

Procedures - Conversion to Service

1. Conversion to Service *If any pipelines were converted into Part 195 service, was a process developed addressing all the applicable requirements?* (MO.LC.CONVERSION.P) (detail) 195.5(a) (195.5(b); 195.5(c))

Notes

Procedures - Regulated Rural Gathering

*** 1. Regulated Rural Gathering Lines** *Does the process for regulated rural gathering lines include all the requirements of 195.11?* (MO.LO.REGRURALGATHER.P) (detail) 195.11(a) (195.11(b); 195.11(c); 195.11(d))

Notes

Procedures - Low Stress Rural Pipelines

1. Categorizing Rural Low Stress Pipelines *Does the process require that rural low stress pipelines be properly categorized?* (MO.LS.CATEGORIZATION.P) (detail) 195.12(b) (195.12(b)(1); 195.12(b)(2); 195.12(b)(3); 195.452(a))

Notes

Procedures - Reporting

1. Accident Reports *Does the process require preparation and filing of an accident report as soon as practicable but no later than 30 days after discovery of a reportable accident?* (RPT.RR.ACCIDENTREPORT.P) (detail) 195.54(a) (195.50(a); 195.50(b); 195.50(c); 195.50(d); 195.50(e))

Notes

*** 2. Immediate Reporting: Accidents** *Are procedures in place to immediately report accidents to the National Response Center?* (RPT.RR.IMMEDREPORT.P) (detail) 195.402(a) (195.402(c)(2); 195.52(b))

Notes

3. Supplemental Accident Reports *Does the process require preparation and filing of supplemental accident reports?* (RPT.RR.ACCIDENTREPORTSUPP.P) (detail) 195.402(a) (195.402(c)(2); 195.54(b))

Notes

4. Safety Related Condition Reports *Are processes in place to file safety-related condition reports if the conditions of 195.55 are met?* (RPT.RR.SRCR.P) (detail) 195.402(a) (195.56(a))

Notes

* **5. National Registry of Pipeline Operators (OPID)** *Does the process require the obtaining, and appropriate control, of Operator Identification Numbers (OPIDs)?* (RPT.RR.OPID.P) (detail) 195.402(a) (195.64(a); 195.64(b); 195.64(c); 195.64(d))

Notes

Procedures - Internal Design Pressure

1. Internal Design Pressure *Does the process require the internal design pressure of the pipeline be determined in accordance with §195.106?* (DC.DN.DESIGNPRESS.P) (detail) 195.106(a) (195.106(b); 195.106(c); 195.106(d); 195.106(e))

Notes

Procedures - Passage of Internal Inspection Devices

1. Passage of Internal Inspection Devices *Does the process require the pipeline be designed and constructed to accommodate the passage of instrumented internal inspection devices?* (DC.DN.IIIPASS.P) (detail) 195.202 (195.120(a))

Notes

Procedures - Welding, NDT, Repair / Removal

1. Welding Procedures *Does the process require welding to be performed by qualified welders using qualified welding procedures?* (DC.WELDPROCEDURE.WELD.P) (detail) 195.214(a)

Notes

2. Welding Procedures *Are welding procedures and qualifying tests required to be recorded in detail?* (DC.WELDPROCEDURE.WELDPROCEDURE.P) (detail) 195.214(b)

Notes

* **3. Qualification of Welders** *Is each welder required to be qualified in accordance with section 6 of API 1104 or section IX of the ASME Boiler and Pressure Vessel Code?* (DC.WELDERQUAL.WELDERQUAL.P) (detail) 195.222(a) (195.222(b))

Notes

4. Arc Burns and Ground Wires *Does the process address arc burns and ground wires in accordance with §195.226?* (DC.WELDPROCEDURE.ARCBURNGRNDWIRE.P) (detail) 195.202 (195.226(a); 195.226(b); 195.226(c))

Notes

5. Nondestructive Test and Interpretation Procedures *Are there processes for nondestructive testing and for determining standards of acceptability?* (DC.WELDINSP.WELDNDT.P) (detail) 195.234(a) (195.234(b)(1); 195.234(c))

Notes

6. Nondestructive Testing Personnel Training *Does the process require nondestructive testing of welds (for maintenance and construction) be performed by personnel who are trained in procedures established to ensure compliance with §195.228 and in use of the testing equipment?* (DC.WELDINSP.WELDNDTQUAL.P) (detail) 195.202 (195.234(b)(2))

Notes

7. Nondestructive Testing of Girth Welds *Does the process require certain girth welds to be nondestructively tested in accordance with §§195.234(d), (e), (f), and (g)?* (DC.WELDINSP.GIRTHWELDNDT.P) (detail) 195.202 (195.234(d); 195.234(e); 195.234(f); 195.234(g); 195.266)

Notes

8. Repair or Removal of Weld Defects *Are welds that are unacceptable required to be removed and/or repaired as specified by §195.230 and does the operator have repair procedures?* (DC.WELDINSP.WELDREPAIR.P) (detail) 195.202 (195.230(a); 195.230(b); 195.230(c))

Notes

Procedures - Pressure Testing

1. Pressure Testing *Does the process have adequate test procedures?* (DC.PT.PRESSTEST.P) (detail) 195.402(c) (195.302(a); 195.304; 195.305; 195.306; 195.310)

Notes

2. Pipeline Pressure Testing *Does the process require pressure testing for all lines except as allowed by §195.302(b)?* (MO.LO.PRESSTESTREQ.P) (detail) 195.402(c)(3) (195.302(b); 195.302(c))

Notes

3. Pressure Testing of Tie-Ins *Does the process require testing of pipe associated with tie-ins, either with the section to be tied in or separately?* (DC.PT.PRESSTESTTIEIN.P) (detail) 195.402(c) (195.308)

Notes

Procedures - Operations and Maintenance

* **1. O&M Manual** *Does the operator have an O&M manual, and has a process to properly maintain all portions of the manual?* (MO.LO.OMMANUAL.P) (detail) 195.402(a) (195.402(c))

Notes

Procedures - Normal Operations

*** 1. Emergency Response** *Does the emergency plan include processes for making a prompt and effective response to a notice of each type of emergency, fire, explosion, accidental release of a hazardous liquid, operational failure, or natural disaster affecting the pipeline?* (EP.ERL.RESPONSE.P) (detail) 195.402(a) (195.402(c)(4); 195.402(c)(6); 195.402(e)(2); 195.402(e)(10))

Notes

2. Accident Investigation *Does the O&M plan include processes for analyzing pipeline accidents to determine their causes?* (EP.ERL.ACCIDENTANALYSIS.P) (detail) 195.402(a) (195.402(c)(5); 195.402(c)(6))

Notes

3. Normal Maintenance and Operations - Startup & Shutdown *Does the process include procedures for starting up and shutting down any part of the pipeline system in a manner designed to assure operation within the limits prescribed by §195.406?* (MO.LOOPER.PRESSURELIMIT.P) (detail) 195.402(a) (195.402(c)(7))

Notes

4. Normal Maintenance and Operations - Non-Fail Safe *In the case of a pipeline that is not equipped to fail safe, does the process include procedures for monitoring from an attended location pipeline pressure during startup until steady state pressure and flow conditions are reached and during shut-in to assure operation within the limits of §195.406?* (MO.LOOPER.FAILSAFE.P) (detail) 195.402(a) (195.402(c)(8))

