Assessment and Repair - Repair Criteria (O and M)

1. Repair Criteria in Non-Covered Segments (detail) *Does the integrity assessment and maintenance processes include adequate criteria for determining the need for, and timeliness of, pipeline defect repairs in non-covered segments?* (AR.RCOM.NONCOVERED.P) (detail)

192.485(a) (192.485(b); 192.485(c); 192.703(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Repair Criteria in Non-Covered Segments (confirm) *From the review of the results of integrity assessments, did the operator repair conditions that posed a threat to pipeline integrity on Non-Covered segments?* (AR.RCOM.NONCOVERED.R) (confirm)

192.485(a) (192.485(b); 192.485(c); 191.23(a)(1); 192.703(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Field Inspection - Remedial Actions (OM) (detail) *Is anomaly remediation and documentation of remediation adequate for all segments?* (AR.RCOM.REMEDIATIONOM.O) (detail)

192.485(a) (192.485(b); 192.485(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Alternative Maximum Allowable Operating Pressure per 192.620 (80% SMYS Rule)? (detail) *If the pipeline operates using an alternative maximum allowable operating pressure per 192.620 (80% SMYS Rule), do the procedures meet the requirements of the permit or 192.620?* (AR.RCOM.RCAMAOP.P) (detail)

192.620(d)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Alternative Maximum Allowable Operating Pressure per 192.620 (80% SMYS Rule)? (detail) *If the pipeline operates using an alternative maximum allowable operating pressure per 192.620 (80% SMYS Rule), from a review of selected records, were required repairs performed?* (AR.RCOM.RCAMAOP.R) (detail)

192.620(d)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Confirmatory Direct Assessment

1. Qualification of Operator/Vendor Personnel Who Evaluate CDA Results (detail) *Does the process require that operator/vendor personnel (including supervisors) who review and evaluate CDA assessment results meet appropriate training, experience, and qualification criteria? (AR.CDA.CDAREVQUAL.P) (detail)*

192.915(a) (192.915(b))

	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Qualification of Operator/Vendor Personnel Who Evaluate CDA Results (detail) *Do records demonstrate that operator/vendor personnel, including supervisors, who conduct assessments or review assessment results, are qualified for the tasks they perform? (AR.CDA.CDAREVQUAL.R) (detail)*

192.947(h) (192.915(a); 192.915(b))

	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Qualification of Operator/Vendor Personnel Who Evaluate CDA Results (detail) *From the observation of selected integrity assessments, are operator and vendor personnel, including supervisors, who conduct assessments or review assessment results, qualified for the tasks they perform? (AR.CDA.CDAREVQUAL.O) (detail)*

192.915(a) (192.915(b))

	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. CDA Plan (confirm) *Is an adequate Confirmatory Direct Assessment Plan in place? (AR.CDA.CDAPLAN.P) (confirm)*

192.931(a) (192.931(b); 192.931(c); 192.931(d))

	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. External Corrosion Plan (detail) *Do records indicate that the external corrosion plan was properly implemented?* (AR.CDA.CDAEXTCORR.R) (detail)

192.947(h) (192.931(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Internal Corrosion Plan (detail) *Do records demonstrate that the internal corrosion plan was properly implemented?* (AR.CDA.CDAINTCORR.R) (detail)

192.947(h) (192.931(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Remediation of Indications (detail) *Do records demonstrate that the next assessment should have been accelerated?* (AR.CDA.CDAINDICATION.R) (detail)

192.947(h) (192.931(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - External Corrosion Direct Assessment (ECDA)

1. Qualification of Operator/Vendor Personnel Who Evaluate ECDA Results (detail) *Does the process require that operator/vendor personnel (including supervisors) who review and evaluate ECDA assessment results meet appropriate training, experience, and qualification criteria?* (AR.EC.ECDAREVQUAL.P) (detail)

192.915(a) (192.915(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Qualification of Operator/Vendor Personnel Who Evaluate ECDA Results (detail) *Do records demonstrate that operator/vendor personnel, including supervisors, who conduct ECDA assessments or review and analyze assessment results are qualified for the tasks they perform? (AR.EC.ECDAREVQUAL.R) (detail)*

192.947(g) (192.915(a); 192.915(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Qualification of Operator/Vendor Personnel Who Evaluate ECDA Results (detail) *From the observation of selected integrity assessments, are operator and vendor personnel, including supervisors, who conduct assessments or review assessment results, qualified for the tasks they perform? (AR.EC.ECDAREVQUAL.O) (detail)*

192.915(a) (192.915(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. ECDA Plan (confirm) *Is an adequate ECDA plan and process in place for conducting ECDA?* (AR.EC.ECDAPLAN.P) (confirm)

192.925(a) (192.925(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. ECDA Pre-Assessment (detail) *Do records demonstrate that the ECDA pre-assessment process complied with NACE SP0502-2008 Section 3 and 192.925(b)(1)? (AR.EC.ECDAPREASSESS.R) (detail)*

192.947(g) (192.925(b)(1))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Integration of ECDA Results with other Information (confirm) *Is the process for integrating ECDA results with other information adequate? (AR.EC.ECDAINTEGRATION.P) (confirm)*

192.917(b) (B31.8S Section 4.5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Integration of ECDA Results with other Information (confirm) *Do records demonstrate that the operator integrated other data/information when evaluating data/results? (AR.EC.ECDAINTEGRATION.R) (confirm)*

192.947(g) (192.917(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. ECDA Region Identification (detail) *Do records demonstrate that the operator identified ECDA Regions? (AR.EC.ECDAREGION.R) (detail)*

192.947(g) (192.925(b)(1))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. ECDA Indirect Examination (detail) *Do records demonstrate that ECDA indirect inspection process complied with NACE SP0502-2008 Section 4 and ASME B31.8S-2004, Section 6.4? (AR.EC.ECDAINDIRECT.R) (detail)*

192.947(g) (192.925(b)(2))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. ECDA Direct Examination (detail) *Do records demonstrate that excavations, direct examinations, and data collection were performed in accordance with NACE SP0502-2008, Sections 5 and 6.4.2 and ASME B31.8S, Section 6.4? (AR.EC.ECDADIRECT.R) (detail)*

192.947(g) (192.925(b)(3))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. ECDA Direct Examination (detail) *Were ECDA direct examinations adequately conducted? (AR.EC.ECDADIRECT.O) (detail)*

192.925(b)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Quality of ECDA Data Analysis (confirm) *Do records demonstrate that an analysis of the ECDA data and other information was adequate to identify external corrosion threats to the pipeline? (AR.EC.ECDAANALYSIS.R) (confirm)*

192.947(g) (192.925(b)(4); 192.933(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. ECDA Change Control (detail) *Do records demonstrate that the criteria and internal notification procedures were established and implemented for any changes in the ECDA Plan? (AR.EC.ECDAPLANMOC.R) (detail)*

192.947(g) (192.925(b)(3)(iii))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. ECDA Post-Assessment (detail) *Do records demonstrate that the requirements for post assessment were met? (AR.EC.ECDAPOSTASSESS.R) (detail)*

192.947(g) (192.925(b)(4))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. AMAOP ECDA (detail) *If the pipeline is operated using an alternative maximum allowable operating pressure per 192.620 (80% SMYS Rule), from a review of selected records, were required ECDA assessments performed? (AR.EC.ECDAMAOP.R) (detail)*

192.947(g) (192.620(d)(9); 192.620(d)(10))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. AMAOP ECDA (detail) *If the pipeline is operated using an alternative maximum allowable operating pressure per 192.620 (80% SMYS Rule), from a review of selected records, were required ECDA assessments performed? (AR.EC.ECDAMAOP.O) (detail)*

192.620(d)(9) (192.620(d)(10))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Internal Corrosion Direct Assessment

1. Qualification of Operator/Vendor Personnel Who Evaluate ICDA Results (detail) *Does the process require that operator/vendor personnel (including supervisors) who review and evaluate ICDA assessment results meet appropriate training, experience, and qualification criteria? (AR.IC.ICDAREVQUAL.P) (detail)*

192.915(a) (192.915(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Qualification of Operator/Vendor Personnel Who Evaluate ICDA Results (detail) *Do records demonstrate that operator/vendor personnel, including supervisors, who conduct ICDA assessments or review and analyze assessment results, are qualified for the tasks they perform? (AR.IC.ICDAREVQUAL.R) (detail)*

192.947(g) (192.915(a); 192.915(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Qualification of Operator/Vendor Personnel Who Evaluate ICDA Results (detail) *From the observation of selected integrity assessments, are operator and vendor personnel, including supervisors, who conduct assessments or review assessment results, qualified for the tasks they perform? (AR.IC.ICDAREVQUAL.O) (detail)*

192.915(a) (192.915(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. ICDA Plan (confirm) *Is an adequate ICDA plan and process in place for conducting ICDA? (AR.IC.ICDAPLAN.P) (confirm)*

192.927(c) (192.927(a); 192.927(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Pre-Assessment (detail) *Do records demonstrate that the requirements for an ICDA pre-assessment were met? (AR.IC.ICDAPREASSESS.R) (detail)*

192.927(c)(1) (192.947(g))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Integration of ICDA Results with other Information (confirm) *Is the process for integrating ICDA results with other information adequate? (AR.IC.ICDAINTEGRATION.P) (confirm)*

192.917(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Integration of ICDA Results with Other Information (confirm) *Do records demonstrate that other data/information was integrated when evaluating data/results? (AR.IC.ICDAINTEGRATION.R) (confirm)*

192.917(b) (192.947(g))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. ICDA Region Identification (detail) *Do records demonstrate that ICDA Regions were adequately identified? (AR.IC.ICDAREGION.R) (detail)*

192.947(g) (192.927(c)(2); 192.927(c)(5))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Identification of Locations for Excavation and Direct Examination (detail) *Do records demonstrate that sites were identified where internal corrosion may be present? (AR.IC.ICDADIRECT.R) (detail)*

192.947(g) (192.927(c)(3); 192.927(c)(5))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Identification of Locations for Excavation and Direct Examination (detail) *Were ICDA direct examinations adequately conducted? (AR.IC.ICDADIRECT.O) (detail)*

192.927(c)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Post-Assessment Evaluation and Monitoring (detail) *Do records demonstrate that the operator assessed the effectiveness of the ICDA process?* (AR.IC.ICDAPOSTASSESS.R) (detail)

192.947(g) (192.927(c)(4)(i); 192.927(c)(4)(ii); 192.477)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Quality of ICDA Data Analysis (confirm) *Do records demonstrate than an analysis of the ICDA data and other information was adequate to identify internal corrosion threats to the pipeline?* (AR.IC.ICDAANALYSIS.R) (confirm)

192.947(g) (192.927(c); 192.933(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. AMAOP ICDA (detail) *If the pipeline is operated using an alternative maximum allowable operating pressure per 192.620 (80% SMYS Rule) were required ICDA assessments performed?* (AR.IC.ICDAMAOP.R) (detail)

192.947(g) (192.620(d)(9); 192.620(d)(10))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

1. Qualification of Operator/Vendor Personnel (including Supervisors) Who Evaluate ILI Results (detail) *Does the process require that operator/vendor personnel (including supervisors) who review and evaluate ILI assessment results meet appropriate training, experience, and qualification criteria?* (AR.IL.ILIREVIEWQUAL.P) (detail)

192.915(a) (192.915(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Qualification of Operator/Vendor Personnel (including Supervisors) Who Evaluate ILI Results (confirm) *Do records demonstrate that personnel who conduct assessments or review assessment results are qualified per the process requirements?* (AR.IL.ILIREVIEWQUAL.R) (confirm)

192.947(g) (192.915(a); 192.915(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Qualification of Operator/Vendor Personnel (including Supervisors) Who Evaluate ILI Results (detail) *From the observation of selected integrity assessments, are operator and vendor personnel, including supervisors, who conduct assessments or review assessment results, qualified for the tasks they perform?* (AR.IL.ILIREVIEWQUAL.O) (detail)

192.915(a) (192.915(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. ILI Specifications (detail) *Does the process assure complete and adequate vendor ILI specifications?* (AR.IL.ILISPECS.P) (detail)

192.921(a)(1) (192.933(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. ILI Specifications (detail) *Do records demonstrate that the ILI vendor specifications were complete and adequate?* (AR.IL.ILISPECS.R) (detail)

192.947(g) (192.933(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. IMP Assessment Methods (detail) *Does the process specify the assessment methods that are appropriate for the pipeline specific integrity threats?* (AR.IL.ASSESSMETHOD.P) (detail)

192.919(b) (192.921(a); 192.937(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. IMP Assessment Methods (confirm) *Do records demonstrate that the assessment methods shown in the baseline and/or continual assessment plan were appropriate for the pipeline specific integrity threats?* (AR.IL.ASSESSMETHOD.R) (confirm)

192.947(g) (192.919(b); 192.921(a); 192.937(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Validation of ILI Results (detail) *Does the process for validating ILI results ensure that accurate integrity assessment results are obtained?* (AR.IL.ILIVALIDATE.P) (detail)

192.921(a)(1) (192.937(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Validation of ILI Results (confirm) *Do records demonstrate that the operator has validated ILI assessment results per their process?* (AR.IL.ILIVALIDATE.R) (confirm)

192.947(g) (192.921(a)(1))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Validation of ILI Results (confirm) *From observation of field activities, do the employees and vendors validate ILI assessment results per their process?* (AR.IL.ILIVALIDATE.O) (confirm)

192.921(a)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Integration of ILI Results with other Information (confirm) *Is the process for integrating ILI results with other information adequate?* (AR.IL.ILIINTEGRATION.P) (confirm)

192.917(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Integration of ILI Results with other Information (confirm) *Do records demonstrate that the operator integrated other data/information when evaluating tool data/results? (AR.IL.ILIINTEGRATION.R) (confirm)*

192.947(g) (192.917(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. ILI Acceptance Criteria (detail) *Is the process for ILI survey acceptance criteria adequate to assure an effective assessment? (AR.IL.ILIACCEPCRITERIA.P) (detail)*

192.921(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

192.947(g) (192.921(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Integrity Assessments that were Not Performed as Scheduled or Within Required Timeframes (confirm) *Do records indicate that the performance of integrity assessments has been delayed such that a schedule or required timeframe was exceeded, the delays were not justified and proper notifications were not made? (AR.IL.ILIDELAY.R) (confirm)*

192.947(d) (192.909(a); 192.909(b); 192.943(a); 192.943(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Alternative Maximum Allowable Operating Pressure per 192.620 (80% SMYS Rule)? (detail) *If the pipeline operates using an alternative maximum allowable operating pressure per 192.620 (80% SMYS Rule), has the process been modified to incorporate the requirements of the rule for required ILI assessments performed? (AR.IL.ILIAMAOP.P) (detail)*

192.620(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Alternative Maximum Allowable Operating Pressure per 192.620 (80% SMYS Rule)?

(detail) *If the pipeline operates using an alternative maximum allowable operating pressure per 192.620 (80% SMYS Rule), from a review of selected records, were required ILI assessments performed? (AR.IL.ILIAMAOP.R) (detail)*

192.620(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

192.921(a)(1) (192.620(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Low Stress Reassessment

1. Low Stress Reassessment Plan (confirm) *Is the process for performing low stress reassessment adequate? (AR.LSR.LSRPLAN.P) (confirm)*

192.941(a) (192.941(b); 192.941(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Baseline Assessment (detail) *Do records demonstrate that a baseline assessment meeting the requirements of 192.919 and 192.921 was performed prior to performing a low stress reassessment? (AR.LSR.LSRBA.R) (detail)*

192.947(d) (192.919(c); 192.921(d); 192.941(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. External Corrosion (detail) *Do records demonstrate that the requirements of 192.941(b) implemented when performing low stress reassessment for external corrosion? (AR.LSR.LSREXTCORR.R) (detail)*

192.947(d) (192.941(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Internal Corrosion (detail) *Do records demonstrate that the requirements of 192.941(c) were implemented when performing low stress reassessment for internal corrosion? (AR.LSR.LSRINTCORR.R) (detail)*

192.947(d) (192.941(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Other Technology

1. Qualification of Operator/Vendor Personnel Who Evaluate Other Technology Results (detail) *Does the process require that operator/vendor personnel (including supervisors) who review and evaluate assessment results meet acceptable qualification standards? (AR.OT.OTREVQUAL.P) (detail)*

192.915(a) (192.915(b); 192.921(a)(4))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Qualification of Operator Personnel Who Evaluate Other Technology Results (detail)
Do records demonstrate that operator/vendor personnel, including supervisors, who conduct assessments or review assessment results are qualified for the tasks they perform? (AR.OT.OTREVQUAL.R) (detail)

192.947(d) (192.915(a); 192.915(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Qualification of Operator Personnel Who Evaluate Other Technology Results (detail)

From the observation of selected integrity assessments, are operator and vendor personnel, including supervisors, who conduct assessments or review assessment results, qualified for the tasks they perform? (AR.OT.OTREVQUAL.O) (detail)

192.915(a) (192.915(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Other Technology (detail) *Has a process been developed for the "other technologies" that provide an equivalent understanding of the condition of the pipe? (AR.OT.OTPLAN.P) (detail)*

192.921(a)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Other Technology (detail) *Do records demonstrate that the assessments were performed in accordance with the process and vendor recommendations and that defects were identified and categorized within 180 days, if applicable? (AR.OT.OTPLAN.R) (detail)*

192.947(d) (192.921(a)(4); 192.933(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Other Technology (detail) *Were assessments conducted using "other technology" adequately performed in accordance with the operator's process? (AR.OT.OTPLAN.O) (detail)*

192.921(a)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Integrity Assessment Via Pressure Test

1. Qualification of Operator/Vendor Personnel Who Evaluate Pressure Test Results

(detail) *Does the process require that operator/vendor personnel (including supervisors) who review and evaluate ILI assessment results meet appropriate training, experience, and qualification criteria?* (AR.PTI.PRESSTESTREVQUAL.P) (detail)

192.915(a) (192.915(b) 192.921(a)(4))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Qualification of Operator/Vendor Personnel Who Evaluate Pressure Test Results

