

Assessment and Repair - External Corrosion Direct Assessment (ECDA)

12. ECDA Post-Assessment (detail) *From the review of the results of selected integrity assessments, were requirements met for post assessment?* (AR.EC.ECDAPOSTASSESS.R) (detail)

192.925(b)(4) (NACE SP-0502-2002 Section 6.2)	Sat+	Sat X	Concern	Unsat	NA	NC
<p>Notes - CIS was used DCVG, current mapper PCM, and depth on the first round. Second round was resistivity (4 pin). Camas was a pretty substantial coating anomalies. Single digit DCVG readings. 2011 magnitude 60 and 80 were dug. They were rock damages.</p>						

Assessment and Repair - Internal Corrosion Direct Assessment

10. Post-Assessment Evaluation and Monitoring (detail) *From the review of the results of selected integrity assessments, did the operator assess the effectiveness of the ICDA process?* (AR.IC.ICDAPOSTASSESS.R) (detail)

192.927(c)(4)(i) (192.927(c)(4)(ii))	Sat+	Sat X	Concern	Unsat	NA	NC
<p>Notes - For ICDA they identified critical angles of inclination. The history on the pipe shows no corrosion. At the Camas Gate they cut out a spool and determined there was no liquid and no oxidation.</p>						

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

8. Validation of ILI Results (detail) *From a review of field staff, do the employees and vendors validate ILI assessment results per their procedures?* (AR.IL.ILIVALIDATE.O) (detail)

192.921(a)(1) (B31.8S Section 6.2.6)	Sat+	Sat	Concern	Unsat	NA X	NC
<p>Notes No ILI tools used</p>						

12. ILI Acceptance Criteria (detail) *Do records indicate adequate implementation of the process for ILI survey acceptance?* (AR.IL.ILIACCEPCRITERIA.R) (detail)

192.921(a) (B31.8S Section 6.2.5)	Sat+	Sat	Concern	Unsat	NA X	NC
<p>Notes No ILI tools used</p>						

15. Compliance with ILI Procedures (detail) *Are O&M and IMP procedural requirements for the performance of ILI followed?* (AR.IL.ILIIMPLEMENT.O) (detail)

192.620(d)	Sat+	Sat	Concern	Unsat	NA X	NC
<p>Notes No ILI tools used</p>						

Assessment and Repair - Other Technology

4. Other Technology (detail) *From the review of the results of selected integrity assessments, was the assessment performed in accordance with the process and vendor recommendations? (AR.OT.OTPLAN.R) (detail)*

192.921(a)(4)	Sat+	Sat	Concern	Unsat	NA X	NC
Notes No other technology used						

Assessment and Repair - Integrity Assessment Via Pressure Test

2. Pressure Test Results (detail) *From the review of the results of pressure tests, do the test records validate the pressure test? (AR.PTI.PRESSTESTRESULT.R) (detail)*

192.517(a) (192.505(a); 192.505(b); 192.505(c); 192.505(d); 192.505(e); 192.507(a); 192.507(b); 192.507(c); 192.617; 192.919(e); 192.921(a)(2); B31.8S Section 6.3.4)	Sat+	Sat	Concern	Unsat	NA X	NC
Notes Hydro or pressure testing was not used for IMP integrity assessment.						

Assessment and Repair - Repair Criteria

9. Field Inspection - Remedial Actions (IM) (detail) *Is anomaly remediation and documentation of remediation adequate for all covered segments? (AR.RC.REMEDIATION.O) (detail)*

192.933(c) (192.933(a); 192.933(d))	Sat+	Sat X	Concern	Unsat	NA	NC
Notes						
Looked at 4 digs in 2011. The operator recoated the affected areas and there were no cut-outs or metal loss.						

Assessment and Repair - Repair Methods and Practices

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

192.605(b)(9) (192.713(b))	Sat+	Sat X	Concern	Unsat	NA	NC
Notes - The operator followed their safety procedures and there were no hot work permits or confined space.						