Notes

5. Normal Maintenance and Operations - Abandoning *Does the process include procedures for abandoning pipeline facilities, including safe disconnection from an operating pipeline system, purging of combustibles, and sealing abandoned environmental hazards?* (MO.LO.ABANDON.P) (detail) 195.402(a) (195.402(c)(10))

Notes

6. Emergency Response Hazard Reduction *Does the emergency plan include processes for controlling the release of liquid at an accident scene to minimize the hazards, including possible ignition in the cases of flammable HVLS?* (EP.ERL.HAZREDUCE.P) (detail) 195.402(a) (195.402(c)(11); 195.402(e)(5))

Notes

7. Liaison with Public Officials *Does the O&M plan include processes for establishing and maintaining liaison with appropriate fire, police and other public officials and utility owners?* (EP.ERL.LIAISON.P) (detail) 195.402(a) (195.402(c)(12))

Notes

8. Normal Maintenance and Operations - Effectiveness Review *Does the process include procedures for periodically reviewing the work done by the operator's personnel to determine the effectiveness of the procedures used in normal operation and maintenance and taking corrective action where deficiencies are found?* (MO.LO.OMEFFECTREVIEW.P) (detail) 195.402(a) (195.402(c)(13))

Notes

9. Safety While Making Repair *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) 195.402(c)(14) (195.422(a))

Notes

Procedures - Abnormal Operations

1. Abnormal Operating Procedures *Does the process include procedures for responding to, investigating, and correcting the cause of the listed abnormal operating conditions?* (MO.ABNORMAL.ABNORMAL.P) (detail) 195.402(a) (195.402(d)(1))

Notes

2. Abnormal Operating Procedures - Variations *Does the process include procedures for checking variations from normal operation after abnormal operations have ended at sufficient locations in the system to determine continued integrity and safe operations?* (MO.ABNORMAL.ABNORMALCHECK.P) (detail) 195.402(a) (195.402(d)(2))

Notes

3. Abnormal Operating Procedures - Correction *Does the process include procedures for correcting variations from normal operation of pressure and flow equipment and controls?* (MO.ABNORMAL.ABNORMALCORRECT.P) (detail) 195.402(a) (195.402(d)(3))

Notes

4. Abnormal Operating Procedures - Notify *Does the process include procedures for ensuring operating personnel notify responsible operator personnel where notice of an abnormal operation is received?* (MO.ABNORMAL.ABNORMALNOTIFY.P) (detail) 195.402(a) (195.402(d)(4))

Notes

5. Abnormal Operating Procedures - Effectiveness Review *Does the process include procedures for periodically reviewing the response of operating personnel to determine the effectiveness of the procedures for controlling abnormal operation and taking corrective action where deficiencies are found?* (MO.ABNORMAL.ABNORMALREVIEW.P) (detail) 195.402(a) (195.402(d)(5))

Notes

Procedures - Emergency Operations

1. Receiving Notices *Does the emergency plan include processes for receiving, identifying, and classifying notices of events which need immediate response and providing notice to operator personnel or to fire, police or other appropriate officials, as appropriate, for corrective action?* (EP.ERL.NOTICES.P) (detail) 195.402(a) (195.402(e)(1))

Notes

2. Emergency Response Does the emergency plan include processes to ensure the availability of personnel, equipment, instruments, tools, and materials as needed at the scene of an emergency? (EP.ERL.READINESS.P) (detail) 195.402(a) (195.402(e)(3))

Notes

3. Emergency Response Release Reduction Does the emergency plan include processes for taking necessary action; such as an emergency shutdown or pressure reduction, to minimize the volume released from any section of a pipeline system in the event of a failure? (EP.ERL.RELEASEREDUCE.P) (detail) 195.402(a) (195.402(e)(4))

Notes

4. Emergency Response Does the emergency plan include procedures for minimizing public exposure to injury and probability of accidental ignition by assisting with evacuation, assisting with halting traffic on roads and railroads, or taking other appropriate action? (EP.ERL.PUBLICHAZ.P) (detail) 195.402(a) (195.402(e)(6))

Notes

5. Authority Notification Does the emergency plan include processes for notifying fire, police, and other appropriate public officials of hazardous liquid emergencies and coordinating with them preplanned and actual responses during an emergency, including additional precautions necessary for an emergency involving HVLs? (EP.ERL.AUTHORITIES.P) (detail) 195.402(a) (195.402(e)(7))

Notes

6. Emergency Response - HVL Instruments Does the emergency plan include processes for determining the extent and coverage of vapor cloud and hazardous areas of HVLs by using appropriate instruments? (EP.ERL.HVLMEASURE.P) (detail) 195.402(a) (195.402(e)(8))

Notes

7. Emergency Response - Post-Accident Review Does the emergency plan include processes for providing for a post-accident review of employee activities to determine whether the procedures were effective in each emergency and taking corrective action where deficiencies are found? (EP.ERL.POSTEVNTREVIEW.P) (detail) 195.402(a) (195.402(e)(9))

Notes

Procedures - Emergency Response Training

1. Emergency Response Training - Procedures Does emergency response training cover the emergency procedures established under §195.402? (TQ.TRERP.ERTRAINING.P) (detail) 195.403(a)(1)

Notes

2. Emergency Response Training - Hazards Are the characteristics and hazards of the hazardous liquids or carbon dioxide transported covered in the ER training? (TQ.TRERP.ERHAZTRAINING.P) (detail) 195.403(a)(2)

Notes

3. Emergency Response Training - Conditions *Are conditions that are likely to cause emergencies, their consequences, and appropriate corrective action identified in the ER training?* (TQ.TRERP.ERCONDITIONS.P) (detail) 195.403(a)(3)

Notes

4. Emergency Response Training - Release Control *Are the steps necessary to control any accidental release of hazardous liquid to minimize the potential for fire, explosion, toxicity, or environmental damage identified in the ER training?* (TQ.TRERP.ERRELEASECONTROL.P) (detail) 195.403(a)(4)

Notes

5. Emergency Response Training - Fire *Are the potential causes, types, sizes, and consequences of fire and appropriate use of portable fire extinguishers and other on-site fire control equipment covered in the ER training?* (TQ.TRERP.ERFIREPROT.P) (detail) 195.403(a)(5)

Notes

6. Safety Related Conditions Reports *Does the process include instructions that allow personnel to recognize safety related conditions?* (MO.LO.SRCR.P) (detail) 195.402(a) (195.402(f))

Notes

7. Emergency Response Training Performance Review *Does the process require review of emergency response personnel performance at the required frequency?* (TQ.TRERP.ERTRAININGREVIEW.P) (detail) 195.403(b)

Notes

8. Emergency Response Supervisor Training *Does the process require supervisors be trained on emergency response procedures for which they are responsible?* (TQ.TRERP.ERTRAININGSUPERVISE.P) (detail) 195.403(c)

Notes

Procedures - Maps and Records

1. Normal Maintenance and Operations - History *Does the process include procedures for making construction records, maps, and operating history available as necessary for safe operation and maintenance?* (MO.LO.OMHISTORY.P) (detail) 195.402(a) (195.402(c)(1); 195.404(a); 195.404(a)(1); 195.404(a)(2); 195.404(a)(3); 195.404(a)(4); 195.404(c)(1); 195.404(c)(2); 195.404(c)(3))

Notes

2. Operating Records *Does the O&M plan include a requirement that operating records that relate to 195.402 activities be maintained for at least 3 years?* (MO.LO.RECORDS.P) (detail) 195.402(a) (195.402(c)(3); 195.404(b); 195.404(b)(1); 195.404(b)(2))