(detail) *Do records demonstrate that operator/vendor personnel, including supervisors, who conduct assessments or review assessment results are qualified for the tasks they perform?* (AR.PTI.PRESSTESTREVQUAL.R) (detail)

192.947(g) (192.915(a); 192.915(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Qualification of Operator/Vendor Personnel Who Evaluate Pressure Test Results

(detail) *From the observation of selected integrity assessments, are operator and vendor personnel, including supervisors, who conduct assessments or review assessment results, qualified for the tasks they perform?* (AR.PTI.PRESSTESTREVQUAL.O) (detail)

192.915(a) (192.915(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Test Acceptance Criteria and Procedures (detail) *Were test acceptance criteria and procedures sufficient to assure the basis for an acceptable pressure test?* (AR.PTI.PRESSTESTACCEP.P) (detail)

192.503(a) (192.503(b); 192.503(c); 192.503(d); 192.505(a); 192.505(b); 192.505(c); 192.505(d); 192.505(e); 192.507(a); 192.507(b); 192.507(c); 192.513(a); 192.513(b); 192.513(c); 192.513(d); 192.921(a)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Pressure Test Results (confirm) *Do the test records validate the pressure test?*
(AR.PTI.PRESSTESTRESULT.R) (confirm)

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); 192.513(a); 192.513(b); 192.513(c); 192.513(d); 192.517(b); 192.617; 192.619(a); 192.919(e); 192.921(a)(2))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Alternative Maximum Allowable Operating Pressure per 192.620 (80% SMYS Rule)?
(detail) *If the pipeline operates using an alternative maximum allowable operating pressure per 192.620 (80% SMYS Rule), from a review of selected records, were required pressure test assessments performed?* (AR.PTI.PRESSTESTAMAOP.R) (detail)

192.517(a) (192.505(a); 192.517(b); 192.620(c)(4); 192.620(d)(9); 192.620(d)(10))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Pressure Test Completion (detail) *From field operations was the pressure test performed in accordance with Subpart J requirements and the process requirements?* (AR.PTI.PRESSTESTCOMPLETE.O) (detail)

192.503(a) (192.503(b); 192.503(c); 192.503(d); 192.505(a); 192.505(b); 192.505(c); 192.505(e); 192.507(a); 192.507(b); 192.507(c); 192.513(a); 192.513(b); 192.513(c); 192.513(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Repair Criteria

1. Definition of Discovery (confirm) *Does the integrity assessment process properly define discovery and the required time frame?* (AR.RC.DISCOVERY.P) (confirm)

192.933(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Definition of Discovery (detail) *Do records demonstrate that discovery was declared in the required time frame or justification was documented?* (AR.RC.DISCOVERY.R) (detail)

192.947(f) (192.933(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Inclusion of All IM Repair Criteria (detail) *Does the operator's Integrity Management Plan and/or maintenance processes include all of the actions that must be taken to address integrity issues in accordance with 192.933?* (AR.RC.IMPRC.P) (detail)

192.933(a) (192.933(c); 192.933(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Categorization of Defects (confirm) *Do records demonstrate that all defects were properly categorized?* (AR.RC.DEFECTCAT.R) (confirm)

192.947(f) (192.933(b); 192.933(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Pressure Reductions Taken in Response to Remediation of Conditions (confirm) *Do records demonstrate that an acceptable pressure reduction was promptly taken for each immediate repair condition or when a repair schedule could not be met?* (AR.RC.PRESSREDUCE.R) (confirm)

192.947(f) (192.933(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Prioritized Schedule (confirm) *Do records demonstrate that the operator developed a prioritized schedule?* (AR.RC.SCHEDULE.R) (confirm)

192.947(f) (192.933(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Adequacy of Remediation (confirm) *Dor records demonstrate that the remediation specified in the prioritized schedule was adequate to ensure the integrity of the pipeline until the next scheduled reassessment?* (AR.RC.METHOD.R) (confirm)

192.947(f) (192.933(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Repair Criteria in Covered Segments (detail) *Does the repair process cover all of the elements for making repairs in covered segments?* (AR.RC.CRITERIA.P) (detail)

192.711(b) (192.703(a); 192.703(b); 192.703(c); 192.713(a); 192.713(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Timely Remediation (confirm) *Do records demonstrate that defects in segments that could affect an HCA were remediated (i.e., repair, pressure reduction, or notification to PHMSA) within the applicable mandatory time limits of 192.933(d)?* (AR.RC.SCHEDULEIMPL.R) (confirm)

192.947(f) (192.933(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Field Inspection - Remedial Actions (IM) (detail) *Is anomaly remediation adequate for the covered segments being observed?* (AR.RC.REMEDIATION.O) (detail)

192.933(c) (192.933(a); 192.933(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. "Look Beyond" Evaluation of Significant Corrosion (confirm) *Does the process require an evaluation of all pipeline segments with similar environmental and material coating conditions as segments where corrosion that could adversely affect the integrity of the pipeline was found?* (AR.RC.LOOKBEYOND.P) (confirm)

192.917(e)(5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. "Look Beyond" Evaluation of Significant Corrosion (confirm) *From the review of the results of integrity assessments, were all pipeline segments evaluated with similar environmental and material coating conditions as segments where corrosion that could adversely affect the integrity of the pipeline was found? (AR.RC.LOOKBEYOND.R) (confirm)*

192.947(b) (192.917(e)(5))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Repair Methods and Practices

1. Safety While Making Repairs (detail) *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)*

192.605(b)(9) (192.713(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

192.605(b)(9) (192.713(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Prevention of Accidental Ignition (detail) *Is there a process for preventing accidental ignition where gas presents a hazard of fire or explosion? (AR.RMP.IGNITION.P) (detail)*

192.605(b)(1) (192.751(a); 192.751(b); 192.751(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Prevention of Accidental Ignition (detail) *Do records indicate adequate steps were taken by the operator to prevent accidental ignition prior to performing work?* (AR.RMP.IGNITION.R) (detail)

192.751(a) (192.751(b); 192.751(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Prevention of Accidental Ignition (confirm) *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) (confirm)

192.751(a) (192.751(b); 192.751(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Tapping Pipelines Under Pressure (detail) *Is the process adequate for tapping pipelines under pressure?* (AR.RMP.HOTTAP.P) (detail)

192.605(b)(1) (192.627)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Tapping Pipelines Under Pressure (detail) *From a review of selected records, were the personnel who performed pressure taps on pipelines under pressure qualified?* (AR.RMP.HOTTAP.R) (detail)

192.627 (192 Subpart N)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Tapping Pipelines Under Pressure (detail) *Were pressure taps on pipelines under pressure performed in accordance with procedures by qualified personnel?* (AR.RMP.HOTTAP.O) (detail)

192.627 (192 Subpart N)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Transmission Lines General Requirements for Repair Procedures (detail) *Does the repair process capture the requirements of 192.711 for transmission lines? (AR.RMP.REPAIRREQT.P) (detail)*

192.605(b)(1) (192.711(a); 192.711(b); 192.711(c); 192.717(b)(3))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Transmission Lines Permanent Field Repair of Defects (detail) *Is the process adequate for the permanent field repair of defects in transmission lines? (AR.RMP.FIELDREPAIRDEFECT.P) (detail)*

192.605(b)(1) (192.713(a); 192.713(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Permissible Repair Methods (confirm) *From the review of records, were all repairs performed in accordance with procedures, applicable sections of 49 CFR Parts 192 and the guidance of B31.8S, Section 7, and the Pipeline Repair Manual, Revision 5? (AR.RMP.METHOD.R) (confirm)*

192.709(a) (192.713(a); 192.713(b); 192. 717(a); 192.717(b); B31.8S Section 7)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Qualification of Personnel Performing Pipeline Repair (detail) *From the review of selected records, were personnel performing repairs, other than welding, and post repair tests qualified for the task they performed? (AR.RMP.REPAIRQUAL.R) (detail)*

192.807(b) (192.805(h))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Transmission Lines Permanent Field Repair of Welds (detail) *Is the process adequate for the permanent field repair of welds? (AR.RMP.FIELDREPAIRWELDS.P) (detail)*

192.605(b) (192.715(a); 192.715(b); 192.715(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Welder Qualification (detail) *From the review of selected records, were repairs requiring welding performed by qualified welders using qualified welding procedures?* (AR.RMP.WELDERQUAL.R) (detail)

192.225(a) (192.225(b); 192.227(a); 192.227(b); 192.229(a); 192.229(b); 192.229(c); 192.229(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Repair of Weld Defects (confirm) *From the review of records, were weld defects repaired in accordance with 192.245 and 192.715?* (AR.RMP.WELDQUAL.R) (confirm)

192.245(a) (192.245(b); 192.245(c); 192.715(a); 192.715(b); 192.715(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Inspection of Welds (confirm) *From the review of records, were welds inspected and examined in accordance with 192.241 and 192.243?* (AR.RMP.WELDINSPECT.R) (confirm)

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	NC

Notes

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

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	NC

Notes

18. Repair Records Pipe Condition (confirm) *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)

192.709(a) (192.709(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Replacement Components (confirm) *From the review of records, were any components that were replaced constructed to the same or higher standards as the original component?* (AR.RMP.REPLACESTD.R) (confirm)

192.713(a) (Part 192 Subpart D)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Transmission Lines Permanent Field Repair of Leaks (detail) *Is there an adequate process for the permanent field repair of leaks on transmission lines?* (AR.RMP.FIELDREPAIRLEAK.P) (detail)

192.605(b) (192.717(a); 192.717(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Transmission Lines Permanent Field Repair of Leaks (confirm) *From the review of records, did the operator properly repair leaks on transmission lines?* (AR.RMP.FIELDREPAIRLEAK.R) (confirm)

192.717(a) (192.717(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

22. Transmission Lines Permanent Field Repair of Leaks (detail) *Does the operator properly repair leaks on transmission lines?* (AR.RMP.FIELDREPAIRLEAK.O) (detail)

192.717(a) (192.717(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

23. Transmission Lines Testing of Repairs (detail) *Is the process adequate for the testing of replacement pipe and repairs made by welding on transmission lines?* (AR.RMP.WELDTEST.P) (detail)

192.605(b) (192.719(a); 192.719(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

24. Transmission Lines Testing of Repairs (confirm) *From the review of records, did the operator properly test replacement pipe and repairs made by welding on transmission lines? (AR.RMP.WELDTEST.R) (confirm)*

192.719(a) (192.719(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	NC

Notes

26. Non-Destructive Testing of Pipeline for Cracking and/or SCC When Exposed for Repair (detail) *Does the process require that when a pipeline segment that meets the conditions for cracking and/or possible SCC is exposed (i.e., the coating is removed), an NDE method (e.g., MPI, UT) is employed to evaluate for cracking? (AR.RMP.CRACKNDT.P) (detail)*

192.929(b) (B31.8S Appendix A3.4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

27. Non-Destructive Testing of Pipeline for Cracking and/or SCC When Exposed for Repair (confirm) *From the review of records, when a pipeline segment that meets the conditions of possible cracking and/or SCC is exposed (i.e., the coating is removed), was an NDE method (e.g., MPI, UT) employed to evaluate for cracking and/or SCC? (AR.RMP.CRACKNDT.R) (confirm)*

192.947(g) (192.929(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Stress Corrosion Cracking

1. Qualification of Operator Personnel Who Evaluate SCCDA Results (detail) *Does the process require that operator/vendor personnel (including supervisors) who review and evaluate SCCDA assessment results meet appropriate training, experience, and qualification criteria? (AR.SCC.SCCDAREVQUAL.P) (detail)*

192.915(a) (192.915(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Qualification of Operator Personnel Who Evaluate SCCDA Results (detail) *Do records demonstrate that operator/vendor personnel, including supervisors, who conduct assessments or review assessment results, are qualified for the tasks they perform? (AR.SCC.SCCDAREVQUAL.R) (detail)*

192.947(e) (192.915(a); 192.915(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Qualification of Operator Personnel Who Evaluate SCCDA Results (detail) *From the observation of selected integrity assessments, are operator and vendor personnel, including supervisors, who conduct assessments or review assessment results, qualified for the tasks they perform? (AR.SCC.SCCDAREVQUAL.O) (detail)*

192.915(a) (192.915(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. SCCDA Plan (confirm) *Is an adequate plan developed for performing SCCDA, if the conditions for SCC were present? (AR.SCC.SCCDAPLAN.P) (confirm)*

192.929(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Collect and Evaluate Data (detail) *Do records demonstrate that data was collected and evaluated? (AR.SCC.SCCDADATA.R) (detail)*

192.947(g) (192.929(b)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Assessment Method (High pH SCC) (detail) *Do records demonstrate that an assessment was performed using one of the methods specified in B31.8S Appendix A3?* (AR.SCC.SCCDAMETHOD.R) (detail)

192.947(g) (192.929(b)(2))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Assessment Method (High pH SCC) (detail) *From field observations, was SCCDA performed in accordance with 192.929 and the SCCDA plan?* (AR.SCC.SCCDAMETHOD.O) (detail)

192.929	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Assessing for Near Neutral SCC (detail) *From the review of the results of selected integrity assessments, was the pipeline evaluated for near neutral SCC?* (AR.SCC.SCCDANEARNEUTRAL.R) (detail)

192.947(g) (192.929(b)(2))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Reassessment Interval (detail) *From the review of the results of selected integrity assessments, did the operator determine a reassessment interval based on SCCDA results?* (AR.SCC.SCCDAREASSESSINTRVL.R) (detail)

192.947(d) (192.939(a)(3))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Alternative Maximum Allowable Operating Pressure per 192.620 (80% SMYS Rule)? (detail) *If the pipeline operates using an alternative maximum allowable operating pressure per 192.620 (80% SMYS Rule), from a review of selected records, were required SCCDA assessments performed?* (AR.SCC.SCCDAAMAOP.R) (detail)

192.620(d) (192.620(d)(9); 192.620(d)(10))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Special Permits

1. Special Permits (detail) *If the pipeline operates under a special permit have the processes been modified to incorporate the requirements of the permit for required ILI assessments performed?* (AR.SP.ILISP.P) (detail)

190.341(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Special Permits (detail) *If the pipeline operates under a special permit, from a review of selected records, were required ILI assessments performed?* (AR.SP.ILISP.R) (detail)

190.341(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Special Permits (detail) *If the pipeline operates under a special permit have the processes been modified to incorporate the requirements of the permit for required repairs?* (AR.SP.REPAIRSP.P) (detail)

190.341(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Special Permits (detail) *If the pipeline operates under a special permit, from a review of selected records, were required repairs performed?* (AR.SP.REPAIRSP.R) (detail)

190.341(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

CRM, SCADA, and Leak Detection - General

1. Control Room Management Criteria (detail) *Does the process adequately address criteria by which the operator determines which of its facilities are control rooms?* (CR.CRMGEN.CRMCRITERIA.P) (detail)

192.631(a)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Control Room Management (detail) *Are CRM procedures formalized and controlled?* (CR.CRMGEN.CRMMGMT.P) (detail)

192.631(a)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Control Room Management (detail) *Were procedures approved, in place, and implemented on or before the regulatory deadline?* (CR.CRMGEN.CRMIMPLEMENT.R) (detail)

192.631(a)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Control Room Management (detail) *Are procedures readily available to controllers in the control room?* (CR.CRMGEN.CRMPROCLOCATION.O) (detail)

192.631(a)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

CRM, SCADA, and Leak Detection - Roles and Responsibilities

1. Roles and Responsibilities (detail) *Are there clear processes to describe each controller's physical domain of responsibility for pipelines and other facility assets?* (CR.CRMRR.RESPONSIBLE.P) (detail)

192.631(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Roles and Responsibilities (detail) *Are there provisions in place to assure that only qualified individuals may assume control at any console/desk?* (CR.CRMRR.QUALCONTROL.P) (detail)

192.631(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Roles and Responsibilities (detail) *If the physical domain of responsibility periodically changes, has a clear process been established to describe the conditions for when such a change occurs?* (CR.CRMRR.DOMAINCHANGE.P) (detail)

192.631(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Controller Authority (Abnormal Operations) (detail) *Have processes been established to define the controllers' authority and responsibilities when an abnormal operating condition is detected?* (CR.CRMRR.AUTHORITYABNORMAL.P) (detail)

192.631(b)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Roles and Responsibilities (detail) *Do processes address a controller's role during temporary impromptu (unplanned) changes in controller responsibilities?* (CR.CRMRR.RESPCHANGE.P) (detail)

192.631(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Roles and Responsibilities (detail) *Do the defined roles and responsibilities require controllers to stay at the console to verify all SCADA commands that have been initiated are fulfilled, and that commands given via verbal communications are acknowledged before leaving the console for any reason? (CR.CRMRR.COMMANDVERIFY.P) (detail)*

192.631(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

192.631(b)(2) (192.619(a); 192.631(e)(1))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Controller Authority (Emergency Operations) (detail) *Do processes define the controllers' authority and responsibility to make decisions, take actions, and communicate with others upon being notified of, or upon detection of, and during, an emergency or if a leak or rupture is suspected? (CR.CRMRR.AUTHORITYEMERGENCY.P) (detail)*

192.631(b)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Control Center Evacuation (detail) *Do processes specifically address the controller's responsibilities in the event the control room must be evacuated? (CR.CRMRR.EVACUATION.P) (detail)*

192.631(b)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Communication Failure (detail) *Do processes specifically address the controller's responsibilities in the event of a SCADA system or data communications system failure impacting large sections of the controller's domain of responsibility? (CR.CRMRR.COMMSYSFAIL.P) (detail)*

192.631(b)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Shift Change Process (detail) *Have processes been established for the hand-over of responsibility that specify the type of information to be communicated to the oncoming shift?* (CR.CRMRR.HANDOVER.P) (detail)

192.631(b)(4) (192.631(c)(5))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Shift Change Process - Documentation (detail) *Do processes require that records document the hand-over of responsibility, document the time the actual hand-over of responsibility occurs, and the key information and topics that were communicated during the hand-over?* (CR.CRMRR.HANDOVERDOC.P) (detail)

