do records show that repairs of components were made in accordance with 193 Subpart D (Construction) and assured integrity/operational safety? (MO.LM.REPAIRS.R) (detail)*

193.2639(a) (193.2617(a); 193.2617(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

20. Control Systems (detail) *Does the process require that control systems meet the requirements of 193.2619? (MO.LM.CONTROLSYS.P) (detail)*

193.2017(a) (193.2619(a); 193.2619(b); 193.2619(c); 193.2619(d); 193.2619(e))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

21. Control Systems (detail) *Do records show that control systems, relief valves, and other components were inspected or tested in accordance with 193.2619? (MO.LM.CONTROLSYS.R) (detail)*

193.2639(a) (193.2619(b); 193.2619(c); 193.2619(d); 193.2619(e))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

22. Control Systems (detail) *Are control systems operating within design limits? (MO.LM.CONTROLSYS.O) (detail)*

193.2619(a)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

23. Testing of Other Components (detail) *Do records show that all applicable components not covered by 193.2619 have been inspected and tested per the O&M manual? (MO.LM.OTHERTESTS.R) (detail)*

193.2639(a) (193.2605(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

24. Transfer Hoses (detail) *Does the process require the testing and inspection of transfer hoses before use and annually? (MO.LM.TXHOSE.P) (detail)*

193.2017(a) (193.2621(a); 193.2621(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

25. Transfer Hoses (detail) *Do records show that transfer hoses have been tested once each calendar year and inspected before each use? (MO.LM.TXHOSE.R) (detail)*

193.2639(a) (193.2621(a); 193.2621(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

26. Transfer Hoses (detail) *Are transfer hoses inspected before each use? (MO.LM.TXHOSE.O) (detail)*

193.2621(b)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

Emergency Preparedness and Response - Emergency Response Liquids

1. Responding to Non-Fire Emergencies (detail) *Does the process identify the types and locations of non-fire emergencies that may be expected to occur?* (EP.ERL.EMEROPS.P) (detail)

193.2017(a) (193.2509(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

2. Responding to Controllable Emergencies (detail) *Do emergency procedures contain provisions for responding to controllable emergencies?* (EP.ERL.CONTREMERG.P) (detail)

193.2017(a) (193.2509(b)(1))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

3. Responding to Uncontrollable Emergencies (detail) *Do emergency procedures contain provisions for responding to uncontrollable emergencies?* (EP.ERL.UNCONTREMERG.P) (detail)

193.2017(a) (193.2509(b)(2))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

4. Coordination of Evacuation Plans (detail) *Do emergency procedures require a process for coordinating evacuation plans with local officials?* (EP.ERL.EVACUATION.P) (detail)

193.2017(a) (193.2509(b)(3))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

5. Coordination of Evacuation Plans (detail) *Do records show that evacuation plans were coordinated with local authorities?* (EP.ERL.EVACUATION.R) (detail)

193.2521 (193.2509(b)(3))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

6. Cooperating on Mutual Assistance (detail) *Do emergency procedures require cooperating with local officials in evacuations and emergencies requiring mutual assistance?* (EP.ERL.MUTUALASSIST.P) (detail)

193.2017(a) (193.2509(b)(4))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

7. Cooperating on Mutual Assistance (detail) *Do records show cooperation with local officials on mutual assistance?* (EP.ERL.MUTUALASSIST.R) (detail)

193.2521 (193.2905(b)(4))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

8. Emergency Personnel Protective Clothing and Equipment (detail) *Does the process require that protective clothing and equipment be provided to personnel performing emergency response duties? (EP.ERL.EMERPERSONPROT.P) (detail)*

193.2017(a) (193. 2511(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

9. Personnel Protective Clothing and Equipment (detail) *Is emergency protective clothing and equipment at the locations and of the type specified? (EP.ERL.EMERPERSONPROT.O) (detail)*

