Assessment and Repair - Integrity Assessment Via Pressure Test

1. Test Acceptance Criteria and Procedures (detail) *Were test acceptance criteria and procedures sufficient to assure the basis for an acceptable pressure test?* (AR.PTI.PRESSTESTACCEP.P) (detail)

192.503(a) (192.503(b); 192.503(c); 192.503(d); 192.505(a); 192.505(b); 192.505(c); 192.505(d); 192.505(e); 192.507(a); 192.507(b); 192.507(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Repair Methods and Practices

1. Safety While Making Repairs (detail) *Does the process ensure that repairs are made in a safe manner and are made so as to prevent damage to persons and property?* (AR.RMP.SAFETY.P) (detail)

192.605(b)(9) (192.713(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Prevention of Accidental Ignition (detail) *Perform observations of selected locations to verify that adequate steps have been taken by the operator to minimize the potential for accidental ignition.* (AR.RMP.IGNITION.O) (detail)

192.751(a) (192.751(b); 192.751(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Tapping Pipelines Under Pressure (detail) *Is the process adequate for tapping pipelines under pressure?* (AR.RMP.HOTTAP.P) (detail)

192.605(b)(1) (192.627)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Transmission Lines Permanent Field Repair of Defects (detail) *Is the process adequate for the permanent field repair of defects in transmission lines?* (AR.RMP.FIELDREPAIRDEFECT.P) (detail)

192.605(b)(1) (192.713(a); 192.713(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Transmission Lines Permanent Field Repair of Welds (detail) *Is the process adequate for the permanent field repair of welds?* (AR.RMP.FIELDREPAIRWELDS.P) (detail)

192.605(b) (192.715(a); 192.715(b); 192.715(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Transmission Lines Permanent Field Repair of Leaks (detail) *Is there an adequate process for the permanent field repair of leaks on transmission lines?* (AR.RMP.FIELDREPAIRLEAK.P) (detail)

192.605(b) (192.717(a); 192.717(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Transmission Lines Testing of Repairs (detail) *Is the process adequate for the testing of replacement pipe and repairs made by welding on transmission lines?* (AR.RMP.WELDTEST.P) (detail)

192.605(b) (197.719(a); 197.719(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Test Reinstated Service Lines (detail) *Is the process adequate for the testing of disconnected service lines?* (AR.RMP.TESTREINSTATE.P) (detail)

192.605(b) (197.725(a); 197.725(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Test Reinstated Service Lines (detail) *From the review of records, did the operator properly test disconnected service lines?* (AR.RMP.TESTREINSTATE.R) (detail)

192.603(b) (192.725(a), 192.725(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Transmission Lines Testing of Repairs (detail) *Does the operator properly test replacement pipe and repairs made by welding on transmission lines?* (AR.RMP.WELDTEST.O) (detail)

192.719(a) (192.719(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Repair Criteria (O and M)

1. Repair of Corroded Pipe (detail) *Does the process give sufficient guidance for personnel to repair or replace pipe that has corroded to an extent that there is no longer sufficient remaining strength in the pipe wall?* (AR.RCOM.REPAIR.P) (detail)

192.491(c) (192.485(a); 192.485(b); 192.487(a); 192.487(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Construction

1. Plastic Pipe Joints (detail) *Does the process require plastic pipe joints to be designed and installed in accordance with 192.281?* (DC.CO.PLASTICJOINT.P) (detail)

192.303 (192.273(b); 192.281(a); 192.281(b); 192.281(c); 192.281(d); 192.281(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Plastic pipe - Qualifying Joining Procedures (detail) *Does the process require plastic pipe joining procedures to be qualified in accordance with §192.283, prior to making plastic pipe joints?* (DC.CO.PLASTICJOINTPROCEDURE.P) (detail)

192.273(b) (192.283(a); 192.283(b); 192.283(c); 192.283(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Plastic pipe - Qualifying Joining Procedures (detail) *Have plastic pipe joining procedures been qualified in accordance with 192.283?* (DC.CO.PLASTICJOINTPROCEDURE.R) (detail)

192.273(b) (192.283(a); 192.283(b); 192.283(c); 192.283(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Plastic pipe - Qualifying Joining Procedures (detail) *Is a process in place to ensure that personnel making joints in plastic pipelines are qualified?* (DC.CO.PLASTICJOINTQUAL.P) (detail)

192.285(d) (192.285(a); 192.285(b); 192.285(c); 192.805)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Plastic pipe - Qualifying Joining Procedures (detail) *Do records indicate persons making joints in plastic pipelines are qualified in accordance with 192.285?* (DC.CO.PLASTICJOINTQUAL.R) (detail)

192.285(d) (192.285(a); 192.285(b); 192.285(c); 192.807(a); 192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Qualification of Personnel Inspecting Joints in Plastic Pipelines (detail) *Is a process in place to assure that persons who inspect joints in plastic pipes are qualified?* (DC.CO.PLASTICJOINTINSP.P) (detail)

192.287 (192.805(h))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Qualification of Personnel Inspecting Joints in Plastic Pipelines (detail) *Do records indicate persons inspecting the making of plastic pipe joints have been qualified?* (DC.CO.PLASTICJOINTINSP.R) (detail)

192.287 (192.807(a); 192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Underground Clearance (detail) *Do records indicate pipe is installed with clearances in accordance with 192.325, and (if plastic) installed as to prevent heat damage to the pipe?* (DC.CO.CLEAR.R) (detail)

192.325(a) (192.325(b); 192.325(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Depth of Cover - Onshore (detail) *Is onshore piping minimum cover as specified in 192.327?* (DC.CO.COVER.R) (detail)

192.327(a) (192.327(b); 192.327(c), 192.327(d); 192.327(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Design of Pipe Components

1. Transmission Line Valve Spacing (detail) *Are transmission line valves being installed as required of 192.179?* (DC.DPC.VALVESPACE.O) (detail)

192.141 (192.179(a); 192.179(b); 192.179(c); 192.179(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Internal Corrosion Control: Design and Construction (192.476) (detail) *Does the process require that the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of §192.476?* (DC.DPC.INTCORRODE.P) (detail)

192.453 (192.476(a); 192.476(b); 192.476(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Internal Corrosion Control: Design and Construction (192.476) (detail) *Do records demonstrate the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of 192.476?* (DC.DPC.INTCORRODE.R) (detail)

192.476(a) (192.476(b); 192.476(c); .476(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Internal Corrosion Control: Design and Construction (192.476) (detail) *Does the transmission project's design and construction comply with 192.476?* (DC.DPC.INTCORRODE.O) (detail)

192.476(a) (192.476(b); 192.476(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Maintenance and Operations

1. Start-Stop Procedures (detail) *During startup or shut-in, is it assured that the pressure limitations on the pipeline were not exceeded?* (DC.MO.MAOPLIMIT.O) (detail)

192.605(b)(5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Pressure Testing

1. General - Testing Requirements (detail) *Do records indicate that pressure testing is conducted in accordance with 192.503?* (DC.PT.PRESSTEST.R) (detail)

192.503(a) (192.503(b); 192.503(c); 192.503(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Strength Test Requirements for SMYS > 30%. (detail) *Is pressure testing conducted in accordance with 192.505?* (DC.PT.PRESSTESTHIGHSTRESS.R) (detail)

192.517(a) (192.505(a); 192.505(b); 192.505(c); 192.505(d); 192.505(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Test Requirements for Plastic Pipe (detail) *Do records indicate that pressure testing is conducted in accordance with 192.513?* (DC.PT.PRESSTESTPLASTIC.R) (detail)

192.517(a) (192.513(a); 192.513(b); 192.513(c); 192.513(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Compressor Station Construction

1. Compressor stations - Storage of Combustible Materials (detail) *Does the process include requirements for the storage of flammable/combustible materials and specify that aboveground oil or gasoline storage tanks being installed at compressor stations be protected in accordance with NFPA No. 30, as required of §192.735(b)?* (DC.COCMP.CMPCOMBUSTIBLE.P) (detail)

192.303 (192.735(a); 192.735(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Compressor stations - Storage of Combustible Materials (detail) *Are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)?* (DC.COCMP.CMPCOMBUSTIBLE.O) (detail)

192.735(a) (192.735(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Construction Welding Procedures

1. Welding Procedures (detail) *Does the process require welding to be performed by qualified welders using qualified welding procedures and are welding procedures and qualifying tests required to be recorded in detail?* (DC.WELDPROCEDURE.WELD.P) (detail)

192.225(a) (192.225(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Welding Procedures (detail) *Do records indicate weld procedures are being qualified in accordance with 192.225?* (DC.WELDPROCEDURE.WELD.R) (detail)

192.225(a) (192.225(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Welding Weather (detail) *Does the process require welding to be protected from weather conditions that would impair the quality of the completed weld?* (DC.WELDPROCEDURE.WELDWEATHER.P) (detail)

192.303 (192.231)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Miter joints (detail) *Does the process prohibit the use of certain miter joints?* (DC.WELDPROCEDURE.MITERJOINT.P) (detail)

192.303 (192.233(a); 192.233(b); 192.233(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Preparation for Welding (detail) *Does the process require certain preparations for welding, in accordance with §192.235?* (DC.WELDPROCEDURE.WELDPREP.P) (detail)

192.303 (192.235)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Construction Welder Qualification

1. Limitations on Welders (detail) *Does the process require certain limitations be placed on welders?* (DC.WELDERQUAL.WELDERLIMITNDT.P) (detail)

192.303 (192.229(a); 192.229(b); 192.229(c); 192.229(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Construction Weld Inspection

1. Inspection and Test of Welds (detail) *Does the process require visual inspections of welds to be conducted by qualified inspectors?* (DC.WELDINSP.WELDVISUALQUAL.P) (detail)

192.303 (192.241(a); 192.241(b); 192.241(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Inspection and Test of Welds (detail) *Do records indicate that individuals who perform visual inspection of welding are qualified by appropriate training and experience, as required by §192.241(a)?* (DC.WELDINSP.WELDVISUALQUAL.R) (detail)

192.241(a) (192.241(b); 192.241(c); 192.807(a); 192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Nondestructive Test and Interpretation Procedures (detail) *Is there a process for nondestructive testing and interpretation?* (DC.WELDINSP.WELDNDT.P) (detail)

192.243(a) (192.243(b); 192.243(c); 192.243(d); 192.243(e).)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Nondestructive Test and Interpretation Procedures (detail) *Do records indicate that NDT implementation is adequate?* (DC.WELDINSP.WELDNDT.R) (detail)