192.631(b)(4) (192.631(c)(5))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Shift Change Process - Documentation (detail) *Are there records that document the hand-over of responsibility, document the time the actual hand-over of responsibility occurs, and the key information and topics that were communicated during the hand-over?* (CR.CRMRR.HANDOVERDOC.R) (detail)

192.631(b)(4) (192.631(c)(5))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Shift Change Process - Overlap (detail) *Do processes require the controllers to discuss recent and impending important activities ensuring adequate overlap?* (CR.CRMRR.HANDOVEROVERLAP.P) (detail)

192.631(b)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Shift Change Process - Handover Alternative (detail) *When a controller is unable to continue or assume responsibility for any reason, do the shift hand-over processes include alternative shift hand-over actions that specifically address this situation?* (CR.CRMRR.HANDOVERALTERNATIVE.P) (detail)

192.631(b)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Shift Change Process - Unattended Consoles (detail) *Has the operator established an adequate process for occasions when the console is left temporarily unattended for any reason?* (CR.CRMRR.UNATTENDCONSOLE.P) (detail)

192.631(b)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Shift Change Process - Console Coverage (detail) *Do processes maintain adequate console coverage during shift hand-over?* (CR.CRMRR.CONSOLECOVERAGE.P) (detail)

192.631(b)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

CRM, SCADA, and Leak Detection - Supervisory Control and Data Acquisition

1. Change Management (detail) *Do processes clearly define the types of changes to the SCADA system(s) that constitute additions, expansions, or replacements under the meaning of the CRM rule?* (CR.SCADA.SYSTEMMOC.P) (detail)

192.631(c)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. SCADA Displays (detail) *Are there written processes to implement the API RP 1165 display standards to the SCADA systems that have been added, expanded, or replaced since August 1, 2012?* (CR.SCADA.DISPLAYCONFIG.P) (detail)

192.631(c)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. SCADA API RP 1165 Human Factors (detail) *Has section 4 of API RP 1165 regarding human factors engineering been implemented?* (CR.SCADA.1165HUMANFACTORS.R) (detail)

192.631(c)(1)	**Sat+**	**Sat**	**Concern**	**Unsat**	**NA**	**NC**

Notes

4. SCADA Display Objects (detail) *Has section 8 of API RP 1165 regarding display object characteristics been implemented?* (CR.SCADA.DISPLAYOBJECTS.O) (detail)

192.631(c)(1)	**Sat+**	**Sat**	**Concern**	**Unsat**	**NA**	**NC**

Notes

5. SCADA Display Dynamics (detail) *Has section 9 of API RP 1165 regarding display object dynamics been implemented?* (CR.SCADA.DISPLAYDYNAMICS.R) (detail)

192.631(c)(1)	**Sat+**	**Sat**	**Concern**	**Unsat**	**NA**	**NC**

Notes

6. SCADA Administration (detail) *Have applicable paragraphs of section 11 of API RP 1165 administration been implemented?* (CR.SCADA.ADMINISTRATION.R) (detail)

192.631(c)(1)	**Sat+**	**Sat**	**Concern**	**Unsat**	**NA**	**NC**

Notes

7. SCADA Impracticality (detail) *If any/all applicable paragraph(s) of API RP 1165 have not been implemented, has it been demonstrated and documented that the unimplemented provisions are impractical for the SCADA system used?* (CR.SCADA.1165IMPRACTICAL.R) (detail)

192.631(c)(1)	**Sat+**	**Sat**	**Concern**	**Unsat**	**NA**	**NC**

Notes

8. Set Points (detail) *Does the process adequately define safety-related points?* (CR.SCADA.SETPOINT.P) (detail)

192.631(c)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Set Points (detail) *Do records indicate safety-related points have been adequately implemented?* (CR.SCADA.SETPOINT.R) (detail)

192.631(c)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Point-to-Point Verification (detail) *Are there adequate processes to define and identify the circumstances which require a point-to-point verification?* (CR.SCADA.POINTVERIFY.P) (detail)

192.631(c)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Point-to-Point Verification (detail) *Have required point-to-point verifications been performed?* (CR.SCADA.POINTVERIFY.R) (detail)

192.631(c)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Point-to-Point Verification Extent (detail) *Are there adequate processes for the thoroughness of the point-to-point verification?* (CR.SCADA.POINTVERIFYEXTENT.P) (detail)

192.631(c)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Point-to-Point Verification Extent (detail) *Do records demonstrate adequate thoroughness of the point-to-point verification?* (CR.SCADA.POINTVERIFYEXTENT.R) (detail)

192.631(c)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Point-to-Point Verification Interval (detail) *Is there an adequate process for defining when the point-to-point verification must be completed?* (CR.SCADA.POINTVERFIYINTVL.P) (detail)

192.631(c)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Point-to-Point Verification Interval (detail) *Do records indicate the point-to-point verification has been completed at the required intervals?* (CR.SCADA.POINTVERFIYINTVL.R) (detail)

192.631(c)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Internal Communication Plan (detail) *Has an internal communication plan been established and implemented that is adequate to manually operate the pipeline during a SCADA failure/outage?* (CR.SCADA.COMMPLAN.P) (detail)

192.631(c)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Internal Communication Plan (detail) *Has the internal communication plan been tested and verified for manual operation of the pipeline safely at least once each calendar year but at intervals not exceeding 15 months?* (CR.SCADA.COMMPLAN.R) (detail)

192.631(c)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Backup SCADA System (detail) *Is there a backup SCADA system?* (CR.SCADA.BACKUPSCADA.O) (detail)

192.631(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Backup SCADA Development (detail) *Has the use of the backup SCADA system for development work been defined?* (CR.SCADA.BACKUPSCADADEV.P) (detail)

192.631(c)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Backup SCADA Testing (detail) *Is the backup SCADA system tested at least once each calendar year at intervals not to exceed 15 months?* (CR.SCADA.BACKUPSCADATEST.R) (detail)

192.631(c)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Backup SCADA Verification (detail) *Does the testing verify that there are adequate processes in place for decision-making and internal communications to successfully implement a transition from primary SCADA to backup SCADA, and back to primary SCADA?* (CR.SCADA.BACKUPSCADAVERIFY.R) (detail)

192.631(c)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

22. Backup SCADA Adequacy (detail) *If the back-up SCADA system is not designed to handle all the functionality of the main SCADA system, does the testing determine whether there are adequate procedures in place to account for displaced and/or different available functions during back-up operations?* (CR.SCADA.BACKUPSCADAADEQUACY.R) (detail)

192.631(c)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

23. Backup SCADA Transfer (detail) *Do processes adequately address and test the logistics of transferring control to a backup control room?* (CR.SCADA.BACKUPSCADATRANSFER.P) (detail)

192.631(c)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

24. Backup SCADA Return to Primary (detail) *Do procedures adequately address and test the logistics of returning operations back to the primary control room?* (CR.SCADA.BACKUPSCADARETURN.P) (detail)

192.631(c)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

25. Backup SCADA Testing (detail) *Is a representative sampling of critical functions in the back-up SCADA system being tested to ensure proper operation in the event the backup system is needed?* (CR.SCADA.BACKUPSCADAFUNCTIONS.R) (detail)

192.631(c)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

26. Overpressure Protection Features (detail) *Are processes adequate for inspection and test of each pressure relieving device in a compressor station, including periodic operation to determine opening at the correct set pressure?* (CR.SCADA.CMPPRESSRELIEFTEST.P) (detail)

192.731(a) (192.731(b); 192.731(c); 192.631(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

27. Overpressure Protection Features (detail) *Do inspection and test records for each pressure relieving device in a compressor station indicate it was operated periodically to determine that it opens at the correct set pressure?* (CR.SCADA.CMPPRESSRELIEFTEST.R) (detail)

192.731(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

28. Overpressure Protection Features (detail) *Are there procedures for inspection and test of each pressure relieving device at pressure limiting stations?* (CR.SCADA.PRESSRELIEFTEST.P) (detail)

192.739(a) (192.631(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

29. Overpressure Protection Features (detail) *Do records indicate adequate inspection and testing for each pressure relieving device in a pressure limiting station?* (CR.SCADA.PRESSRELIEFTEST.R) (detail)

192.739(a) (192.631(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

30. Valve Maintenance (detail) *If SCADA is used to operate valves, are there processes to test this functionality during the inspection and partial operation of valves?* (CR.SCADA.VALVETEST.P) (detail)

192.745(a) (192.631(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

31. Valve Maintenance (detail) *If SCADA is used to operate valves, do records indicate the SCADA system was adequately involved in the testing to ensure valve operation?* (CR.SCADA.VALVETEST.R) (detail)

192.709(c) (192.745(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

CRM, SCADA, and Leak Detection - Fatigue Management

1. Fatigue Mitigation (detail) *Does the fatigue mitigation process or procedures (plan) identify operator-specific fatigue risks?* (CR.CRMFM.FATIGUEMITIGATION.P) (detail)

192.631(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Fatigue Risk Reduction (detail) *Does the fatigue mitigation plan adequately address how the program reduces the risk associated with controller fatigue?* (CR.CRMFM.FATIGUERISKS.P) (detail)

192.631(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Fatigue Quantification (detail) *Do processes require that the potential contribution of controller fatigue to incidents and accidents be quantified during investigations?* (CR.CRMFM.FATIGUEQUANTIFY.P) (detail)

192.631(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Fatigue Mitigation Manager (detail) *Is there a designated fatigue risk manager who is responsible and accountable for managing fatigue risk and fatigue countermeasures, and someone (perhaps the same person) that is authorized to review and approve HOS emergency deviations?* (CR.CRMFM.FATIGUEMANAGER.P) (detail)

192.631(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Scheduled Shift Length (detail) *Is the scheduled shift length less than or equal to 12 hours (not including shift hand-over) or is there a documented technical basis to show that shift lengths and schedule rotations are adequate to provide controllers off-duty time sufficient to achieve 8 hours of continuous sleep?* (CR.CRMFM.SHIFTLENGTH.R) (detail)

192.631(d)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Establishing Shift Length (detail) *Does the operator factor in all time the individual is working for the company when establishing shift lengths and schedule rotations or is there a documented technical basis to show that shift lengths and schedule rotations are adequate to provide controllers off-duty time sufficient to achieve 8 hours of continuous sleep?* (CR.CRMFM.SHIFTLENGTHTIME.R) (detail)

192.631(d)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Scheduled Time Off Between Shifts (detail) *Are all scheduled periods of time off at least one hour longer than 8 hours plus commute time or is there a documented technical basis to show that shift lengths and schedule rotations are adequate to provide controllers off-duty time sufficient to achieve 8 hours of continuous sleep? (CR.CRMFM.SCHEDULEDTIMEOFF.R) (detail)*

192.631(d)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. On Call Controllers (detail) *For controllers who are on call, does the operator minimize interrupting the required 8 hours of continuous sleep or is there a documented technical basis to show that shift lengths and schedule rotations are adequate to provide controllers off-duty time sufficient to achieve 8 hours of continuous sleep? (CR.CRMFM.ONCALLCONTROLLER.R) (detail)*

192.631(d)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Maximum Hours of Service (detail) *Do processes limit the maximum HOS limit in any sliding 7 day period to no more than 65 hours or is there a documented technical basis to show a reduction of the risk associated with controller fatigue? (CR.CRMFM.MAXHOS.P) (detail)*

192.631(d)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Minimum Time Off After HOS Limit Reached (detail) *After reaching the HOS limit in any sliding 7 day period, is the minimum time off at least 35 hours or is there a documented technical basis to show a reduction of the risk associated with controller fatigue? (CR.CRMFM.MINTIMEOFF.P) (detail)*

192.631(d)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Documented Time Schedule (detail) *Is there a formal system to document all scheduled and unscheduled HOS worked, including overtime and time spent performing duties other than control room duties? (CR.CRMFM.DOCSCHEDULE.P) (detail)*

192.631(d)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Time Off Following Successive Days Worked (detail) *For normal business hour type operations (i.e., five days per week), are no more than five days worked in succession before at least two days off? (CR.CRMFM.DAYSOFF.P) (detail)*

192.631(d)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Day Only Work Hours (detail) *For normal business hour type operations (i.e., five days per week), do records indicate shift start times no earlier than 6:00 a.m. and shift end times no later than 7:00 p.m.? (CR.CRMFM.WORKHOURS.R) (detail)*

192.631(d)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Fatigue Countermeasures (detail) *For shifts longer than 8 hours, have specific fatigue countermeasures been implemented for the ninth and beyond hours? (CR.CRMFM.FATIGUECOUNTERMEASURES.P) (detail)*

192.631(d)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Daily HOS Limit (detail) *Do processes limit the daily maximum HOS limit no more than 14 hours in any sliding 24-hour period? (CR.CRMFM.DAILYHOSLIMIT.P) (detail)*

192.631(d)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Number of Qualified Controllers (detail) *Do operations include a sufficient number of qualified controllers? (CR.CRMFM.CONTROLLERNUMBERS.O) (detail)*

192.631(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Off Duty Hours When Limits Reached (detail) *Do processes ensure that controllers are provided with at least thirty-five (35) continuous off-duty hours when limits are reached following the most recent 35-hour (minimum) off-duty rest period or is there a documented technical basis to show that the maximum limit on controller HOS is adequate to reduce the risk associated with controller fatigue?* (CR.CRMFM.OFFDUTYHOURS.P) (detail)

192.631(d)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Shift Holdover (detail) *Does the shift holdover process conform to shift holdover guidelines or is there a documented technical basis to show that the maximum limit on controller HOS is adequate to reduce the risk associated with controller fatigue?* (CR.CRMFM.SHIFTHOLDOVER.P) (detail)

192.631(d)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Specific Fatigue Countermeasures During Times of Heightened Risk (detail) *Do processes require specific fatigue countermeasures during applicable time periods, or is there a documented technical basis to show that the maximum limit on controller HOS is adequate to reduce the risk associated with controller fatigue?* (CR.CRMFM.SPECIFICCOUNTERMEASURES.P) (detail)

192.631(d)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Deviations from HOS Limits (detail) *Is there a formal process for approving deviations from the maximum HOS limits?* (CR.CRMFM.HOSDEVIATIONS.P) (detail)

192.631(d)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Fatigue Education (detail) *Does the program require that fatigue education/training is required for all controllers and control room supervisors?* (CR.CRMFM.FATIGUEEDUCATE.P) (detail)

192.631(d)(2) (192.631(d)(3))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

22. Fatigue Education (detail) *Is fatigue education/training documented for all controllers and control room supervisors?* (CR.CRMFM.FATIGUEEDUCATE.R) (detail)

192.631(d)(2) (192.631(d)(3))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

23. Fatigue Education Refresher (detail) *Is refresher fatigue education provided at regular intervals?* (CR.CRMFM.FATIGUEREFRESHER.R) (detail)

192.631(d)(2) (192.631(d)(3))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

24. Review of Fatigue Education/Training Program Effectiveness (detail) *Do processes require that the effectiveness of the fatigue education/training program be reviewed at least once each calendar year, not to exceed 15 months?* (CR.CRMFM.FATIGUEREVIEW.P) (detail)

192.631(d)(2) (192.631(d)(3))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

25. Fatigue Mitigation Strategies (detail) *Does fatigue education address fatigue mitigation strategies (countermeasures)?* (CR.CRMFM.FATIGUESTRATEGY.P) (detail)

192.631(d)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

26. Off-Duty Activity Impact on Fatigue (detail) *Does fatigue education address how off-duty activities contribute to fatigue?* (CR.CRMFM.OFFDUTY.P) (detail)

192.631(d)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

27. Fatigue Training Content (detail) *Is the content of fatigue training adequate for training controllers and supervisors to recognize the effects of fatigue?* (CR.CRMFM.FATIGUECONTENT.P) (detail)

192.631(d)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

28. Fatigue Training Content (detail) *Has controller and supervisor training to recognize the effects of fatigue been documented?* (CR.CRMFM.FATIGUECONTENT.R) (detail)

192.631(d)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

CRM, SCADA, and Leak Detection - Alarm Management

1. Alarm Procedures (detail) *Is the alarm management plan a formal process that specifically identifies critical topical areas included in the program?* (CR.CRMAM.ALARM.P) (detail)

192.631(e)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Alarm Malfunction (detail) *Is there a process to identify and correct inaccurate or malfunctioning alarms?* (CR.CRMAM.ALARMMALFUNCTION.P) (detail)

192.631(e)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Alarm Review (detail) *Does the review of safety-related alarms account for different alarm designs and all alarm types/priorities?* (CR.CRMAM.ALARMREVIEW.P) (detail)

192.631(e)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Controller SCADA Performance (detail) *Does the review of safety-related alarms account for individual-specific controller qualification and performance?* (CR.CRMAM.CONTROLLERPERFORMANCE.P) (detail)

192.631(e)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Managing Stale or Unreliable Data (detail) *Does the review of safety-related alarms include specific procedures and practices for managing stale or unreliable data?* (CR.CRMAM.STALEDATA.P) (detail)

192.631(e)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Monthly Analysis of SCADA Data (detail) *Do processes require the monthly identification, recording, review, and analysis of points that have been taken off scan, have had alarms inhibited, generated false alarms, or that have had forced or manual values for periods of time exceeding that required for associated maintenance or operating activities?* (CR.CRMAM.MONTHLYANALYSIS.P) (detail)

192.631(e)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Correction of SCADA Problems (detail) *Does the alarm management plan include a process for promptly correcting identified problems and for returning these points to service?* (CR.CRMAM.PROBLEMCORRECTION.P) (detail)

192.631(e)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Alarm Setpoint Process (detail) *Is there a formal process to determine the correct alarm setpoint values and alarm descriptions?* (CR.CRMAM.ALARMSETPOINTS.P) (detail)

192.631(e)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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9. Controls on SCADA Settings (detail) *Have procedures been established to clearly address how and to what degree controllers can change alarm limits or setpoints, or inhibit alarms, or take points off-scan?* (CR.CRMAM.SETTINGCONTROL.P) (detail)

192.631(e)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Alarm Management Plan Review (detail) *Are there processes to review the alarm management plan at least once each calendar year, but at intervals not exceeding 15 months, in order to determine the effectiveness of the plan?* (CR.CRMAM.PLANREVIEW.P) (detail)