Notes

Procedures - Maximum Operating Pressure

1. Establishing Maximum Operating Pressure *Does the process include procedures for establishing the maximum operating pressure allowed in accordance with §195.406(a)?* (MO.LOMOP.MOPDETERMINE.P) (detail) 195.402(c)(3) (195.302(c); 195.406(a); 195.406(a)(1); 195.406(a)(2); 195.406(a)(3); 195.406(a)(4); 195.406(a)(5))

Notes

* **2. Setpoints** *Does the process adequately define safety-related points?* (CR.SCADA.SETPOINT.P) (detail) 195.446(c)(2) (195.406(b))

Notes

Procedures - Communications

1. Communication System Requirements *Does the process address emergency communication system(s)?* (EP.ERL.COMMSYS.P) (detail) 195.408(a) (195.408(b))

Notes

Procedures - Line Marker

1. ROW Marker Requirements *Does the process address how line markers are to be placed and maintained?* (PD.RW.ROWMARKER.P) (detail) 195.402(a) (195.410(a); 195.410(c); API RP 1162, Section 2.7; API RP 1162, Section 8)

Notes

Procedures - Right of Way

1. ROW Inspection Requirements *Does the process require ROW surface conditions and crossings under navigable waterways be inspected, and is reporting and appropriate mitigation required for findings from said inspections?* (PD.RW.PATROL.P) (detail) 195.402(a) (195.412(a); 195.412(b))

Notes

Procedures - Offshore Inspection

1. Identification of GOM Pipeline Hazards *Does the process require identification of pipelines in the Gulf of Mexico at risk of being exposed underwater or hazards to navigation?* (PD.RW.GOMHAZARD.P) (detail) 195.413(a) (195.413(b); 195.413(c))

Notes

2. Offshore Pipeline Condition Reports *Does the process require a report to be submitted within 60 days after completing inspection of underwater pipelines in GOM and its inlets? (RPT.RR.SRCROFFSHORE.P) (detail) 195.402(a) (195.57)*

Notes

Procedures - Valve Maintenance

1. Valve Maintenance *Does the process contain procedures for maintaining each valve in good working order that is necessary for safe operation of the pipeline system? (MO.LM.VALVEMAJNT.P) (detail) 195.402(c)(3) (195.420(a))*

Notes

2. Valve Maintenance - Biannual *Does the process contain procedures for inspecting each mainline valve to determine that it is functioning properly at intervals not exceeding 7-1/2 months, but at least twice each calendar year? (MO.LM.VALVEMAJNTBIANN.P) (detail) 195.402(c)(3) (195.420(b))*

Notes

3. Valve Protection *Does the process contain procedures for providing protection for each valve from unauthorized operation and from vandalism? (MO.LM.VALVEPROTECT.P) (detail) 195.402(c)(3) (195.420(c))*

Notes

Procedures - Pipe Movement

1. Pipe Movement *Has a process been developed for pipeline movements in accordance with §195.424? (DC.MO.MOVE.P) (detail) 195.402(a) (195.424(a); 195.424(b); 195.424(c))*

Notes

Procedures - Scraper and Sphere

1. Launcher and Receiver Pressure Relief *Does the process include requirements for relief devices and their proper use for launchers and receivers? (MO.LMOPP.LAUNCHRECVRELIEF.P) (detail) 195.402(c)(3) (195.426)*

Notes

Procedures - Overpressure Safety Devices

1. Over Pressure Protection *Does the process contain procedures for inspecting and testing each pressure limiting device, relief valve, pressure regulator, or other items of pressure control equipment to determine that it is functioning properly, in good mechanical condition, has adequate capacity, and is reliable on non-HVL pipelines at intervals not to exceed 15 months, but at least once each calendar year? (MO.LMOPP.PRESSREGTEST.P) (detail) 195.402(c)(3) (195.428(a))*

Notes

2. Over Pressure Protection - HVL Does the process contain procedures for inspecting and testing each pressure limiting device, relief valve, pressure regulator, or other items of pressure control equipment to determine that it is functioning properly, in good mechanical condition, has adequate capacity, and is reliable on HVL pipelines at intervals not to exceed 7-1/2 months, but at least twice each calendar year? (MO.LMOPP.PRESSREGTESTHVL.P) (detail) 195.402(c)(3) (195.428(a))

Notes

3. Testing HVL Breakout Tank Reliefs Does the process require inspection and testing of pressure relief valves on HVL pressure breakout tanks at the required frequency? (FS.TS.PRVTTESTHVLBO.P) (detail) 195.402(c)(3) (195.428(b))

Notes

4. Breakout Tank Overfill Protection Does the process require adequate testing and inspection of overfill devices on aboveground breakout tanks at the required interval? [Note: This question applies to both non-HVL and HVL pressure breakout tanks.] (FS.TS.OVERFILLBO.P) (detail) 195.402(c)(3) (195.428(a); 195.428(c); 195.428(d))

Notes

Procedures - Fire Fighting

1. Firefighting Equipment Does the process require firefighting equipment at pump station/breakout tank areas? (FS.FG.FIREPROT.P) (detail) 195.402(c)(3) (195.430(a); 195.430(b); 195.430(c))

Notes

Procedures - Sign

1. Signage Does the process require operator signs to be posted around each pump station and breakout tank area? (FS.FG.SIGNAGE.P) (detail) 195.402(c)(3) (195.434)

Notes

Procedures - Security

1. Facility Protection Does the process require facilities to be protected from vandalism and unauthorized entry? (FS.FG.PROTECTION.P) (detail) 195.402(c)(3) (195.436)

Notes

Procedures - Smoking or Open Flame

1. Smoking/Open Flames *Does the process prohibit smoking and open flames in each pump station and breakout tank area or where there is the possibility of the leakage of a flammable hazardous liquid or of the presence of flammable vapors?* (FS.FG.IGNITION.P) (detail) 195.402(c)(3) (195.438)

Notes

Procedures - Public Awareness

1. Public Education Program *Has the continuing public education (awareness) program been established as required?* (PD.PA.PROGRAM.P) (detail) 195.440(a) (195.440(h))

Notes

2. Management Support of Public Awareness Program *Does the operator's program documentation demonstrate management support?* (PD.PA.MGMTSUPPORT.P) (detail) 195.440(a) (API RP 1162 Section 2.5; API RP 1162 Section 7.1)

Notes

3. Asset Identification *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) 195.440(b) (API RP 1162, Section 2.7 Step 4)

Notes

4. Audience Identification *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) 195.440(d) (195.440(e); 195.440(f); API RP 1162 Section 2.2; API RP1162 Section 3)

Notes

5. Messages, Delivery Methods, and Frequencies *Does the program define the combination of messages, delivery methods, and delivery frequencies to comprehensively reach all affected stakeholder audiences in all areas where hazardous liquid or carbon dioxide is transported?* (PD.PA.MESSAGES.P) (detail) 195.440(c) (API RP 1162 Section 3; API RP 1162 Section 4; API RP 1162 Section 5)

Notes

6. Consideration of Supplemental Enhancements *Were relevant factors considered to determine the need for supplemental public awareness program enhancements for each stakeholder audience along all pipeline systems, as described in API RP 1162?* (PD.PA.SUPPLEMENTAL.P) (detail) 195.440(c) (API RP 1162 Section 6.2)