192.243(a) (192.243(b)(1); 192.243(b)(2); 192.243(c); 192.243(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Repair or Removal of Weld Defects (detail) *Does the process require welds that are unacceptable to be removed and/or repaired as specified by 192.245?* (DC.WELDINSP.WELDREPAIR.P) (detail)

192.303 (192.245(a); 192.245(b); 192.245(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Design of Pipe - Compressor Stations

1. Compressor stations Liquid Removal (detail) *Are compressors protected from liquids and, as applicable, liquid separators for compressors installed, in accordance with 192.165?* (DC.DPCCMP.CMPLIQPROT.O) (detail)

192.141 (192.165(a); 192.615(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Pressure Testing - Low Pressure

1. Strength Test Duration Requirements for SMYS < 30% (detail) *Do records indicate that pressure testing is conducted in accordance with 192.507?* (DC.PTLOWPRESS.PRESSTESTLOWSTRESS.R) (detail)

192.517(a) (192.507(a); 192.507(b); 192.507(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Strength Test Requirements for Operations < 100 psig (detail) *Do records indicate that pressure testing is conducted in accordance with 192.509(a)?* (DC.PTLOWPRESS.PRESSTEST100PSIG.R) (detail)

192.517(a) (192.509(a); 192.509(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Emergency Preparedness and Response - Emergency Response

1. Receiving Notices (detail) *Does the emergency plan include procedures for receiving, identifying, and classifying notices of events which need immediate response?* (EP.ERG.NOTICES.P) (detail)

192.615(a)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Emergency Response Communication (detail) *Does the emergency plan include procedures for establishing and maintaining adequate means of communication with appropriate fire, police, and other public officials?* (EP.ERG.COMMSYS.P) (detail)

192.615(a) (192.615(a)(2))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

*** 3. Emergency Response (detail)** *Does the emergency plan include procedures for making a prompt and effective response to a notice of each type of emergency, including gas detected inside or near a building, a fire or explosion near or directly involving a pipeline facility, or a natural disaster?* (EP.ERG.RESPONSE.P) (detail)

192.615(a) (192.615(a)(3); 192.615(a)(11); 192.615(b)(1))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Emergency Response (detail) *Does the process include procedures for ensuring the availability of personnel, equipment, tools, and materials as needed at the scene of an emergency?* (EP.ERG.READINESS.P) (detail)

192.615(a) (192.615(a)(4))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Emergency Response - Actions (detail) *Does the emergency plan include procedures for taking actions directed toward protecting people first and then property?* (EP.ERG.PUBLICPRIORITY.P) (detail)

192.615(a) (192.615(a)(5))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Emergency Response (detail) *Does the emergency plan include procedures for the emergency shutdown or pressure reduction in any section of pipeline system necessary to minimize hazards to life or property?* (EP.ERG.PRESSREDUCESD.P) (detail)

192.615(a) (192.615(a)(6))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Emergency Response - Hazards (detail) *Does the emergency plan include procedures for making safe any actual or potential hazard to life or property?* (EP.ERG.PUBLICHAZ.P) (detail)

192.605(a) (192.615(a)(7))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Public Official Notification (detail) *Does the emergency plan include procedures for notifying appropriate public officials of gas pipeline emergencies and coordinating with them both planned responses and actual responses during an emergency?* (EP.ERG.AUTHORITIES.P) (detail)

192.615(a) (192.615(a)(8))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Service Outage Restoration (detail) *Does the emergency plan include procedures for safely restoring any service outage?* (EP.ERG.OUTAGERESTORE.P) (detail)

192.615(a) (192.615(a)(9))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Incident Investigation Actions (detail) *Does the process include procedures for beginning action under §192.617, if applicable, as soon after the end of the emergency as possible?* (EP.ERG.INCIDENTACTIONS.P) (detail)

192.615(a) (192.615(a)(10))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Incident Investigation (detail) *Does the process include procedures for analyzing accidents and failures, including the selection of samples of the failed facility or equipment for laboratory examination, where appropriate, for the purpose of determining the causes of the failure and minimizing the possibility of recurrence?* (EP.ERG.INCIDENTANALYSIS.P) (detail)

192.617	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Incident Investigation (detail) *Do records indicate actions initiated to analyze accidents and failures, including the collection of appropriate samples for laboratory examination to determine the causes of the failure and minimize the possibility of recurrence, in accordance with its procedures?* (EP.ERG.INCIDENTANALYSIS.R) (detail)

192.605(a) (192.617)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Emergency Response Training (detail) *Does the process include training of the appropriate operating personnel to assure they are knowledgeable of the emergency procedures and verifying that the training is effective?* (EP.ERG.TRAINING.P) (detail)

192.615(b)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Emergency Response Training (detail) *Has the operator trained the appropriate operating personnel on emergency procedures and verified that the training was effective in accordance with its procedures?* (EP.ERG.TRAINING.R) (detail)

192.605(a) (192.615(b)(2))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Emergency Response Performance (detail) *Does the process include detailed steps for reviewing employee activities to determine whether the procedures were effectively followed in each emergency?* (EP.ERG.POSTEVNTREVIEW.P) (detail)

192.615(b)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Emergency Response Performance (detail) *Do records indicate review of employee activities to determine whether the procedures were effectively followed in each emergency?* (EP.ERG.POSTEVNTREVIEW.R) (detail)

192.605(a) (192.615(b)(1); 192.615(b)(3))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Liaison with Public Officials (detail) *Does the process include steps for establishing and maintaining liaison with appropriate fire, police and other public officials and utility owners?* (EP.ERG.LIAISON.P) (detail)

192.615(c) (192.615(c)(1); 192.615(c)(2); 192.615(c)(3); 192.615(c)(4); ADB-05-03)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Liaison with Public Officials (detail) *Do records indicate liaisons established and maintained with appropriate fire, police and other public officials and utility owners in accordance with procedures?* (EP.ERG.LIAISON.R) (detail)

192.605(a) (192.615(c)(1); 192.615(c)(2); 192.615(c)(3); 192.615(c)(4); ADB-05-03)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Facilities and Storage - Compressor Stations

1. Compressor Station Design/Construction - Exits (detail) *Does each main compressor building operating floor have at least two separated, easily accessed and unobstructed exits to a place of safety, main compressor building exits that have door latches that can be readily opened without a key, and main compressor building exit doors mounted to swing outward?* (FS.CS.BLDGEXITS.O) (detail)

192.163(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Compressor Station Design/Construction - Fence Gates (detail) *Do fenced areas around compressor stations have at least two gates that provide for easy escape to place of safety, and do gates located within 200 feet of any compressor plant open outward and able to be opened from the inside without a key when the station is occupied?* (FS.CS.FENCEGATES.O) (detail)

192.163(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Compressor Station Design/Construction - NFPA 70 (detail) *Are the proper permits and approvals authorized under NFPA 70 posted or otherwise located at the compressor station?* (FS.CS.CMPNFPA70.O) (detail)

192.163(e)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Compressor Station Design/Construction - Ventilation (detail) *Are compressor station buildings ventilated to ensure employees are not endangered by accumulation of gas in enclosed areas?* (FS.CS.CMPBLDGVENT.O) (detail)

192.173	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Compressor Station - Emergency Response Plan (detail) *Are emergency response plans for selected compressor stations kept on site?* (FS.CS.CMPERP.O) (detail)

192.605(a) (192.615(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Compressor Station Design/Construction - Start-Up and Shut-Down (detail) *Does the process for start-up and shut-down have sufficient detail to ensure start-up and shut-down of compressor units in a manner designed to assure operation within the MAOP limits prescribed by this part, plus the build-up allowed for operation of pressure-limiting and control devices?* (FS.CS.CMPSUSD.P) (detail)

192.605(b)(5) (192.605(b)(7))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Compressor Station Design/Construction - Maintenance (detail) *Does the process have sufficient detail for maintaining compressor stations, including provisions for isolating units or sections of pipe and for purging before returning to service?* (FS.CS.CMPMAINT.P) (detail)

192.605(b)(6)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Facilities and Storage - Facilities General

1. Abandonment or Deactivation of Pipe and Facilities (detail) *Does the process include procedures for the abandonment and deactivation of pipelines that are in accordance with 192.727?* (MO.GM.ABANDONPIPE.P) (detail)

192.605(b)(1) (192.727(a); 192.727(b); 192.727(c); 192.727(d); 192.727(e); 192.727(f); 192.727(g))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Vault Inspection (detail) *Does the process provide adequate direction for inspecting vaults having a volumetric internal content of 200 cubic feet (5.66 cubic meters) or more that house pressure regulating/limiting equipment and are inspections to be performed at the required interval?* (FS.FG.VAULTINSPECTFAC.P) (detail)

192.605(b)(1) (192.749(a); 192.749(b); 192.749(c); 192.749(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Vault Inspection (detail) *Do records document inspections at the required interval of all vaults having a volumetric internal content of 200 cubic feet (5.66 cubic meters) or more that house pressure regulating/limiting equipment?* (FS.FG.VAULTINSPECTFAC.R) (detail)

192.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Facilities and Storage - Compressor Station System Protection

1. Compressor Station Design/Construction - ESD Gas Block (detail) *Does each compressor station have an emergency shutdown system that is capable of blocking gas out of the station and blow down the station piping? NOTE: Not required for field compressor stations of 1,000 horsepower (746 kilowatts) or less.* (FS.CSSYSPROT.ESDGASBLK.O) (detail)

192.167(a)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Compressor Station Design/Construction - ESD Gas Discharge (detail) *Does each compressor station have an emergency shutdown system that is capable of safely discharging blowdown gas from the blowdown piping at a location where the gas will not create a hazard?* (FS.CSSYSPROT.ESDGASDISCH.O) (detail)

192.167(a)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Compressor Station Design/Construction - ESD (detail) *Does each compressor station have an emergency shutdown system that is capable of shutting down gas compressing equipment and gas fires in the vicinity of gas headers and compressor buildings?* (FS.CSSYSPROT.ESDGASSD.O) (detail)

192.167(a)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Compressor Station Design/Construction - ESD Electrical (detail) *Does each compressor station have an emergency shutdown system that is capable of shutting down electrical facilities (except emergency and equipment protection circuits) near gas headers and within compressor buildings?* (FS.CSSYSPROT.ESDELECSD.O) (detail)