192.631(e)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Alarm Management Plan Review (detail) *Do records indicate review of the alarm management plan at least once each calendar year, but at intervals not exceeding 15 months, in order to determine the effectiveness of the plan?* (CR.CRMAM.PLANREVIEW.R) (detail)

192.631(e)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Measuring Work Load (detail) *Does the CRM program have a means of identifying and measuring the work load (content and volume of general activity) being directed to an individual controller?* (CR.CRMAM.WORKLOAD.P) (detail)

192.631(e)(5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Monitoring Work Load (detail) *Is the process of monitoring and analyzing general activity comprehensive?* (CR.CRMAM.WORKLOADMONITORING.P) (detail)

192.631(e)(5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Controller Reaction to Incoming Alarms (detail) *Does the process have a means of determining that the controller has sufficient time to analyze and react to incoming alarms?* (CR.CRMAM.CONTROLLERREACTION.P) (detail)

192.631(e)(5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Analysis of Controller Performance (detail) *Has an analysis been performed to determine if controller(s) performance is currently adequate?* (CR.CRMAM.PERFORMANCEANALYSIS.R) (detail)

192.631(e)(5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Alarm Deficiency Resolution (detail) *Is there a process to address how deficiencies found in implementing 192.631(e)(1) through 192.631(e)(5) will be resolved?* (CR.CRMAM.DEFICIENCIES.P) (detail)

192.631(e)(6)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Alarm Management Deficiencies (detail) *Do records indicate deficiencies found in implementing 192.631(e)(1) through 192.631(e)(5) have been resolved?* (CR.CRMAM.DEFICIENCIES.R) (detail)

192.631(e)(6)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

CRM, SCADA, and Leak Detection - Change Management

1. Field Equipment Changes (detail) *Is there a process to assure changes in field equipment that could affect control room operations are coordinated with the control room personnel?* (CR.CRMCMGT.EQUIPMENTCHANGES.P) (detail)

192.631(f)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Controller Participation in System Changes (detail) *Are control room representative(s) required to participate in meetings where changes that could directly or indirectly affect the hydraulic performance or configuration of the pipeline (including routine maintenance and repairs) are being considered, designed and implemented? (CR.CRMCMGT.CONTROLLERPARTICIPATE.P) (detail)*

192.631(f)(1) (192.631(f)(3))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Controller Participation in System Changes (detail) *Do records indicate that control room representative(s) participate in meetings where changes that could directly or indirectly affect the hydraulic performance or configuration of the pipeline (including routine maintenance and repairs) are being considered, designed and implemented? (CR.CRMCMGT.CONTROLLERPARTICIPATE.R) (detail)*

192.631(f)(1) (192.631(f)(3))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Emergency Contact with Control Room (detail) *Is there a process requiring field personnel and SCADA support personnel to contact the control room when emergency conditions exist? (CR.CRMCMGT.EMERGENCYCONTACT.P) (detail)*

192.631(f)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Coordination of Field Changes (detail) *Does the process require field personnel and SCADA support personnel to contact the control room when making field changes (for example, moving a valve) that affect control room operations? (CR.CRMCMGT.FIELDCONTACT.P) (detail)*

192.631(f)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Coordination of Field Changes (detail) *Do records indicate field personnel and SCADA support personnel contacted the control room when making field changes (for example, moving a valve) that affect control room operations? (CR.CRMCMGT.FIELDCHANGES.R) (detail)*

192.631(f)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

CRM, SCADA, and Leak Detection - Operating Experience

1. Abnormal Operations (Review) (detail) *Is there a formal, structured approach for reviewing and critiquing reportable events to identify lessons learned?* (CR.CRMEXP.ABNORMALREVIEW.P) (detail)

192.631(g)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Abnormal Operations (Review) (detail) *Do records indicate reviews of reportable events specifically analyzed all contributing factors to determine if control room actions contributed to the event, and corrected any deficiencies?* (CR.CRMEXP.ABNORMALREVIEW.R) (detail)

192.631(g)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Lessons Learned (detail) *Does the program require training on lessons learned from a broad range of events (reportable incidents/accidents, near misses, leaks, operational and maintenance errors, etc.), even though the control room may not have been at fault?* (CR.CRMEXP.LESSONSLEARNED.P) (detail)

192.631(g)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Lessons Learned (detail) *Has operating experience review training been conducted on lessons learned from a broad range of events (reportable incidents/accidents, near misses, leaks, operational and maintenance errors, etc.)?* (CR.CRMEXP.LESSONSLEARNED.R) (detail)

192.631(g)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

CRM, SCADA, and Leak Detection - Training

1. Controller Training Program (detail) *Has a controller training program been established to provide training for each controller to carry out their roles and responsibilities?* (CR.CRMTRAIN.CONTROLLERTRAIN.P) (detail)

192.631(h)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Controller Training Program (detail) *Has a controller training program been implemented to provide training for each controller to carry out their roles and responsibilities?* (CR.CRMTRAIN.CONTROLLERTRAIN.R) (detail)

192.631(h)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Training Program Review (detail) *Have processes been established to review the controller training program content to identify potential improvements at least once each calendar year, but at intervals not to exceed 15 months?* (CR.CRMTRAIN.TRAININGREVIEW.P) (detail)

192.631(h)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Training Program Review (detail) *Have processes been implemented to review the controller training program content to identify potential improvements at least once each calendar year, but at intervals not to exceed 15 months?* (CR.CRMTRAIN.TRAININGREVIEW.R) (detail)

192.631(h)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Content of Training Program (detail) *Does training content address all required material, including training each controller to carry out the roles and responsibilities that were defined by the operator?* (CR.CRMTRAIN.TRAININGCONTENT.R) (detail)

192.631(h)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. List of AOCs for Training (detail) *Has a list of the abnormal operating conditions that are likely to occur simultaneously or in sequence been established?* (CR.CRMTRAIN.AOCLIST.R) (detail)

192.631(h)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Controller Training and Qualification (detail) *Does the training program provide controller training on recognizing and responding to abnormal operating conditions that are likely to occur simultaneously or in sequence?* (CR.CRMTRAIN.TRAININGABNORMAL.P) (detail)

192.631(h)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Controller Training and Qualification (detail) *Do records indicate the training program used a simulator or tabletop exercises to train controllers how to recognize and respond to abnormal operating conditions?* (CR.CRMTRAIN.TRAINING.R) (detail)

192.631(h)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Controller Training and Qualification (detail) *Does the training program use a simulator or tabletop exercises to train controllers how to recognize and respond to abnormal operating conditions?* (CR.CRMTRAIN.TRAINING.O) (detail)

192.631(h)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Communication Training (detail) *Does the CRM program train controllers on their responsibilities for communication under the operator's emergency response procedures?* (CR.CRMTRAIN.COMMUNICATIONTRAINING.P) (detail)

192.631(h)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Working Knowledge of Pipeline System (detail) *Does the training program provide controllers a working knowledge of the pipeline system, especially during the development of abnormal operating conditions?* (CR.CRMTRAIN.SYSKNOWLEDGE.P) (detail)

192.631(h)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. List of Infrequently Used Pipeline Setups (detail) *Has a list of pipeline operating setups that are periodically (but infrequently) used been established?* (CR.CRMTRAIN.INFREQOPSLIST.R) (detail)

192.631(h)(5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Review of Procedures Prior to Use (detail) *Do processes specify that, for pipeline operating set-ups that are periodically (but infrequently) used, the controllers must be provided an opportunity to review relevant procedures in advance of their use?* (CR.CRMTRAIN.INFREQOPSREVIEW.P) (detail)

192.631(h)(5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

CRM, SCADA, and Leak Detection - Compliance Validation and Deviations

1. Submittal of Procedures (detail) *Are there adequate processes to assure that the operator is responsive to requests from applicable agencies to submit their CRM procedures?* (CR.CRMCOMP.SUBMITPROCEDURES.P) (detail)

192.631(i)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Record of Procedure Submittals (detail) *Has the operator been responsive to requests from applicable agencies to submit their CRM procedures?* (CR.CRMCOMP.SUBMITPROCEDURES.R) (detail)

192.631(i)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. CRM Coordinator (detail) *Is there an individual that is responsible and accountable for compliance with requests from PHMSA or other applicable agencies?* (CR.CRMCOMP.CRMCOORDINATOR.R) (detail)

192.631(i)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. CRM Records Management (detail) *Records management processes adequate to assure records are sufficient to demonstrate compliance with the CRM rule?* (CR.CRMCOMP.RECORDS.P) (detail)

192.631(j)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. CRM Records (detail) *Are records sufficient to demonstrate compliance with the CRM rule?* (CR.CRMCOMP.RECORDS.R) (detail)

192.631(j)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Electronic Records (detail) *Are electronic records properly stored, safeguarded, and readily retrievable?* (CR.CRMCOMP.ELECTRONICRECORDS.R) (detail)

192.631(j)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. CRM Deviations (detail) *Are there processes to demonstrate and provide a documented record that every deviation from any CRM rule requirement was necessary for safe operation?* (CR.CRMCOMP.DEVIATIONS.P) (detail)

192.631(j)(2)	**Sat+**	**Sat**	**Concern**	**Unsat**	**NA**	**NC**

Notes

8. Deviation Records (detail) *Were all deviations documented in a way that demonstrates they were necessary for safe operation?* (CR.CRMCOMP.DEVIATION.R) (detail)

192.631(j)(2)	**Sat+**	**Sat**	**Concern**	**Unsat**	**NA**	**NC**

Notes

CRM, SCADA, and Leak Detection - Leak Detection

1. Leak Detection Measures (detail) *Have adequate leak detection measures been taken to mitigate the consequences of a pipeline failure?* (CR.LD.LDSYS.R) (detail)

192.631(g)	**Sat+**	**Sat**	**Concern**	**Unsat**	**NA**	**NC**

Notes

2. Facility Leak Detection (detail) *Does the process require continuing surveillance of facilities to determine and take appropriate action concerning failures/leakage history?* (CR.LD.FACILITY.P) (detail)

192.605(b)(1) (192.613(a); 192.631(b))	**Sat+**	**Sat**	**Concern**	**Unsat**	**NA**	**NC**

Notes

3. Facility Leak Detection (detail) *Do records indicate continuing surveillance of facilities to determine and take appropriate action concerning failures/leakage history?* (CR.LD.FACILITY.R) (detail)

192.605(b)(1) (192.613(a); 192.631(b))	**Sat+**	**Sat**	**Concern**	**Unsat**	**NA**	**NC**

Notes

Design and Construction - Compressor Station Construction

1. Compressor Stations - Storage of Combustible Materials (detail) *Does the process include requirements for the storage of flammable/combustible materials and specify that aboveground oil or gasoline storage tanks being installed at compressor stations be protected in accordance with NFPA No. 30, as required of 192.735(b)? (DC.COCMP.CMPCOMBUSTIBLE.P) (detail)*

192.303 (192.735(a); 192.735(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Compressor Stations - Storage of Combustible Materials (detail) *As applicable to the project, are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)? (DC.COCMP.CMPCOMBUSTIBLE.R) (detail)*

192.735(a) (192.735(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Compressor Stations - Storage of Combustible Materials (detail) *Are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by Â§192.735(b)? (DC.COCMP.CMPCOMBUSTIBLE.O) (detail)*

192.735(a) (192.735(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Compressor Stations Gas Detection (detail) *Does the process specify that compressor buildings have a fixed gas detection and alarm system? (DC.COCMP.CMPGASDETECT.P) (detail)*

192.303 (192.736(a); 192.736(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Compressor Stations Gas Detection (detail) *Are gas detection and alarm systems being installed in applicable compressor buildings?* (DC.COCMP.CMPGASDETECT.R) (detail)

192.736(a) (192.736(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Construction

1. Casings (detail) *Does the process require railroad or highway casings to be in accordance with the requirements of 192.323?* (DC.CO.CASING.P) (detail)

192.303 (192.323(a); 192.323(b); 192.323(c); 192.323(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Casings (detail) *Are railroad or highway casings installed as designed and specified, and in accordance with Â§192.323?* (DC.CO.CASING.R) (detail)

192.323(a) (192.323(b); 192.323(c); 192.323(d); 192.303)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Joining of Materials Other than by Welding (detail) *Does the process require that pipeline joints (to be made other than by welding) be designed and installed in accordance with Â§192.273?* (DC.CO.NONWELDJOINT.P) (detail)

192.303 (192.273(a); 192.273(b); 192.273(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Plastic Pipe Joints (detail) *Does the process require plastic pipe joints to be designed and installed in accordance with §192.281?* (DC.CO.PLASTICJOINT.P) (detail)

192.303 (192.281(a); 192.281(b); 192.281(c); 192.281(d); 192.281(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Plastic Pipe Joints (detail) *As applicable to the project, do records indicate that plastic pipe joints are installed in accordance with the requirements §192.281?* (DC.CO.PLASTICJOINT.R) (detail)

192.281(a) (192.281(b); 192.281(c); 192.281(d); 192.281(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Plastic Pipe Joints (detail) *As applicable to the project, are plastic pipe joints installed in accordance with the requirements §192.281?* (DC.CO.PLASTICJOINT.O) (detail)

192.281(a) (192.281(b); 192.281(c); 192.281(d); 192.281(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Plastic pipe - Qualifying Joining Procedures (detail) *Does the process require plastic pipe joining procedures to be qualified in accordance with §192.283, prior to making plastic pipe joints?* (DC.CO.PLASTICJOINTPROCEDURE.P) (detail)

192.283(a) (192.283(b); 192.283(c); 192.283(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Plastic pipe - Qualifying Joining Procedures (detail) *Is a process in place to ensure that personnel making joints in plastic pipelines are qualified?* (DC.CO.PLASTICJOINTQUAL.P) (detail)

192.285(d) (192.285(a); 192.285(b); 192.285(c); 192.805)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Plastic pipe - Qualifying Joining Procedures (detail) *Do records indicate persons making joints in plastic pipelines are qualified in accordance with §192.285?* (DC.CO.PLASTICJOINTQUAL.R) (detail)

192.285(d) (192.285(a); 192.285(b); 192.285(c); 192.807(a); 192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Plastic pipe - Qualifying Joining Procedures (detail) *Are persons making joints in plastic pipelines qualified?* (DC.CO.PLASTICJOINTQUAL.O) (detail)

192.285(d) (192.285(a); 192.285(b); 192.285(c); 192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Qualification of Personnel Inspecting Joints in Plastic Pipelines (detail) *Is a process in place to assure that persons who inspect joints in plastic pipes are qualified?* (DC.CO.PLASTICJOINTINSP.P) (detail)

192.287 (192.805(h))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Qualification of Personnel Inspecting Joints in Plastic Pipelines (detail) *Do records indicate persons inspecting the making of plastic pipe joints have been qualified?* (DC.CO.PLASTICJOINTINSP.R) (detail)

192.287 (192.807(a); 192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Qualification of Personnel Inspecting Joints in Plastic Pipelines (detail) *Do person(s) inspecting joints in plastic pipelines demonstrate they are qualified to evaluate the acceptability of plastic pipe joints?* (DC.CO.PLASTICJOINTINSP.O) (detail)

192.287 (192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Written Construction Specifications or Standards (detail) *Does the operator have written construction specifications or standards as required of 192.303?* (DC.CO.SPECS.P) (detail)

192.303	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Inspection General (detail) *Does the process require the pipeline to be inspected to ensure that it is constructed in accordance with Part 192?* (DC.CO.INSPECT.P) (detail)

192.303 (192.305)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Inspection General (detail) *Do records indicate the pipeline is being inspected to ensure it is constructed in accordance with Part 192?* (DC.CO.INSPECT.R) (detail)

192.305	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Inspection of Materials (detail) *Does the process require pipe and other components to be visually inspected prior to installation?* (DC.CO.INSPECTVISUAL.P) (detail)

192.303 (192.307)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	NC

Notes

19. Repair of Steel Pipe (detail) *Does the process require repairs to steel pipe, in accordance with §192.309?* (DC.CO.REPAIR.P) (detail)

192.303 (192.309(a); 192.309(b); 192.309(c); 192.309(d); 192.309(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Repair of Steel Pipe (detail) *Do records demonstrate that repairs to steel pipe are being made in accordance with §192.309?* (DC.CO.REPAIR.R) (detail)

192.309(a) (192.309(b); 192.309(c); 192.309(d); 192.309(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	NC

Notes

22. Repair of Plastic Pipe (detail) *Does the process require imperfections or damage of plastic pipe to be repaired or removed?* (DC.CO.REPAIRPLASTIC.P) (detail)

192.303 (192.311)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

23. Repair of Plastic Pipe (detail) *Do records indicate that imperfections or damage of plastic pipe are repaired or removed?* (DC.CO.REPAIRPLASTIC.R) (detail)

192.311	Sat+	Sat	Concern	Unsat	NA	NC

Notes

24. Repair of Plastic Pipe (detail) *Are imperfections or damage of plastic pipe repaired or removed?*
(DC.CO.REPAIRPLASTIC.O) (detail)

192.311	Sat+	Sat	Concern	Unsat	NA	NC

Notes

25. Bends and Elbows (detail) *Does the process require field bends to be made in accordance with §192.313?*
(DC.CO.FIELDBEND.P) (detail)

192.303 (192.313(a); 192.313(b); 192.313(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

26. Bends and Elbows (detail) *Do records indicate that field bends are made in accordance with §192.313?*
(DC.CO.FIELDBEND.R) (detail)

192.313(a) (192.313(b); 192.313(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

27. Bends and Elbows (detail) *Are field bends made in accordance with §192.313(a)?* (DC.CO.FIELDBEND.O) (detail)

192.313(a) (192.313(b); 192.313(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

28. Wrinkle bends (detail) *Does the process require that wrinkle bends are made in accordance with §192.315?* (DC.CO.WRINKLEBEND.P) (detail)

192.303 (192.315(a); 192.315(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

29. Wrinkle bends (detail) *Do records indicate that wrinkle bends are made in accordance with §192.315?*

(DC.CO.WRINKLEBEND.R) (detail)