193.2511(a)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

10. Protection from Thermal Radiation (detail) *Does the process require that personnel on duty at fixed locations be provided protection from thermal radiation or a means of escape? (EP.ERL.THERMRADPROT.P) (detail)*

193.2017(a) (193.2511(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

11. Protection from Thermal Radiation (detail) *Is a means of protection from thermal radiation or a means of escape provided at applicable fixed duty locations? (EP.ERL.THERMRADPROT.O) (detail)*

193.2511(b)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

12. First-aid Material Availability (detail) *Does the process require that first-aid material be readily available and properly marked? (EP.ERL.FIRSTAID.P) (detail)*

193.2017(a) (193.2511(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

13. First-aid Material Availability (detail) *Is first aid material readily available and clearly marked? (EP.ERL.FIRSTAID.O) (detail)*

193.2511(c)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

Facilities and Storage - Tanks and Storage

1. Storage Tanks (detail) *Does the process require that storage tanks be inspected or tested to verify tank safety and structural integrity? (FS.TS.STRGTANK.P) (detail)*

193.2017(a) (193.2623(a); 193.2623(b); 193.2623(c); 193.2623(d))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

2. Storage Tanks (detail) *Do records show that storage tanks have been adequately inspected?* (FS.TS.STRGTANK.R) (detail)

193.2639(a) (193.2623(a); 193.2623(b); 193.2623(c); 193.2623(d))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

3. Storage Tanks (detail) *Do storage tanks appear structurally sound and safe?* (FS.TS.STRGTANK.O) (detail)

193.2623(a) (193.2623(b); 193.2623(c); 193.2623(d))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

Facilities and Storage - Facilities General

1. Fire Protection Evaluation (detail) *Does the process for conducting a fire protection evaluation meet the requirements of NFPA 59A, Section 9.1.2?* (FS.FG.FPEVAL.P) (detail)

193.2017(a) (193.2801)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

2. Fire Protection Evaluation (detail) *Do records show that an adequate NFPA-59A fire protection evaluation has been conducted?* (FS.FG.FPEVAL.R) (detail)

193.2801	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

3. Emergency Shutdown System (detail) *Does the process require an emergency shutdown system that meets the requirements of NFPA 59A, Section 9.2?* (FS.FG.ESD.P) (detail)

193.2017(a) (193.2801)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

4. Emergency Shutdown System (detail) *Has an emergency shutdown system (ESD) been installed that meets the requirements of NFPA 59A, Section 9.2?* (FS.FG.ESD.O) (detail)

193.2801	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

5. Flammable Gas and Fire Detection (detail) *Does the process require flammable gas and fire detection that meets NFPA 59A, Section 9.3?* (FS.FG.GASFIREDETECT.P) (detail)

193.2017(a) (193.2801)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

6. Flammable Gas and Fire Detection (detail) *Do flammable gas and fire detection systems meet the requirements of NFPA 59A, Section 9.3? (FS.FG.GASFIREDETECT.O) (detail)*

193.2801	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

7. Fire Water Supply and Delivery (detail) *Does the process for fire water supply and distribution meet the requirements of NFPA 59A, Section 9.4? (FS.FG.FIREWATERDIST.P) (detail)*

193.2017(a) (193.2801)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

8. Fire Water Supply and Delivery (detail) *Does the fire water supply and delivery system meet the requirements of NFPA 59A, Section 9.4? (FS.FG.FIREWATERDIST.O) (detail)*

193.2801	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

9. Fire Protection Equipment (detail) *Does the process for the staging of fire protection equipment meet the requirements of NFPA 59A, Section 9.5? (FS.FG.FIREPROTEQUIP.P) (detail)*

193.2017(a) (193.2801)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

10. Fire Protection Equipment (detail) *Does the staging of fire protection equipment meet the requirements of NFPA 59A, Section 9.5? (FS.FG.FIREPROTEQUIP.O) (detail)*

