**Reporting - Regulatory Reporting (Traditional)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **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**

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| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **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)) | Sat+ | Sat | Concern | Unsat | NA | NC | |  |  |  |  |  |  |  | | 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)) | Sat+ | Sat | Concern | Unsat | NA | NC | |  |  |  |  |  |  |  | | 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)) | Sat+ | Sat | Concern | Unsat | NA | NC | |  |  |  |  |  |  |  | | 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)) | Sat+ | Sat | Concern | Unsat | NA | NC | |  |  |  |  |  |  |  | | 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) | Sat+ | Sat | Concern | Unsat | NA | NC | |  |  |  |  |  |  |  | | Notes | | | | | | | |

**Maintenance and Operations - Liquid Pipeline Maintenance**

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| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **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)) | Sat+ | Sat | Concern | Unsat | NA | NC | |  |  |  |  |  |  |  | | 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)) | Sat+ | Sat | Concern | Unsat | NA | NC | |  |  |  |  |  |  |  | | 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 | | | | | | | |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **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**

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| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **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**

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| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **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 | | | | | | | |

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