Notes

7. Other Languages *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) 195.440(g) (API RP 1162 Section 2.3.1)

Notes

8. Evaluation Plan *Does the program include a process that specifies how program implementation and effectiveness will be periodically evaluated?* (PD.PA.EVALPLAN.P) (detail) 195.440(i) (195.440(c); API RP 1162 Section 8; API RP 1162 Appendix E)

Notes

Procedures - Damage Prevention

1. Documented Damage Prevention Program *Does the operator have a damage prevention program approved and in place?* (PD.OC.PROGRAM.P) (detail) 195.442(a)

Notes

2. Participation in Qualified One-Call Systems *Does the process require participation in qualified one-call systems?* (PD.OC.ONECALL.P) (detail) 195.442(a) (195.442(b); CGA Best Practices, v4.0, Practice 3-4)

Notes

3. Documented Damage Prevention Program - TPD *Does the process specify how reports of Third Party Activity and names of associated contractors or excavators are input back into the mail-outs and communications with excavators along the system?* (PD.OC.TPD.P) (detail) 195.442(a) (195.442(b); 195.442(c)(1))

Notes

4. Documented Damage Prevention Program *Does the process include public notification requirements?* (PD.OC.PUBLICNOTIFY.P) (detail) 195.442(a) (195.442(c)(2))

Notes

5. Documented Damage Prevention Program - TPD/One-Call *Does the process specify how reports of TPD are checked against One-Call tickets?* (PD.OC.TPDONECALL.P) (detail) 195.442(a) (195.442(b); 195.442(c)(3))

Notes

6. Construction Marking *Does the process require marking proposed excavation sites to CGA Best Practices or use more stringent and accurate requirements?* (PD.OC.EXCAVATEMARK.P) (detail) 195.442(a) (195.442(b); 195.442(c)(4); 195.442(c)(5))

Notes

7. Documented Damage Prevention Program *Does the process include inspection of pipelines that could be damaged by excavation activities?* (PD.OC.EXCAVATE.P) (detail) 195.442(a) (195.442(c)(6))

Notes

Procedures - CPM/Leak Detection

*** 1. Requirements for CPM Systems** *If Computational Pipeline Monitoring (CPM) is used, does it comply with guidance in API 1130 requirements in design, operating, maintaining, testing, record-keeping, and dispatcher training? (DC.DN.CPMDESIGN.P) (detail) 195.134*

Notes

*** 2. Requirements for CPM Systems** *If Computational Pipeline Monitoring (CPM) is used, does it comply with guidance in API 1130 requirements in operating, maintaining, testing, record-keeping, and dispatcher training? (CR.LD.CPM.P) (detail) 195.402(a) (195.444; 195.446(b); 195.446(c))*

Notes

Procedures – Control Room Management

See separate “Control Room Management” question set.

Procedures - Corrosion

1. Corrosion Control Supervision *Is there a process for verifying that corrosion control supervisors maintain a thorough knowledge of corrosion control procedures for which they are responsible? (TD.CP.SUPERVISE.P) (detail) 195.402(c)(3) (195.555)*

Notes

2. New Buried Pipe Coating *Does the process require coatings for pipelines constructed, relocated, replaced, or otherwise changed after the applicable date in §195.401(c) to meet the requirements of §195.559? (TD.COAT.NEWPIPE.P) (detail) 195.402(c)(3) (195.557(a); 195.559; 195.401(c))*

Notes

3. Exposed Pipe Coating Repair *Does the process require that deteriorated coating be repaired when found on exposed buried pipe? (TD.COAT.EXPOSEREPAIR.P) (detail) 195.402(c)(3) (195.561(b); 195.557(a); 195.557(b))*

Notes

4. Converted Buried Pipe Coating *Does the process require that pipelines that have been converted to liquid service and were constructed after the applicable date in §195.401(c) have external coating? (TD.COAT.CONVERTPIPE.P) (detail) 195.402(c)(3) (195.557(b); 195.559)*

Notes

5. New Buried Pipe Coating Inspection *Does the process require that the coating be inspected on new pipelines just prior to it being lowered into the pipe trench? (TD.COAT.NEWPIPEINSPECT.P) (detail) 195.402(c)(3) (195.561(a); 195.561(b))*

Notes

6. Cathodic Protection for New Pipelines *Does the process specify when cathodic protection must be operational on constructed, relocated, replaced, or otherwise changed pipelines?* (TD.CP.NEWOPERATE.P) (detail) 195.402(c)(3) (195.563(a); 195.563(c); 195.563(d))

Notes

7. Cathodic Protection for Converted Pipelines *Do procedures specify when cathodic protection must be operational on pipelines that have gone through a conversion to service?* (TD.CP.CONVERTOPERATE.P) (detail) 195.402(c)(3) (195.563(b))

Notes

8. Unprotected Buried Pipelines (typically bare pipelines) *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) 195.402(c)(3) (195.563(e); 195.573(b)(1); 195.573(b)(2))

Notes

9. Test Leads Installation *Does the process provide adequate instructions for the installation of test leads?* (TD.CP.MONITOR.TESTLEADINSTALL.P) (detail) 195.402(c) (195.567(b))

Notes

10. Test Leads Maintenance *Does the process require that test lead wires must be properly maintained?* (TD.CP.MONITOR.TESTLEADMAINT.P) (detail) 195.402(c)(3) (195.567(c))

Notes

11. Examination of Exposed Portions of Buried Pipe *Does the process require that exposed portions of buried pipeline must be examined?* (TD.CPEXPOSED.EXPOSEINSPECT.P) (detail) 195.402(c)(3) (195.569)

Notes

12. Examination of Exposed Portions of Buried Pipe *Does the process require further examination of exposed buried pipe if corrosion is found?* (TD.CPEXPOSED.EXPOSECORRODE.P) (detail) 195.402(c)(3) (195.569)

Notes

*** 13. Cathodic Protection Monitoring Criteria** *Does the process require that CP monitoring criteria be used that is acceptable?* (TD.CP.MONITOR.MONITORCRITERIA.P) (detail) 195.402(c)(3) (195.571)

Notes

14. Cathodic Protection Monitoring *Does the process adequately describe how to monitor CP that has been applied to pipelines?* (TD.CP.MONITOR.TEST.P) (detail) 195.402(c)(3) (195.573(a)(1))

Notes

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*** 15. Close Interval Surveys** *Does the process adequately describe the circumstances in which a CIS or comparable technology is practicable and necessary no more than 2 years after a cathodic protection system has been installed?* (TD.CP.MONITOR.CIS.P) (detail) 195.402(c)(3) (195.573(a)(2))

Notes

16. Rectifiers, Bonds, Diodes and Reverse Current Switches *Does the process give sufficient details for making electrical checks of rectifiers, interference bonds, diodes, and reverse current switches?* (TD.CP.MONITOR.CURRENTTEST.P) (detail) 195.402(c)(3) (195.573(c))

Notes

17. Cathodic Protection for Breakout Tanks *Does the process adequately detail when and how cathodic protection systems will be inspected on breakout tanks?* (TD.CP.BO.BO.P) (detail) 195.402(c)(3) (195.573(d))

Notes

18. Correction of Corrosion Control Deficiencies *Does the process require correction of any identified deficiencies in corrosion control?* (TD.CP.DEFICIENCY.P) (detail) 195.402(c)(3) (195.573(e))

Notes

19. Isolation from Other Metallic Structures *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.ISOLATE.P) (detail) 195.402(c)(3) (195.575(a); 195.575(b); 195.575(c); 195.575(d))