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

192.751(a) (192.751(b); 192.751(c))	Sat+	Sat X	Concern	Unsat	NA X	NC
Notes - No blowdowns or hot work permits						

17. Inspection of Welds (detail) *Were welds inspected and examined in accordance with §192.241 and §192.243?*
(AR.RMP.WELDINSPECT.O) (detail)

192.241(a) (192.241(b); 192.241(c); 192.243(a); 192.243(b); 192.243(c); 192.243(d); 192.243(e); 192.243(f))	Sat+	Sat	Concern	Unsat	NA X	NC
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Notes – There was no construction performed to observe during this inspection

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

192.719(a) (192.719(b))	Sat+	Sat	Concern	Unsat	NA X	NC
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Notes - There was no construction performed to observe during this inspection

Assessment and Repair - Stress Corrosion Cracking

4. Assessment Method (High pH SCC) (detail) *From the review of the results of selected integrity assessments, did the operator perform an assessment using one of the methods specified in B31.8S Appendix A3?* (AR.SCC.SCCDAMETHOD.R) (detail)

192.929(b)(2) (B31.8S Appendix A3)	Sat+	Sat	Concern	Unsat	NA X	NC
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Notes - This line only meets one criteria for SCC out of the 5 for High pH SCC.

Design and Construction - Construction Welding Procedures

3. Welding Procedures (detail) *Are weld procedures being qualified in accordance with §192.225?*
(DC.WELDPROCEDURE.WELD.O) (detail)

192.225(a) (192.225(b))	Sat+	Sat	Concern	Unsat	NA X	NC
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Notes – No construction or repair welding to observe

6. Welding Weather (detail) *Are welding operations are protected from certain weather conditions?*
(DC.WELDPROCEDURE.WELDWEATHER.O) (detail)

192.231	Sat+	Sat	Concern	Unsat	NA X	NC
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Notes – No construction or repair welding to observe

11. Preparation for Welding (detail) *Are welding preparations made in accordance with §192.235?*
(DC.WELDPROCEDURE.WELDPREP.O) (detail)

192.235	Sat+	Sat	Concern	Unsat	NA X	NC
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Notes – No construction or repair welding to observe

Design and Construction - Construction Weld Inspection

3. Inspection and Test of Welds (detail) *Are individuals who perform visual inspection of welding qualified?*
(DC.WELDINSP.WELDVISUALQUAL.O) (detail)

192.241(a) (192.241(b); 192.241(c); 192.807(b))	Sat+	Sat	Concern	Unsat	NA X	NC
Notes – No construction or repair welding to observe						

6. Nondestructive Test and Interpretation Procedures (detail) *Are NDT procedures adequate?*
(DC.WELDINSP.WELDNDT.O) (detail)

192.243(a) (192.243(b)(1); 192.243(b)(2); 192.243(c); 192.243(a))	Sat+	Sat	Concern	Unsat	NA X	NC
Notes – No NDT to observe						

9. Repair or Removal of Weld Defects (detail) *Are unacceptable welds removed and/or repaired?*
(DC.WELDINSP.WELDREPAIR.O) (detail)

192.245(a) (192.245(b); 192.245(c))	Sat+	Sat	Concern	Unsat	NA X	NC
Notes – No construction or repair welding to observe						

Design and Construction - Construction

18. Inspection of Materials (detail) *Are pipe lengths and other pipeline components visually inspected to ensure they are not damaged?* (DC.CO.INSPECTVISUAL.O) (detail)

192.307	Sat+	Sat	Concern	Unsat	NA X	NC
Notes – No construction to observe						

21. Repair of Steel Pipe (detail) *Are repairs to steel pipe made in accordance with §192.309?* (DC.CO.REPAIR.O) (detail)

192.309(a) (192.309(b); 192.309(c); 192.309(d); 192.309(e))	Sat+	Sat	Concern	Unsat	NA X	NC
Notes – No construction or repairs to observe						

34. Installation of Pipe in a Ditch (detail) *When pipe is placed in the ditch, is it installed so as to fit the ditch, minimize stresses, and protect the pipe coating from damage?* (DC.CO.INSTALL.O) (detail)

192.319(a) (192.319(b))	Sat+	Sat	Concern	Unsat	NA X	NC
Notes – No construction or repair welding to observe						

Design and Construction - Pressure Testing

3. General - Testing Requirements (detail) *Is pressure testing conducted in accordance with §192.503?*
(DC.PT.PRESSTEST.O) (detail)

192.503(a) (192.503(b); 192.503(c); 192.503(d))	Sat+	Sat	Concern	Unsat	NA X	NC
Notes – No construction or testing to observe						

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

192.505(a) (192.505(b); 192.505(c); 192.505(d); 192.505(e))	Sat+	Sat	Concern	Unsat	NA X	NC
Notes Notes – No construction or testing to observe						

Design and Construction - Training and Qualification

4. Skills and Knowledge of Personnel Performing Covered Tasks - Contractor employees (detail) *Do selected contractor individuals performing covered tasks demonstrate adequate skills and knowledge?*
(DC.TQ.OQCONTRACTOR.O) (detail)

192.805(b) (Operators OQ program manual)	Sat+	Sat X	Concern	Unsat	NA	NC
Notes - NWN OQed individuals did the wrapping and coating.						