193.2801	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

11. Protective Clothing (detail) *Does the process require that protective clothing be available in accordance with NFPA 59A, Sections 9.7.1 and 9.7.2? (FS.FG.PROTCLOTHING.P) (detail)*

193.2017(a) (193.2801)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

12. Protective Clothing (detail) *Is protective clothing available as required by NFPA 59A, Section 9.7.1? (FS.FG.PROTCLOTHING.O) (detail)*

193.2801	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

13. Entering Confined or Hazardous Space (detail) *Do the written practices and procedures for the entry of personnel into confined or hazardous space meet the requirements of NFPA 59A, Sections 9.7.3 and 9.7.4? (FS.FG.CONFINEDSPACE.P) (detail)*

193.2017(a) (193.2801)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

14. Entry Into Confined or Hazardous Space (detail) *Are at least three portable gas detectors available for use when personnel enter into a confined or hazardous space in accordance with NFPA 59A, Section 9.7.4? (FS.FG.CONFINEDSPACE.O)* (detail)

193.2801	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

15. Venting in Case of Emergency (detail) *Does the process for depressurizing the plant or venting LNG in the event of an emergency meet the requirements of NFPA 59A, Section 9.9.1? (FS.FG.VENTING.P)* (detail)

193.2017(a) (193.2801)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

16. Taking an LNG Container Out of Service (detail) *Does the process for taking an LNG container out of service meet the requirements of NFPA 59A, Section 9.9.2? (FS.FG.OUTOFSERVICE.P)* (detail)

193.2017(a) (193.2801)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

17. Security Procedures (detail) *Is the security process adequate? (FS.FG.SECPROCEDURES.P)* (detail)

193.2017(a) (193.2903(a); 193.2903(b); 193.2903(c); 193.2903(d); 193.2903(e); 193.2903(f); 193.2903(g))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

18. Enclosure Protection (detail) *Is the process for protective enclosure construction adequate?* (FS.FG.PROTECTENCLOSURECON.P) (detail)

193.2017(a) (193.2907(a); 193.2907(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

19. Enclosure Protection (detail) *Are protective enclosures adequately configured to prevent unauthorized access?* (FS.FG.PROTECTENCLOSURECON.O) (detail)

193.2907(a) (193.2907(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

20. Enclosure Protection (detail) *Are applicable facilities surrounded by adequate protective enclosures?* (FS.FG.PROTECTENCLOSE.O) (detail)

193.2905(a) (193.2905(b); 193.2905(c); 193.2905(e); 193.2905(e))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

21. Security Communication (detail) *Does the process require an effective means of security communications?* (FS.FG.SECURITYCOMM.P) (detail)

193.2017(a) (193.2909(a); 193.2909(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

22. Security Communications (detail) *Are there adequate security communication capabilities?*
(FS.FG.SECURITYCOMM.O) (detail)

193.2909(a) (193.2909(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

23. Security Lighting (detail) *Does the process require that adequate security lighting be provided?*
(FS.FG.SECURITYLIGHT.P) (detail)

193.2017(a) (193.2911)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

24. Security Lighting (detail) *Is adequate security lighting provided, where applicable?* (FS.FG.SECURITYLIGHT.O)
(detail)

193.2911	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

25. Security Monitoring (detail) *Does the process for security monitoring meet requirements for the facility?*
(FS.FG.SECURITYMONITOR.P) (detail)

193.2017(a) (193.2913)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

26. Security Monitoring (detail) *Does security monitoring meet requirements applicable to the facility?*
(FS.FG.SECURITYMONITOR.O) (detail)

193.2913	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

27. Security System Alternate Source of Power (detail) *Does the process require an adequate alternate source
of power for security lighting, and security monitoring and warning systems?* (FS.FG.ALTPOWER.P) (detail)

193.2017(a) (193.2915; 193.2445(a); 193.2445(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

28. Security System Alternate Source of Power (detail) *Is there an alternate power source for security lighting
and security monitoring and warning systems?* (FS.FG.ALTPOWER.O) (detail)