192.315(a) (192.315(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

30. Wrinkle bends (detail) *Are wrinkle bends made in accordance with §192.315?* (DC.CO.WRINKLEBEND.O)

(detail)

192.315(a) (192.315(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

31. Protection from Hazards (detail) *Does the process require that exposed piping be protected from hazards?* (DC.CO.HAZARD.P) (detail)

192.303 (192.317(a); 192.317(b); 192.317(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

32. Protection from Hazards (detail) *Do records demonstrate that exposed piping being installed is protected from hazards?* (DC.CO.HAZARD.R) (detail)

192.317(a) (192.317(b); 192.317(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

33. Installation of Pipe in a Ditch (detail) *Does the process require that piping be installed such that stresses are minimized and the coating is protected?* (DC.CO.INSTALL.P) (detail)

192.303 (192.319(a); 192.319(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	NC

Notes

35. Installation of Pipe in a Ditch - Offshore (detail) *Does the process require that certain offshore pipe be installed in accordance with §192.319(c)?* (DC.CO.INSTALLOFFSHORE.P) (detail)

192.303 (192.319(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

36. Installation of Pipe in a Ditch - Offshore (detail) *Is certain offshore pipe installed in accordance with §192.319(c)?* (DC.CO.INSTALLOFFSHORE.O) (detail)

192.319(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

37. Installation of Pipe in a Ditch - GOM & Inlets (detail) *Does the process require that certain pipe in the Gulf of Mexico and its inlets be installed the depths required of §192.319(c)?* (DC.CO.INSTALLGOM.P) (detail)

192.303 (192.319(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

38. Installation of Plastic Pipe (detail) *Does process require that plastic pipe be installed as specified by §192.321?* (DC.CO.INSTALLPLASTIC.P) (detail)

192.303 (192.321(a); 192.321(b); 192.321(c); 192.321(d); 192.321(e); 192.321(f); 192.321(g))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

39. Installation of Plastic Pipe (detail) *Do records indicate plastic pipe installed as specified by §192.321?* (DC.CO.INSTALLPLASTIC.R) (detail)

192.321(a) (192.321(b); 192.321(c); 192.321(d); 192.321(e); 192.321(f); 192.321(g))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

40. Installation of Plastic Pipe (detail) *Is plastic pipe installed as specified by §192.321?* (DC.CO.INSTALLPLASTIC.O) (detail)

192.321(a) (192.321(b); 192.321(c); 192.321(d); 192.321(e); 192.321(f); 192.321(g))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

41. Underground Clearance (detail) *Does the process require pipe to be installed with clearances specified in §192.325 and (if plastic) installed as to prevent heat damage to the pipe?* (DC.CO.CLEAR.P) (detail)

192.303 (192.325(a); 192.325(b); 192.325(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

42. Underground Clearance (detail) *Do records indicate pipe is installed with clearances in accordance with §192.325, and (if plastic) installed as to prevent heat damage to the pipe?* (DC.CO.CLEAR.R) (detail)

192.325(a) (192.325(b); 192.325(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

43. Underground Clearance (detail) *Is pipe installed with clearances in accordance with §192.325, and (if plastic) installed as to prevent heat damage to the pipe?* (DC.CO.CLEAR.O) (detail)

192.325(a) (192.325(b); 192.325(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

44. Underground Clearance - Holders (detail) *Does the process require pipe-type or bottle-type holders to be installed in accordance with §192.325(d)? (DC.CO.CLEARHOLDER.P) (detail)*

192.303 (192.325(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

45. Underground Clearance - Holders (detail) *Are pipe-type or bottle-type holders installed in accordance with §192.325(d)? (DC.CO.CLEARHOLDER.O) (detail)*

192.325(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

46. Depth of Cover - Onshore (detail) *Does the process specify that onshore piping is to be installed with a depth of cover as specified in §192.327? (DC.CO.COVER.P) (detail)*

192.303 (192.327(a); 192.327(b); 192.327(c), 192.327(d); 192.327(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

47. Depth of Cover - Onshore (detail) *Is onshore piping minimum cover as specified in §192.327? (DC.CO.COVER.R) (detail)*

192.327(a) (192.327(b); 192.327(c), 192.327(d); 192.327(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

48. Depth of Cover - Onshore (detail) *Is onshore piping minimum cover as specified in §192.327? (DC.CO.COVER.O) (detail)*

192.327(a) (192.327(b); 192.327(c), 192.327(d); 192.327(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

49. Alternative MAOP: Construction (detail) *Do records indicate Alternative MAOP replacement facilities/components meet the additional construction requirements of §192.328?* (DC.CO.AMAOPCONST.R) (detail)

192.328 (192.328(a); 192.328(b); 192.328(c); 192.328(d); 192.328(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Construction Weld Inspection

1. Inspection and Test of Welds (detail) *Does the process require visual inspections of welds to be conducted by qualified inspectors?* (DC.WELDINSP.WELDVISUALQUAL.P) (detail)

192.303 (192.241(a); 192.241(b); 192.241(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Inspection and Test of Welds (detail) *Do records indicate that individuals who perform visual inspection of welding are qualified by appropriate training and experience, as required by §192.241(a)?* (DC.WELDINSP.WELDVISUALQUAL.R) (detail)

192.241(a) (192.241(b); 192.241(c); 192.807(a); 192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	NC

Notes

4. Nondestructive Test and Interpretation Procedures (detail) *Is there a process for nondestructive testing and interpretation?* (DC.WELDINSP.WELDNDT.P) (detail)

192.243(a) (192.243(b)(1); 192.243(b)(2); 192.243(c); 192.243(d); 192.243(e).)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Nondestructive Test and Interpretation Procedures (detail) *Do records indicate that NDT implementation is adequate?* (DC.WELDINSP.WELDNDT.R) (detail)

192.243(a) (192.243(b)(1); 192.243(b)(2); 192.243(c); 192.243(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	NC

Notes

7. Repair or Removal of Weld Defects (detail) *Does the process require welds that are unacceptable to be removed and/or repaired as specified by §192.245?* (DC.WELDINSP.WELDREPAIR.P) (detail)

192.303 (192.245(a); 192.245(b); 192.245(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Repair or Removal of Weld Defects (detail) *Do records indicate that unacceptable welds are removed and/or repaired?* (DC.WELDINSP.WELDREPAIR.R) (detail)

192.245(a) (192.245(b); 192.245(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	NC

Notes

Design and Construction - Construction Welder Qualification

1. Qualification of Welders (detail) *Does the process require welders to be qualified in accordance with 192.227(a)?* (DC.WELDERQUAL.WELDERQUAL.P) (detail)

192.227(a) (192.227(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Qualification of Welders (detail) *Do records indicate that welders are qualified in accordance with 192.227(a)?* (DC.WELDERQUAL.WELDERQUAL.R) (detail)

192.227(a) (192.227(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Limitations on Welders (detail) *Does the process require certain limitations be placed on welders?*
(DC.WELDERQUAL.WELDERLIMITNDT.P) (detail)

192.303 (192.229(a); 192.229(b); 192.229(c); 192.229(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Limitations on Welders (192.229) (detail) *Do records demonstrate that welders were in compliance with the limites of 192.229?* (DC.WELDERQUAL.WELDERLIMIT229.R) (detail)

192.229 (192.229(a); 192.229(b); 192.229(c); 192.229(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Construction Welding Procedures

1. Welding Procedures (detail) *Does the process require welding to be performed by qualified welders using qualified welding procedures and are welding procedures and qualifying tests required to be recorded in detail?* (DC.WELDPROCEDURE.WELD.P) (detail)

192.225(a) (192.225(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Welding Procedures (detail) *Do records indicate weld procedures are being qualified in accordance with §192.225?* (DC.WELDPROCEDURE.WELD.R) (detail)

192.225(a) (192.225(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	NC

Notes

4. Welding Weather (detail) *Does the process require welding to be protected from weather conditions that would impair the quality of the completed weld?* (DC.WELDPROCEDURE.WELDWEATHER.P) (detail)

192.303 (192.231)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Welding Weather (detail) *Do records indicate welding operations are protected from certain weather conditions?* (DC.WELDPROCEDURE.WELDWEATHER.R) (detail)

192.231

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	NC

Notes

7. Miter Joints (detail) *Does the process prohibit the use of certain miter joints?*
(DC.WELDPROCEDURE.MITERJOINT.P) (detail)

192.303 (192.233(a); 192.233(b); 192.233(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Miter Joints (detail) *Do records indicate that certain miter joints are removed?*
(DC.WELDPROCEDURE.MITERJOINT.R) (detail)

192.233(a) (192.233(b); 192.233(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Preparation for Welding (detail) *Does the process require certain preparations for welding, in accordance with Â§192.235?* (DC.WELDPROCEDURE.WELDPREP.P) (detail)

192.303 (192.235)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Preparation for Welding (detail) *Do records indicate welding preparations made in accordance with Â§192.235?* (DC.WELDPROCEDURE.WELDPREP.R) (detail)

192.235	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	NC

Notes

Design and Construction - Design of Pipe

1. Design Formula for Steel Pipe (detail) *Do design records and drawings indicate the design pressure of steel pipe is established in accordance with §192.105(a)?* (DC.DP.DESIGNPRESS105A.R) (detail)

192.105(a) (192.105(b); 192.107(a); 192.107(b); 192.109(a); 192.109(b); 192.111(a); 192.111(b); 192.111(c); 192.111(d); 192.113; 192.115)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Alternative MAOP: Design (192.112) (detail) *Do design records indicate alternative MAOP replacement pipe and components meet the additional design requirements of §192.112?* (DC.DP.AMAOP.R) (detail)

192.112(a) (192.112(b); 192.112(c); 192.112(d); 192.112(e); 192.112(f); 192.112(g); 192.112(h))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Design of Plastic Pipe (192.121) (detail) *Does the process require the design pressure for plastic pipe to be determined in accordance with the formulas in §192.121?* (DC.DP.DESIGNPRESSPLASTIC.P) (detail)

192.103 (192.121)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Design of Plastic Pipe (192.121) (detail) *Do design records and drawings indicate the design pressure for plastic pipe is determined in accordance with the formulas in §192.121? (DC.DP.DESIGNPRESSPLASTIC.R) (detail)*

192.121	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Design Limitations for Plastic Pipe (192.123) (detail) *Does the process require the design limitations of §192.123 be incorporated into the design of plastic pipe? (DC.DP.DESIGNLIMITPLASTIC.P) (detail)*

192.103 (192.123(a); 192.123(b); 192.123(c); 192.123(d); 192.123(e); 192.123(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Design Limitations for Plastic Pipe (192.123) (detail) *Do design records and drawings indicate that the design limitations of §192.123 are incorporated into the design of plastic pipe? (DC.DP.DESIGNLIMITPLASTIC.R) (detail)*

192.123(a) (192.123(b); 192.123(c); 192.123(d); 192.123(e); 192.123(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Design of Compressor Stations

1. Compressor stations - Location of Compressor Building (detail) *Does the process require that, as applicable to the project, compressor building locations meet the requirements of 192.163? (DC.DPCCMP.CMPBLDGLOCATE.P) (detail)*

192.143 (192.163(a); 192.163(b); 192.163(c); 192.163(d); 192.163(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Compressor stations - Location of Compressor Building (detail) *Do design records and installation/construction drawings indicate that, as applicable to the project, compressor building locations meet the requirements of §192.163?* (DC.DPCCMP.CMPBLDGLOCATE.R) (detail)

192.163(a) (192.163(b); 192.163(c); 192.163(d); 192.163(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Compressor stations - Location of Compressor Building (detail) *Do compressor building locations meet the requirements of 192.163(a)?* (DC.DPCCMP.CMPBLDGLOCATE.O) (detail)

192.141 (192.163(a); 192.163(b); 192.163(c); 192.163(d); 192.163(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Compressor Stations Liquid Removal (detail) *Does the process require that compressors are protected from liquids?* (DC.DPCCMP.CMPLIQPROT.P) (detail)

192.143 (192.165(a); 192.165(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Compressor Stations Liquid Removal (detail) *Do records indicate that compressors are protected from liquids?* (DC.DPCCMP.CMPLIQPROT.R) (detail)

192.165(a) (192.615(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Compressor stations Liquid Removal (detail) *Are compressors protected from liquids and, as applicable, liquid separators for compressors installed, in accordance with 192.165?* (DC.DPCCMP.CMPLIQPROT.O) (detail)

192.141 (192.165(a); 192.615(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Compressor Stations Emergency Shutdown (detail) *Does the process require that compressor station emergency shutdown systems meet the requirements of §192.167(a)? (DC.DPCCMP.CMPESD.P) (detail)*

192.143(a) (192.143(b); 192.167(a); 192.167(b); 192.167(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Compressor Stations Emergency Shutdown (detail) *Do records indicate that compressor station emergency shutdown systems meet the requirements of §192.167(a)? (DC.DPCCMP.CMPESD.R) (detail)*

192.167(a) (192.167(b); 192.167(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Compressor Stations Emergency Shutdown (detail) *Do compressor station emergency shutdown systems (except for unattended field compressor stations of 1,000 Hp or less) meet the requirements of 192.167(a)? (DC.DPCCMP.CMPESD.O) (detail)*

192.141 (192.167(a); 192.167(b); 192.167(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Compressor Stations - Pressure Limiting Devices (detail) *As applicable to the project, does the process require that compressor stations have pressure relief or other suitable protective devices? (DC.DPCCMP.CMPPRESSLIMIT.P) (detail)*

192.143(a) (192.143(b); 192.169(a); 192.169(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Compressor Stations - Pressure Limiting Devices (detail) *As applicable to the project, do records indicate that compressor stations have pressure relief or other suitable protective devices? (DC.DPCCMP.CMPPRESSLIMIT.R) (detail)*

192.169(a) (192.169(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Compressor Stations - Pressure Limiting Devices (detail) *As applicable to the project, are pressure relief or other suitable protective devices being installed at compressor stations in accordance with 192.169?* (DC.DPCCMP.CMPPRESSLIMIT.O) (detail)

192.141 (192.169(a); 192.169(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Compressor Stations - Additional safety equipment (detail) *As applicable to the project, does the process require that additional compressor station safety equipment is in accordance with 192.171?* (DC.DPCCMP.CMPSAFETYEQUIP.P) (detail)

192.143(a) (192.143(b); 192.171(a); 192.171(b); 192.171(c); 192.171(d); 192.171(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Compressor Stations - Additional safety equipment (detail) *As applicable to the project, do records indicate that additional compressor station safety equipment is in accordance with 192.171?* (DC.DPCCMP.CMPSAFETYEQUIP.R) (detail)

192.171(a) (192.171(b); 192.171(c); 192.171(d); 192.171(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Compressor Stations - Additional safety equipment (detail) *As applicable to the project, is additional compressor station safety equipment in accordance with 192.171?* (DC.DPCCMP.CMPSAFETYEQUIP.O) (detail)

192.141 (192.171(a); 192.171(b); 192.171(c); 192.171(d); 192.171(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Compressor Stations Ventilation (detail) *As applicable to the project, does the process require that compressor buildings are ventilated to prevent the accumulation of gas?* (DC.DPCCMP.CMPVENTILATE.P) (detail)

192.143(a) (192.143(b); 192.173)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Compressor Stations Ventilation (detail) *As applicable to the project, do records indicate that compressor buildings are ventilated to prevent the accumulation of gas?* (DC.DPCCMP.CMPVENTILATE.R) (detail)

192.173	Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Compressor Stations Ventilation (detail) *As applicable to the project, are compressor buildings ventilated to prevent the accumulation of gas?* (DC.DPCCMP.CMPVENTILATE.O) (detail)

192.141 (192.173)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Design of Pipe - Overpressure Protection

1. Protection against Accidental Overpressuring (detail) *Does the process require the pipeline have pressure relieving or pressure limiting devices that are required of §192.195(a), and that they meet the requirements of §192.199 and §192.201?* (DC.DPCOPP.OVERPRESSURE.P) (detail)

192.143(a) (192.143(b); 192.195(a); 192.199(a); 192.199(b); 192.199(c); 192.199(d); 192.199(e); 192.199(f); 192.199(g); 192.199(h); 192.201(a); 192.201(b); 192.201(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Protection against Accidental Overpressuring (detail) *Do records indicate that the pipeline has pressure relieving or pressure limiting devices that are required of §192.195(a), and that they meet the requirements of §192.199 and §192.201?* (DC.DPCOPP.OVERPRESSURE.R) (detail)

192.195(a) (192.199(a); 192.199(b); 192.199(c); 192.199(d); 192.199(e); 192.199(f); 192.199(g); 192.199(h); 192.201(a); 192.201(b); 192.201(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Protection against Accidental Overpressuring (detail) *Are required pressure relieving or pressure limiting devices being installed, and do they meet the requirements of §192.199 and §192.201?* (DC.DPCOPP.OVERPRESSURE.O) (detail)

192.195(a) (192.199(a); 192.199(b); 192.199(c); 192.199(d); 192.199(e); 192.199(f); 192.199(g); 192.199(h); 192.201(a); 192.201(b); 192.201(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Design of Pressure Relief and Limiting Devices (detail) *Does the process require that pressure relieving or pressure limiting devices meet the requirements of §192.199?* (DC.DPCOPP.PRESSLIMIT.P) (detail)

192.143(a) (192.143(b); 192.199(a); 192.199(b); 192.199(c); 192.199(d); 192.199(e); 192.199(f); 192.199(g); 192.199(h))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Design of Pressure Relief and Limiting Devices (detail) *Do records indicate that pressure relieving or pressure limiting devices meet the requirements of §192.199?* (DC.DPCOPP.PRESSLIMIT.R) (detail)

192.199(a) (192.199(b); 192.199(c); 192.199(d); 192.199(e); 192.199(f); 192.199(g); 192.199(h))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Design of Pressure Relief and Limiting Devices (detail) *Do pressure relieving or pressure limiting devices meet the requirements of §192.199?* (DC.DPCOPP.PRESSLIMIT.O) (detail)

192.199(a) (192.199(b); 192.199(c); 192.199(d); 192.199(e); 192.199(f); 192.199(g); 192.199(h))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Required Capacity of Pressure Relieving and Limiting Stations (detail) *Does the process require that pressure relief or pressure limiting stations being installed comply with §192.201?* (DC.DPCOPP.PRESSLIMITCAP.P) (detail)

