

## Procedures - Reporting

**1. Immediate Reporting: Incidents (detail)** Does process require incidents to be immediately reported 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))	<b>Sat+</b>	<b>Sat</b>	<b>Concern</b>	<b>Unsat</b>	<b>NA</b>	<b>NC</b>

**Notes**

**2. 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))	<b>Sat+</b>	<b>Sat</b>	<b>Concern</b>	<b>Unsat</b>	<b>NA</b>	<b>NC</b>

**Notes**

**3. 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))	<b>Sat+</b>	<b>Sat</b>	<b>Concern</b>	<b>Unsat</b>	<b>NA</b>	<b>NC</b>

**Notes**

**4. National Registry of Pipeline and LNG Operators (OPID) (detail)** Does the process require the appropriate control of Operator Identification Numbers (OPIDs) and notification of applicable changes to the National Registry of Pipeline and LNG Operators? (RPT.RR.REGISTRY.P) (detail)

193.2011 (191.22(a); 191.22(b); 191.22(c); 191.22(d))	<b>Sat+</b>	<b>Sat</b>	<b>Concern</b>	<b>Unsat</b>	<b>NA</b>	<b>NC</b>

**Notes**

**5. 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))	<b>Sat+</b>	<b>Sat</b>	<b>Concern</b>	<b>Unsat</b>	<b>NA</b>	<b>NC</b>

**Notes**

## Procedures - Plans and Procedures

**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(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Normal Operations

**1. 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

**2. 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

**3. 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

**4. 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**

**5. 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**

**6. 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**

**7. 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**

## Procedures - Emergency Operations

**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. 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**

## Procedures - Personnel Safety

**1. 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) (193.2509(b)(1); 193. 2511(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**2. 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

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

193.2511(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Transfer

**1. 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

**2. 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

## Procedures - Investigation of Failure

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

193.2515(a) (193.2515(b); 193.2515(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Communication System

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

193.2519(a) (193.2519(b); 193.2519(c); 193.2445(a);  
193.2445(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Operating Record

**1. Maintaining Operating Records (detail)** *Is there 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

## Procedures - 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); 193.2605(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**2. 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

**3. 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

**4. 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); 193.2605(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Support System

**1. 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) (193.2605(b); 193.2609)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Fire Protection Procedures

**1. Maintain Fire Protection Equipment (detail)** *Has a maintenance program been established for all plant fire protection equipment in accordance with NFPA 59A, Section 9.6? (MO.LM.MAINTAINFIREPROTEQ.P) (detail)*

193.2017(a) (193.2801; NFA 59A, Section 9.6)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**2. 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



**3. 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) (193.2605(b); 193.2611(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Auxiliary Power Source

**1. 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

**2. 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) (193.2605(b); 193.2613)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Isolating and Purging

**1. 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) (193.2605(b); 193.2615(a); 193.2615(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Repair

**1. 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) (193.2605(b); 193.2617(a); 193.2617(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Control System

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

193.2017(a) (193.2605(b); 193.2619(a); 193.2619(b);  
193.2619(c); 193.2619(d); 193.2619(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Testing Transfer Hose

**1. 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) (193.2605(b); 193.2621(a); 193.2621(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Inspecting LNG Storage Tank

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

193.2017(a) (193.2605(b); 193.2623(a); 193.2623(b);  
193.2623(c); 193.2623(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Corrosion Protection

**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) (193.2605(b); 193.2625(a); 193.2625(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Atmospheric Corrosion

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

193.2017(a) (193.2605(b); 193.2627(a); 193.2627(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - External Corrosion Control: Buried or Submerged Components

**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) (193.2605(b); 193.2629(a); 193.2629(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Internal Corrosion Control

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

193.2017(a) (193.2605(b); 193.2631(a); 193.2631(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Interference Currents

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

193.2017(a) (193.2605(b); 193.2633(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**2. 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) (193.2605(b); 193.2633(b); 193.2633(c))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

## Procedures - Monitoring Corrosion Control

**1. 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) (193.2605(b); 193.2635(a))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**2. 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) (193.2605(b); 193.2635(b); 193.2635(c))

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) (193.2605(b); 193.2635(d))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**4. 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.INTCORRMONTOR.P) (detail)

193.2017(a) (193.2605(b); 193.2635(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Remedial Measure

**1. 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) (193.2605(b); 193.2637)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Operations and Maintenance

**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)

193.2707(a) (193.2707(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**2. 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)

193.2707(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Personnel Health

**1. 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

## Procedures - Training: Operations and Maintenance

**1. 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

**2. 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

## Procedures - Training: Security

**1. 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

**2. 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

## Procedures - Training: Fire Protection

**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); 193.2717(c); 193.2801)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**2. 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