193.2915 (193.2445(a); 193.2445(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

29. Sources of Power (detail) *Does the process require at least two sources of power for communication, emergency
lighting, and firefighting systems?* (FS.FG.POWERSOURCES.P) (detail)

193.2445(a) (193.2445(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

    Through Amdt. 193-23   August 2013

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

193.2445(a) (193.2445(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

31. Warning Signs (detail) *Does the process require the placement of warning signs along the protective enclosure?* (FS.FG.WARNSIGN.P) (detail)

193.2017(a) (193.2917(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

32. Warning Signs (detail) *Are warning signs placed about the protective enclosure such that they can be seen from 100 ft at night?* (FS.FG.WARNSIGN.O) (detail)

193.2917(a) (193.2907(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

Time-Dependent Threats - Time Dependent Threats: General

1. Corrosion (detail) *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) (detail)

193.2017(a) (193.2625(a); 193.2625(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

2. Corrosion (detail) *Do records show that components that can be adversely affected by corrosion are identified, and protected, or inspected and replaced?* (TD.GEN.CORROSION.R) (detail)

193.2639(b) (193.2625(a); 193.2625(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

Time-Dependent Threats - External Corrosion - Atmospheric

1. Atmospheric Corrosion (detail) *Does the process require that components subject to atmospheric corrosion are made of corrosion-resistant materials or protected?* (TD.ATM.ATMCORROSION.P) (detail)

193.2017(a) (193.2627(a); 193.2627(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

2. Atmospheric Corrosion (detail) *Are coated/jacketed components subject to atmospheric corrosion protected?* (TD.ATM.ATMCORROSION.O) (detail)

193.2627(b)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

3. Monitoring for Atmospheric Corrosion (detail) *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) (detail)

193.2017(a) (193.2635(d))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

4. Monitoring for Atmospheric Corrosion (detail) *Do records show that inspections for atmospheric corrosion were completed at the required intervals?* (TD.ATM.ATMCORRMONITOR.R) (detail)

193.2639(b) (193.2635(d))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

5. Monitoring for Atmospheric Corrosion (detail) *Is there any visible corrosion on components protected from atmospheric corrosion?* (TD.ATM.ATMCORRMONITOR.O) (detail)

193.2635(d)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

Time-Dependent Threats - External Corrosion - Cathodic Protection

1. Buried or Submerged Components (detail) *Does the process require that buried components are made of a corrosion-resistant material, or protected by coating and cathodic protection?* (TD.CP.BURIEDCOMP.P) (detail)

193.2017(a) (193.2629(a); 193.2629(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

2. Buried or Submerged Components (detail) *Do records show that applicable buried and submerged components are protected from external corrosion?* (TD.CP.BURIEDCOMP.R) (detail)

193.2639(b) (193.2629(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

3. Interference Currents (detail) *Does the process give sufficient guidance and detail for identifying areas of potential interference current and minimizing the detrimental effects of such currents?* (TD.CP.INTFRCURRENT.P) (detail)

193.2017(a) (193.2633(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

4. Interference Currents (detail) *Do records show that the operator has a continuing program to minimize the detrimental effects of interference currents?* (TD.CP.INTFRCURRENT.R) (detail)

193.2639(b) (193.2633(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

5. Isolation of Adjacent Metal Components and Systems (detail) *Does the process require that cathodic protection be installed to minimize the detrimental effects on adjacent metal components and communication and control systems?* (TD.CP.ISOLATE.P) (detail)

193.2017(a) (193.2633(b); 193.2633(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

6. Monitoring for External Corrosion (detail) *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) (detail)

193.2017(a) (193.2635(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

7. Monitoring for External Corrosion (detail) *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) (detail)

193.2639(b) (193.2635(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

8. Rectifiers, Bonds, Diodes and Reverse Current Switches (detail) *Does the process require making electrical checks of rectifiers or other impressed current power source, interference bonds, reverse current switches and diodes at the code specified frequencies?* (TD.CP.CURRENTTEST.P) (detail)