6. Skills and Knowledge of Personnel Performing Covered Tasks - Operator Employee (detail) *Do selected operator individuals performing covered tasks demonstrate adequate skills and knowledge?*
(DC.TQ.OQPLANEMPLOYEE.O) (detail)

192.805(b) (Operators OQ program manual)	Sat+	Sat X	Concern	Unsat	NA	NC
Notes – No construction or repairs to observe						

8. Qualification of Personnel who Oversee and Perform Excavations and Backfilling Operations (detail) *Do selected individuals who oversee marking, trenching and backfilling operations demonstrate adequate skills and knowledge?* (DC.TQ.EXCAVATE.O) (detail)

192.805(b) (ADB-06-01)	Sat+	Sat X	Concern	Unsat	NA	NC
Notes - They were OQ qualified and were a company crew.						

10. Qualification of Personnel Performing Hot Taps (detail) *Do personnel performing hot taps demonstrate adequate skills and knowledge?* (DC.TQ.HOTTAP.O) (detail)

192.805(b) (192.627)	Sat+	Sat	Concern	Unsat	NA X	NC
Notes – No construction or repairs to observe						

Integrity Management - High Consequence Areas

8. IM High Consequence Areas - Identification Method 1 (Class Locations) (detail) Do records indicate adequate application of the §192.903 High Consequence Area definition (1) for the identification of HCAs? (IM.HC.HCAMETHOD1.R) (detail)

192.903 (1)(i) (192.903(1)(ii); 192.903(1)(iii); 192.903(1)(iv))	Sat+	Sat X	Concern	Unsat	NA	NC
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Notes -They took a conservative approach and used the UGA (Urban Growth Area) as a boundary.

10. IM High Consequence Areas - Identification Method 2 (Potential Impact Radius) (detail) Do records indicate adequate application of §192.903 High Consequence Area definition (2) for identification of HCAs? (IM.HC.HCAMETHOD2.R) (detail)

192.903(2)(i) (192.903(2)(ii))	Sat+	Sat	Concern	Unsat	NA X	NC
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Notes They do not use this method.

13. IM High Consequence Areas (detail) Are HCAs correctly identified per up-to-date information? (IM.HC.HCADATA.O) (detail)

192.905(c)	Sat+	Sat X	Concern	Unsat	NA	NC
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Notes They using the UGA as the HCA boundary - Class III

Integrity Management - Preventive and Mitigative Measures

3. P&M Measures - Third Party Damage (detail) Does the preventive and mitigative process include requirements that threats due to third party damage be addressed? (Note: A subset of these enhancements are required for pipelines operating below 30% SMYS - See IM.PM.PMMTPDSMYS.P) (IM.PM.PMMTPD.P) (detail)

192.917(e)(1) (192.935(b)(1); 192.935(e))	Sat+	Sat X	Concern	Unsat	NA	NC
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Notes

No unique threats for 3rd party. A farmer damaged the pipe in 2003.

12. P&M Measures - Automatic Shut-Off Valves or Remote Control Valves (detail) Has an adequate determination been made to determine if automatic shut-off valves or remote control valves represent an efficient means of adding protection to potentially affected high consequence areas? (IM.PM.PMMASORCV.R) (detail)

192.935(c)	Sat+	Sat X	Concern	Unsat	NA	NC
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Notes -

No specific project, but they are planning for any regulations that may be finalized.

13. P&M Measures - Implementation (detail) *Have identified P&MMs to prevent a pipeline failure and to mitigate the consequences of a pipeline failure in an HCA been implemented? (IM.PM.PMMIMPLEMENT.O) (detail)*

192.935(a)	Sat+	Sat	Concern	Unsat	NA X	NC
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Notes – No measures implemented at this time.

