

Assessment and Repair - Repair Criteria (HCA)

2. Timely Discovery *From the review of the results of selected ILI and remediation projects, did discovery of all anomalies occur promptly, but no later than 180 days of completion of the assessment?* (AR.RCHCA.DISCOVERY.R) (detail) 195.452(h)(2)

Notes

7. Pressure Reduction *From the review of the results of ILI and remediation projects, was an acceptable pressure reduction promptly taken for each Immediate Repair condition or when a repair schedule could not be met?* (AR.RCHCA.PRESSREDUCE.R) (detail) 195.452(l)(1)(ii) (95.404(a); 195.404 (b); 195.452(h)(1)(ii); 195.452(h)(4)(i); 195.55(a))

Notes

8. Categorization of Defects *From the review of the results of integrity assessments and remediation projects, were there any defects that were not properly categorized?* (AR.RCHCA.DEFECTCAT.R) (detail) 195.452(l)(1)(ii) (195.452(h)(4))

Notes

10. IM Schedule *Do records demonstrate that the operator has met the schedule for remediating a condition in accordance with 195.452(h)(3)?* (AR.RCHCA.IMSCHEDULE.R) (detail) 195.452(l)(1)(ii) (195.452.(h)(3))

Notes

11. Timely Remediation *From the review of the results of selected ILI and remediation projects, were defects in segments that could affect an HCA remediated or dispositioned within the applicable mandatory time limits of 195.452(h)(4)?* (AR.RCHCA.SCHEDULEIMPL.R) (detail) 195.452(l)(1)(ii) (195.452(h)(4))

Notes

Assessment and Repair - Repair Criteria (O and M)

3. Remedial Actions (OM) *Do the performance and documentation of remediation meet procedural requirements for repairs in both HCA and non-HCA?* (AR.RCOM.REMEDIATIONOM.O) (detail) 195.422(a) (195.422(b); 195.402(a); 195.402(c)(14); 195.569; 195.579(c))

Notes

Assessment and Repair - External Corrosion Direct Assessment (ECDA)

4. ECDA Indirect Examination *Was the indirect examination performed in accordance with the operator's procedures and 195.588(b)(3)?* (AR.EC.ECDAINDIRECT.O) (detail) 195.588(c) (195.452(j)(5)(iii))

Notes

6. ECDA Direct Examination *Was the direct examination performed in accordance with requirements?* (AR.EC.ECDADIRECT.O) (detail) 195.588(b)(4) (195.452(j)(5)(iii))

Notes

7. Post Assessment *Do records indicate that requirements were met for post assessment?* (AR.EC.ECDAPOSTASSESS.R) (detail) 195.589(c) (195.588(b)(5); 195.452(j)(3); 195.452(j)(4))

Notes

Assessment and Repair - In-Line Inspection (Smart Pigs)

9. IMP Baseline and/or Continual Assessments Prioritized Assessment Schedule *Does a review of records indicate that continual assessments are implemented as specified in the plan?* (AR.IL.ASSESSSCHEDULE.R) (detail) 195.452(l)(1)(ii) (195.452(b)(5); 195.452(c); 195.452(d); 195.452(f)(2); 195.452(f)(5))

Notes

13. Integration of ILI Results with Other Information *Did the operator integrate other data/information when evaluating tool data/results in the records reviewed?* (AR.IL.ILIINTEGRATION.R) (detail) 195.452(l)(1)(ii) (195.452(g))

Notes

20. Compliance with ILI Procedures *Have the ILI procedures been followed?* (AR.IL.ILIIMPLEMENT.O) (detail) 195.452(b)(5)

Notes

Assessment and Repair - Other Technology

2. Other Technology Process *From the review of the results of selected integrity assessments, do records show that the assessment was performed in accordance with procedures and vendor recommendations?* (AR.OT.OTPLAN.R) (detail) 195.452(l)(1)(ii) (195.452(j)(5)(iv); 195.452(f)(5))

Notes

3. Other Technology Process *Has the process for the use of "Other Technology" been followed?* (AR.OT.OTPLAN.O) (detail) 195.452(j)(5)(iv)

Notes

4. Categorization of Defects *From the review of the results of selected integrity assessments, were defects identified and categorized within 180 days or other applicable timeframe?* (AR.OT.OTDEFECTCAT.R) (detail) 195.452(l)(1)(ii) (195.452(f)(4); 195.452(h)(2))

Notes

Assessment and Repair - Integrity Assessment Via Pressure Test

4. Conduct of Pressure Tests *From the review of the results of pressure tests, do the test records validate the pressure test?* (AR.PTI.PRESSTESTRESULT.R) (detail) 195.452(l)(1)(ii) (195.452(f)(2); 195.452(c))

Notes

5. Conduct of Pressure Tests *Was the pressure test conducted in accordance with procedures?* (AR.PTI.PRESSTESTRESULT.O) (detail) 195.452(j)(5)(ii) (195.452(c)(1)(i)(b))

Notes

Assessment and Repair - Repair Criteria

3. Remedial Actions (IM) *Are anomaly remediation and documentation of remediation adequate?* (AR.RC.REMEDIATION.O) (detail) 195.452(h) (195.402(a); 195.402(c)(14); 195.422(a); 195.569; 195.589(c))

Notes

Assessment and Repair - Repair Methods and Practices

2. Safety While Making Repair *Are repairs made in a safe manner and to prevent injury to persons and/or property damage?* (AR.RMP.SAFETY.O) (detail) 195.422(a) (195.402(c)(14))

Notes

4. Permissible Repair Methods *From the review of the results of integrity assessment and remediation projects, were all repairs performed in accordance with procedures and applicable sections of 49 CFR Part 195?* (AR.RMP.METHOD.R) (detail) 195.404(c)(1) (195.422(a); 195.422(b); 195.452(h)(1))