193.2017(a) (193.2635(b); 193.2635(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

9. Rectifiers, Bonds, Diodes and Reverse Current Switches (detail) *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) (detail)

193.2369(b) (193.2635(b); 193.2635(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

10. Rectifiers, Bonds, Diodes and Reverse Current Switches (detail) *Are rectifiers, interference bonds, diodes, and reverse current switches properly maintained and are they functioning properly?* (TD.CP.CURRENTTEST.O) (detail)

193.2635(a) (193.2635(b); 193.2635(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

11. Prompt Remedial Action (detail) *Does the process require that prompt remedial action be taken whenever corrosion control deficiencies are found?* (TD.CP.REMEDIATE.P) (detail)

193.2017(a) (193.2637)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

12. Prompt Remedial Action (detail) *Do records show that prompt remedial action was taken whenever corrosion control deficiencies were found?* (TD.CP.REMEDIATE.R) (detail)

193.2639(b) (193.2637)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

13. CP Maps and Records (detail) *Does the operator have records showing cathodically protected components, structures bonded to the CP system, and corrosion protection equipment?* (TD.CP.RECORDS.R) (detail)

193.2639(b) (193.2639(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

Time-Dependent Threats - Internal Corrosion - Preventive Measures

1. Internal Corrosion (detail) *Does the process require that components subject to internal corrosion be made of corrosion-resistant material or be protected?* (TD.ICP.INTCORR.P) (detail)

193.2017(a) (193.2631(a); 193.2631(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

2. Monitoring for Internal Corrosion (detail) *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) (detail)

193.2017(a) (193.2635(e))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

3. Monitoring for Internal Corrosion (detail) *Do records show that internal corrosion monitoring devices were checked twice per calendar year, not to exceed 7.5 months?* (TD.ICP.INTCORRMONITOR.R) (detail)

193.2639(b) (193.2635(e))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

Training and Qualification - Operator Qualification

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

193.2017(a) (193.2707(a); 193.2707(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

2. Qualifications and Training of Operations and Maintenance Personnel (detail) *Do records show that operations and maintenance of components was conducted by personnel who met the qualifications and training requirements?* (TQ.OQ.OMQUAL.R) (detail)

193.2719(a) (193.2707(a); 193.2707(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

3. Qualifications and Training of Operations and Maintenance Personnel (detail) *Do individuals conducting operations and maintenance of components demonstrate adequate skills and knowledge?* (TQ.OQ.OMQUAL.O) (detail)

193.2707(a)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

4. Personnel Not Meeting Operations and Maintenance Personnel Qualifications and Training Requirements (detail) *Are non-qualified individuals conducting operations and maintenance of components being directed and observed by a qualified individual?* (TQ.OQ.OMNONQUAL.O) (detail)

193.2707(b)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

5. Qualifications and Training of Corrosion Control Personnel (detail) *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) (detail)

193.2017(a) (193.2707(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

6. Qualifications and Training of Corrosion Control Personnel (detail) *Do records demonstrate that personnel who perform corrosion control, or supervise unqualified individuals, are qualified in corrosion control technology?* (TQ.OQ.CORRCONTRPERS.R) (detail)

193.2719(a) (193.2707(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

7. Qualifications and Training of Corrosion Control Personnel (detail) *Do individuals conducting, or directing. corrosion control activities demonstrate adequate skills and knowledge?* (TQ.OQ.CORRCONTRPERS.O) (detail)

193.2707(c)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

8. Personnel Health (detail) *Is there an adequate plan for evaluating the health and physical condition of personnel assigned operations, maintenance, security, or fire protection duties?* (TQ.OQ.PERSONHEALTH.P) (detail)