192.143(a) (192.143(b); 192.201(a); 192.201(b); 192.201(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Required Capacity of Pressure Relieving and Limiting Stations (detail) *Do records indicate that pressure relief or pressure limiting stations being installed comply with §192.201? (DC.DPCOPP.PRESSLIMITCAP.R) (detail)*

192.201(a) (192.201(b); 192.201(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Required Capacity of Pressure Relieving and Limiting Stations (detail) *Do pressure relief or pressure limiting stations comply with the requirements of §192.201? (DC.DPCOPP.PRESSLIMITCAP.O) (detail)*

192.201(a) (192.201(b); 192.201(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Design of Pipe Components

1. Qualifying Metallic Components (detail) *Do records indicate that certain metallic components are qualified for use in accordance with §192.144? (DC.DPC.METALCOMPONENT.R) (detail)*

192.144(a) (192.144(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Valves (confirm) *Do records indicate valves comply with the requirements of §192.145? (DC.DPC.VALVE.R) (confirm)*

192.145(a) (192.145(b); 192.145(c); 192.145(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Valves (detail) *Do valves comply with the requirements of §192.145? (DC.DPC.VALVE.O) (detail)*

192.141 (192.145(a); 192.145(b); 192.145(c); 192.145(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Flanges and Flange Accessories (detail) *Do records indicate flanges and flange accessories meet the requirements of §192.147?* (DC.DPC.FLANGE.R) (detail)

192.147(a) (192.147(b); 192.147(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Flanges and Flange Accessories (detail) *Do flanges and flange accessories meet the requirements of §192.147?* (DC.DPC.FLANGE.O) (detail)

192.141 (192.147(a); 192.147(b); 192.147(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Standard Fittings - Threaded (detail) *Do records indicate threaded fittings are in compliance with §192.149(a)?* (DC.DPC.FITTINGTHREADED.R) (detail)

192.149(a) (192.149(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Passage of Internal Inspection Devices (detail) *Does the process require that certain transmission pipeline components are designed and constructed to accommodate the passage of instrumented internal inspection devices?* (DC.DPC.ILIPASS.P) (detail)

192.103 (192.150(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Passage of Internal Inspection Devices (detail) *Do records indicate that certain transmission pipeline components are designed and constructed to accommodate the passage of instrumented internal inspection devices?* (DC.DPC.ILIPASS.R) (detail)

192.150(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Passage of Internal Inspection Devices (detail) *Are certain transmission pipeline components designed and constructed to accommodate the passage of instrumented internal inspection devices?* (DC.DPC.ILIPASS.O) (detail)

192.141 (192.150(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Tapping (detail) *Does the process require that tapping fittings and taps comply with the requirements of §192.151?* (DC.DPC.TAP.P) (detail)

192.143 (192.151(a); 192.151(b); 192.151(c).)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Tapping (detail) *Do records indicate that tapping fittings and taps comply with the requirements of §192.151?* (DC.DPC.TAP.R) (detail)

192.151 (192.151(a); 192.151(b); 192.151(c).)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Tapping (detail) *Do tapping fittings and taps comply with the requirements of §192.151?* (DC.DPC.TAP.O) (detail)

192.141 (192.151(a); 192.151(b); 192.151(c).)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Components Fabricated by Welding (detail) *Does the process require components fabricated by welding to be in accordance with §192.153?* (DC.DPC.WELDFABRICATE.P) (detail)

192.143 (192.153(a); 192.153(b); 192.153(c); 192.153(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Components Fabricated by Welding (detail) *Do records indicate that components fabricated by welding are in accordance with §192.153? (DC.DPC.WELDFABRICATE.R) (detail)*

192.153(a) (192.153(b); 192.153(c); 192.153(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Components Fabricated by Welding (detail) *Are components fabricated by welding in accordance with §192.153? (DC.DPC.WELDFABRICATE.O) (detail)*

192.141 (192.153(a); 192.153(b); 192.153(c); 192.153(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Supports and Anchors (detail) *Do records indicate piping and associated equipment have sufficient anchors or supports to prevent undue strain on connected equipment, resist longitudinal forces, and prevent or dampen excessive vibration? (DC.DPC.SUPPORT.R) (detail)*

192.161(a) (192.161(b); 192.161(c); 192.161(d); 192.161(e); 192.161(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Supports and Anchors (detail) *Are anchors and supports being installed as required by §192.161? (DC.DPC.SUPPORT.O) (detail)*

192.141 (192.161(a); 192.161(b); 192.161(c); 192.161(d); 192.161(e); 192.161(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Transmission Line Valve Spacing (detail) *Does the process require transmission line valve spacing to be accordance with §192.179(a)? (DC.DPC.VALVESPACE.P) (detail)*

192.143 (192.179(a); 192.179(a)(1); 192.179(a)(2); 192.179(a)(3); 192.179(a)(4); 192.179(b); 192.179(c); 192.179(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Transmission Line Valve Spacing (detail) *Do records indicate that transmission line valve spacing is in accordance with §192.179(a)?* (DC.DPC.VALVESPACE.R) (detail)

192.179(a) (192.179(a)(1); 192.179(a)(2); 192.179(a)(3); 192.179(a)(4); 192.179(b); 192.179(c); 192.179(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Transmission Line Valve Spacing (detail) *Are transmission line valves being installed as required of §192.179?* (DC.DPC.VALVESPACE.O) (detail)

192.141 (192.179(a); 192.179(b); 192.179(c); 192.179(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Design Pressure of Plastic Fittings (detail) *Does the process require plastic fittings conform to the standards referenced in §192.191?* (DC.DPC.PLASTICFITTING.P) (detail)

192.191(a) (192.191(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

22. Design Pressure of Plastic Fittings (detail) *Do records indicate that plastic fittings conform to the standards referenced in §192.191?* (DC.DPC.PLASTICFITTING.R) (detail)

192.191(a) (192.191(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

23. Pipe and Bottle Type Holders (detail) *As applicable to the project, does the process require that pipe and bottle type holders are designed to meet requirements?* (DC.DPC.HOLDERS.P) (detail)

192.143(a) (192.143(b); 192.175(a); 192.175(b); 192.177(a); 192.177(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

24. Pipe and Bottle Type Holders (detail) *As applicable to the project, do records indicate that pipe and bottle type holders are designed to meet requirements?* (DC.DPC.HOLDERS.R) (detail)

192.175(a) (192.175(b); 192.177(a); 192.177(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

25. Pipe and Bottle Type Holders (detail) *As applicable to the project, are pipe-type and bottle-type holders installed as designed and in accordance with §192.175?* (DC.DPC.HOLDERS.O) (detail)

192.141 (192.175(a); 192.175(b); 192.177(a); 192.177(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

26. Vaults Structural Design Requirements (detail) *As applicable to the project, does the process require that vaults and valve pits are designed in accordance with §192.183?* (DC.DPC.VAULT.P) (detail)

192.143(a) (192.143(b); 192.183(a); 192.183(b); 192.183(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

27. Vaults Structural Design Requirements (detail) *As applicable to the project, do records indicate that vaults and valve pits are designed in accordance with §192.183?* (DC.DPC.VAULT.R) (detail)

192.183(a) (192.183(b); 192.183(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

28. Vaults Structural Design Requirements (detail) *As applicable to the project, are vaults/pits installed as designed, and per the requirements of §192.183?* (DC.DPC.VAULT.O) (detail)

192.141 (192.183(a); 192.183(b); 192.183(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

29. Vaults Accessibility (detail) *As applicable to the project, does the process require that vaults are located in an accessible location?* (DC.DPC.VAULTACCESS.P) (detail)

192.143(a) (192.143(b); 192.185(a); 192.185(b); 192.185(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

30. Vaults Accessibility (detail) *As applicable to the project, do records indicate that vaults are located in an accessible location?* (DC.DPC.VAULTACCESS.R) (detail)

192.185(a) (192.185(b); 192.185(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

31. Vaults Accessibility (detail) *As applicable to the project, are vaults located in an accessible location?* (DC.DPC.VAULTACCESS.O) (detail)

192.141 (192.185(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

32. Vaults Sealing, Venting, and Ventilation (detail) *As applicable to the project, does the process require that underground vaults or closed top pits are to be sealed, vented or ventilated as required by §192.187?* (DC.DPC.VAULTSEAL.P) (detail)

192.187(a) (192.187(b); 192.187(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

33. Vaults Sealing, Venting, and Ventilation (detail) *As applicable to the project, do records indicate that underground vaults or closed top pits are to be sealed, vented or ventilated as required by §192.187?* (DC.DPC.VAULTSEAL.R) (detail)

192.187(a) (192.187(b); 192.187(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

34. Vaults Sealing, Venting, and Ventilation (detail) *As applicable to the project, are vaults/pits sealed, ventilated, or vented as required of §192.187? (DC.DPC.VAULTSEAL.O) (detail)*

192.141 (192.187(a); 192.187(b); 192.187(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

35. Vaults Drainage and Waterproofing (detail) *As applicable to the project, does the process require that underground vaults or pits are protected from water intrusion as required of §192.189? (DC.DPC.VAULTWATER.P) (detail)*

192.143(a) (192.143(b); 192.189(a); 192.189(b); 192.189(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

36. Vaults Drainage and Waterproofing (detail) *As applicable to the project, do records indicate that underground vaults or pits are protected from water intrusion as required of §192.189? (DC.DPC.VAULTWATER.R) (detail)*

192.189(a) (192.189(b); 192.189(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

37. Vaults Drainage and Waterproofing (detail) *As applicable to the project, are vaults installed to minimize water entrance, and have proper electrical equipment? (DC.DPC.VAULTWATER.O) (detail)*

192.141 (192.189(a); 192.189(b); 192.189(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

38. Instrument, Control, and Sampling Pipe and Components (detail) *As applicable to the project, does the process require that instrument, control, and sampling pipe and components are designed in accordance with §192.203? (DC.DPC.INSTRUMENTPIPE.P) (detail)*

192.143(a) (192.143(b); 192.203(a); 192.203(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

39. Instrument, Control, and Sampling Pipe and Components (detail) *As applicable to the project, do records indicate that instrument, control, and sampling pipe and components are designed in accordance with §192.203? (DC.DPC.INSTRUMENTPIPE.R) (detail)*

192.203(a) (192.203(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

40. Instrument, Control, and Sampling Pipe and Components (detail) *As applicable to the project, are instrument, control, and sampling pipe and components installed as designed and in accordance with §192.203? (DC.DPC.INSTRUMENTPIPE.O) (detail)*

192.141 (192.203(a); 192.203(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

41. Internal Corrosion Control: Design and Construction (192.476) (detail) *Does the process require that the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of §192.476? (DC.DPC.INTCORRODE.P) (detail)*

192.453 (192.476(a); 192.476(b); 192.476(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

42. Internal Corrosion Control: Design and Construction (192.476) (detail) *Do records demonstrate the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of §192.476? (DC.DPC.INTCORRODE.R) (detail)*

192.476(a) (192.476(b); 192.476(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

43. Internal Corrosion Control: Design and Construction (192.476) (detail) *Does the transmission project's design and construction comply with §192.476? (DC.DPC.INTCORRODE.O) (detail)*

192.476(a) (192.476(b); 192.476(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

44. Alternative MAOP: Design and test factors (detail) *Do records indicate alternative MAOP replacement facilities/components meet the design and test factor requirements listed in §192.620(a)?* (DC.DPC.AMAOP.R) (detail)

192.620(a) (192.620(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Gathering

1. Gathering Lines (detail) *Does evidence demonstrate compliance with the design and installation requirements of Part 192 for certain gathering lines?* (DC.GA.COMPLIANCE.P) (detail)

192.9(a) (192.9(b); 192.9(c); 192.9(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Gathering Lines (detail) *Does evidence demonstrate compliance with the design and installation requirements of Part 192 for certain gathering lines?* (DC.GA.COMPLIANCE.O) (detail)

192.9(a) (192.9(b); 192.9(c); 192.9(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Maintenance and Operations

1. Internal Corrosion in Cutout Pipe (detail) *Does the process direct personnel to examine removed pipe for evidence of internal corrosion?* (DC.MO.ICEXAMINE.P) (detail)

192.605(b) (192.475(a); 192.475(b); 192.475(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Internal Corrosion in Cutout Pipe (detail) *Do records indicate examination of removed pipe for evidence of internal corrosion?* (DC.MO.ICEXAMINE.R) (detail)

192.491(c) (192.475(a); 192.475(b); 192.475(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Internal Corrosion in Cutout Pipe (detail) *Is examination of removed pipe conducted to determine any evidence of internal corrosion?* (DC.MO.ICEXAMINE.O) (detail)

192.475(a) (192.475(b); 192.475(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Start–Stop Procedures (detail) *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 MAOP limits prescribed by this part, plus the build-up allowed for operation of pressure-limiting and control devices?* (DC.MO.MAOPLIMIT.P) (detail)

192.605(b)(5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Start–Stop Procedures (detail) *Do records indicate that the pressure limitations on the pipeline are not exceeded?* (DC.MO.MAOPLIMIT.R) (detail)

192.605(b)(5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Start–Stop Procedures (detail) *During startup or shut-in, is it assured that the pressure limitations on the pipeline were not exceeded?* (DC.MO.MAOPLIMIT.O) (detail)

192.605(b)(5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Prevention of Accidental Ignition (detail) *As applicable to the project, is a process in place for preventing accidental ignition where gas presents a hazard of fire or explosion?* (DC.MO.IGNITION.P) (detail)

192.605(b) (192.751(a); 192.751(b); 192.751(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Prevention of Accidental Ignition (detail) *If applicable to the project, were processes followed where there exists the potential for accidental ignition?* (DC.MO.IGNITION.O) (detail)

192.751(a) (192.751(b); 192.751(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Tapping Pipelines Under Pressure (detail) *Are there processes for tapping pipelines under pressure?* (DC.MO.HOTTAP.P) (detail)

192.605(b) (192.627)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Tapping Pipelines Under Pressure (detail) *Do records indicate that hot taps are performed in accordance with hot tap procedures?* (DC.MO.HOTTAP.R) (detail)

192.627	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Tapping Pipelines Under Pressure (detail) *Are hot taps are performed in accordance with hot tap procedures?* (DC.MO.HOTTAP.O) (detail)

192.627	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Safety - Maintenance Construction and Testing (detail) *Does the process ensure that pipeline maintenance construction and testing activities are made to provide safety, as required of 192.605(b)? (DC.MO.SAFETY.P) (detail)*

192.605(b) (192.605(b)(9))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Safety - Maintenance Construction and Testing (detail) *Do records indicate that pipeline maintenance construction and testing activities are performed in a safe manner? (DC.MO.SAFETY.R) (detail)*

192.605(b) (192.605(b)(9))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Safety - Maintenance Construction and Testing (detail) *Are pipeline maintenance construction and testing activities made in a safe manner? (DC.MO.SAFETY.O) (detail)*

192.605(b) (192.605(b)(9))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Materials

1. New Pipe Qualification (detail) *Does the process require new steel pipe to be qualified in accordance with §192.55(a)? (DC.MA.NEWPIPE.P) (detail)*

192.53(a) (192.53(b); 192.53(c); 192.55(a); 192.55(b); 192.55(c); 192.55(d); 192.55(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. New Pipe Qualification (detail) *Do records indicate new steel pipe is qualified in accordance with §192.55(a)?* (DC.MA.NEWPIPE.R) (detail)

192.55(a) (192.55(b); 192.55(c); 192.55(d); 192.55(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Plastic Pipe (detail) *Does the process require that plastic pipe be qualified in accordance with §192.59?* (DC.MA.PLASTIC.P) (detail)

192.53(a) (192.53(b); 192.53(c); 192.59(a); 192.59(b); 192.59(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Plastic Pipe (detail) *Do records indicate that plastic pipe is qualified in accordance with §192.59?* (DC.MA.PLASTIC.R) (detail)

192.59(a) (192.59(b); 192.59(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Marking of Materials (detail) *Does the process require pipe, valves, and fittings to be marked?* (DC.MA.MARKING.P) (detail)

192.53(a) (192.53(b); 192.53(c); 192.63(a); 192.63(b); 192.63(c); 192.63(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Marking of Materials (detail) *Are pipe, valves, and fittings properly marked for identification?* (DC.MA.MARKING.O) (detail)

192.63(a) (192.63(b); 192.63(c); 192.63(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Railroad Transportation of Certain Pipe (detail) *Does the process require railroad transportation for certain pipe be in accordance with API RP 5L1? (DC.MA.TRANSPORT.P) (detail)*

192.53(a) (192.53(b); 192.53(c); 192.65(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Railroad Transportation of Certain Pipe (detail) *Do records indicate that railroad transportation for certain pipe was in accordance with API RP 5L1? (DC.MA.TRANSPORT.R) (detail)*

192.65(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Railroad Transportation of Certain Pipe (detail) *Was/is pipe loaded and handled in accordance with API RP 5L1? (DC.MA.TRANSPORT.O) (detail)*

192.65(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Pressure Testing

1. General - Testing Requirements (detail) *Does the process require pressure testing to be conducted for new segments of pipeline, or return to service segments of pipeline that are being relocated or replaced? (DC.PT.PRESSTEST.P) (detail)*

192.605(b) (192.303; 192.503(a); 192.503(b); 192.503(c); 192.503(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. General - Testing Requirements (detail) *Do records indicate that pressure testing is conducted in accordance with §192.503? (DC.PT.PRESSTEST.R) (detail)*

192.503(a) (192.503(b); 192.503(c); 192.503(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	NC

Notes

4. Strength Test Requirements for SMYS > 30%. (detail) *Does the process require compliance with the requirements of §192.505, when pressure testing steel pipelines to operate at a hoop stress of 30% or more of SMYS? (DC.PT.PRESSTESTHIGHSTRESS.P) (detail)*

192.605(b) (192.303; 192.505(a); 192.505(b); 192.505(c); 192.505(d); 192.505(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

192.517(a) (192.505(a); 192.505(b); 192.505(c); 192.505(d); 192.505(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	NC

