Contents

[Assessment and Repair - External Corrosion Direct Assessment (ECDA) 2](#_Toc155167578)

[Assessment and Repair - Stress Corrosion Cracking Direct Assessment (SCCDA) 2](#_Toc155167579)

[Assessment and Repair - Integrity Assessments 2](#_Toc155167580)

[Assessment and Repair - In-Line Inspection (Smart Pigs) 3](#_Toc155167581)

[Assessment and Repair - Integrity Assessment Via Pressure Test 3](#_Toc155167582)

[Assessment and Repair - Repair Criteria (HCA) 4](#_Toc155167583)

[Assessment and Repair - Repair Methods and Practices 5](#_Toc155167584)

[Tank Design and Construction - Integrity Management for Facilities (Re-Presented) 6](#_Toc155167585)

[Integrity Management - High Consequence Areas 8](#_Toc155167586)

[Integrity Management - Risk Analysis 8](#_Toc155167587)

[Integrity Management - Continual Evaluation and Assessment 9](#_Toc155167588)

[Integrity Management - Preventive and Mitigative Measures 9](#_Toc155167589)

[Integrity Management - Facilities 10](#_Toc155167590)

[Integrity Management - Quality Assurance 11](#_Toc155167591)

[Reporting - Notices and Reporting 12](#_Toc155167592)

**Assessment and Repair - External Corrosion Direct Assessment (ECDA)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **11. ECDA Direct Examination** Were ECDA direct examinations conducted in accordance with the plan? (AR.EC.ECDADIRECT.O)  |
| 195.588(b)(4) (195.588(b)(1); 195.452(b)(5); 195.452(f)(5); )  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

**Assessment and Repair - Stress Corrosion Cracking Direct Assessment (SCCDA)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **10. SCCDA - Performance Observations** From field observations, was SCCDA performed in accordance with the SCCDA plan? (AR.SCC.SCCDAALL.O)  |
| 195.588(c) (195.505)  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

**Assessment and Repair - Integrity Assessments**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **6. IMP Baseline and/or Continual Assessments Prioritized Assessment Schedule** Do the records indicate that assessments are implemented as specified in the assessment plan? (AR.IA.ASSESSSCHEDULE.R)  |
| 195.452(l)(1)(ii) (195.452(b)(5); 195.452(c); 195.452(d); 195.452(f)(5); 195.452(j)(3); 195.452(j)(5); 195.591)  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **8. Validation of ILI Results** Do the records for validating ILI assessment results indicate that the process was implemented? (AR.IL.ILIVALIDATE.R)  |
| 195.452(l)(1)(ii) (195.452(j)(5)(i); 195.452(f)(4); 195.452(h); 195.452(c)(1); 195.591; 195.452(c)(1)(i)(A))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **10. Integration of ILI Results with Other Information** Do the records indicate that the operator integrated other data/information when evaluating ILI tool data/results? (AR.IL.ILIINTEGRATION.R)  |
| 195.452(l)(1)(ii) (195.452(g); 195.452(f)(3); 195.452(h))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **11. Compliance with ILI Procedures** Have the ILI procedures been followed? (AR.IL.ILIIMPLEMENT.O)  |
| 195.452(b)(5)  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

**Assessment and Repair - Integrity Assessment Via Pressure Test**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **4. Conduct of Pressure Tests** Do the pressure test records indicate compliance with Part 195, Subpart E? (AR.PTI.PRESSTESTRESULT.R)  |
| 195.310 (195.452(f)(2); 195.452(f)(5); 195.452(c); 195.452(l)(1)(ii))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

**Assessment and Repair - Repair Criteria (HCA)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **4. Timely Discovery** Do the records indicate that “discovery of condition” results for all anomalies occurred promptly, but no later than 180 days after the completion of the integrity assessment? (AR.RCHCA.DISCOVERY.R)  |
| 195.452(l)(1)(ii) (195.452(h)(2); 195.452(f)(4))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **6. Remedial Actions (IM)** Do records indicate that anomaly remediation and documentation of remediation was performed in accordance with the process? (AR.RCHCA.REMEDIATION.R)  |
| 195.452(l)(1)(ii) (195.452(h)(3); 195.452(h)(4); 195.452(b)(5); 195.569)  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **7. Inclusion of All IM Repair Criteria** Do records indicate that prompt action was taken to address all anomalous conditions discovered through the integrity assessment or information analysis? (AR.RCHCA.IMPRC.R)  |
| 195.452(l)(1)(ii) (195.452(f)(4); 195.452(h)(1); 195.452(h)(4))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **8. Remedial Actions (IM)** From an observation of a remediation or repair at an excavation site, are anomaly remediation activities adequate, performed in accordance with the categorized remediation/repair schedule, and documented? (AR.RCHCA.REMEDIATION.O)  |
| 195.452(b)(5) (195.402(a); 195.402(c)(14); 195.422(a); 195.569; 195.589(c))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **11. Pressure Reduction** Do the integrity assessment records indicate that the pressure reduction taken was acceptable and promptly implemented? (AR.RCHCA.PRESSREDUCE.R)  |
| 195.452(l)(1)(ii) (195.404(a); 195.404(b); 195.452(h)(1)(ii); 195.452(h)(4)(i); 195.55(a); 195.56)  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **12. IM Schedule** Do the records indicate that the operator has met the schedule for remediating a condition in accordance with 195.452(h)(4)? (AR.RCHCA.IMSCHEDULE.R)  |
| 195.452(l)(1)(ii) (195.452(h)(3); 195.452(h)(4))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **15. Crack Remediation Criteria** If the pipeline is susceptible to cracking, do the records indicate that the remedial actions have been documented? (AR.RCHCA.CRACKREMEDIATION.R)  |
| 195.452(l)(1)(ii) (195.452(f)(4); 195.452(h)(4)(iii)(G); 195.588(c))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

