

Assessment and Repair - External Corrosion Direct Assessment (ECDA)

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

195.588(c) (195.452(j)(5)(iii))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. ECDA Direct Examination (confirm) *Was the direct examination performed in accordance with requirements? (AR.EC.ECDADIRECT.O) (confirm)*

195.588(b)(4) (195.452(j)(5)(iii))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Post Assessment (detail) *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))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

9. IMP Baseline and/or Continual Assessments Prioritized Assessment Schedule (detail) *Does a review of records indicate that continual assessments are implemented as specified in the plan? (AR.IL.ASSESSCHEDULE.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))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Integration of ILI Results with Other Information (confirm) *Did the operator integrate other data/information when evaluating tool data/results in the records reviewed?* (AR.IL.IIINTEGRATION.R) (confirm)

195.452(l)(1)(ii) (195.452(g))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Compliance with ILI Procedures (detail) *Have the ILI procedures been followed?* (AR.IL.IIIMPLEMENT.O) (detail)

195.452(b)(5)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Integrity Assessment Via Pressure Test

4. Conduct of Pressure Tests (confirm) *From the review of the results of pressure tests, do the test records validate the pressure test?* (AR.PTI.PRESSTESTRESULT.R) (confirm)

195.452(l)(1)(ii) (195.452(f)(2); 195.452(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Conduct of Pressure Tests (confirm) *Was the pressure test conducted in accordance with procedures?* (AR.PTI.PRESSTESTRESULT.O) (confirm)

195.452(j)(5)(ii) (195.452(c)(1)(i)(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Other Technology

2. Other Technology Process (detail) *From the review of selected integrity assessments results, do records show the assessments were 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))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Other Technology Process (confirm) *Has the process for the use of "Other Technology" been followed? (AR.OT.OTPLAN.O) (confirm)*

195.452(j)(5)(iv)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Categorization of Defects (detail) *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))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Repair Criteria

3. Remedial Actions (IM) (detail) *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))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Repair Criteria (HCA)

2. Timely Discovery (detail) *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)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Pressure Reduction (confirm) *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) (confirm)*

195.452(l)(1)(ii) (95.404(a); 195.404 (b); 195.452(h)(1)(ii);
195.452(h)(4)(i); 195.55(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Categorization of Defects (confirm) *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) (confirm)*

195.452(l)(1)(ii) (195.452(h)(4))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. IM Schedule (detail) *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))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Timely Remediation (detail) *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))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Repair Criteria (O and M)

3. Remedial Actions (OM) (detail) *Do the performance and documentation of remediation meet procedural requirements for non-IM repairs? (AR.RCOM.REMEDIATIONOM.O) (detail)*

195.422(a) (195.422(b); 195.401(b)(1)195.402(a);
195.402(c)(14); 195.569; 195.579(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Repair Methods and Practices

2. Safety While Making Repair (detail) *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))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Permissible Repair Methods (confirm) *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) (confirm)*

195.404(c)(1) (195.422(a); 195.422(b); 195.452(h)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Qualification of Personnel Performing Pipeline Repair (confirm) *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) (confirm)*

195.505(b) (195.507(a); 195.505(c); 195.452(h)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

6. Repair Records (confirm) *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) (confirm)*

195.404(c)(1) (195.404(c)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Replacement Components (confirm) *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) (confirm)*

195.422(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Welder Qualification (confirm) *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) (confirm)*

195.214(a) (195.214(b)); 195.222(a); 195.222(b);
195.452(h)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Repair of Weld Defects (confirm) *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) (confirm)*

195.226(a) (195.226(b)); 195.226(c); 195.230(a); 195.230(b);
195.230(c); 195.452(h)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Inspection of Welds (confirm) *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) (confirm)*

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))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Crack Repair Criteria (detail) *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))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Integrity Management - High Consequence Areas

3. IMP High Consequence Areas HCA Identification (confirm) *Do records show that locations and boundaries of HCA-affecting segments are correctly identified and maintained up-to-date?* (IM.HC.HCALOCATION.R) (confirm)

195.452(l)(1)(ii) (195.452(f)(1); 195.452(a); 195.452(b)(2); 195.452(d)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. IMP High Consequence Areas HCA Identification (detail) *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))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Integrity Management - Preventive and Mitigative Measures

2. P&M Measures Actions Considered (confirm) *Is there documentation of preventive and mitigative actions that have been considered and implemented?* (IM.PM.PMMGENERAL.R) (confirm)

195.452(l)(1)(ii) (195.452(f)(6); 195.452(i)(1); 195.452(i)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

3. P&M Measures Actions Implemented (detail) *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))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. P&M Measures Leak Detection Capability Evaluation (detail) *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))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.452(i)(4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Integrity Management - Quality Assurance

4. Performance Metrics (confirm) *Do records indicate that performance metrics are providing meaningful insight into integrity management program performance? (IM.QA.IMPERFMETRIC.R) (confirm)*

195.452(l)(1)(ii) (195.452(f)(7); 195.452(k))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Integrity Management - Risk Analysis

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

195.452(f)(3) (195.452(g))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Low-Stress Rural Pipelines

3. Categorizing Rural Low Stress Pipelines (confirm) *Are locations and boundaries of segments that can affect a USA correctly identified?* (MO.LS.CATEGORIZATION.O) (confirm)

195.12(b) (195.12(b)(1); 195.12(b)(2); 195.12(b)(3);
195.452(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Reporting - Notices and Reporting

5. Notifications (detail) *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))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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