192.167(a)(3)(i) (192.167(a)(3)(ii))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Compressor Station Design/Construction - ESD Locations (detail) *Does each compressor station have an emergency shutdown system that is capable of being operated from at least two locations which are: 1) Outside the gas area of the station, 2) Near the exit gates, if the station is fenced, or near emergency exits, if not fenced, 3) And not more than 500 feet (153 meters) from the limits of the station?* (FS.CSSYSPROT.ESDLOCATION.O) (detail)

192.167(a)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Compressor Station Design/Construction - Distribution Supply ESD (detail) *Does each compressor station that supplies gas directly to a distribution system (with no other adequate sources of gas available) have an emergency shutdown system that will not function at the wrong time or cause unintended outages?* (FS.CSSYSPROT.ESDDISTSD.O) (detail)

192.167(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Compressor Station Design/Construction - Unattended Platform ESD (detail) *Does each unattended platform compressor station located offshore or in inland navigable waters have an emergency shutdown system that will actuate automatically in the event of the following occurrences? 1) When gas pressure equals the MAOP plus 15 percent and, 2) When an uncontrolled fire occurs on the platform.* (FS.CSSYSPROT.UNATTPLATCMPSD.O) (detail)

192.167(c)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Compressor Station Design/Construction - Fire Protection (detail) *Do compressor stations have adequate fire protection facilities?* (FS.CSSYSPROT.CMPFP.O) (detail)

192.171(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Compressor Station Design/Construction - Over-Speed Protection (detail) *Do compressor stations' prime movers other than electrical induction or synchronous motors have automatic shutdown devices that will prevent over-speed of the prime mover or the unit being driven?* (FS.CSSYSPROT.CMPOVSPD.O) (detail)

192.171(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Compressor Station Design/Construction - Lubrication (detail) *Do compressor units have shutdown or alarm devices that will operate in the event of inadequate heating or lubrication?* (FS.CSSYSPROT.CMPLUBPROT.O) (detail)

192.171(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Compressor Station Design/Construction - Gas Engine Shutdown (detail) *Are compressor station gas engines that operate with pressure gas injection equipped so that stoppage of the engine will result in the fuel being automatically shut off and the engine distribution manifold being vented?* (FS.CSSYSPROT.CMPGASENGSD.O) (detail)

192.171(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Compressor Station Design/Construction - Gas Engine Mufflers (detail) *Are gas engines in compressor stations equipped with mufflers that prevent gas from being trapped in the muffler?* (FS.CSSYSPROT.CMPGASENGMFL.O) (detail)

192.171(e)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Compressor Station Design/Construction - Pressure Relief (detail) *Does the process provide adequate detail for inspection and testing of compressor station pressure relief devices with the exception of rupture disks?* (FS.CSSYSPROT.CMPRELIEF.P) (detail)

192.605(b)(1) (192.731(a); 192.731(b); 192.731(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Compressor Station Design/Construction - Pressure Relief (detail) *Do records document with adequate detail that all inspection and testing of compressor station pressure relief devices with the exception of rupture disks have occurred at the required interval?* (FS.CSSYSPROT.CMPRELIEF.R) (detail)

192.709(b) (192.709(c); 192.731(a); 192.731(b); 192.731(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Compressor Station Design/Construction - Pressure Relief (detail) *Are pressure relief/limiting devices inside a compressor station designed, installed, and inspected properly?* (FS.CSSYSPROT.CMPRELIEF.O) (detail)

192.199 (192.731(a); 192.731(b); 192.731(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Compressor Station Design/Construction - Permanent Gas Detection (detail) *Does the process adequately detail requirements of permanent gas detectors and alarms at compressor buildings?* (FS.CSSYSPROT.CMPGASDETREQ.P) (detail)

192.605(b) (192.736(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Compressor Station Design/Construction - Gas Detection (detail) *Do records document that all compressor station gas detection and alarm systems are being maintained and tested as required?* (FS.CSSYSPROT.CMPGASDETOM.R) (detail)

192.709(c) (192.736(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Compressor Station Gas Detection (detail) *Have adequate gas detection and alarm systems been installed in selected applicable compressor buildings?* (FS.CSSYSPROT.CMPGASDET.O) (detail)

192.736(a) (192.736(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Gas Distribution Integrity Management - Plan Implementation

1. Plan Implementation - Implement Date (detail) *Was the plan written and implemented per the requirement of 192.1005 by 08/02/2011?* (GDIM.QA.PLANIMPLEMENT.P) (detail)

192.1005	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Plan Implementation - Data Sources (detail) *Do the procedures identify or reference the appropriate sources used to determine certain characteristics (e.g., Design, Operating Conditions, Operating Environmental Factors) necessary to assess the threats and risks to the pipeline?* (GDIM.RA.SOURCES.P) (detail)

192.1007(a)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Gas Distribution Integrity Management - Knowledge of the System

1. System Knowledge - Information Considered (detail) *Do the procedures require the consideration of information gained from past design, operations, and maintenance (e.g. O&M activities, field surveys, One-Call system information, excavation damage, etc.)?* (GDIM.RA.INFORMATION.P) (detail)

192.1007(a)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. System Knowledge - Gaps (detail) *Does the plan contain procedures to identify additional information that is needed to fill gaps due to missing, inaccurate, or incomplete records?* (GDIM.RA.GAPS.P) (detail)

192.1007(a)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. System Knowledge - Information Needed (detail) *Do the procedures specify the means to collect the additional information needed to fill gaps due to missing, inaccurate, or incomplete records (e.g., O&M activities, field surveys, One-Call System, etc.)?* (GDIM.RA.INFONEEDS.P) (detail)

192.1007(a)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. System Knowledge - Information Needed (detail) *Does the plan list the additional information needed to fill gaps due to missing, inaccurate, or incomplete records?* (GDIM.RA.INFONEEDS.R) (detail)

192.1007(a)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. System Knowledge - New Pipe Data (detail) *Do the procedures require the capture and retention of data on any new pipeline installed?* (GDIM.RA.NEWPIPEDATA.P) (detail)

192.1007(a)(5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. System Knowledge - New Pipe Data (detail) *Does the data required for capture and retention include, at a minimum, the location where the new pipeline is installed and the material from which it is constructed?* (GDIM.RA.NEWPIPEDATA.R) (detail)

192.1007(a)(5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. System Knowledge - Implementation (detail) *Do records demonstrate implementation of the element "Knowledge of the System"?* (GDIM.RA.DEMOKNOWLEDGE.R) (detail)

192.1007(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. System Knowledge - Understanding (detail) *Has the operator demonstrated an adequate understanding of the system?* (GDIM.RA.DEMOUNDERSTANDING.R) (detail)

192.1007(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Gas Distribution Integrity Management - Identify Threats

1. Identify Threats - Threats Considered (detail) *In identifying threats, do the procedures include consideration of all of the required threat categories to each gas distribution pipeline?* (GDIM.RA.THREATCATEGORIES.P) (detail)

192.1007(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Identify Threats - Information Considered (detail) *Did the operator consider the information that was reasonably available to identify existing and potential threats?* (GDIM.RA.INFOCONSIDERED.P) (detail)

192.1007(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Identify Threats - Information Considered (detail) *In identifying threats did the information considered include all of the required data and information sources?* (GDIM.RA.INFOCONSIDERED.R) (detail)

192.1007(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Identify Threats - Outside Sources (detail) *Do the procedures consider, in addition to the operator's own information, data from external sources (e.g. trade associations, government agencies, or other system operators, etc.) to assist in identifying potential threats?* (GDIM.RA.OUTSIDESOURCES.P) (detail)

192.1007(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Identify Threats - Implementation (detail) *Do records demonstrate implementation of the element "Identify Threats"?* (GDIM.RA.IMPLEMENTTH.R) (detail)

192.1007(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Gas Distribution Integrity Management - Evaluate and Rank Risk

1. Rank Risk - Methodology (detail) *Do the procedures contain the method(s) used to determine the relative importance of each threat and estimate and rank the risks posed?* (GDIM.RA.RISKRANKING.P) (detail)

192.1007(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Rank Risk - Threats Considered (detail) *Do the procedures to evaluate and rank risk consider each applicable current and potential threat?* (GDIM.RA.THREATSCONSIDERED.P) (detail)

192.1007(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Rank Risk - Likelihood (detail) *Do the procedures to evaluate and rank risk consider the likelihood of failure associated with each threat?* (GDIM.RA.LIKELIHOOD.P) (detail)

192.1007(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Rank Risk - Consequences (detail) *Do the procedures to evaluate and rank risk consider the potential consequence of failure for all applicable threats?* (GDIM.RA.CONSEQUENCE.P) (detail)

192.1007(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Rank Risk System Subdivision (detail) *If subdivision of system occurs, does the plan subdivide the system into regions with similar characteristics and for which similar actions are likely to be effective in reducing risk?* (GDIM.RA.SUBDIVIDE.R) (detail)

192.1007(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Rank Risk - Results (detail) *Are the results of the risk ranking supported by the risk evaluation model/method?* (GDIM.RA.RESULTS.R) (detail)

192.1007(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Rank Risk - Validation (detail) *Did the operator validate the results generated by the risk evaluation model/method?* (GDIM.RA.RESULTSVALIDATION.R) (detail)

192.1007(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Rank Risk - Implementation (detail) *Do records demonstrate implementation of the element "Evaluate and Rank Risk"?* (GDIM.RA.IMPLEMENTRR.R) (detail)

192.1007(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Gas Distribution Integrity Management - Identify and Implement Measures to Reduce Risk

1. Measures to Reduce Risk - Identification (detail) *Does the plan include procedures to identify when measures, beyond minimum code requirements specified outside of Part 192 Subpart P, are required to reduce risk?* (GDIM.PM.IDENTIFYMEASURES.P) (detail)

192.1007(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Measures to Reduce Risk - Identification (detail) *When measures, beyond minimum code requirements specified outside of Part 192 Subpart P, are required to reduce risk, does the plan identify the measures selected, how they will be implemented, and the risks they are addressing?* (GDIM.PM.IDENTIFYMEASURES.R) (detail)

192.1007(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Measures to Reduce Risk - Leak Management (detail) *Does the plan include an effective leak management program (unless all leaks are repaired when found)?* (GDIM.PM.LEAKMANAGEMENT.P) (detail)

192.1007(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Measures to Reduce Risk - Implementation (detail) *Do records demonstrate implementation of the measures, required by Part 192 Subpart P, to reduce risk?* (GDIM.PM.IMPLEMENTPM.R) (detail)

192.1007(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Gas Distribution Integrity Management - Measure Performance and Evaluate Effectiveness