**Assessment and Repair - Repair Methods and Practices**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **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)  |
| 195.404(c)(1) (195.422(a); 195.422(b); 195.452(h)(1); 195.401(b)(1); 195.401(b)(2))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **5. Qualification of Personnel Performing Pipeline Repair** From the records 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)  |
| 195.505(b) (195.507(a); 195.505(c); 195.452(h)(1); 195.452(b)(5))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **6. Repair Records** Do the repair records document all the information needed to understand the conditions of the pipe and its environment and also provide the information needed to support the Integrity Management program, when applicable? (AR.RMP.PIPECONDITION.R)  |
| 195.404(c)(1) (195.404(c)(2); 195.452(l)(1)(ii))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **11. Inspection of Welds** From the review of the results of remediation projects, were new welds inspected and examined in accordance with §195.228 or §195.234? (AR.RMP.WELDINSPECT.R)  |
| 195.228(a) (195.228(b); 195.234(a); 195.234(b); 195.234(c); 195.234(d); 195.234(e); )  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

**Tank Design and Construction - Integrity Management for Facilities (Re-Presented)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **2. Identification of Facilities that Could Affect an HCA** Do the records indicate that locations and boundaries of HCA-affecting facilities are correctly identified and maintained up-to-date? (IM.FACIL.FACILIDENT.R)  |
| 195.452(l)(1)(i) (195.452(b)(2); 195.452(d)(2)) *Note: this question is presented in multiple places so you will see multiple instances of it on this report.*  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **8. Preventive Measures Considered for Facilities that Could Affect an HCA** Do the records indicate that facility preventive measures to protect the HCAs have been considered and implemented? (IM.FACIL.PMMPREVENTIVE.R)  |
| 195.452(l)(1)(ii) (195.452(i)(1)) *Note: this question is presented in multiple places so you will see multiple instances of it on this report.*  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **10. Mitigative Measures Considered for Facilities that Could Affect an HCA** Do the records indicate that facility mitigative measures to protect the HCAs have been considered and implemented? (IM.FACIL.PMMMITIGATIVE.R)  |
| 195.452(l)(1)(ii) (195.452(i)(1)) *Note: this question is presented in multiple places so you will see multiple instances of it on this report.*  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **11. Preventive & Mitigative Measures Implemented for Facilities that Could Affect an HCA** Does an on-site observation provide indications that facility preventive & mitigative measures to protect the HCAs were implemented as proposed? (IM.FACIL.PMMIMPLEMENT.O)  |
| 195.452(i)(1) *Note: this question is presented in multiple places so you will see multiple instances of it on this report.*  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

**Integrity Management - High Consequence Areas**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **2. IMP High Consequence Areas HCA Identification** Do records indicate that locations and boundaries of HCA-affecting pipe segments are correctly identified and maintained up-to-date? (IM.HC.HCALOCATION.R)  |
| 195.452(l)(1)(ii) (195.452(f)(1); 195.452(a); 195.452(b)(2); 195.452(d)(2); 195.452(j)(1))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **3. IMP High Consequence Areas HCA Identification** Are locations and boundaries of pipe segments that can affect HCAs correctly identified, maintained up-to-date, and verified in accordance with the program? (IM.HC.HCALOCATION.O)  |
| 195.452(b)(5) (195.452(a); 195.452(b)(2); 195.452(f)(1); 195.452(j)(2)) *Note: this question is presented in multiple places so you will see multiple instances of it on this report.*  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

**Integrity Management - Risk Analysis**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **3. Risk Analysis Input Information** Do the records indicate that all available information has been integrated into the risk analysis? (IM.RA.RADATA.R)  |
| 195.452(l)(1)(ii) (195.452(f)(3); 195.452(g); 195.452(j))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