Notes

5. Qualification of Personnel Performing Pipeline Repair *From the review of the results of integrity assessment and remediation projects, were personnel performing repairs, other than welding, qualified for the task they performed?* (AR.RMP.REPAIRQUAL.R) (detail) 195.505(b) (195.507(a); 195.505(c); 195.452(h)(1))

Notes

6. Repair Records *From the review of the results of integrity assessment and remediation projects and/or field observation, do repair records document all information needed to understand the conditions of the pipe and its environment and provide the information needed to support the Integrity Management risk model?* (AR.RMP.PIPECONDITION.R) (detail) 195.404(c)(1) (195.404(c)(2))

Notes

PHMSA Form 19 Question Set (IA Equivalent)
HAZARDOUS LIQUID INTEGRITY MANAGEMENT IMPLEMENTATION INSPECTION

7. Replacement Components *From the review of the results of integrity assessment and remediation projects and/or field observation, were components that were replaced constructed to the same or higher standards as the original component?* (AR.RMP.REPLACESTD.R) (detail) 195.422(b)

Notes

9. Welder Qualification *From the review of the results of integrity assessment and remediation projects, were repairs requiring welding performed by qualified welders using qualified welding procedures?* (AR.RMP.WELDERQUAL.R) (detail) 195.214(a) (195.214(b); 195.222(a); 195.222(b); 195.452(h)(1))

Notes

10. Repair of Weld Defects *From the review of the results of integrity assessment and remediation projects, were weld defects repaired in accordance with §195.226 or §195.230?* (AR.RMP.WELDQUAL.R) (detail) 195.226(a) (195.226(b); 195.226(c); 195.230(a); 195.230(b); 195.230(c); 195.452(h)(1))

Notes

11. Inspection of Welds *From the review of the results of integrity assessment and remediation projects, were welds inspected and examined in accordance with 195.228 or 195.234?* (AR.RMP.WELDINSPECT.R) (detail) 195.228(a) (195.228(b); 195.234(a); 195.234(b); 195.234(c); 195.234(d); 195.234(e); 195.452(h)(1))

Notes

13. Crack Repair Criteria *If the IM risk assessment and integrity assessments found cracks, SCC, or crack like features cracking to be a threat on pipeline segments, have remedial actions been taken to address integrity issues when assessment criteria have been exceeded?* (AR.RMP.CRACKREMEDICATION.R) (detail) 195.452(l)(1)(ii) (195.452(f)(3))

Notes

Integrity Management - High Consequence Areas

3. IMP High Consequence Areas HCA Identification *Do records show that locations and boundaries of HCA-affecting segments are correctly identified and maintained up-to-date?* (IM.HC.HCALOCATION.R) (detail) 195.452(l)(1)(ii) (195.452(f)(1); 195.452(a); 195.452(b)(2); 195.452(d)(3))

Notes

4. IMP High Consequence Areas HCA Identification *Are locations and boundaries of segments that can affect HCAs correctly identified and maintained up-to-date?* (IM.HC.HCALOCATION.O) (detail) 195.452(b)(5) (195.452(a); 195.452(b)(2); 195.453(f)(1))

Notes

Integrity Management - Preventive and Mitigative Measures

2. P&M Measures Actions Considered *Is there documentation of preventive and mitigative actions that have been considered and implemented?* (IM.PM.PMMGENERAL.R) (detail) 195.452(l)(1)(ii) (195.452(f)(6); 195.452(i)(1); 195.452(i)(2))

Notes

3. P&M Measures Actions Implemented *Have preventive and mitigative actions been implemented as described in the records?* (IM.PM.PMMIMPLEMENT.O) (detail) 195.452(f)(6) (195.452(i)(1); 195.452(i)(2); 195.452(i)(3); 195.452(i)(4))

Notes

10. P&M Measures Leak Detection Capability Evaluation *Do records indicate that all required and other relevant leak detection evaluation factors have been adequately evaluated?* (IM.PM.IMLEAKDETEVAL.R) (detail) 195.452(l)(1)(ii) (195.452(f)(6); 195.452(i)(3))

Notes

15. P&M Measures EFRD Need Evaluation *Have identified EFRD projects been implemented as planned?* (IM.PM.PMMEFRD.O) (detail) 195.452(i)(4)

Notes

Integrity Management - Quality Assurance

2. Performance Measures *Does the operator's evaluation of the selected performance measures provide meaningful insight into integrity management program performance?* (IM.QA.IMPERFMEAS.R) (detail) 195.452(l)(1)(ii) (195.452(f)(7); 195.452(k))

Notes

Integrity Management - Risk Analysis

7. Risk Analysis Input Information *Are conditions on the pipeline segments accurately reflected in the appropriate risk assessment data and information?* (IM.RA.RADATA.O) (detail) 195.452(f)(3) (195.452(g))

Notes

Maintenance and Operations - Low-Stress Rural Pipelines

3. Categorizing Rural Low Stress Pipelines *Are locations and boundaries of segments that can affect a USA correctly identified?* (MO.LS.CATEGORIZATION.O) (detail) 195.12(b) (195.12(b)(1); 195.12(b)(2); 195.12(b)(3); 195.452(a))

Notes

Reporting - Notices and Reporting

5. Notifications *Has notification been made if Other Technology is used, technology is unavailable, the 5 year reassessment interval cannot be met, remediation schedule cannot be met and pressure cannot be reduced, or a pressure reduction exceeds 365 days? (RPT.NR.NOTIFICATIONS.R) (detail) 195.452(l)(1)(ii) (195.452(m))*

Notes

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