Notes

20. Interference Currents *Does the process give sufficient guidance and detail for identifying and testing areas of potential stray current, and minimizing the detrimental effects of stray currents?* (TD.CP.MONITOR.INTFRCURRENT.P) (detail) 195.402(c)(3) (195.577(a); 195.577(b))

Notes

21. Internal Corrosion Remediation *Does the process give adequate guidance for investigating and remediating the corrosive effects of hazardous liquids or carbon dioxide being transported?* (TD.ICP.INVESTREMED.P) (detail) 195.402(c)(3) (195.579(a))

Notes

22. Internal Corrosion Inhibitor Monitoring *Does the process give adequate direction for the monitoring of corrosion inhibitors?* (TD.ICP.INHIBITOR.P) (detail) 195.402(c)(3) (195.579(b)(1); 195.579(b)(2); 195.579(b)(3))

Notes

23. Internal Corrosion in Cutout Pipe *Does the process direct personnel to examine removed pipe for evidence of internal corrosion?* (TD.ICP.EXAMINE.P) (detail) 195.402(c)(3) (195.579(c))

Notes

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24. Atmospheric Corrosion Coating *Does the process give adequate instruction for the protection of pipeline against atmospheric corrosion?* (TD.ATM.ATMCORRODECOAT.P) (detail) 195.402(c)(3) (195.581(a); 195.581(b); 195.581(c))

Notes

25. Atmospheric Corrosion Monitoring *Does the process give adequate instruction for the inspection of aboveground pipeline segments exposed to the atmosphere?* (TD.ATM.ATMCORRODEINSP.P) (detail) 195.402(c)(3) (195.583(a); 195.583(b); 195.583(c))

Notes

26. Repair of Externally Corroded Pipe *Does the process give sufficient guidance for personnel to repair or replace pipe that is externally to an extent that there is not sufficient remaining strength in the pipe wall?* (TD.CPEXPOSED.EXTCORRODEREPAIR.P) (detail) 195.402(c)(3) (195.585(a); 195.585(b))

Notes

27. Evaluation of Externally Corroded Pipe *Does the process give sufficient guidance for personnel to evaluate the remaining strength of externally corroded pipe?* (TD.CPEXPOSED.EXTCORRODEEVAL.P) (detail) 195.402(c)(3) (195.587)

Notes

28. Evaluation of Internally Corroded Pipe *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) 195.402(c)(3) (195.587)

Notes

29. Cathodic Protection System Maps and Records *Does the process require maps and/or records of cathodic protection systems that have been installed on pipelines constructed, relocated, replaced, converted to hazardous liquid service, or otherwise changed?* (TD.CP.MAPRECORD.P) (detail) 195.589(a) (195.589(b))

Notes

Field Review - Field Review

1. Pump Station Fire Protection *Has motive power, separate from pump station power, been provided for that fire protection equipment that incorporates pumps?* (FS.FG.PSFIREPROTPWR.O) (detail) 195.262(e)

Notes

2. Pump Station Ventilation *Has adequate ventilation been provided at pump station buildings?* (FS.PS.VENTILATION.O) (detail) 195.262(a)

Notes

3. Pump Station Vapors *Have warning devices that warn of the presence of hazardous vapors been installed at new pump station buildings?* (FS.PS.VAPORALARM.O) (detail) 195.262(a)

Notes

4. Pump Station Emergency Shutdown Devices *Has a device for activating emergency shutdown of the pump station been installed?* (FS.PS.PSESD.O) (detail) 195.262(b)

Notes

5. Pump Station Auxiliary Power *If power is needed to actuate safety devices, has an auxiliary power supply been provided?* (FS.PS.PSAUXPWR.O) (detail) 195.262(b)

Notes

6. Pump Station Location *Has on-shore pumping equipment been installed on property under the control of the operator and is that equipment at least 50 feet from the boundary of that property?* (FS.PS.PSLOCATION.O) (detail) 195.262(d)

Notes

7. Pump Station Overpressure Devices *Have safety devices been installed to prevent over-pressuring new or modified pumping equipment?* (FS.PS.PSOVERPRESS.O) (detail) 195.262(b)

Notes

8. Pressure Testing *Is pressure testing being adequately conducted?* (DC.PT.PRESSTEST.O) (detail) 195.302(a) (195.304; 195.305(a); 195.305(b); 195.306(a); 195.306(b); 195.306(c); 195.306(d); 195.307(a); 195.307(b); 195.307(c); 195.307(d); 195.307(e); 195.308)

Notes

9. Emergency Response Supervisor Training *Do emergency response supervisors demonstrate adequate skills and knowledge?* (EP.ETR.TRAININGSUPERVISE.O) (detail) 195.403(c)

Notes

10. Placement of ROW Markers *Are line markers placed and maintained as required?* (PD.RW.ROWMRKR.O) (detail) 195.410(a) (195.410(b); 195.410(c); CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20)

Notes

11. ROW Conditions *Are the ROW conditions acceptable for the type of patrolling used?* (PD.RW.ROWCONDITION.O) (detail) 195.412(a)

Notes

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12. Valve Maintenance *Do the pipeline system valves appear to be in good working order and are they protected from unauthorized operation?* (MO.LM.VALVEMAJNT.O) (detail) 195.420(a) (195.420(c))

Notes

13. Valve protection *Are valves protected from unauthorized operation and vandalism?* (FS.VA.VALVEPROTECT.O) (detail) 195.420(c)

Notes

14. Launcher and Receiver Pressure Relief *Are launchers and receivers equipped with relief devices?* (MO.LMOPP.LAUNCHRECVRELIEF.O) (detail) 195.426

Notes

15. Breakout Tank Overfill Protection *Do selected overfill protection systems on aboveground breakout tanks that were constructed or significantly altered after October 2, 2000 function properly and are they in good mechanical condition? [Note: This question applies to both non-HVL and HVL pressure breakout tanks.]* (FS.TS.OVERFILLBO.O) (detail) 195.428(c)

Notes

16. Over Pressure Protection *Are inspections of overpressure safety devices adequate (including HVL lines)?* (MO.LMOPP.PRESSREGTEST.O) (detail) 195.428(a)

Notes

17. HVL Breakout Tank Pressure Relief *Do pressure control devices installed on HVL pressure breakout tanks appear to be in satisfactory mechanical condition and to be functioning properly?* (FS.TS.PRVTSTHVLBO.O) (detail) 195.428(a)

Notes

18. Breakout Tank Inspection *Is the condition of steel atmospheric or low pressure tanks acceptable?* (FS.TS.BOINSPECTION.O) (detail) 195.432(a) (195.432(b); 195.432(c); 195.401(b))

Notes

19. Signage *Are there operator signs around each pumping station, breakout tank area, and other applicable facilities?* (FS.FG.SIGNAGE.O) (detail) 195.434

Notes

20. Facility Protection *Are facilities adequately protected from vandalism and unauthorized entry?* (FS.FG.FACPROTECT.O) (detail) 195.436

Notes

21. Pump Station Fire Protection *Has adequate fire protection equipment been installed at pump station/breakout tank areas and is it maintained properly?* (FS.FG.FIREPROT.O) (detail) 195.430(a) (195.430(b); 195.430(c); 195.262(e))

Notes

22. Smoking/Open flames *Is there signage that prohibits smoking and open flames around pump stations, launchers and receivers, breakout tank areas, or other applicable facilities?* (FS.FG.IGNITION.O) (detail) 195.438