Notes

7. Test Requirements for Plastic Pipe (detail) *Does the process require compliance with the requirements of §192.513, when pressure testing plastic pipelines?* (DC.PT.PRESSTESTPLASTIC.P) (detail)

192.303 (192.513(a); 192.513(b); 192.513(c); 192.513(d); 192.605(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Test Requirements for Plastic Pipe (detail) *Do records indicate that pressure testing is conducted in accordance with §192.513?* (DC.PT.PRESSTESTPLASTIC.R) (detail)

192.517(a) (192.513(a); 192.513(b); 192.513(c); 192.513(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Test Requirements for Plastic Pipe (detail) *Is pressure testing conducted in accordance with §192.513?* (DC.PT.PRESSTESTPLASTIC.O) (detail)

192.513(a) (192.513(b); 192.513(c); 192.513(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Testing Environmental Requirements (detail) *Does the process require disposal of the test medium in a manner that will minimize damage to the environment?* (DC.PT.PRESSTESTENVIRON.P) (detail)

192.303 (192.515(a); 192.515(b); 192.605(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Testing Environmental Requirements (detail) *Do records indicate that pressure testing and medium disposal is conducted in accordance with §192.515?* (DC.PT.PRESSTESTENVIRON.R) (detail)

192.517(a) (192.515(a); 192.515(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Testing Environmental Requirements (detail) *Are pressure testing and medium disposal conducted in accordance with §192.515? (DC.PT.PRESSTESTENVIRON.O) (detail)*

192.515(a) (192.515(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Strength Testing Records (detail) *Does the process require the creation, and retention for the useful life of the pipeline, a record of each test performed under §§192.505 and 192.507? (DC.PT.PRESSTESTRECORD.P) (detail)*

192.303 (192.517(a); 192.605(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Strength Testing Records (detail) *As applicable to the project, verify that test records are being made and contain information required by §192.517(a). (DC.PT.PRESSTESTRECORD.R) (detail)*

192.517(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Pressure Testing - Low Pressure

1. Strength Test Duration Requirements for SMYS < 30% (detail) *Does the process require compliance with the requirements of §192.507, when pressure testing pipelines to operate at a hoop stress less than 30% SMYS and at or above 100 psig? (DC.PTLOWPRESS.PRESSTESTLOWSTRESS.P) (detail)*

192.303 (192.507(a); 192.507(b); 192.507(c); 195.605(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Strength Test Duration Requirements for SMYS < 30% (detail) *Do records indicate that pressure testing is conducted in accordance with §192.507? (DC.PTLOWPRESS.PRESSTESTLOWSTRESS.R) (detail)*

192.517(a) (192.507(a); 192.507(b); 192.507(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Strength Test Duration Requirements for SMYS < 30% (detail) *Is pressure testing conducted in accordance with §192.507? (DC.PTLOWPRESS.PRESSTESTLOWSTRESS.O) (detail)*

192.507(a) (192.507(b); 192.507(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Strength Test Requirements for Operations < 100 psig (detail) *Does the process require compliance with the requirements of 192.509, when pressure testing pipelines to operate at less than 100 psig? (DC.PTLOWPRESS.PRESSTEST100PSIG.P) (detail)*

192.303 (192.509(a); 192.509(b); 192.605(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Strength Test Requirements for Operations < 100 psig (detail) *Do records indicate that pressure testing is conducted in accordance with §192.509(a)? (DC.PTLOWPRESS.PRESSTEST100PSIG.R) (detail)*

192.517(a) (192.509(a); 192.509(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Strength Test Requirements for Operations < 100 psig (detail) *Is pressure testing conducted in accordance with §192.509(a)? (DC.PTLOWPRESS.PRESSTEST100PSIG.O) (detail)*

192.509(a) (192.509(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Testing Environmental Requirements (detail) *Does the process require disposal of the test medium in a manner that will minimize damage to the environment?* (DC.PTLOWPRESS.PRESSTESTENVIRON.P) (detail)

192.303 (192.515(a); 192.515(b); 192.605(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Testing Environmental Requirements (detail) *Do records indicate that pressure testing and medium disposal is conducted in accordance with 192.515?* (DC.PTLOWPRESS.PRESSTESTENVIRON.R) (detail)

192.517(a) (192.515(a); 192.515(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Testing Environmental Requirements (detail) *Are pressure testing and medium disposal conducted in accordance with 192.515?* (DC.PTLOWPRESS.PRESSTESTENVIRON.O) (detail)

192.515(a) (192.515(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Strength Testing Records (detail) *Does the process require the creation, and retention for the useful life of the pipeline, a record of each test performed under 192.505 and 192.507?* (DC.PTLOWPRESS.PRESSTESTRECORD.P) (detail)

192.303 (192.517(a); 192.605(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Strength Testing Records (detail) *As applicable to the project, verify that test records are being made and contain information required by 192.517(a).* (DC.PTLOWPRESS.PRESSTESTRECORD.R) (detail)

192.517(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Special Permits

1. Special Permit/Waiver: Replacement of Pipe in a Special Permit Area (detail) *Is the pipeline and applicable facilities being replaced in accordance with the design and construction requirements of Part 192 and the conditions of the Special Permit? (DC.SP.SP.O) (detail)*

190.341(d)(2) (Special Permit)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Training and Qualification

1. Covered Tasks - Construction Maintenance (detail) *Does the process include covered tasks relating to "construction-type" maintenance? (DC.TQ.OQCONSTMAINT.P) (detail)*

192.805(a) (Operators OQ program manual)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Abnormal Operating Conditions (confirm) *Do records show evaluation of qualified individuals for recognition and reaction to AOCs? (DC.TQ.ABNORMAL.R) (confirm)*

192.807(a) (192.803)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Skills and Knowledge of Personnel Performing Covered Tasks - Contractor employees (detail) *Are qualification records maintained for contractor personnel? (DC.TQ.OQCONTRACTOR.R) (detail)*

192.807(a) (Operators OQ program manual)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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**	**Concern**	**Unsat**	**NA**	**NC**

Notes

5. Qualification Records - Operator Employee (confirm) *Are qualification records maintained for operator personnel?* (DC.TQ.RECORDS.R) (confirm)

192.807(a) (Operators OQ program manual)	**Sat+**	**Sat**	**Concern**	**Unsat**	**NA**	**NC**

Notes

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**	**Concern**	**Unsat**	**NA**	**NC**

Notes

7. Qualification of Personnel who Oversee and Perform Excavations and Backfilling Operations (detail) *Do records demonstrate individuals who oversee marking, trenching and backfilling operations are qualified?* (DC.TQ.EXCAVATE.R) (detail)

192.807(a) (ADB-06-01)	**Sat+**	**Sat**	**Concern**	**Unsat**	**NA**	**NC**

Notes

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**	**Concern**	**Unsat**	**NA**	**NC**

Notes

9. Qualification of Personnel Performing Hot Taps (detail) *Do records document the qualification of personnel performing hot taps?* (DC.TQ.HOTTAP.R) (detail)

192.807(a) (192.627)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	NC

Notes

Emergency Preparedness and Response - Emergency Response

1. Emergency Plan Review (detail) *Does the process include a requirement to review the manual at intervals not exceeding 15 months, but at least once each calendar year?* (EP.ERG.REVIEW.P) (detail)

192.605(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Emergency Plan Review (confirm) *Have annual reviews been conducted of the emergency plans and procedures as required, and any updates completed as appropriate?* (EP.ERG.REVIEW.R) (confirm)

192.605(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Distribution of Emergency Plan and Procedures (confirm) (presented above) *Are supervisors provided the applicable portions of the emergency plan and procedures?* (EP.ERG.LOCATION.O) (confirm)

192.615(b)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Incident Investigation Data (detail) *Does the process include the steps necessary for the gathering of data needed for reporting incidents under Part 191 of this chapter in a timely and effective manner? (EP.ERG.INCIDENTDATA.P) (detail)*

192.605(b)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Receiving Notices (detail) *Does the emergency plan include procedures for receiving, identifying, and classifying notices of events which need immediate response? (EP.ERG.NOTICES.P) (detail)*

192.615(a)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Receiving Notices (detail) *Do records indicate receiving, identifying, classifying and communication of notices of events requiring immediate response in accordance with procedures? (EP.ERG.NOTICES.R) (detail)*

192.615(a)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Emergency Response Communication (detail) *Does the emergency plan include procedures for establishing and maintaining adequate means of communication with appropriate fire, police, and other public officials? (EP.ERG.COMMSYS.P) (detail)*

192.615(a) (192.615(a)(2))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Emergency Response (detail) *Does the emergency plan include procedures for making a prompt and effective response to a notice of each type of emergency, including gas detected inside or near a building, a fire or explosion near or directly involving a pipeline facility, or a natural disaster? (EP.ERG.RESPONSE.P) (detail)*

192.615(a) (192.615(a)(3); 192.615(a)(11); 192.615(b)(1))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Emergency Response (detail) *Does the process include procedures for ensuring the availability of personnel, equipment, tools, and materials as needed at the scene of an emergency?* (EP.ERG.READINESS.P) (detail)

192.615(a) (192.615(a)(4))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Emergency Response (confirm) *Are personnel, equipment, tools, and materials needed at the scene of an emergency available as required by its procedures?* (EP.ERG.READINESS.O) (confirm)

192.615(a)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Emergency Response - Actions (detail) *Does the emergency plan include procedures for taking actions directed toward protecting people first and then property?* (EP.ERG.PUBLICPRIORITY.P) (detail)

192.615(a) (192.615(a)(5))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Emergency Response (detail) *Does the emergency plan include procedures for the emergency shutdown or pressure reduction in any section of pipeline system necessary to minimize hazards to life or property?* (EP.ERG.PRESSREDUCESD.P) (detail)

192.615(a) (192.615(a)(6))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Emergency Response - Hazards (detail) *Does the emergency plan include procedures for making safe any actual or potential hazard to life or property?* (EP.ERG.PUBLICHAZ.P) (detail)

192.605(a) (192.615(a)(7))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Public Official Notification (detail) *Does the emergency plan include procedures for notifying appropriate public officials of gas pipeline emergencies and coordinating with them both planned responses and actual responses during an emergency? (EP.ERG.AUTHORITIES.P) (detail)*

192.615(a) (192.615(a)(8))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Service Outage Restoration (detail) *Does the emergency plan include procedures for safely restoring any service outage? (EP.ERG.OUTAGERESTORE.P) (detail)*

192.615(a) (192.615(a)(9))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Incident Investigation Actions (detail) *Does the process include procedures for beginning action under §192.617, if applicable, as soon after the end of the emergency as possible? (EP.ERG.INCIDENTACTIONS.P) (detail)*

192.615(a) (192.615(a)(10))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Incident Investigation (detail) *Does the process include procedures for analyzing accidents and failures, including the selection of samples of the failed facility or equipment for laboratory examination, where appropriate, for the purpose of determining the causes of the failure and minimizing the possibility of recurrence? (EP.ERG.INCIDENTANALYSIS.P) (detail)*

192.617	Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Incident Investigation (confirm) *Do records indicate actions initiated to analyze accidents and failures, including the collection of appropriate samples for laboratory examination to determine the causes of the failure and minimize the possibility of recurrence, in accordance with its procedures? (EP.ERG.INCIDENTANALYSIS.R) (confirm)*

192.605(a) (192.617)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Emergency Response Training (detail) *Does the process include training of the appropriate operating personnel to assure they are knowledgeable of the emergency procedures and verifying that the training is effective?* (EP.ERG.TRAINING.P) (detail)

192.615(b)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Emergency Response Training (detail) *Has the operator trained the appropriate operating personnel on emergency procedures and verified that the training was effective in accordance with its procedures?* (EP.ERG.TRAINING.R) (detail)

192.605(a) (192.615(b)(2))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Emergency Response Training (detail) *Do emergency response personnel demonstrate adequate skills and knowledge?* (EP.ERG.TRAINING.O) (detail)

192.615(b)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

22. Emergency Response Performance (confirm) *Does the process include detailed steps for reviewing employee activities to determine whether the procedures were effectively followed in each emergency?* (EP.ERG.POSTEVNTREVIEW.P) (confirm)

192.615(b)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

23. Emergency Response Performance (confirm) *Do records indicate review of employee activities to determine whether the procedures were effectively followed in each emergency?* (EP.ERG.POSTEVNTREVIEW.R) (confirm)

192.605(a) (192.615(b)(1); 192.615(b)(3))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

24. Liaison with Public Officials (detail) *Does the process include steps for establishing and maintaining liaison with appropriate fire, police and other public officials and utility owners? (EP.ERG.LIAISON.P) (detail)*

192.615(c) (192.615(c)(1); 192.615(c)(2); 192.615(c)(3); 192.615(c)(4); 192.616(c); ADB-05-03)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

25. Liaison with Public Officials (detail) *Do records indicate liaisons established and maintained with appropriate fire, police and other public officials and utility owners in accordance with procedures? (EP.ERG.LIAISON.R) (detail)*

192.605(a) (192.615(c)(1); 192.615(c)(2); 192.615(c)(3); 192.615(c)(4); 192.616(c); ADB-05-03)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Facilities and Storage - Compressor Station System Protection

1. Compressor Station Design/Construction - ESD Gas Block (confirm) *Does each compressor station have an emergency shutdown system that is capable of blocking gas out of the station and blow down the station piping? NOTE: Not required for field compressor stations of 1,000 horsepower (746 kilowatts) or less. (FS.CSSYSPROT.ESDGASBLK.O) (confirm)*

192.167(a)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Compressor Station Design/Construction - ESD Gas Discharge (detail) *Does each compressor station have an emergency shutdown system that is capable of safely discharging blowdown gas from the blowdown piping at a location where the gas will not create a hazard? (FS.CSSYSPROT.ESDGASDISCH.O) (detail)*

192.167(a)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Compressor Station Design/Construction - ESD (detail) *Does each compressor station have an emergency shutdown system that is capable of shutting down gas compressing equipment and gas fires in the vicinity of gas headers and compressor buildings? (FS.CSSYSPROT.ESDGASSD.O) (detail)*

192.167(a)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Compressor Station Design/Construction - ESD Electrical (confirm) *Does each compressor station have an emergency shutdown system that is capable of shutting down electrical facilities (except emergency and equipment protection circuits) near gas headers and within compressor buildings? (FS.CSSYSPROT.ESDELECSD.O) (confirm)*

192.167(a)(3)(i) (192.167(a)(3)(ii))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Compressor Station Design/Construction - ESD Locations (confirm) (presented above) *Does each compressor station have an emergency shutdown system that is capable of being operated from at least two locations which are: 1) Outside the gas area of the station, 2) Near the exit gates, if the station is fenced, or near emergency exits, if not fenced, 3) And not more than 500 feet (153 meters) from the limits of the station? (FS.CSSYSPROT.ESDLOCATION.O) (confirm)*

192.167(a)(4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Compressor Station Design/Construction - Distribution Supply ESD (detail) *Does each compressor station that supplies gas directly to a distribution system (with no other adequate sources of gas available) have an emergency shutdown system that will not function at the wrong time or cause unintended outages? (FS.CSSYSPROT.ESDDISTSD.O) (detail)*

192.167(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Compressor Station Design/Construction - Unattended Platform ESD (detail) *Does each unattended platform compressor station located offshore or in inland navigable waters have an emergency shutdown system that will actuate automatically in the event of the following occurrences? 1) When gas pressure equals the MAOP plus 15 percent and, 2) When an uncontrolled fire occurs on the platform.* (FS.CSSYSPROT.UNATTPLATCMPSD.O) (detail)

192.167(c)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Compressor Station Design/Construction - Platform ESD (detail) *Does each platform compressor station, located offshore or in inland navigable waters, within a building have an emergency shutdown system that will actuate automatically in the event of the following occurrences? 1) When an uncontrolled fire occurs in the building and, 2) When the concentration of gas in the air within the building reaches 50 percent of the lower explosive limit that has a source of ignition.* (FS.CSSYSPROT.PLATCMPSD.O) (detail)

192.167(c)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Compressor Station Design/Construction - MAOP (detail) *Do compressor stations have pressure relief or other suitable protective devices with sufficient capacity and sensitivity so as to protect station piping from exceed 110% of MAOP?* (FS.CSSYSPROT.CMPMAOP.O) (detail)

192.169(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Compressor Station Design/Construction - Relief Discharge (detail) *Do pressure relief valves exhaust gas to a location where the gas will not cause a hazard?* (FS.CSSYSPROT.RELIEFDISCH.O) (detail)

192.169(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Compressor Station Design/Construction - Fire Protection (detail) *Do compressor stations have adequate fire protection facilities?* (FS.CSSYSPROT.CMPFP.O) (detail)

192.171(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Compressor Station Design/Construction - Over-Speed Protection (detail) *Do compressor stations' prime movers other than electrical induction or synchronous motors have automatic shutdown devices that will prevent over-speed of the prime mover or the unit being driven? (FS.CSSYSPROT.CMPOVSPD.O) (detail)*

192.171(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Compressor Station Design/Construction - Lubrication (detail) *Do compressor units have shutdown or alarm devices that will operate in the event of inadequate heating or lubrication? (FS.CSSYSPROT.CMPLUBPROT.O) (detail)*

192.171(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Compressor Station Design/Construction - Gas Engine Shutdown (detail) *Are compressor station gas engines that operate with pressure gas injection equipped so that stoppage of the engine will result in the fuel being automatically shut off and the engine distribution manifold being vented? (FS.CSSYSPROT.CMPGASENGSD.O) (detail)*

192.171(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Compressor Station Design/Construction - Gas Engine Mufflers (detail) *Are gas engines in compressor stations equipped with mufflers that prevent gas from being trapped in the muffler? (FS.CSSYSPROT.CMPGASENGMFL.O) (detail)*

192.171(e)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Compressor Station Design/Construction - Pressure Relief (detail) *Does the process provide adequate detail for inspection and testing of compressor station pressure relief devices with the exception of rupture disks? (FS.CSSYSPROT.CMPRELIEF.P) (detail)*