1. Measure Performance - Baseline (detail) *Does the plan contain procedures for how the operator established a baseline for each performance measure?* (GDIM.QA.PERFMEASUREBASELINE.P) (detail)

192.1007(e)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Measure Performance - Baseline (detail) *Does the plan establish a baseline for each performance measure?* (GDIM.QA.PERFMEASUREBASELINE.R) (detail)

192.1007(e)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Measure Performance - Data Collection (detail) *Does the operator have procedures to collect the data for each performance measure?* (GDIM.QA.PERFMEASUREDATA.P) (detail)

192.1007(e)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Measure Performance - Monitoring (detail) *Do the procedures require the operator to monitor each performance measure?* (GDIM.QA.PERFMEASUREMONITOR.P) (detail)

192.1007(e)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Measure Performance -Measure Effectiveness (detail) *When measures are required to reduce risk, do the procedures provide how their effectiveness will be measured?* (GDIM.QA.MEASUREEFFECTIVENESS.P) (detail)

192.1007(e)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Measure Performance - Implementation (detail) *Do records demonstrate implementation of the element "Measure Performance, Monitor Results, and Evaluate Effectiveness"?* (GDIM.QA.IMPLEMENTEV.R) (detail)

192.1007(e)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Gas Distribution Integrity Management - Periodic Evaluation and Improvement

1. Periodic Evaluation - Requirements (detail) *Do the procedures for periodic evaluation include all of the requirements of 192.1007(f)?* (GDIM.CA.PERIODICEVALUATION.P) (detail)

192.1007(f)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Periodic Evaluation - Implementation (detail) *Do records demonstrate implementation of the element "Periodic Evaluation and Improvement"?* (GDIM.CA.PERIODICEVALUATION.R) (detail)

192.1007(f)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Gas Distribution Integrity Management - Report Results

1. Report Results - Performance Measures (detail) *Does the plan contain or reference procedures for reporting, on an annual basis, the four measures listed in 192.1007(e)(1)(i) through (e)(1)(iv) to PHMSA as part of the annual report required by 191.11 and the State regulatory authority?* (GDIM.RR.ANNUALREPORT.P) (detail)

192.1007(g)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Report Results - Submittal (detail) *Has the operator submitted the required reports?* (GDIM.RR.SUBMITREPORTS.R) (detail)

192.1007(g)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Gas Distribution Integrity Management - Report Mechanical Fitting Failures

1. Mechanical Fitting Failures - Information Collection (detail) *Are there procedures to collect information necessary to comply with the reporting requirements of 192.1009?* (GDIM.RR.MECHANICALFITTINGS.P) (detail)

192.1009	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Gas Distribution Integrity Management - Records Required to be Kept

1. Records - Requirements (detail) *Are there procedures specifying which records demonstrating compliance with Subpart P will be maintained for at least 10 years?* (GDIM.QA.RECORDREQUIREMENTS.P) (detail)

192.1011	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Records - IM Plans (detail) *Are there procedures specifying that copies of superseded integrity management plans will be maintained for at least 10 years?* (GDIM.QA.PLANRETENTION.P) (detail)

192.1011	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Records - Implementation (detail) *Has the operator maintained the required records?* (GDIM.QA.RECORDREQUIREMENTS.R) (detail)

192.1011	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Gas Pipeline Maintenance

1. Abandonment or Deactivation of Pipe and Facilities (detail) *Does the process include procedures for the abandonment and deactivation of pipelines that are in accordance with 192.727?* (MO.GM.ABANDONPIPE.P) (detail)

192.605(b)(1) (192.727(a); 192.727(b); 192.727(c); 192.727(d); 192.727(e); 192.727(f); 192.727(g))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Abandonment or Deactivation of Pipeline and Facilities (detail) *Do records indicate pipelines were abandoned or deactivated as required?* (MO.GM.ABANDONPIPE.R) (detail)

192.709(c) (192.727(a); 192.727(b); 192.727(c); 192.727(d); 192.727(e); 192.727(f); 192.727(g))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Prevention of Accidental Ignition (detail) *Does the manual include procedures for minimizing the danger of accidental ignition where gas constitutes a hazard of fire or explosion?* (MO.GM.IGNITION.P) (detail)

192.605(b)(1) (192.751(a); 192.751(b); 192.751(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Prevention of Accidental Ignition (detail) *Do records indicate personnel followed procedures for minimizing the danger of accidental ignition where the presence of gas constituted a hazard of fire or explosion?* (MO.GM.IGNITION.R) (detail)

192.709 (192.751(a); 192.751(b); 192.751(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Transmission Lines Record Keeping (detail) *Does the process include a requirement that the operator maintain a record of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?* (MO.GM.RECORDS.P) (detail)

192.605(b)(1) (192.709(a); 192.709(b); 192.709(c); 192.743(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Transmission Lines Record Keeping (detail) *Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?* (MO.GM.RECORDS.R) (detail)

192.605(b)(1) (192.243(f); 192.709(a); 192.709(b); 192.709(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Valve Maintenance Transmission Lines (detail) *Does the process include procedures for inspecting and partially operating each transmission line valve that might be required in an emergency at intervals not exceeding 15 months, but at least once each calendar year and for taking prompt remedial action to correct any valve found inoperable?* (MO.GM.VALVEINSPECT.P) (detail)

192.605(b)(1) (192.745(a); 192.745(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Valve Maintenance Transmission Lines (detail) *Do records indicate proper inspection and partial operation of transmission line valves that may be required during an emergency as required and prompt remedial actions taken if necessary?* (MO.GM.VALVEINSPECT.R) (detail)

192.709(c) (192.745(a); 192.745(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Valve Maintenance Transmission Lines (detail) *Are field inspection and partial operation of transmission line valves adequate?* (MO.GM.VALVEINSPECT.O) (detail)

192.745(a) (192.745(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Valve Maintenance Distribution Lines (detail) *Does the process include procedures for inspecting and partially operating each distribution system valve that might be required in an emergency at intervals not exceeding 15 months, but at least once each calendar year and for taking prompt remedial action to correct any valve found inoperable?* (MO.GM.DISTVALVEINSPECT.P) (detail)

192.605(b)(1) (192.747(a); 192.747(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Valve Maintenance Distribution Lines (detail) *Do records indicate proper inspection and partial operation of each distribution system valve that might be required in an emergency at intervals not exceeding 15 months, but at least once each calendar year, and prompt remedial action to correct any valve found inoperable?* (MO.GM.DISTVALVEINSPECT.R) (detail)

192.603(b) (192.747)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Bell and Spigot Joints (detail) *Does the process require that caulked bell and spigot joints be correctly sealed?* (MO.GM.BELLSPIGOTJOINT.P) (detail)

192.753(a) (192.753(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Bell and Spigot Joints (detail) *Do records indicate that caulked bell and spigot joints were correctly sealed?* (MO.GM.BELLSPIGOTJOINT.R) (detail)

192.603(b) (192.753(a); 192.753(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Protecting Cast-Iron Pipeline (detail) *Does the process require adequate protection for segments of a buried cast-iron pipeline for which support has been disturbed?* (MO.GM.CASTIRONPROTECT.P) (detail)

192.755(a) (192.755(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Holders (detail) *Does the process include systematic and routine testing and inspection of pipe-type or bottle-type holders?* (MO.GM.HOLDER.P) (detail)

192.605(a) (192.605(b)(10))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Gas Pipeline Operations

1. Continuing Surveillance (detail) *Does the process include procedures for performing continuing surveillance of pipeline facilities, and also for reconditioning, phasing out, or reducing the MAOP in a pipeline segment that is determined to be in unsatisfactory condition but on which no immediate hazard exists?* (MO.GO.CONTSURVEILLANCE.P) (detail)

192.605(e) (192.613(a); 192.613(b); 192.703(b); 192.703(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Normal Maintenance and Operations (detail) *Does the process include a requirement to review the manual at intervals not exceeding 15 months, but at least once each calendar year?* (MO.GO.OMANNUALREVIEW.P) (detail)

192.605(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Normal Maintenance and Operations (detail) *Has the operator conducted annual reviews of the written procedures in the manual as required?* (MO.GO.OMANNUALREVIEW.R) (detail)

192.605(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Normal Operations and Maintenance Procedures - Review (detail) *Does the process include requirements for periodically reviewing the work done by operator personnel to determine the effectiveness, and adequacy of the procedures used in normal operations and maintenance and modifying the procedures when deficiencies are found?* (MO.GO.OMEFFECTREVIEW.P) (detail)

192.605(a) (192.605(b)(8))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Normal Operations and Maintenance Procedures - Review (detail) *Do records indicate periodic review of the work done by operator personnel to determine the effectiveness, and adequacy of the procedures used in normal operations and maintenance and modifying the procedures when deficiencies are found?* (MO.GO.OMEFFECTREVIEW.R) (detail)

192.605(a) (192.605(b)(8))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Normal Operations and Maintenance Procedures - Review (detail) *Are operator personnel knowledgeable of the procedures used in normal operations?* (MO.GO.OMEFFECTREVIEW.O) (detail)

192.605(b)(8)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Normal Operations and Maintenance Procedures - History (detail) *Does the process include requirements for making construction records, maps and operating history available to appropriate operating personnel?* (MO.GO.OMHISTORY.P) (detail)

192.605(a) (192.605(b)(3))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Normal Operations and Maintenance Procedures - History (detail) *Are construction records, maps and operating history available to appropriate operating personnel?* (MO.GO.OMHISTORY.R) (detail)

192.605(a) (192.605(b)(3))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Normal Operations and Maintenance Procedures - History (detail) *Are construction records, maps and operating history available to appropriate operating personnel?* (MO.GO.OMHISTORY.O) (detail)

192.605(b)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Safety Related Conditions (detail) *Does the process include instructions enabling personnel who perform operation and maintenance activities to recognize conditions that may potentially be safety-related conditions?* (MO.GO.SRC.P) (detail)

192.605(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Customer Notification (detail) *Is a customer notification process in place that satisfies the requirements of 192.16?* (MO.GO.CUSTNOTIFY.P) (detail)

192.13(c) (192.16(a); 192.16(b); 192.16(c); 192.16(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Customer Notification (detail) *Do records indicate the customer notification process satisfies the requirements of 192.16?* (MO.GO.CUSTNOTIFY.R) (detail)

192.16(d) (192.16(a); 192.16(b); 192.16(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. EFV Installation (detail) *Is there an adequate excess flow valve (EFV) installation and performance program in place?* (MO.GO.EFVINSTALL.P) (detail)