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

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

192.707(a) (CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20)	Sat+	Sat X	Concern	Unsat	NA	NC
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5. Placement of ROW Markers (detail) *Are line markers placed and maintained as required for above ground pipelines? (PD.RW.ROWMARKERABOVE.O) (detail)*

192.707(c) (CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20)	Sat+	Sat X	Concern	Unsat	NA	NC
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6. ROW Conditions (detail) *Are the ROW conditions acceptable for the type of patrolling used? (PD.RW.ROWCONDITION.O) (detail)*

192.705(a) (192.705(c))	Sat+	Sat X	Concern	Unsat	NA	NC
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Time-Dependent Threats - External Corrosion - Coatings

12. Exposed Pipe Coating (detail) *Is exposed buried pipe coating inspected to determine if it is deteriorating? (TD.COAT.EXPOSEINSPECT.O) (detail)*

192.459	Sat+	Sat X	Concern	Unsat	NA	NC
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Training and Qualification - Qualification of Personnel - Specific Requirements (O and M Construction)

6. Qualification of Welders (detail) *Do welders demonstrate adequate skills and knowledge?*
(TQ.QUOMCONST.WELDER.O) (detail)

192.227(a) (192.227(b); 192.229(a); 192.229(b); 192.229(c); 192.229(d); 192.805(h); 192.807(a); 192.328(a); 192.328(b))	Sat+	Sat	Concern	Unsat	NA X	NC
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Notes – No construction or repair welding to observe

9. Qualification of Nondestructive Testing Personnel (detail) *Do nondestructive testing personnel demonstrate adequate skills and knowledge?* (TQ.QUOMCONST.NDT.O) (detail)

192.243(b)(2) (192.807(a); 192.328(a); 192.328(b))	Sat+	Sat	Concern	Unsat	NA X	NC
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Notes – No construction or repair welding to observe

Training and Qualification - Qualification of Personnel - Specific Requirements

5. Qualification of Personnel Tapping Pipelines under Pressure (detail) *Do personnel performing hot taps demonstrate adequate skills and knowledge?* (TQ.QU.HOTTAPQUAL.O) (detail)

192.627 (192.805(h))	Sat+	Sat	Concern	Unsat	NA X	NC
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Notes – No construction or repair welding to observe

8. Qualification of Personnel who Oversee and Perform Excavations and Backfilling Operations (detail) *Do individuals who oversee marking, trenching, and backfilling operations demonstrate adequate skills and knowledge?* (TQ.QU.EXCAVATE.O) (detail)

192.805(b) (192.805(h); ADB-06-01; 192.801(a); 192.328(a); 192.328(c))	Sat+	Sat	Concern	Unsat	NA X	NC
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Notes – No construction or repair welding to observe

Training and Qualification - Training of Personnel

3. Emergency Response Training (detail) *Do emergency response personnel demonstrate adequate skills and knowledge?* (TQ.TR.TRAINING.O) (detail)

192.615(b)(2) (192.805(b))	Sat+	Sat	Concern	Unsat	NA X	NC
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Notes – No emergency response to observe

Training and Qualification - OQ Protocol 9

1. Covered Task Performance (detail) *Verify the qualified individuals performed the observed covered tasks in accordance with the operator's procedures or operator approved contractor procedures. (TQ.PROT9.TASKPERFORMANCE.O) (detail)*

192.801(a) (192.809(a))	Sat+	Sat	Concern	Unsat	NA X	NC
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Notes – No construction or maintenance to observe

2. Qualification Status (detail) *Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks. (TQ.PROT9.QUALIFICATIONSTATUS.O) (detail)*

192.801(a) (192.809(a))	Sat+	Sat	Concern	Unsat	NA X	NC
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Notes – No construction or maintenance to observe

3. Abnormal Operating Condition Recognition and Reaction (detail) *Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed. (TQ.PROT9.AOCRECOG.O) (detail)*

192.801(a) (192.809(a))	Sat+	Sat	Concern	Unsat	NA X	NC
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Notes – No construction or maintenance to observe

4. Verification of Qualification (detail) *Verify the qualification records are current, and ensure the personal identification of all individuals performing covered tasks are checked, prior to task performance. (TQ.PROT9.VERIFYQUAL.O) (detail)*

192.801(a) (192.809(a))	Sat+	Sat	Concern	Unsat	NA X	NC
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Notes – No construction or maintenance to observe

5. Program Inspection Deficiencies (detail) *Have potential issues identified by the headquarters inspection process been corrected at the operational level? (TQ.PROT9.CORRECTION.O) (detail)*

192.801(a) (192.809(a))	Sat+	Sat	Concern	Unsat	NA X	NC
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Notes – No construction or maintenance to observe

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