Notes

*** 23. Overpressure Limits** *Are controllers aware of the current MOPs of all pipeline segments for which they are responsible, and have they been assigned the responsibility to maintain those pipelines at or below the MOP?* (CR.CRMRR.PRESSLIMITS.O) (detail) 195.446(b)(2)

Notes

24. Cathodic Protection Monitoring *Does the operator perform cathodic protection monitoring tests correctly?* (TD.CPMONITOR.CPTEST.O) (detail) 195.571

Notes

25. Rectifiers, Bonds, Diodes and Reverse Current Switches *Are rectifiers, interference bonds, diodes, and reverse current switches properly maintained and are they functioning properly?* (TD.CPMONITOR.CURRENTTEST.O) (detail) 195.573(c)

Notes

26. Cathodic Protection for Breakout Tanks *Are cathodic protection monitoring tests performed correctly on breakout tank bottoms?* (TD.CPBO.BO.O) (detail) 195.573(d)

Notes

27. Isolation from Other Metallic Structures *Are measures performed to ensure 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.ISOLATE.O) (detail) 195.575(a) (195.575(b); 195.575(c); 195.575(d))

Notes

28. Atmospheric Corrosion Monitoring *Is aboveground pipe that is exposed to atmospheric corrosion protected?* (TD.ATM.ATMCORRODEINSP.O) (detail) 195.583(c) (195.581(a))

Notes

Performance and Records Review - Conversion to Service

1. Conversion to Service *Do records indicate the process was followed for converting any pipelines into Part 195 service? (MO.LC.CONVERSION.R) (detail) 195.5(c) (195.5(a))*

Notes

Performance and Records Review - Reporting

1. Annual Report Records *Have complete and accurate Annual Reports been submitted? (RPT.RR.ANNUALREPORT.R) (detail) 195.49*

Notes

2. Immediate Reporting: Accidents *Do records indicate immediate notifications of accidents were made in accordance with §195.52(a)? (RPT.RR.IMMEDREPORT.R) (detail) 195.52(a)*

Notes

3. Accident Reports *Do records indicate the original accident reports were filed as required? (RPT.RR.ACCIDENTREPORT.R) (detail) 195.54(a) (195.50(a); 195.50(b); 195.50(c); 195.50(d); 195.50(e))*

Notes

4. Supplemental Accident Reports *Do records indicate accurate supplemental accident reports were filed and within the required timeframe? (RPT.RR.ACCIDENTREPORTSUPP.R) (detail) 195.54(b)*

Notes

5. Safety Related Condition Reports *Do records indicate safety-related condition reports were filed as required? (RPT.RR.SRCR.R) (detail) 195.56(a) (195.55(a))*

Notes

6. Offshore Pipeline Condition Reports *Do records indicate reports were submitted within 60 days of completing inspection of underwater pipelines? (RPT.RR.SRCROFFSHORE.R) (detail) 195.413(a) (195.57)*

Notes

7. NPMS: Abandoned Underwater Facility Reports *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) 195.59(a)*

Notes

8. NPMS: Annual Updates *Do records indicate: NPMS submissions are updated every 12 months if system modifications (excludes distribution lines and gathering lines) occurred, and if no modifications occurred an email to that effect was submitted?* (RPT.RR.NPMSANNUAL.R) (detail) Pipeline Safety Improvement Act of 2002 (49 USC 60132) (Advisory Bulletin ADB-03-02; Advisory Bulletin ADB-08-07)

Notes

Performance and Records Review - Construction

1. Inspector Training *Are training records available for those performing inspections?* (TQ.TROMCONST.INSPECTORTRAIN.R) (detail) 195.204

Notes

2. Qualification of Inspectors *Are adequate qualification records available for personnel who conduct pipe or pipeline system construction inspections?* (TQ.QUOMCONST.INSPECTORQUAL.R) (detail) 195.204

Notes

3. Welding Procedures *Do records indicate welding procedures and qualifying tests recorded in detail?* (DC.WELDPROCEDURE.WELDPROCEDURE.R) (detail) 195.214(b)

Notes

4. Qualification of Welders *Do records indicate that welders are qualified in accordance with API-1104 or the ASME Boiler & Pressure Vessel Code?* (DC.WELDERQUAL.WELDERQUAL.R) (detail) 195.222(a) (195.222(b); 195.214(a); Section 6 of API-1104; Section IX of ASME Boiler & Pressure Vessel Code)

Notes

5. Training for Nondestructive Testing *Is training for personnel, who perform nondestructive testing of welds, documented and demonstrated?* (TQ.TROMCONST.NDT.R) (detail) 195.234(b)(2)

Notes

6. Cathodic Protection for New Pipelines *Do records document when cathodic protection was operational on constructed, relocated, replaced, or otherwise changed pipelines within the last 5 years?* (TD.CP.NEWOPERATE.R) (detail) 195.589(c) (195.563(a))

Notes

7. Construction Records *Do records indicate that construction records are being maintained for the life of each pipeline?* (DC.CO.RECORDS.R) (detail) 195.266(a) (195.266(b); 195.266(c); 195.266(d); 195.266(e); 195.266(f))

Notes

8. Nondestructive Testing of Girth Welds *Do records demonstrate at least 10% of all welds that are made by each welder during each welding day are nondestructively tested over the entire circumference of the welds or that more welds are tested per the operator's own procedures?* (DC.WELDINSP.GIRTHWELDNDT.R) (detail) 195.234(d) (195.266(a))

Notes

9. Nondestructive Testing of Girth Welds - Locations *Do records demonstrate all girth welds installed each day in selected locations specified in §195.234(e) are nondestructively tested over their entire circumference?* (DC.WELDINSP.GIRTHWELDNDTLOCATE.R) (detail) 195.234(e) (195.266(a))

Notes

10. Nondestructive Testing of Girth Welds - Used Pipe *Do records demonstrate that when installing used pipe, 100% of the old girth welds are nondestructively tested?* (DC.WELDINSP.GIRTHWELDNDTUSED.R) (detail) 195.234(f) (195.266(a))

Notes

11. Nondestructive Testing of Girth Welds - Pipe Tie-Ins *Do records demonstrate 100% of the girth welds have been nondestructively tested at selected pipe tie-ins?* (DC.WELDINSP.GIRTHWELDNDTTIEIN.R) (detail) 195.234(g) (195.266(a))

Notes

Performance and Records Review - Pressure Testing

1. Pressure Testing *Are pressure test records available and adequate?* (DC.PT.PRESSTEST.R) (detail) 195.310 (195.305(b))

Notes

2. Pressure Testing of Tie-Ins *Do records indicate pipe associated with tie-ins has been pressure tested?* (DC.PT.PRESSTESTTIEIN.R) (detail) 195.308

Notes

Performance and Records Review - Operations and Maintenance

1. O&M Manual Review *Do records indicate annual reviews of the written procedures in the manual were conducted as required?* (MO.LO.OMMANUALREVIEW.R) (detail) 195.402(a)

Notes

2. Normal Maintenance and Operations - Abandoning *Did the operator abandon pipeline segments in accordance with the written procedures?* (MO.LO.ABANDON.R) (detail) 195.402(a) (195.402(c)(10))

Notes

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3. Liaison with Public Officials *Do records indicate liaisons are established and maintained with appropriate fire, police and other public officials and utility owners in accordance with procedures? (EP.ERL.LIAISON.R) (detail) 195.402(a) (195.402(c)(12))*

Notes

4. Normal Maintenance and Operations - Effectiveness Review *Do records indicate periodic review of the work done by operator personnel to determine the effectiveness of the procedures used in normal operation and maintenance and corrective action taken where deficiencies are found? (MO.LO.OMEFFECTREVIEW.R) (detail) 195.402(a) (195.402(c)(13))*