192.383(b) (192.381(a); 192.381(b); 192.381(c); 192.381(d); 192.381(e); 192.383(a); 192.383(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. EFV Installation (detail) *Do records indicate the EFV program satisfies the requirements for installation and performance?* (MO.GO.EFVINSTALL.R) (detail)

192.383(b) (192.381(a); 192.381(b); 192.381(c); 192.381(d); 192.381(e); 192.383(a); 192.383(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Gas Odor Response (detail) *Does the process require prompt response to the report of a gas odor inside or near a building?* (MO.GO.ODDOR.P) (detail)

192.605(a) (192.605(b)(11))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Gas Pipeline Overpressure Protection

1. Pressure Limiting and Regulating Stations Capacity of Relief Devices (detail) *Does the process include procedures for ensuring, either by testing or a review of calculations, at intervals not exceeding 15 months, but at least once each calendar year, that the capacity of each pressure relief device at pressure limiting stations and pressure regulating stations has sufficient capacity, and for installing a new or additional device if a relief device is determined to have insufficient capacity?* (MO.GMOPP.PRESSREGCAP.P) (detail)

192.605(b)(1) (192.743(a); 192.743(b); 192.743(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Pressure Limiting and Regulating Stations Capacity of Relief Devices (detail) *Do records indicate testing or review of the capacity of each pressure relief device at each pressure limiting station and pressure regulating station as required and a new or additional device installed if determined to have insufficient capacity?* (MO.GMOPP.PRESSREGCAP.R) (detail)

192.709(c) (192.743(a); 192.743(b); 192.743(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Pressure Limiting and Regulating Stations Inspection and Testing (detail) *Does the process include procedures for inspecting and testing each pressure limiting station, relief device, and pressure regulating station and their equipment at intervals not exceeding 15 months, but at least once each calendar year as required?* (MO.GMOPP.PRESSREGTEST.P) (detail)

192.605(b)(1) (192.739(a); 192.739(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Pressure Limiting and Regulating Stations Inspection and Testing (detail) *Do records indicate inspection and testing of pressure limiting, relief devices, and pressure regulating stations as required and at the specified intervals?* (MO.GMOPP.PRESSREGTEST.R) (detail)

192.709(c) (192.739(a); 192.739(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Pressure Limiting and Regulating Stations Inspection and Testing (detail) *Are field or bench tests or inspections of regulating stations, pressure limiting stations or relief devices adequate?* (MO.GMOPP.PRESSREGTEST.O) (detail)

192.739(a) (192.739(b); 192.743)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Pressure Telemetering or Recording Gauges (detail) *Does the process require telemetering or recording gauges be utilized as required for distribution systems?* (MO.GMOPP.PRESSREGMETER.P) (detail)

192.605(b)(1) (192.741(a); 192.741(b); 192.741(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Pressure Telemetering or Recording Gauges (detail) *Are telemetering or recording gauges properly utilized as required for distribution systems?* (MO.GMOPP.PRESSREGMETER.O) (detail)

192.741(a) (192.741(b); 192.741(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Transmission Lines Record Keeping (detail) *Does the process include a requirement that the operator maintain a record of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?* (MO.GMOPP.RECORDS.P) (detail)

192.605(b)(1) (192.709(a); 192.709(b); 192.709(c); 192.743(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Transmission Lines Record Keeping (detail) *Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?* (MO.GMOPP.RECORDS.R) (detail)

192.605(b)(1) (192.243(f); 192.709(a); 192.709(b); 192.709(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Gas Pipeline Abnormal Operations

1. Abnormal Operations (Review) (detail) *Do records indicate periodic review of work done by operator personnel to determine the effectiveness of the abnormal operation procedures and corrective action taken where deficiencies are found?* (MO.GOABNORMAL.ABNORMALREVIEW.R) (detail)

192.605(a) (192.605(c)(4))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Gas Pipeline Class Location

*** 1. Change in Class Location Confirmation or Revision of MAOP (detail)** *Does the process include a requirement that the MAOP of a pipeline segment be confirmed or revised within 24 months whenever the hoop stress corresponding to the established MAOP is determined not to be commensurate with the existing class location?* (MO.GOCLASS.CLASSLOCATEREV.P) (detail)

192.605(b)(1) (192.611(a); 192.611(b); 192.611(c); 192.611(d))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

2. Change in Class Location Required Study (detail) *Does the process include a requirement that the operator conduct a study whenever an increase in population density indicates a change in the class location of a pipeline segment operating at a hoop stress that is more than 40% SMYS?* (MO.GOCLASS.CLASSLOCATESTUDY.P) (detail)

192.605(b)(1) (192.609(a); 192.609(b); 192.609(c); 192.609(d); 192.609(e); 192.609(f))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

3. Change in Class Location Required Study (detail) *Do records indicate performance of the required study whenever the population along a pipeline increased or there was an indication that the pipe hoop stress was not commensurate with the present class location?* (MO.GOCLASS.CLASSLOCATESTUDY.R) (detail)

192.605(b)(1) (192.609(a); 192.609(b); 192.609(c); 192.609(d); 192.609(e); 192.609(f))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

4. Continuing Surveillance (detail) *Does the process include procedures for performing continuing surveillance of pipeline facilities, and also for reconditioning, phasing out, or reducing the MAOP in a pipeline segment that is determined to be in unsatisfactory condition but on which no immediate hazard exists?* (MO.GOCLASS.CONTSURVEILLANCE.P) (detail)

192.605(e) (192.613(a); 192.613(b); 192.703(b); 192.703(c))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

Maintenance and Operations - Gas Pipeline MAOP

1. Maximum Allowable Operating pressure Determination (detail) *Does the process include procedures for determining the maximum allowable operating pressure for a pipeline segment in accordance with 192.619?* (MO.GOMAOP.MAOPDETERMINE.P) (detail)

192.605(b)(1) (192.619(a); 192.619(b); 192.621(a); 192.621(b); 192.623(a); 192.623(b))	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

2. Maximum Allowable Operating pressure (detail) *Do records indicate determination of the MAOP of pipeline segments in accordance with 192.619 and limiting of the operating pressure as required?* (MO.GOMAOP.MAOPDETERMINE.R) (detail)

192.709 (192.619; 192.621; 192.623)	Sat+	Sat	Concern	Unsat	NA	NC
Notes						

3. MAOP Recording (detail) *Do pressure recording charts or SCADA records indicate that maximum allowable operating pressure limits have been maintained in accordance with 192.619?* (MO.GOMAOP.MAOPRECORDING.O) (detail)

192.605(b)(1) (192.619(a); 192.619(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Normal Operations and Maintenance Procedures (detail) *Does the process include procedures for starting up and shutting down any part of the pipeline in a manner to assure operation with the MAOP limits, plus the build-up allowed for operation of pressure-limiting and control devices?* (MO.GOMAOP.MAOPLIMIT.P) (detail)

192.605(a) (192.605(b)(5))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Gas Pipeline Odorization

1. Odorization of Gas (detail) *Does the process ensure appropriate odorant levels are contained in its combustible gases in accordance with §192.625?* (MO.GOODOR.ODORIZE.P) (detail)

192.605(b)(1) (192.625(a); 192.625(b); 192.625(c); 192.625(d); 192.625(e); 192.625(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Odorization of Gas (detail) *Do records indicate appropriate odorization of its combustible gases in accordance with its procedures and conduct of the required testing to verify odorant levels met requirements?* (MO.GOODOR.ODORIZE.R) (detail)

192.709(c) (192.625(a); 192.625(b); 192.625(c); 192.625(d); 192.625(e); 192.625(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Pipeline Purging (detail) *Does the process include requirements for purging of pipelines in accordance with 192.629?* (MO.GOODOR.PURGE.P) (detail)

192.605(b)(1) (192.629(a); 192.629(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Master Meter and Small LPG Distribution Integrity Management - Plan Implementation

1. Plan Implementation - Implement Date (detail) *Was the plan written and implemented per the requirement of 192.1015 by 08/02/2011?* (MMLPGIM.QA.PLANIMPLEMENT.P) (detail)

192.1015(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Master Meter and Small LPG Distribution Integrity Management - Knowledge of the System

1. System Knowledge - Information Considered (detail) *Does the plan include an explanation of the mechanisms or procedures to address how the operator will demonstrate knowledge of its pipeline which, to the extent known, should include the approximate location and material of its pipeline?* (MMLPGIM.RA.INFORMATION.P) (detail)

192.1015(b)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. System Knowledge - Gaps (detail) *Does the plan include an explanation of the mechanisms or procedures to identify additional information that is needed to fill gaps due to missing, inaccurate, or incomplete records?* (MMLPGIM.RA.GAPS.P) (detail)

192.1015(b)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. System Knowledge - Information Needed (detail) *Do the written mechanisms or procedures specify the means to collect the additional information over time through normal activities conducted on the pipeline (e.g. design, construction, operations or maintenance activities)?* (MMLPGIM.RA.INFONEEDS.P) (detail)

192.1015(b)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. System Knowledge - Information Needed (detail) *Does the plan list the additional information needed to fill gaps due to missing, inaccurate, or incomplete records?* (MMLPGIM.RA.INFONEEDS.R) (detail)

192.1015(b)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. System Knowledge - New Pipe Data (detail) *Do the written mechanisms or procedures require the capture and retention of data on any new pipeline installed?* (MMLPGIM.RA.NEWPIPEDATA.P) (detail)

192.1015(c)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. System Knowledge - New Pipe Data (detail) *Does the captured and retained data on any new pipeline include, at a minimum, the location where the new pipeline is installed and the material from which it is constructed?* (MMLPGIM.RA.NEWPIPEDATA.R) (detail)

192.1015(c)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. System Knowledge - Understanding (detail) *Has the operator demonstrated an adequate understanding of the system, which, to the extent known, should include the approximate location and material of its pipelines?* (MMLPGIM.RA.DEMOUNDERSTANDING.R) (detail)

192.1015(b)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Master Meter and Small LPG Distribution Integrity Management - Identify Threats

1. Identify Threats - Threats Considered (detail) *In identifying threats, do the written mechanisms or procedures include consideration of all of the required categories of threats to each gas distribution pipeline?* (MMLPGIM.RA.THREATCATEGORIES.P) (detail)

192.1015(b)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Identify Threats - Information Considered (detail) *Did the operator consider the information that was reasonably available to identify existing and potential threats?* (MMLPGIM.RA.INFOCONSIDERED.R) (detail)