**Integrity Management - Continual Evaluation and Assessment**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **2. IMP Periodic Evaluation** Do records indicate that evaluations of pipeline integrity are being performed periodically? (IM.CA.PERIODICEVAL.R)  |
| 195.452(l)(1)(ii) (195.452(f)(5); 195.452(j)(1); 195.452(j)(2); 195.452(g); 195.452(a))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **7. IMP High Consequence Areas HCA Identification** Are locations and boundaries of pipe segments that can affect HCAs correctly identified, maintained up-to-date, and verified in accordance with the program? (IM.HC.HCALOCATION.O)  |
| 195.452(b)(5) (195.452(a); 195.452(b)(2); 195.452(f)(1); 195.452(j)(2)) *Note: this question is presented in multiple places so you will see multiple instances of it on this report.*  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

**Integrity Management - Preventive and Mitigative Measures**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **3. P&M Measures Actions Implemented** Have preventive and mitigative actions been implemented as described in the records? (IM.PM.PMMIMPLEMENT.O)  |
| 195.452(b)(5) (195.452(i)(1); 195.452(i)(2); 195.452(i)(3); 195.452(i)(4))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **4. Mitigative Measure Actions Considered** Do the records indicate that mitigative actions have been considered and implemented? (IM.PM.PMMMITIGATIVE.R)  |
| 195.452(l)(1)(ii) (195.452(f)(6); 195.452(i)(1); 195.452(i)(2))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **5. Preventive Measure Actions Considered** Do the records indicate that preventive actions have been considered and implemented? (IM.PM.PMMPREVENTIVE.R)  |
| 195.452(l)(1)(ii) (195.452(f)(6); 195.452(i)(1); 195.452(i)(2))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **9. P&M Measures - Leak Detection Capability Evaluation** Do records indicate that all required and other relevant leak detection evaluation factors have been evaluated to ensure the protection of HCAs? (IM.PM.IMLEAKDETEVAL.R)  |
| 195.452(l)(1)(ii) (195.452(f)(6); 195.452(i)(3); 195 Appendix C, Section VI; API Standard 1160)  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

**Integrity Management - Facilities**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **2. Identification of Facilities that Could Affect an HCA** Do the records indicate that locations and boundaries of HCA-affecting facilities are correctly identified and maintained up-to-date? (IM.FACIL.FACILIDENT.R)  |
| 195.452(l)(1)(i) (195.452(b)(2); 195.452(d)(2)) *Note: this question is presented in multiple places so you will see multiple instances of it on this report.*  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **14. Preventive Measures Considered for Facilities that Could Affect an HCA** Do the records indicate that facility preventive measures to protect the HCAs have been considered and implemented? (IM.FACIL.PMMPREVENTIVE.R)  |
| 195.452(l)(1)(ii) (195.452(i)(1)) *Note: this question is presented in multiple places so you will see multiple instances of it on this report.*  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **16. Mitigative Measures Considered for Facilities that Could Affect an HCA** Do the records indicate that facility mitigative measures to protect the HCAs have been considered and implemented? (IM.FACIL.PMMMITIGATIVE.R)  |
| 195.452(l)(1)(ii) (195.452(i)(1)) *Note: this question is presented in multiple places so you will see multiple instances of it on this report.*  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **17. Preventive & Mitigative Measures Implemented for Facilities that Could Affect an HCA** Does an on-site observation provide indications that facility preventive & mitigative measures to protect the HCAs were implemented as proposed? (IM.FACIL.PMMIMPLEMENT.O)  |
| 195.452(i)(1) *Note: this question is presented in multiple places so you will see multiple instances of it on this report.*  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

**Integrity Management - Quality Assurance**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **5. Performance Metrics** Do the records indicate that performance metrics are providing meaningful insight into integrity management program performance? (IM.QA.IMPERFMETRIC.R)  |
| 195.452(l)(1)(ii) (195.452(f)(7); 195.452(k))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

**Reporting - Notices and Reporting**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **4. IMP Notifications** Do the records indicate that the operator submitted IMP notification(s) for any of the following circumstances, when it was necessary to do so: A) Unable to Meet Remediation Deadlines, B) Pressure Reductions, C) Use of Other Technology, D) Variance from Five-Year Assessment Intervals (Unavailable Technology), E) Variance from Five-Year Assessment Intervals (Engineering Basis)? (RPT.NR.NOTIFYIMP.R)  |
| 195.452(l)(1)(ii) (195.452(m); 195.452(j)(4); 195.452(h)(1); 195.452(c)(1))  |
|   |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Sat+ | Sat | Concern | Unsat | NA | NC |  |  |
|  |  |  |  |  |  |   |
| Notes |

  |

Except as required to be disclosed by law, any 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.