## Procedures - Fire Protection

**1. 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, Section 9.7.3?* (FS.FG.CONFINEDSPACE.P) (detail)

193.2017(a) (193.2801)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**2. 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; NFPA 59A, Sections 9.7)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**3. 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

## Procedures - Security

**1. 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

## Procedures - Security Communications

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

193.2909(a) (193.2909(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Security Lightning

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

193.2911

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Security Monitoring

**1. 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

## Procedures - Alternative Power Source

**1. 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)*

193.2915 (193.2445(a); 193.2445(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Procedures - Warning Sign

**1. 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

## Records - Regulatory Reporting Performance

**1. 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

**2. 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

**3. 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**

**4. 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**

**5. 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**

**6. National Registry of Pipeline and LNG Operators (OPID) (detail)** *Do records indicate appropriate control of Operator Identification Numbers (OPIDs) and has notified the National Registry of Pipeline and LNG Operators of applicable changes? (RPT.RR.REGISTRY.R) (detail)*

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

**Notes**

**7. 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**

## Records - Operating

**1. 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)

193.2017(c)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**2. 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

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

193.2503(e)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

193.2503(f)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

193.2505(a) (193.2505(b); 193.2503(g))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**6. 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)*

193.2507 (193.2503(a))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**7. Responding to Emergencies (detail)** *Do records convey that operator adequately responded to emergencies and followed its emergency response procedures? (EP.ERL.EMERG.R) (detail)*

193.2509(b)(1) (193.2509(b)(2))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

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

193.2509(b)(3)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

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

193.2905(b)(4)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

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

193.2513(a) (193.2513(b))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

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

193.2513(c)	Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**12. 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**

**13. 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**

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

193.2521	Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**15. Startup and Shutdown (detail)** *Do records show that startup and shutdown procedures, including initial testing, were followed?* (MO.LO.STARTUPSHUTDOWN.R) (detail)

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

**Notes**

## Records - Maintenance

**1. 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

**2. 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

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

193.2801 (NFPA 59A Section 9.6)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**4. 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

**5. 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



**6. 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**

**7. 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**

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

193.2639(a)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

## Records - Maintenance: Transfer Hoses

**1. 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**

## Records - Maintenance: Storage Tank

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

193.2639(a) (193.2623(a); 193.2623(b); 193.2623(c);  
193.2623(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Records - Maintenance: Corrosion Control

**1. 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

**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)** *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

**4. 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); 193.2639(a))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**5. 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); 193.2639(a))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**6. 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); 193.2639(a))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**7. 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); 193.2639(a))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

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

193.2639(b) (193.2637; 193.2639(a))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**9. 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

## Records - Personnel Health

**1. 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

## Records - Initial and Follow-up Training

**1. 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

**2. 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

**3. 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**

**4. 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**

**5. 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**

**6. 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**

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

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

**Notes**

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

193.2717(b) (193.2717(c); 193.2719(a); 193.2719(b))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

## Records - Fire Protection

**1. Fire Protection Evaluation (detail)** *Do records show that an adequate fire protection evaluation has been conducted as required of NFPA 59A, Section 9.2.1?* (FS.FG.FPEVAL.R) (detail)

193.2801 (NFPA 59A, Section 9.2)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**2. Emergency Shutdown System (detail)** *Do records demonstrate that the emergency shutdown system meets the requirements of NFPA 59A, Section 9.2?* (FS.FG.ESD.R) (detail)

193.2801 (NFPA 59A, Section 9.2)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**3. Flammable Gas and Fire Detection (detail)** *Do records indicate that flammable gas and fire detection meet NFPA 59A, Section 9.3?* (FS.FG.GASFIREDETECT.R) (detail)

193.2801 (NFPA 59A, Section 9.3)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**4. Fire Water Supply and Delivery (detail)** *Do records demonstrate that the fire water supply and distribution system meets the requirements of NFPA 59A, Section 9.4? (FS.FG.FIREWATERDIST.R) (detail)*

193.2801 (NFPA 59A, Section 9.4)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**5. Fire Protection Equipment (detail)** *Do records demonstrate that the staging of fire protection equipment meets the requirements of NFPA 59A, Section 9.5? (FS.FG.FIREPROTEQUIP.R) (detail)*

193.2801 (NFPA 59A, Section 9.5)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**6. Protective Clothing (detail)** *Do records demonstrate that protective clothing was available in accordance with NFPA 59A, Sections 9.7.1 and 9.7.2? (FS.FG.PROTCLOTHING.R) (detail)*

1193.2801 (NFPA 59A, Section 9.7)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**7. Taking an LNG Container Out of Service (detail)** *Do records demonstrate that an LNG container taken out of service was performed in accordance with NFPA 59A, Section 9.9.2? (FS.FG.OUTOFSERVICE.R) (detail)*

193.2801 (NFPA 59A, Section 9.9)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