192.1015(b)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Identify Threats - Implementation (detail) *Do records demonstrate implementation of the element "Identify Threats"?* (MMLPGIM.RA.IMPLEMENTTH.R) (detail)

192.1015(b)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Master Meter and Small LPG Distribution Integrity Management - Evaluate and Rank Risk

1. Rank Risk - Methodology (detail) *Do the written mechanisms or procedures contain the method(s) used to determine the relative importance of each threat and estimate and rank the risks posed?* (MMLPGIM.RA.RISKRANKING.P) (detail)

192.1015(b)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Rank Risk - Validation (detail) *Were the results generated by the risk evaluation model/method validated?* (MMLPGIM.RA.RESULTSVALIDATION.R) (detail)

192.1015(b)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Rank Risk - Implementation (detail) *Do records demonstrate implementation of the element "Evaluate and Rank Risk"?* (MMLPGIM.RA.IMPLEMENTRR.R) (detail)

192.1015(b)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Master Meter and Small LPG Distribution Integrity Management - Identify and Implement Measures to Reduce Risk

1. Measures to Reduce Risk - Identification (detail) *Do the written mechanisms or procedures identify when measures, beyond minimum code requirements specified outside of Part 192 Subpart P, are required to reduce risk?* (MMLPGIM.PM.IDENTIFYMEASURES.P) (detail)

192.1015(b)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Measures to Reduce Risk - Identification (detail) *When measures, beyond minimum code requirements specified outside of Part 192 Subpart P, are required to reduce risk, does the plan identify the measures selected, how they will be implemented, and the risks they are addressing?* (MMLPGIM.PM.IDENTIFYMEASURES.R) (detail)

192.1015(b)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Measures to Reduce Risk - Implementation (detail) *Do records demonstrate implementation of those measures to reduce risk required by Part 192 Subpart P?* (MMLPGIM.PM.IMPLEMENTPM.R) (detail)

192.1015(b)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Master Meter and Small LPG Distribution Integrity Management - Measure Performance and Evaluate Effectiveness

1. Measure Performance - Monitoring (detail) *Does the plan contain written mechanisms or procedures for how the operator monitors the performance measure "number of leaks eliminated or repaired on its pipeline and their causes"?* (MMLPGIM.QA.PERFMEASUREMONITOR.P) (detail)

192.1015(b)(5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Measure Performance - Implementation (detail) *Did the operator monitor the performance measure "number of leaks eliminated or repaired on its pipeline and their causes"?* (MMLPGIM.QA.PERFMEASUREMONITOR.R) (detail)

192.1015(B)(5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Master Meter and Small LPG Distribution Integrity Management - Periodic Evaluation and Improvement

1. Periodic Evaluation - Evaluation Period (detail) *Do the written mechanisms or procedures provide for determination of the appropriate period for conducting IM program evaluations based on the complexity of its pipeline and changes in factors affecting the risk of failure, not to exceed 5 years?* (MMLPGIM.CA.EVALUATIONPERIOD.P) (detail)

192.1015(b)(6)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Periodic Evaluation - Performance Monitoring (detail) *Do the written mechanisms or procedures consider the results of the performance monitoring in the periodic IM program evaluation?* (MMLPGIM.CA.PERIODICEVALUATION.P) (detail)

192.1015(b)(6)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Periodic Evaluation - Implementation (detail) *Do records demonstrate implementation of the element "Periodic Evaluation and Improvement"?* (MMLPGIM.CA.PERIODICEVALUATION.R) (detail)

192.1015(b)(6)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Master Meter and Small LPG Distribution Integrity Management - Records Required to be Kept

1. Records - IM Plans (detail) *Are there written mechanisms or procedures specifying that a written IM plan in accordance with 192.1015, including superseded IM plans, will be maintained for at least 10 years?* (MMLPGIM.QA.PLANRETENTION.P) (detail)

192.1015(c)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Records - Requirements (detail) *Are there written mechanisms or procedures specifying that documents demonstrating compliance to support threat identification will be maintained for at least 10 years?* (MMLPGIM.QA.THREATIDRECORDS.P) (detail)

192.1015(c)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Records - System Records (detail) *Are there written mechanisms or procedures specifying that documentation will be maintained for at least 10 years showing the location and material of all pipe and appurtenances that are installed after the effective date of the operator's IM program and, to the extent known, the location and material of all pipe and appurtenances that were existing on the effective date of the operator's program?* (MMLPGIM.QA.SYSTEMRECORDS.P) (detail)

192.1015(c)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Records - Implementation (detail) *Has the operator maintained the required records?* (MMLPGIM.QA.RECORDREQUIREMENTS.R) (detail)

192.1015(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Public Awareness and Damage Prevention - One-Call Damage Prevention

1. Damage Prevention Program (detail) *Is a damage prevention program approved and in place?* (PD.OC.PDPROGRAM.P) (detail)

192.614(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Damage Prevention Program (detail) *Does the damage prevention program meet minimum requirements specified in 192.614(c)?* (PD.OC.PDPROGRAM.R) (detail)

192.614(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Public Awareness and Damage Prevention - ROW Markers, Patrols, Leakage Survey and Monitoring

1. Patrolling Requirements (detail) *Does the process adequately cover the requirements for patrolling the ROW and conditions reported?* (PD.RW.PATROL.P) (detail)

192.705(a) (192.705(b); 192.705(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Patrolling Requirements (detail) *Do records indicate that ROW surface conditions have been patrolled as required?* (PD.RW.PATROL.R) (detail)

192.709(c) (192.705(a); 192.705(b); 192.705(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. ROW Markers Requirements (detail) *Does the process adequately cover the requirements for placement of ROW markers?* (PD.RW.ROWMARKER.P) (detail)

192.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Placement of ROW Markers (detail) *Are line markers placed and maintained as required?* (PD.RW.ROWMARKER.O) (detail)

192.707(a) (CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Placement of ROW Markers (detail) *Are line markers placed and maintained as required for above ground pipelines?* (PD.RW.ROWMARKERABOVE.O) (detail)

192.707(c) (CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Leakage Surveys (detail) *Does the process require leakage surveys to be conducted?* (PD.RW.LEAKAGE.P) (detail)

192.706 (192.706(a); 192.706(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Leakage Surveys (detail) *Do records indicate leakage surveys conducted as required?* (PD.RW.LEAKAGE.R) (detail)

192.709(c) (192.706; 192.706(a); 192.706(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Distribution System Leakage Surveys (detail) *Does the process require distribution system patrolling and leakage surveys to be conducted?* (PD.RW.DISTLEAKAGE.P) (detail)

192.721 (192.721(a); 192.721(b); 192.723(a); 192.723(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Distribution Leakage Surveys (detail) *Do records indicate distribution leakage surveys were conducted as required?* (PD.RW.DISTLEAKAGE.R) (detail)

192.603(b) (192.721(a); 192.721(b); 192.723(a); 192.723(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Public Awareness and Damage Prevention - Public Awareness

1. Public Education Program (detail) *Has the continuing public education (awareness) program been established as required?* (PD.PA.PROGRAM.P) (detail)

192.616(a) (192.616(h))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Management Support of Public Awareness Program (detail) *Does the operator's program documentation demonstrate management support?* (PD.PA.MGMTSUPPORT.P) (detail)

192.616(a) (API RP 1162 Section 2.5; API RP 1162 Section 7.1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Asset Identification (detail) *Does the program clearly identify the specific pipeline systems and facilities to be included in the program, along with the unique attributes and characteristics of each?* (PD.PA.ASSETS.P) (detail)

192.616(b) (API RP 1162 Section 2.7 Step 4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Audience Identification (detail) *Does the program establish methods to identify the individual stakeholders in the four affected stakeholder audience groups: (1) affected public, (2) emergency officials, (3) local public officials, and (4) excavators, as well as affected municipalities, school districts, businesses, and residents?* (PD.PA.AUDIENCEID.P) (detail)

192.616(d) (192.616(e); 192.616(f); API RP 1162 Section 2.2; API RP 1162 Section 3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Audience Identification Records (detail) *Do records identify the individual stakeholders in the four affected stakeholder audience groups: (1) affected public, (2) emergency officials, (3) local public officials, and (4) excavators, as well as affected municipalities, school districts, businesses, and residents to which it sends public awareness materials and messages?* (PD.PA.AUDIENCEID.R) (detail)

192.616(d) (192.616(e); 192.616(f); API RP 1162 Section 2.2; API RP 1162 Section 3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Messages, Delivery Methods, and Frequencies (detail) *Does the program define the combination of messages, delivery methods, and delivery frequencies to comprehensively reach all affected stakeholder audiences in all areas where gas is transported?* (PD.PA.MESSAGES.P) (detail)

192.616(c) (API RP 1162 Section 3; API RP 1162 Section 4; API RP 1162 Section 5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Consideration of Supplemental Enhancements (detail) *Were relevant factors considered to determine the need for supplemental public awareness program enhancements for each stakeholder audience, as described in API RP 1162?* (PD.PA.SUPPLEMENTAL.P) (detail)

192.616(c) (API RP 1162 Section 6.2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Educational Provisions (detail) *Did delivered messages specifically include provisions to educate the public, emergency officials, local public officials, and excavators on: (1) Use of a one-call notification system prior to excavation and other damage prevention activities; (2) Possible hazards associated with unintended releases from a gas pipeline facility; (3) Physical indications of a possible release; (4) Steps to be taken for public safety in the event of a gas pipeline release; and (5) Procedures to report such an event?* (PD.PA.EDUCATE.R) (detail)

192.616(d) (192.616(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Messages on Pipeline Facility Locations (detail) *Were messages developed and delivered to advise affected municipalities, school districts, businesses, and residents of pipeline facility locations?* (PD.PA.LOCATIONMESSAGE.R) (detail)

192.616(e) (192.616(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Baseline Message Delivery Frequency (detail) *Did the delivery of materials and messages meet or exceed the baseline delivery frequencies specified in API RP 1162, Table 2-1 through Table 2.3?* (PD.PA.MESSAGEFREQUENCY.R) (detail)

192.616(c) (API RP 1162 Table 2-1; API RP 1162 Table 2-2; API RP 1162 Table 2-3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Liaison with Emergency and Other Public Officials (detail) *Have liaisons been established and maintained with appropriate fire, police, and other public officials?* (PD.PA.LIAISON.R) (detail)