Notes

5. Abnormal Operating Procedures *Do records indicate operator's personnel responded to indications of abnormal operations as required by the written procedures? (MO.ABNORMAL.ABNORMAL.R) (detail) 195.404(b) (195.402(d)(1))*

Notes

6. Abnormal Operating Procedures - Effectiveness Review *Do records indicate post-event reviews of actions taken by operator personnel to determine the effectiveness of the abnormal operation procedures and whether corrective actions were taken deficiencies were found? (MO.ABNORMAL.ABNORMALREVIEW.R) (detail) 195.404(b) (195.402(d)(5))*

Notes

7. Receiving Notices *Do records indicate receiving, identifying, classifying and communicating notices of events requiring immediate response in accordance with procedures? (EP.ERL.NOTICES.R) (detail) 195.402(a) (195.402(e)(1))*

Notes

8. Authority Notification *Do records indicate that notifications were made to fire, police, and other appropriate public officials of hazardous liquid emergencies and were coordinated with preplanned and actual responses (including additional precautions necessary for an emergency involving HVLs)? (EP.ERL.AUTHORITIES.R) (detail) 195.402(a) (195.402(e)(7))*

Notes

9. Emergency Response - Post-Accident Review *Do records indicate post accident reviews of employee activities were performed to determine whether the procedures were effective in each emergency and take corrective action where deficiencies are found? (EP.ERL.POSTEVNTREVIEW.R) (detail) 195.402(a) (195.402(e)(7); 195.402(e)(9))*

Notes

10. Emergency Response Training *Do records indicate the operator provided training to its emergency response personnel as required? (EP.ETR.TRAINING.R) (detail) 195.403(a)*

Notes

11. Emergency Response Training Performance *Have annual reviews of the emergency response training program been conducted appropriate changes made as necessary to ensure it is effective? (EP.ETR.TRAININGREVIEW.R) (detail) 195.403(b)*

Notes

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12. Emergency Response Supervisor Training *Do records indicate verification that supervisors are knowledgeable of emergency response procedures for which they are responsible?* (EP.ETR.TRAININGSUPERVISE.R) (detail) 195.403(c)

Notes

13. Normal Maintenance and Operations - History *Do records indicate current maps and records of its pipeline systems are maintained and made available as necessary?* (MO.LO.OMHISTORY.R) (detail) 195.404(a) (195.404(b); 195.404(c); 195.9; 195.402(c)(1))

Notes

14. Establishing Maximum Operating Pressure *Do records indicate the maximum operating pressure was established in accordance with §195.406?* (MO.LOMOP.MOPDETERMINE.R) (detail) 195.402(c)(3) (195.406(a); 195.406(b); 195.302(b); 195.302(c))

Notes

15. Communication System Requirements *Do records indicate emergency communication system(s) use was as required?* (EP.ERL.COMMSYS.R) (detail) 195.408(b)

Notes

16. ROW Inspection Requirements *Do records indicate ROW surface conditions and crossings under navigable waterways were inspected, and reporting and appropriate mitigation performed?* (PD.RW.PATROL.R) (detail) 195.412(a) (195.412(b))

Notes

17. Identification of GOM Pipeline Hazards *Do records indicate steps taken to identify pipelines in the Gulf of Mexico at risk of being exposed underwater pipelines or hazards to navigation?* (PD.RW.GOMHAZARD.R) (detail) 195.413(b) (195.413(c))

Notes

18. Valve Maintenance *Do records indicate each mainline valve was inspected as required?* (MO.LM.VALVEMAIN.T.R) (detail) 195.404(c) (195.420(a); 195.420(b))

Notes

19. Over Pressure Protection *Do records indicate inspection and testing of each overpressure safety device on its non-HVL pipelines at intervals not to exceed 15 months, but at least once each calendar year?* (MO.LMOPP.PRESSREGTEST.R) (detail) 195.404(c) (195.428(a))

Notes

20. Over Pressure Protection - HVL *Do records indicate inspection and testing of each overpressure safety device on HVL pipelines at intervals not to exceed 7-1/2 months, but at least twice each calendar year?* (MO.LMOPP.PRESSREGTESTHVL.R) (detail) 195.404(c) (195.428(a))

Notes

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21. Firefighting Equipment *Are records of inspections of firefighting equipment adequate? (FS.FG.FIREPROT.R) (detail) 195.404(c)(3) (195.430(a); 195.430(b); 195.430(c))*

Notes

22. Breakout Tank Inspection *Do records document that breakout tanks that are not steel atmospheric or low pressure tanks or HVL steel tanks built according to API 2510 have been inspected at the proper interval and that deficiencies found during inspections have been corrected? (FS.TSAPIINSPECT.BOINSPECTION.R) (detail) 195.404(c)(3) (195.432(a))*

Notes

23. Breakout Tank Inspection - In-service *Do records document that steel atmospheric or low pressure breakout tanks have received routine in-service inspections at the required intervals and that deficiencies found during inspections have been documented? (FS.TSAPIINSPECT.BOINSRVCINSP.R) (detail) 195.404(c)(3) (195.432(b))*

Notes

24. Breakout Tank Inspection - External *Do records document that steel atmospheric or low pressure breakout tanks have received external inspections at the required intervals and that deficiencies documented during inspections have been corrected within a reasonable time frame? (FS.TSAPIINSPECT.BOEXTINSP.R) (detail) 195.404(c)(3) (195.432(b))*

Notes

25. Breakout Tank Inspection - External UT *Do records document that steel atmospheric or low pressure breakout tanks have received ultrasonic thickness inspections at the required intervals and that deficiencies found during inspections have been documented? (FS.TSAPIINSPECT.BOEXTUTINSP.R) (detail) 195.404(c)(3) (195.432(b))*

Notes

26. Breakout Tank Inspection - Internal *Do records document that steel atmospheric or low pressure breakout tanks have received formal internal inspections at the required intervals and that deficiencies found during inspections have been documented? (FS.TSAPIINSPECT.BOINTINSP.R) (detail) 195.404(c)(3) (195.432(b))*

Notes

27. Breakout Tank Inspection - External Visual *Do records document that in-service pressure steel aboveground breakout tanks built to API Standard 2510 have received visual external inspections at the required intervals and that deficiencies found have been corrected? (FS.TSAPIINSPECT.BOEXTINSPAPI2510.R) (detail) 195.404(c)(3) (195.432(c))*

Notes

28. Breakout Tank Inspection - Internal In-service *Do records document that in-service pressure steel aboveground breakout tanks built to API Standard 2510 received internal inspections at the required intervals and that deficiencies found have been corrected? (FS.TSAPIINSPECT.BOINTINSPAPI2510.R) (detail) 195.404(c)(3) (195.432(c))*

Notes

Performance and Records Review - Public Awareness

1. Audience Identification Records *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.AUDIENID.R) (detail) 195.440(d) (195.440(e); 195.440(f); API RP 1162 Section 2.2; API RP 1162 Section 3)

Notes

2. Educational Provisions *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 hazardous liquid or carbon dioxide pipeline facility; (3) Physical indications of a possible release; (4) Steps to be taken for public safety in the event of a hazardous liquid or carbon dioxide pipeline release; and (5) Procedures to report such an event?* (PD.PA.EDUCATE.R) (detail) 195.440(d) (195.440(f))