193.2017(a) (193.2711)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

9. Personnel Health (detail) *Do records show that the health and physical condition of personnel assigned operations, maintenance, security, or fire protection duties have been evaluated?* (TQ.OQ.PERSONHEALTH.R) (detail)

193.2711	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

10. Training of Operations, Maintenance, and Supervisory Personnel (detail) *Does the plan require that operations, maintenance, and supervisory personnel receive the mandatory initial training?* (TQ.OQ.TRAINOM.P) (detail)

193.2017(a) (193.2713(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

11. Training of Operations, Maintenance, and Supervisory Personnel (detail) *Do records show that operations, maintenance, and supervisory personnel have received the mandatory initial training?* (TQ.OQ.TRAINOM.R) (detail)

193.2713(a) (193.2719(a); 193.2719(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

12. Retraining of Operations, Maintenance, and Supervisory Personnel (detail) *Does the plan require that operations, maintenance, and supervisory personnel receive refresher training at intervals not to exceed two years?* (TQ.OQ.RETRAINOM.P) (detail)

193.2017(a) (193.2713(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

13. Retraining of Operations, Maintenance, and Supervisory Personnel (detail) *Do records show that operations, maintenance, and supervisory personnel received refresher training every two years?* (TQ.OQ.RETRAINOM.R) (detail)

193.2713(b) (193.2719(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

14. Training of Security Personnel (detail) *Does the plan require that security personnel receive the mandatory initial training?* (TQ.OQ.TRAINSECURITY.P) (detail)

193.2017(a) (193.2715(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

15. Training of Security Personnel (detail) *Do records show that security personnel received mandatory initial training?* (TQ.OQ.TRAINSECURITY.R) (detail)

193.2715(a) (193.2719(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

16. Retraining of Security Personnel (detail) *Does the plan require that security personnel receive refresher training at intervals not to exceed two years?* (TQ.OQ.RETRAINSECURITY.P) (detail)

193.2017(a) (193.2715(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

17. Retraining of Security Personnel (detail) *Do records show that security personnel received refresher training every two years?* (TQ.OQ.RETRAINSECURITY.R) (detail)

193.2715(b) (193.2719(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

Training and Qualification - Training of Personnel

1. Training Fire Protection Personnel (detail) *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) (detail)

193.2017(a) (193.2717(a))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

2. Training Personnel in Fire Protection (detail) *Do records show that operations, maintenance, and supervisory personnel have been adequately trained in fire protection?* (TQ.TR.TRAINFIREPROT.R) (detail)

193.2717(a) (193.2717(a)(1); 193.2717(a)(2); 193.2717(a)(3); 193.2719(a); 193.2719(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

3. Retraining of Personnel in Fire Protection (detail) *Does the plan require that operations, maintenance, and supervisory personnel receive refresher fire protection training at intervals not to exceed two years and that training includes fire drills?* (TQ.TR.RETRAINFIREPROT.P) (detail)

193.2017(a) (193.2717(b); 193.2717(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

4. Retraining of Personnel in Fire Protection (detail) *Do records show that operations, maintenance, and supervisory personnel received refresher fire protection training every two years?* (TQ.TR.RETRAINFIREPROT.R) (detail)

193.2717(b) (193.2719(a); 193.2719(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

5. Plant Fire Drills (detail) *Do records show that fire drills have been conducted at the frequency required by the written plan?* (TQ.TR.FIREDRILLS.R) (detail)

193.2717(c) (193.2719(a); 193.2719(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

6. Plant Fire Drills (detail) *Do personnel demonstrate adequate fire protection skills during a fire drill?* (TQ.TR.FIREDRILLS.O) (detail)

193.2717(c)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

CRM, SCADA, and Leak Detection - Control Room Management

1. Control Room (detail) *Does the control center have the required capabilities and characteristics?*
(CR.CRM.CONTROLCENTER.O) (detail)

193.2441(a) (193.2441(b); 193.2441(c); 193.2441(d); 193.2441(e))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						