192.616(c) (API RP 1162 Section 4.4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Other Languages (detail) *Does the program require that materials and messages be provided in other languages commonly understood by a significant number and concentration of non-English speaking populations in the operator's areas?* (PD.PA.LANGUAGE.P) (detail)

192.616(g) (API RP 1162 Section 2.3.1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Other Languages (detail) *Were materials and messages developed and delivered in other languages commonly understood by a significant number and concentration of non-English speaking populations in the operator's areas?* (PD.PA.LANGUAGE.R) (detail)

192.616(g) (API RP 1162 Section 2.3.1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Evaluation Plan (detail) *Does the program include a process that specifies how program implementation and effectiveness will be periodically evaluated?* (PD.PA.EVALPLAN.P) (detail)

192.616(i) (192.616(c); API RP 1162 Section 8; API RP 1162 Appendix E)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Evaluate Program Implementation (detail) *Has an audit or review of the operator's program implementation been performed annually since the program was developed?* (PD.PA.EVALIMPL.R) (detail)

192.616(c) (192.616(i); API RP 1162 Section 8.3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Acceptable Methods for Program Implementation Audits (detail) *Was one or more of the three acceptable methods (i.e., internal assessment, 3rd-party contractor review, or regulatory inspections) used to complete the annual audit or review of program implementation?* (PD.PA.AUDITMETHODS.R) (detail)

192.616(c) (192.616(i); API RP 1162 Section 8.3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Program Changes and Improvements (detail) *Were changes made to improve the program and/or the implementation process based on the results and findings of the annual audit(s)?* (PD.PA.PROGRAMIMPROVE.R) (detail)

192.616(c) (API RP 1162 Section 8.3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Evaluating Program Effectiveness (detail) *Have effectiveness evaluation(s) of the program been performed for all stakeholder groups in all notification areas along all systems covered by the program?* (PD.PA.EVALEFFECTIVENESS.R) (detail)

192.616(c) (API RP 1162 Section 8.4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Measure Program Outreach (detail) *In evaluating effectiveness, was actual program outreach for each stakeholder audience tracked?* (PD.PA.MEASUREOUTREACH.R) (detail)

192.616(c) (API RP 1162 Section 8.4.1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Measure Understandability of Message Content (detail) *In evaluating program effectiveness, was the percentage of each stakeholder audience that understood and retained the key information from the messages determined?* (PD.PA.MEASUREUNDERSTANDABILITY.R) (detail)

192.616(c) (API RP 1162 Section 8.4.2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Measure Desired Stakeholder Behavior (detail) *In evaluating program effectiveness, was evaluation made of whether appropriate preventive, response, and mitigative behaviors were understood and likely to be exhibited?* (PD.PA.MEASUREBEHAVIOR.R) (detail)

192.616(c) (API RP 1162 Section 8.4.3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

22. Measure Bottom-Line Results (detail) *Were bottom-line results of the program measured by tracking third-party incidents and consequences including: (1) near misses, (2) excavation damages resulting in pipeline failures, (3) excavation damages that do not result in pipeline failures?* (PD.PA.MEASUREBOTTOM.R) (detail)

192.616(c) (API RP 1162 Section 8.4.4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

23. Program Changes (detail) *Were needed changes and/or modifications to the program identified and documented based on the results and findings of the program effectiveness evaluations?* (PD.PA.CHANGES.R) (detail)

192.616(c) (API RP 1162 Section 2.7 (Step 12); API RP 1162 Section 8.5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

24. Master Meter and Petroleum Gas Systems (detail) *Does the master meter or petroleum gas system operator's process meet the requirements of 192.616(j)?* (PD.PA.MSTRMETER.P) (detail)

192.616(j) (192.616(h))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

25. Master Meter and Petroleum Gas Systems (detail) *Do records indicate the master meter or petroleum gas system operator has met the requirements of 192.616(j)?* (PD.PA.MSTRMETER.R) (detail)

192.616(j) (192.616(h); API RP 1162 Section 2.7 (Step 12); API RP 1162 Section 8.5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Reporting - Regulatory Reporting (Traditional)

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

191.17(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

*** 2. Immediate Reporting: Incidents (detail)** *Is there a process to immediately report incidents to the National Response Center?* (RPT.RR.IMMEDREPORT.P) (detail)

191.5(b) (191.7)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Immediate Reporting: Incidents (detail) *Do records indicate immediate notifications of incidents were made in accordance with 191.5?* (RPT.RR.IMMEDREPORT.R) (detail)

191.5(a) (191.7(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

*** 4. 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)

191.15(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

191.15(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Incident Reports (detail) *Do records indicate reportable incidents were identified and reports were submitted to DOT on Form 7100.2 (01-2002) within the required timeframe?* (RPT.RR.INCIDENTREPORT.R) (detail)

191.15(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

191.15(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Safety Related Condition Reports (detail) *Do the procedures require reporting of safety-related conditions?* (RPT.RR.SRCR.P) (detail)

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

Notes

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

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

Notes

10. Offshore Pipeline Condition Reports (detail) *Does the process require reports to be submitted within 60 days after completing inspection of underwater pipelines in GOM and its inlets?* (RPT.RR.OPCR.P) (detail)

191.27(a) (191.27(b); 192.612(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. NPMS: Abandoned Underwater Facility Reports (detail) *Do records indicate reports were filed for abandoned offshore pipeline facilities or abandoned onshore pipeline facilities that crosses over, under or through a commercially navigable waterway?* (RPT.RR.NPMSABANDONWATER.R) (detail)

192.727(g)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

*** 12. 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)

191.22	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - External Corrosion - Atmospheric

1. Atmospheric Corrosion (detail) *Does the process give adequate guidance for protecting above ground pipe from atmospheric corrosion?* (TD.ATM.ATMCORRODE.P) (detail)

192.605(b)(2) (192.479(a); 192.479(b); 192.479(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Atmospheric Corrosion Monitoring (detail) *Does the process give adequate instruction for the inspection of aboveground pipeline segments for atmospheric corrosion?* (TD.ATM.ATMCORRODEINSP.P) (detail)

192.605(b)(2) (192.481(a); 192.481(b); 192.481(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Atmospheric Corrosion Monitoring (detail) *Do records document inspection of aboveground pipe for atmospheric corrosion?* (TD.ATM.ATMCORRODEINSP.R) (detail)

192.491(c) (192.481(a); 192.481(b); 192.481(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Atmospheric Corrosion Monitoring (detail) *Is pipe that is exposed to atmospheric corrosion protected?* (TD.ATM.ATMCORRODEINSP.O) (detail)

192.481(b) (192.481(c); 192.479(a); 192.479(b); 192.479(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - External Corrosion - Coatings

1. New Buried Pipe Coating (detail) *Does the process require that each buried or submerged pipeline installed after July 31, 1971, be protected against external corrosion with an adequate coating unless exempted by §192.455(b)?* (TD.COAT.NEWPIPE.P) (detail)

192.605(b)(2) (192.455(a); 192.461; 192.463; 192.483(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. New Buried Pipe Coating (detail) *Do records document that each buried or submerged pipeline installed after July 31, 1971, has been protected against external corrosion with an adequate coating unless exempted under 192.455(b)?* (TD.COAT.NEWPIPE.R) (detail)

192.491(c) (192.455(a)(1); 192.461(a); 192.461(b); 192.483(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Conversion to Service - Pipe Coating (detail) *Does the process require that each buried or submerged pipeline that has been converted to gas service and was installed after July 31, 1971, be protected against external corrosion with an adequate coating unless exempted by 192.455(b)?* (TD.COAT.CONVERTPIPE.P) (detail)

192.605(b)(2) (192.452(a); 192.455(a); 192.455(b); 192.461(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - External Corrosion - Cathodic Protection

1. Cathodic Protection post July 1971 (detail) *Does the process require that each buried or submerged pipeline installed after July 31, 1971, be protected against external corrosion with a cathodic protection system within 1 year after completion of construction, conversion to service, or becoming jurisdictional onshore gathering?* (TD.CP.POST1971.P) (detail)

192.605(b)(2) (192.455(a); 192.457(a); 192.452(a); 192.452(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Cathodic Protection post July 1971 (detail) *Do records document that each buried or submerged pipeline installed after July 31, 1971, has been protected against external corrosion with a cathodic protection system within 1 year after completion of construction, conversion to service, or becoming jurisdictional onshore gathering?* (TD.CP.POST1971.R) (detail)

192.491(c) (192.455(a); 192.457(a); 192.452(a); 192.452(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Cathodic Protection pre August 1971 (detail) *Does the process require that pipelines installed before August 1, 1971 (except for cast and ductile iron lines) which are 1) bare or ineffectively coated transmission lines or 2) bare or coated pipes in compressor, regulator or meter stations must be cathodically protected in areas where active corrosion is found in accordance with Subpart I or Part 192?* (TD.CP.PRE1971.P) (detail)

192.605(b)(2) (192.457(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Cathodic Protection of Underground Piping (detail) *Are bare or coated pipes in compressor, regulator or meter stations installed before August 1, 1971 (except for cast and ductile iron lines) cathodically protected in areas where active corrosion was found in accordance with Subpart I or Part 192?* (TD.CP.PRE1971.O) (detail)

192.457(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Use of Aluminum (detail) *Does the process give adequate guidance for the installation of aluminum in a submerged or buried pipeline?* (TD.CP.ALUMINUM.P) (detail)

192.605(b)(2) (192.455(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Cathodic Protection of Amphoteric Metals (detail) *Does the process describe criteria to be used for cathodic protection of amphoteric metals (aluminum) that are included in a steel pipeline?* (TD.CP.AMPHOTERIC.P) (detail)

192.605(b)(2) (192.463(b); 192.463(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Unprotected Buried Pipelines (typically bare pipelines) (detail) *Does the process give sufficient direction for the monitoring of external corrosion on buried pipelines that are not protected by cathodic protection?* (TD.CP.UNPROTECT.P) (detail)

192.605(b)(2) (192.465(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Unprotected Buried Pipelines (typically bare pipelines) (detail) *Do records adequately document the re-evaluation of buried pipelines with no cathodic protection for areas of active corrosion?* (TD.CP.UNPROTECT.R) (detail)

192.491(c) (192.465(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Isolation from Other Metallic Structures (detail) *Does the process give adequate guidance for electrically isolating each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit?* (TD.CP.ELECISOLATE.P) (detail)

192.605(b)(2) (192.467(a); 192.467(b); 192.467(c); 192.467(d); 192.467(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Isolation from Other Metallic Structures (detail) *Do records adequately document electrical isolation of each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit?* (TD.CP.ELECISOLATE.R) (detail)