## Records - Protective Enclosures

**1. Protective Enclosure Construction (detail)** *Do records indicate the operator has constructed adequate protective enclosures?* (FS.FG.PROTECTENCLOSURECON.R) (detail)

193.2907(a) (193.2905(a); 193.2905(b); 193.2905(c);  
193.2905(d); 193.2905(e); 193.2907(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Field Review - Field Review

**1. Control Center (detail)** *Does the control center have the required capabilities and characteristics, and does it monitor components and buildings?* (CR.CRM.CONTROLCENTER.O) (detail)

193.2441(a) (193.2441(b); 193.2441(c); 193.2441(d);  
193.2441(e); 193.2507)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**2. 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

**3. 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



**4. Cooldown of Components (detail)** *Are 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**

**5. Monitoring Operations - Buildings and Components (detail)** *Are operating components and buildings 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. 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**

**7. 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**

**8. 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**

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

(detail)

193.2513(b)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**10. Cargo Transfer Process (detail)** *Are cargo transfers conducted in accordance with the process?*

(MO.LO.CARGOTRANS.O) (detail)

193.2513(c)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**11. 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**

**12. 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**

**13. 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**

**14. 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**

**15. 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**

**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. Control Systems (detail)** *Are control systems operating within design limits?*

(detail)

193.2619(a)

Sat +	Sat	Concern	Unsat	NA	NC

**Notes**

**18. 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**

**19. LNG Storage Tanks (detail)** *Do LNG storage tanks appear structurally sound and safe?*

(FS.TS.LNGSTRGTANK.O) (detail)

193.2623(a) (193.2623(b); 193.2623(c); 193.2623(d))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**20. Monitoring for External Corrosion (detail)** *For certain buried or submerged components, does the*

*cathodic protection meet the requirements of 192.463? (TD.CP.EXTCORRMONITOR.O) (detail)*

193.2635(a)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**21. 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(b) (193.2635(c))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**22. Monitoring for Atmospheric Corrosion (detail)** *Are certain components subject to atmospheric*

*corrosive attack coated or jacketed? (TD.ATM.ATMCORRMONITOR.O) (detail)*

193.2635(d)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**23. Qualifications and Training of Operations and Maintenance Personnel (detail)** *Do*

*individuals conducting operations and maintenance of components demonstrate their capability to perform their assigned functions? (TQ.OQ.OMQUAL.O) (detail)*

193.2707(a) (193.2707(b))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**24. 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**

**25. 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**

**26. 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 (NFPA 59A, Section 9.2)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**27. 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 (NFPA 59A, Section 9.3)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**28. 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 (NFPA 59A, Section 9.4)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**29. 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 (NFPA 59A, Section 9.5)	<b>Sat +</b>	<b>Sat</b>	<b>Concern</b>	<b>Unsat</b>	<b>NA</b>	<b>NC</b>

<b>Notes</b>
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**30. Protective Clothing (detail)** *Is protective clothing available as required by NFPA 59A, Section 9.7.1 and 9.7.2? (FS.FG.PROTCLOTHING.O) (detail)*

193.2801 (NFPA 59A, Section 9.7)	<b>Sat +</b>	<b>Sat</b>	<b>Concern</b>	<b>Unsat</b>	<b>NA</b>	<b>NC</b>

<b>Notes</b>
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**31. Entry Into Confined or Hazardous Space (detail)** *Are written practices and procedures adequately implemented for the entry of personnel into confined or hazardous spaces? (FS.FG.CONFINEDSPACE.O) (detail)*

193.2801 (NFPA 59A, Section 9.7)	<b>Sat +</b>	<b>Sat</b>	<b>Concern</b>	<b>Unsat</b>	<b>NA</b>	<b>NC</b>

<b>Notes</b>
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**32. Availability of Gas Detectors (detail)** *Are at least three portable gas detectors readily available at the plant in accordance with NFPA 59A, Section 9.7.4? (FS.FG.GASDETECTORS.O) (detail)*

193.2801 (NFPA 59A, Sections 9.7)	<b>Sat +</b>	<b>Sat</b>	<b>Concern</b>	<b>Unsat</b>	<b>NA</b>	<b>NC</b>

<b>Notes</b>
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**33. Enclosure Protection and Construction (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(d); 193.2905(e); 193.2907(a); 193.2907(b))	<b>Sat +</b>	<b>Sat</b>	<b>Concern</b>	<b>Unsat</b>	<b>NA</b>	<b>NC</b>

<b>Notes</b>
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**34. 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**

**35. Security Lighting (detail)** *Is adequate security lighting provided, where applicable?*

(FS.FG.SECURITYLIGHT.O) (detail)

193.2911

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**36. 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**

**37. 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**

**38. 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**

**PHMSA Form 4 (IA Equivalent)**  
**Standard Inspection Report of an LNG Facility**

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