Notes

3. Messages on Pipeline Facility Locations *Were messages developed and delivered to advise affected municipalities, school districts, businesses, and residents of pipeline facility location?* (PD.PA.LOCATIONMESSAGE.R) (detail) 195.440(e) (195.440(f))

Notes

4. Baseline Message Delivery Frequency *Did the delivery of materials and messages meet or exceed the baseline delivery frequencies specified in API RP 1162, Table 2-1?* (PD.PA.MESSAGEFREQUENCY.R) (detail) 195.440(c) (API RP 1162 Table 2-1)

Notes

5. Liaison with Emergency and Other Public Officials *Have liaisons been established and maintained with appropriate fire, police, and other public officials?* (PD.PA.LIAISON.R) (detail) 195.440(c) (API RP 1162 Section 4.4)

Notes

6. Other Languages *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) 195.440(g) (API RP 1162 Section 2.3.1)

Notes

7. Evaluate Program Implementation *Has an audit or review of the public awareness program implementation been performed annually since the program was developed?* (PD.PA.EVALIMPL.R) (detail) 195.440(c) (195.440(i); API RP 1162 Section 8.3)

Notes

8. Acceptable Methods for Program Implementation Audits *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 the public awareness program implementation?* (PD.PA.AUDITMETHODS.R) (detail) 195.440(c) (195.440(i); API RP 1162 Section 8.3)

Notes

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9. Program Changes and Improvements *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) 195.440(c) (API RP 1162 Section 8.3)

Notes

10. Evaluating Program Effectiveness *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) 195.440(c) (API RP 1162 Sections 8.4)

Notes

11. Measure Program Outreach *In evaluating effectiveness, was actual program outreach for each stakeholder audience tracked?* (PD.PA.MEASUREOUTREACH.R) (detail) 195.440(c) (API RP 1162 Section 8.4.1)

Notes

12. Measure Understandability of Message Content *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) 195.440(c) (API RP 1162 Section 8.4.2)

Notes

13. Measure Desired Stakeholder Behavior *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) 195.440(c) (API RP 1162 Section 8.4.3)

Notes

14. Measure Bottom-Line Results *Did the operator attempt to measure bottom-line results of the program 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) 195.440(c) (API RP 1162 Section 8.4.4)

Notes

15. Program Changes *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) 195.440(c) (API RP 1162 Section 2.7 (Step 12); API RP 1162 Section 8.5)

Notes

Performance and Records Review - Damage Prevention

1. Program Requirements *Do records indicate the damage prevention program is being carried out as written?* (PD.OC.PROGRAM.R) (detail) 195.442(a)

Notes

Performance and Records Review - Operator Qualification

1. Qualification Records for Personnel Performing Covered Tasks *Do records indicate personnel qualification records contain the required elements?* (TQ.OQ.RECORDS.R) (detail) 195.507(a) (195.507(b))

Notes

2. Contractor and Other Entity Qualification *Are qualification records available for contractor personnel that contain the required elements?* (TQ.OQ.OQCONTRACTOR.R) (detail) 195.507(a) (195.507(b))

Notes

Performance and Records Review - Corrosion Control

1. Corrosion Control Supervision *Do records document that corrosion control supervisors have maintained a thorough knowledge of corrosion control procedures for which they are responsible?* (TD.CP.SUPERVISE.R) (detail) 195.589(c) (195.555)

Notes

2. Test Leads Maintenance *Do records document that CP test lead wires have been properly maintained?* (TD.CPMONITOR.TESTLEADMAINT.R) (detail) 195.589(c) (195.567(c))

Notes

3. Examination of Exposed Portions of Buried Pipe *Do records document that exposed buried piping was adequately examined for corrosion?* (TD.CPEXPOSED.EXPOSEINSPECT.R) (detail) 195.589(c) (195.569)

Notes

4. Cathodic Protection Monitoring *Do records document required monitoring tests have occurred and that adequate cathodic protection levels exist?* (TD.CPMONITOR.TEST.R) (detail) 195.589(c) (195.573(a)(1))

Notes

5. Close Interval Surveys *Do records document, when circumstances dictated a need for close interval surveys, dates of completed surveys, data from completed surveys and analysis of completed surveys?* (TD.CPMONITOR.CIS.R) (detail) 195.589(c) (195.573(a)(2))

Notes

6. Unprotected Buried Pipelines (typically bare pipelines) *Do records document the adequate re-evaluation of buried pipelines with no cathodic protection for areas of active corrosion?* (TD.CP.UNPROTECT.R) (detail) 195.589(c) (195.573(b)(1); 195.573(b)(2))

Notes

7. Rectifiers, Bonds, Diodes and Reverse Current Switches *Do records document adequate electrical checks of rectifiers, interference bonds, diodes, and reverse current switches and at the required intervals?* (TD.CPMONITOR.CURRENTTEST.R) (detail) 195.589(c) (195.573(c))

Notes

8. Cathodic Protection for Breakout Tanks *Do records document adequate cathodic protection system inspections on breakout tanks?* (TD.CPBO.BO.R) (detail) 195.589(c) (195.573(d))

Notes

9. Correction of Corrosion Control Deficiencies *Do records document adequate operator actions taken to correct any identified deficiencies in corrosion control?* (TD.CP.DEFICIENCY.R) (detail) 195.589(c) (195.573(e))

Notes

10. Isolation from Other Metallic Structures *Do records document adequate 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.ISOLATE.R) (detail) 195.589(c) (195.575(a); 195.575(b); 195.575(c); 195.575(d))

Notes

11. Interference Currents *Do records document that the operator has minimized the detrimental effects of stray currents when found?* (TD.CPMONITOR.INTFRCURRENT.R) (detail) 195.589(c) (195.577(a))

Notes

12. Internal Corrosion Remediation *Do records document investigation and remediation of the corrosive effects of hazardous liquids or carbon dioxide being transported?* (TD.ICP.INVESTREMED.R) (detail) 195.589(c) (195.579(a))

Notes

13. Internal Corrosion Inhibitor Monitoring *Do records document that corrosion inhibitors have been used in sufficient quantity?* (TD.ICP.INHIBITOR.R) (detail) 195.589(c) (195.579(b)(1); 195.579(b)(2); 195.579(b)(3))

Notes

14. Internal Corrosion in Cutout Pipe *Do records document examination of removed pipe for evidence of internal corrosion?* (TD.ICP.EXAMINE.R) (detail) 195.589(c) (195.579(c); 195.579(a))

Notes

15. Atmospheric Corrosion Monitoring *Do records document inspection of aboveground pipe exposed to atmospheric corrosion?* (TD.ATM.ATMCORRODEINSP.R) (detail) 195.589(c) (195.583(a); 195.583(b); 195.583(c))

Notes

PHMSA Form 3 Question Set (IA Equivalent)
STANDARD INSPECTION REPORT OF A HAZARDOUS LIQUID PIPELINE

16. Repair of Externally Corroded Pipe *Do records document the repair or replacement of pipe that has been externally corroded to an extent that there is not sufficient remaining strength in the pipe wall?*
(TD.CPEXPOSED.EXTCORRODEREPAIR.R) (detail) 195.589(c) (195.585(a); 195.585(b))

Notes

17. Cathodic Protection System Maps and Records *Do maps and or records document cathodic protection system appurtenances that have been installed on pipelines that have been constructed, relocated, replaced, or otherwise changed or been converted to hazardous liquid service?* (TD.CP.MAPRECORD.R) (detail) 195.589(a) (195.589(b))

Notes

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