192.491(c) (192.467(a); 192.467(b); 192.467(c); 192.467(d); 192.467(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Graphitization of Cast Iron and Ductile Iron (detail) *Does the process give adequate guidance for remediation of graphitization of cast iron or ductile iron pipe?* (TD.CP.GRAPHITIZE.P) (detail)

192.605(b)(2) (192.489(a); 192.489(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Corrosion Control Records (detail) *Does the process include records requirements for the corrosion control activities listed in 192.491?* (TD.CP.RECORDS.P) (detail)

192.605(b)(2) (192.491(a); 192.491(b); 192.491(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Corrosion Control Records (detail) *Do records indicate the location of all items listed in 192.491(a)?* (TD.CP.RECORDS.R) (detail)

192.491(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - Internal Corrosion - Preventive Measures

1. Internal Corrosion (detail) *If the process does not preclude corrosive gas to be transported by pipeline, does the process also require that the corrosive effect of the gas on the pipeline be investigated and steps be taken to minimize internal corrosion?* (TD.ICP.CORRGAS.P) (detail)

192.605(b)(2) (192.475(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Internal Corrosion (detail) *Do records document if corrosive gas is being transported by pipeline, including the investigation of the corrosive effect of the gas on the pipeline and steps that have been taken to minimize internal corrosion?* (TD.ICP.CORRGAS.R) (detail)

192.491(c) (192.475(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Internal Corrosion Corrosive Gas Actions (detail) *Does the process give adequate direction for actions to be taken if corrosive gas is being transported by pipeline?* (TD.ICP.CORRGASACTION.P) (detail)

192.605(b)(2) (192.477)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Internal Corrosion Corrosive Gas Actions (detail) *Do records document the actions taken when corrosive gas is being transported by pipeline?* (TD.ICP.CORRGASACTION.R) (detail)

192.491(c) (192.477)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Internal Corrosion in Cutout Pipe (detail) *Does the process direct personnel to examine removed pipe for evidence of internal corrosion?* (TD.ICP.EXAMINE.P) (detail)

192.605(b)(2) (192.475(a); 192.475(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Internal Corrosion in Cutout Pipe (detail) *Do records document examination of removed pipe for evidence of internal corrosion?* (TD.ICP.EXAMINE.R) (detail)

192.491(c) (192.475(a); 192.475(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Evaluation of Internally Corroded Pipe (detail) *Does the process give sufficient guidance for personnel to evaluate the remaining strength of pipe that has been internally corroded?* (TD.ICP.EVALUATE.P) (detail)

192.605(b)(2) (192.485(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Evaluation of Internally Corroded Pipe (detail) *Do records document adequate evaluation of internally corroded pipe?* (TD.ICP.EVALUATE.R) (detail)

192.491(c) (192.485(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Repair of Internally Corroded Pipe (detail) *Do records document the repair or replacement of pipe that has been internally corroded to an extent that there is not sufficient remaining strength in the pipe wall?* (TD.ICP.REPAIR.R) (detail)

192.485(a) (192.485(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - External Corrosion - Exposed Pipe

1. Examination of Exposed Portions of Buried Pipe (detail) *Does the process require that exposed portions of buried pipeline must be examined for external corrosion?* (TD.CPEXPOSED.EXPOSEINSPECT.P) (detail)

192.605(b)(2) (192.459)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Further Examination of Exposed Portions of Buried Pipe (detail) *Does the process require further examination of exposed buried pipe if corrosion is found?* (TD.CPEXPOSED.EXPOSECORRODE.P) (detail)

192.605(b)(2) (192.459)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Examination of Exposed Portions of Buried Pipe (detail) *Do records adequately document that exposed buried piping was examined for corrosion?* (TD.CPEXPOSED.EXPOSEINSPECT.R) (detail)

192.491(c) (192.459)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Cathodic Protection Monitoring Criteria (detail) *Does the process require CP monitoring criteria to be used that is acceptable?* (TD.CPEXPOSED.MONITORCRITERIA.P) (detail)

192.605(b)(2) (192.463(a); 192.463(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Corrosion Control Records (detail) *Does the process include records requirements for the corrosion control activities listed in 192.491?* (TD.CPEXPOSED.RECORDS.P) (detail)

192.605(b)(2) (192.491(a); 192.491(b); 192.491(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Corrosion Control Records (detail) *Do records indicate the location of all items listed in 192.491(a)?* (TD.CPEXPOSED.RECORDS.R) (detail)

192.491(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - External Corrosion - CP Monitoring

1. Cathodic Protection Monitoring Criteria (detail) *Are methods used for taking CP monitoring readings that allow for the application of appropriate CP monitoring criteria?* (TD.CPMONITOR.MONITORCRITERIA.O) (detail)

192.463(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Cathodic Protection Monitoring (detail) *Does the process adequately describe how to monitor CP that has been applied to pipelines?* (TD.CPMONITOR.TEST.P) (detail)

192.605(b)(2) (192.465(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Cathodic Protection Monitoring (detail) *Do records adequately document cathodic protection monitoring tests have occurred as required?* (TD.CPMONITOR.TEST.R) (detail)

192.491(c) (192.465(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Rectifiers or other Impressed Current Sources (detail) *Does the process give sufficient details for making electrical checks of rectifiers or impressed current sources?* (TD.CPMONITOR.CURRENTTEST.P) (detail)

192.605(b)(2) (192.465(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Rectifier or other Impressed Current Sources (detail) *Do records document details of electrical checks of sources of rectifiers or other impressed current sources?* (TD.CPMONITOR.CURRENTTEST.R) (detail)

192.491(c) (192.465(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Rectifier or other Impressed Current Sources (detail) *Are impressed current sources properly maintained and are they functioning properly?* (TD.CPMONITOR.CURRENTTEST.O) (detail)

192.465(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Bonds, Diodes and Reverse Current Switches (detail) *Does the process give sufficient details for making electrical checks of interference bonds, diodes, and reverse current switches?* (TD.CPMONITOR.REVCURRENTTEST.P) (detail)

192.605(b)(2) (192.465(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Bonds, Diodes and Reverse Current Switches (detail) *Do records document details of electrical checks interference bonds, diodes, and reverse current switches?* (TD.CPMONITOR.REVCURRENTTEST.R) (detail)

192.491(c) (192.465(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Correction of Corrosion Control Deficiencies (detail) *Does the process require that the operator correct any identified deficiencies in corrosion control?* (TD.CPMONITOR.DEFICIENCY.P) (detail)

192.605(b)(2) (192.465(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Correction of Corrosion Control Deficiencies (detail) *Do records adequately document actions taken to correct any identified deficiencies in corrosion control?* (TD.CPMONITOR.DEFICIENCY.R) (detail)

192.491(c) (192.465(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Test Leads Installation (detail) *Does the process provide adequate instructions for the installation of test leads?* (TD.CPMONITOR.TESTLEAD.P) (detail)

192.605(b)(2) (192.471(a); 192.471(b); 192.471(c); 192.469)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Test Leads Installation (detail) *Do records document that pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I?* (TD.CPMONITOR.TESTLEAD.R) (detail)

192.491(c) (192.471(a); 192.471(b); 192.471(c); 192.469)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Interference Currents (detail) *Does the process give sufficient guidance and detail for identifying areas of potential stray current so the detrimental effects of stray currents can be minimized through a continuing program?* (TD.CPMONITOR.INTFRCURRENT.P) (detail)

192.605(b)(2) (192.473(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Interference Currents (detail) *Do records document that the operator has minimized the detrimental effects of stray currents when found?* (TD.CPMONITOR.INTFRCURRENT.R) (detail)

192.491(c) (192.473(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Corrosion Control Records (detail) *Does the process include records requirements for the corrosion control activities listed in 192.491?* (TD.CPMONITOR.RECORDS.P) (detail)

192.605(b)(2) (192.491(a); 192.491(b); 192.491(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Corrosion Control Records (detail) *Do records indicate the location of all items listed in 192.491(a)?* (TD.CPMONITOR.RECORDS.R) (detail)

192.491(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Training and Qualification - Operator Qualification

1. Contractor and Other Entity Qualification (detail) *Are adequate records maintained for contractor personnel qualifications that contain the required elements?* (TQ.OQ.OQCONTRACTOR.R) (detail)

192.807(a) (192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Qualification Records for Personnel Performing Covered Tasks (detail) *Do records document the evaluation and qualifications of individuals performing covered tasks, and can the qualification of individuals performing covered tasks be verified?* (TQ.OQ.RECORDS.R) (detail)

192.807(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Training and Qualification - Qualification of Personnel - Specific Requirements

1. Corrosion Control Personnel Qualification (detail) *Does the process require corrosion control procedures to be carried out by, or under the direction of, qualified personnel?* (TQ.QU.CORROSION.P) (detail)

192.453 (192.805(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Qualification of Personnel Tapping Pipelines under Pressure (detail) *Does the process require taps on a pipeline under pressure (hot taps) to be performed by qualified personnel?* (TQ.QU.HOTTAPQUAL.P) (detail)

192.627 (192.805(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Training and Qualification - Qualification of Personnel - Specific Requirements (O and M Construction)

*** 1. Qualification of Welders (detail)** *Does the process require welders to be qualified in accordance with API 1104 or the ASME Boiler & Pressure Vessel Code?* (TQ.QUOMCONST.WELDER.P) (detail)

192.227(a) (192.225(a); 192.225(b); 192.328(a); 192.328(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Qualification of Welders for Low Stress Pipe (detail) *Does the process require welders who perform welding on low stress pipe on lines that operate at < 20% SMYS to be qualified under Section I of Appendix C to Part 192, and are welders who perform welding on service line connection to a main required to be qualified under Section II of Appendix C to Part 192?* (TQ.QUOMCONST.WELDERLOWSTRESS.P) (detail)

192.227(b) (192.225(a); 192.225(b); 192.805(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Qualification of Welders (detail) *Do records indicate adequate qualification of welders?* (TQ.QUOMCONST.WELDER.R) (detail)

192.227(a) (192.227(b); 192.229(a); 192.229(b); 192.229(c); 192.229(d); 192.328(a); 192.328(b); 192.807(a); 192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Qualification of Nondestructive Testing Personnel (detail) *Do records indicate the qualification of nondestructive testing personnel?* (TQ.QUOMCONST.NDT.R) (detail)

192.243(b)(2) (192.807(a); 192.807(b); 192.328(a); 192.328(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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