192.605(b)(1) (192.731(a); 192.731(b); 192.731(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Compressor Station Design/Construction - Pressure Relief (detail) *Do records document with adequate detail that all inspection and testing of compressor station pressure relief devices with the exception of rupture disks have occurred at the required interval? (FS.CSSYSPROT.CMPRELIEF.R) (detail)*

192.709(b) (192.709(c); 192.731(a); 192.731(b); 192.731(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Compressor Station Design/Construction - Pressure Relief (detail) *Are pressure relief/limiting devices inside a compressor station designed, installed, and inspected properly? (FS.CSSYSPROT.CMPRELIEF.O) (detail)*

192.199 (192.731(a); 192.731(b); 192.731(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Compressor Station Design/Construction - Relief Capacity (detail) *Do pressure relieving/limiting stations located within the confines of a compressor station have sufficient capacity and are they set to limit the pressures to no more than allowed? (FS.CSSYSPROT.RELIEFCAPC.O) (detail)*

192.201(a) (192.201(b); 192.201(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Compressor Stations Emergency Shutdown Test (detail) *Does the process provide adequate detail for inspecting and testing compressor station emergency shutdown devices at the required frequency? (FS.CSSYSPROT.CMPESDTEST.P) (detail)*

192.605(b) (192.731(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Compressor Stations Emergency Shutdown Device Test Frequency (detail) *Do records document the inspection and testing of all compressor station emergency shutdown devices at the required frequency? (FS.CSSYSPROT.CMPESDTESTDEV.R) (detail)*

192.709(c) (192.731(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

22. Compressor Station Design/Construction - Permanent Gas Detection (detail) *Does the process adequately detail requirements of permanent gas detectors and alarms at compressor buildings? (FS.CSSYSPROT.CMPGASDETREQ.P) (detail)*

192.605(b) (192.736(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

23. Compressor Station Design/Construction - Gas Detection (detail) *Does the process give detail how gas detection and alarm systems in compressor stations will be maintained to function properly and do procedures require performance tests? (FS.CSSYSPROT.CMPGASDETOM.P) (detail)*

192.605(b) (192.736(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

24. Compressor Station Design/Construction - Gas Detection (confirm) *Do records document that all compressor station gas detection and alarm systems are being maintained and tested as required? (FS.CSSYSPROT.CMPGASDETOM.R) (confirm)*

192.709(c) (192.736(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

25. Compressor Station Gas Detection (confirm) *Have adequate gas detection and alarm systems been installed in selected applicable compressor buildings? (FS.CSSYSPROT.CMPGASDET.O) (confirm)*

192.736(a) (192.736(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Facilities and Storage - Compressor Stations

1. Compressor Station Design/Construction - Control of Property (detail) *Are onshore compressor buildings located on property under the control of the operator?* (FS.CS.BLDGLOC.O) (detail)

192.163(a) (192.163(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Compressor Station Design/Construction - Adjacent Property (detail) *Are onshore main compressor buildings far enough from adjacent property to minimize the possibility of fire being conveyed to the compressor buildings from adjacent property?* (FS.CS.BLDGADJ.O) (detail)

192.163(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Compressor Station Design/Construction - Fire Fighting Space (detail) *Do onshore main compressor buildings have enough open space around them to allow for free movement of fire-fighting equipment.* (FS.CS.BLDGSPACE.O) (detail)

192.163(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Compressor Station Design/Construction - Building Materials (detail) *Is each building on the compressor station site constructed of noncombustible materials if it contains either pipe that is more than 2 inches in diameter that contains gas under pressure or contains gas handling equipment other than gas utilization equipment used for station domestic purposes?* (FS.CS.BLDGCMBST.O) (detail)

192.163(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Compressor Station Design/Construction - Exits (detail) *Does each main compressor building operating floor have at least two separated, easily accessed and unobstructed exits to a place of safety, main compressor building exits that have door latches that can be readily opened without a key, and main compressor building exit doors mounted to swing outward? (FS.CS.BLDGEXITS.O) (detail)*

192.163(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Compressor Station Design/Construction - Fence Gates (confirm) *Do fenced areas around compressor stations have at least two gates that provide for easy escape to place of safety, and do gates located within 200 feet of any compressor plant open outward and able to be opened from the inside without a key when the station is occupied? (FS.CS.FENCEGATES.O) (confirm)*

192.163(d)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Compressor Station Design/Construction - NFPA 70 (detail) *Does the equipment and wiring within compressor stations conform to National Electric Code, ANSI/NFPA 70, including the required posting or ready access of the permit? (FS.CS.CMPNFPA70.O) (detail)*

192.163(e)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Compressor Station Design/Construction - Separator Liquid (detail) *Does each separator used to remove entrained liquids at compressor stations have: 1) manually operable means to remove liquids, and 2) have a means to handle slugs of liquid where there is a possibility that liquid slugs could be carried into compressors? (FS.CS.SPTRLIQ.O) (detail)*

192.165(b)(1) (192.165(b)(2))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Compressor Station Design/Construction - Separator Code (detail) *Do records indicate each separator used to remove entrained liquids at compressor stations is manufactured in accordance with applicable codes or requirements? (FS.CS.SPTRCODE.R) (detail)*

192.165(b)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Compressor Station Design/Construction - Separator Code (confirm) *Is each separator used to remove entrained liquids at compressor stations manufactured in accordance with applicable codes or requirements? (FS.CS.SPTRCODE.O) (confirm)*

192.165(b)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Compressor Station Design/Construction - Ventilation (detail) *Are compressor station buildings ventilated to ensure employees are not endangered by accumulation of gas in enclosed areas? (FS.CS.CMPBLDGVENT.O) (detail)*

192.173	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Compressor Station Design/Construction - Holder (detail) *Are bottle and pipe type holders designed and installed properly? (FS.CS.HOLDER.O) (detail)*

192.175(a) (192.175(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Compressor Station Design/Construction - Holder Location (detail) *Are bottle type and pipe type holders located and constructed properly? (FS.CS.HOLDERLOC.O) (detail)*

192.177(a) (192.177(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Compressor Station - Emergency Response Plan (confirm) *Are emergency response plans for* selected compressor stations kept on site? *(FS.CS.CMPERP.O) (confirm)*

192.605(a) (192.615(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Compressor Station Design/Construction - Start-Up and Shut-Down (detail) *Does the* process for start-up and shut-down have sufficient detail to ensure start-up and shut-down of compressor units in a manner designed to assure operation within the MAOP limits prescribed by this part, plus the build-up allowed for operation of pressure-limiting and control devices? *(FS.CS.CMPSUSD.P) (detail)*

192.605(b)(5) (192.605(b)(7))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Compressor Station Design/Construction - Maintenance (detail) *Does the process have* sufficient detail for maintaining compressor stations, including provisions for isolating units or sections of pipe and for purging before returning to service? *(FS.CS.CMPMAINT.P) (detail)*

192.605(b)(6)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Compressor Stations - Storage of Combustible Materials (detail) (presented above) *Does* the process include requirements for the storage of flammable/combustible materials and specify that aboveground oil or gasoline storage tanks being installed at compressor stations be protected in accordance with NFPA No. 30, as required of 192.735(b)? *(DC.COCMP.CMPCOMBUSTIBLE.P) (detail)*

192.303 (192.735(a); 192.735(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Compressor Stations - Storage of Combustible Materials (detail) (presented above) *As* applicable to the project, are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)? *(DC.COCMP.CMPCOMBUSTIBLE.R) (detail)*

192.735(a) (192.735(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Compressor Stations - Storage of Combustible Materials (detail) (presented above) *Are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by §192.735(b)? (DC.COCMP.CMPCOMBUSTIBLE.O) (detail)*

192.735(a) (192.735(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Facilities and Storage - Facilities General

1. Abandonment or Deactivation of Pipe and Facilities (detail) *Does the process include adequate requirements for the abandonment and deactivation of pipelines and facilities? (MO.GM.ABANDONPIPE.P) (detail)*

192.605(b)(1) (192.727(a); 192.727(b); 192.727(c); 192.727(d); 192.727(e); 192.727(f); 192.727(g))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Abandonment or Deactivation of Pipeline and Facilities (detail) *Do records indicate pipelines and facilities were abandoned or deactivated in accordance with requirements? (MO.GM.ABANDONPIPE.R) (detail)*

192.709(c) (192.727(a); 192.727(b); 192.727(c); 192.727(d); 192.727(e); 192.727(f); 192.727(g))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Abandonment or Deactivation of Pipe and Facilities (detail) *Were pipeline segments and facilities abandoned in accordance with requirements? (MO.GM.ABANDONPIPE.O) (detail)*

192.727(a) (192.727(b); 192.727(c); 192.727(d); 192.727(e); 192.727(f); 192.727(g))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Design Vault Structure (confirm) *Are vaults/pits adequately designed for loads, space, and pipe type?* (FS.FG.VAULTDESIGN.O) (confirm)

192.183(a) (192.183(b); 192.183(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Design Vault Location (confirm) *Vaults located as required?* (FS.FG.VAULTLOC.O) (confirm)

192.185(a) (192.185(b); 192.185(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Design Vault sealing (confirm) *Vaults/pits sealed, ventilated, or vented as required?* (FS.FG.VAULTSEAL.O) (confirm)

192.187(a) (192.187(b); 192.187(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Design Vault Drainage and Waterproofing (confirm) *Vaults designed to minimize water entrance and have proper electrical equipment?* (FS.FG.VAULTWATER.O) (confirm)

192.189(a) (192.189(b); 192.189(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Vault Inspection (detail) *Does the process provide adequate direction for inspecting vaults having a volumetric internal content of 200 cubic feet (5.66 cubic meters) or more that house pressure regulating/limiting equipment and are inspections to be performed at the required interval?* (FS.FG.VAULTINSPECTFAC.P) (detail)

192.605(b)(1) (192.749(a); 192.749(b); 192.749(c); 192.749(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Vault Inspection (confirm) *Do records document inspections at the required interval of all vaults having a volumetric internal content of 200 cubic feet (5.66 cubic meters) or more that house pressure regulating/limiting equipment?* (FS.FG.VAULTINSPECTFAC.R) (confirm)

192.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Vault Maintenance (confirm) (presented above) *Does the condition of selected vaults greater than 200 cubic feet housing pressure regulating/limiting equipment indicate these inspections have occurred?* (FS.FG.VAULTCOND.O) (confirm)

192.749(a) (192.749(b); 192.749(c); 192.749(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Facilities and Storage - Gas Storage

1. Storage Field Atmospheric Corrosion Monitoring (detail) *Does the process give adequate instruction for the inspection of aboveground pipeline segments located in storage fields for atmospheric corrosion?* (FS.GS.STORAGEATM.P) (detail)

192.605(b)(2) (192.481(a); 192.481(b); 192.481(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Storage field Atmospheric Corrosion Monitoring (confirm) *Do records document inspection of aboveground pipe located in storage fields for atmospheric corrosion?* (FS.GS.STORAGEATM.R) (confirm)

192.491(c) (192.481(a); 192.481(b); 192.481(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Storage Field External Corrosion Control and Monitoring (confirm) *Are external corrosion monitoring procedures established for the field piping and related storage field facilities?* (FS.GS.STORAGECP.P) (confirm)

192.605(b)(2) (192.463(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Storage Field External Corrosion Control and Monitoring (confirm) *Do records indicate that field piping and related storage field facilities are cathodically protected?* (FS.GS.STORAGECP.R) (confirm)

192.491(c) (192.455(a); 192.457(a); 192.465(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Storage Field External Corrosion Control and Monitoring (confirm) *Are the cathodic protection practices for field piping and related storage field facilities adequate?* (FS.GS.STORAGECP.O) (confirm)

192.463(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Storage Field Internal Corrosion Control and Monitoring (detail) *Are internal corrosion monitoring procedures established for the field piping and related storage field facilities?* (FS.GS.STORAGEIC.P) (detail)

192.605(b)(2) (192.475(a); 192.475(b); 192.475(c); 192.477)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Storage Field Internal Corrosion Control and Monitoring (detail) *Do records indicate that field piping and related storage field facilities are being protected from internal corrosion?* (FS.GS.STORAGEIC.R) (detail)

192.491(c) (192.475(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Storage Field Controlling Gas Velocity - Internal Corrosion and Erosion (detail) *Have target flow rates been determined for the field piping system?* (FS.GS.GASVELOCITY.R) (detail)

192.491(c) (192.475(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Storage Field Corrosion Inhibitor Use (detail) *Has a corrosion inhibitor program been established for the field piping and related storage field facilities?* (FS.GS.INHIBITOR.R) (detail)

192.491(c) (192.477)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Storage Field Maintenance Pigging (detail) *Is maintenance pigging used to sweep the lines of sediments and/or scale?* (FS.GS.MAINTENANCEPIG.R) (detail)

192.491(c) (192.477)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Storage Field Gas and Liquid Handling Facility Upsets (detail) *Number of upsets - past 3 years?* (FS.GS.FACILITYUPSET.R) (detail)

192.709(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Storage Field Failure and Rupture History (detail) *Have any failures or ruptures occurred over the past 5 years?* (FS.GS.FAILURERUPTURE.R) (detail)

192.709(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Storage Field O&M History (detail) *Have any storage field pipelines been repaired over the past 5 years? (FS.GS.OMHISTORY.R) (detail)*

192.709(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Storage Field Line Replacement (detail) *Have any storage field pipelines been replaced over the past 5 years? (FS.GS.LINEREPLACE.R) (detail)*

192.709(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Storage Field Leak Survey (confirm) *Are leak surveys in the storage field required to be conducted?* (FS.GS.LEAKSURVEY.P) (confirm)

192.605(e) (192.706)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Storage Field Leak Survey (confirm) *Do records document storage field leak surveys?* (FS.GS.LEAKSURVEY.R) (confirm)

192.709(c) (192.706)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Storage Field Safety Devices and Systems (confirm) *Have a system safety analysis and safety analysis function evaluation chart been performed for the field piping and related storage facilities? (FS.GS.OVERPRESSURE.R) (confirm)*

192.709(c) (192.739(a); 192.739(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Storage Field Valve Replacement (detail) *Have any valves been replaced over the past 5 years?*
(FS.GS.VALVEREPLACE.R) (detail)

192.709(b) (192.745(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Facilities and Storage - Valves

1. Valve Maintenance (detail) *Does the process require compressor station transmission line valves be inspected and partially operated at the correct interval?* (FS.VA.CMPVLVTEST.P) (detail)

192.605(b) (192.745(a); 192.745(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Valve Maintenance (confirm) *Do records adequately document that compressor transmission line valves have been inspected and partially operated at the correct interval?* (FS.VA.CMPVLVTEST.R) (confirm)

192.709(c) (192.745(a); 192.745(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Valve Maintenance (confirm) *Are compressor station transmission line valves maintained as required?*
(FS.VA.CMPVLVMAINT.O) (confirm)

192.745(a) (192.745(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Integrity Management - Baseline Assessments

1. IM Baseline Assessments - Methods (detail) *Does the process include requirements for specifying an assessment method(s) for each covered segment that is best suited for identifying anomalies associated with specific threats identified for the segment?* (IM.BA.BAMETHODS.P) (detail)

192.919(b) (192.921(a); 192.921(c); 192.921(h))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. IM Baseline Assessments - Methods (detail) *Do records demonstrate that the assessment method(s) specified for each covered segment is best suited for identifying anomalies associated with specific threats identified for the segment?* (IM.BA.BAMETHODS.R) (detail)

192.947(c) (192.919(b); 192.921(a); 192.921(c); 192.921(h))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. IM Baseline Assessments - Prioritized Schedule (detail) *Did the BAP process require a schedule for completing the assessment activities for all covered segments and consideration of applicable risk factors in the prioritization of the schedule?* (IM.BA.BASCHEDULE.P) (detail)

192.917(c) (192.919(c); 192.921(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. IM Baseline Assessments - Prioritized Schedule (confirm) *Do records demonstrate that the BAP contains a schedule for completing the assessment activities for all covered segments that appropriately considered the applicable risk factors in the prioritization of the schedule as required by the process?* (IM.BA.BASCHEDULE.R) (confirm)

192.947(c) (192.917(c); 192.919(c); 192.921(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. IM Baseline Assessments - New HCAs/Newly Installed Pipe (detail) *Does the process include requirements for updating the assessment plan for newly identified areas and newly installed pipe?* (IM.BA.BANEW.P) (detail)

192.911(p) (192.905(c); 192.921(f); 192.921(g))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. IM Baseline Assessments - New HCAs/Newly Installed Pipe (confirm) *Do records demonstrate that the assessment plan has been adequately updated for new HCAs and newly installed pipe? (IM.BA.BANEW.R) (confirm)*

192.947(d) (192.905(c); 192.911(p); 192.921(f); 192.921(g))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. IM Baseline Assessments - Environmental & Safety Risks (detail) *Does the process include requirements for conducting integrity assessments (baseline and reassessment) in a manner that minimizes environmental and safety risks? (IM.BA.BAENVIRON.P) (detail)*

192.911(o) (192.919(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. IM Baseline Assessments - Environmental & Safety Risks (detail) *Do records demonstrate that integrity assessments (baseline and reassessment) have been conducted in a manner that minimizes environmental and safety risks? (IM.BA.BAENVIRON.R) (detail)*

192.947(d) (192.911(o); 192.919(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. IM Baseline Assessments - Environmental & Safety Risks (detail) *From field observations, are integrity assessments conducted in a manner that minimizes environmental and safety risks? (IM.BA.BAENVIRON.O) (detail)*

192.911(o) (192.919(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Integrity Management - Continual Evaluation and Assessment

1. Periodic Evaluations (detail) *Does the process include requirements for a periodic evaluation of pipeline integrity based on data integration and risk assessment to identify the threats specific to each covered segment and the risk represented by these threats?* (IM.CA.PERIODICEVAL.P) (detail)

192.937(b) (192.917(a); 192.917(b); 192.917(c); 192.917(d); 192.917(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Periodic Evaluations (confirm) *Do records demonstrate that periodic evaluations of pipeline integrity have been performed based on data integration and risk assessment to identify the threats specific to each covered segment and the risk represented by these threats?* (IM.CA.PERIODICEVAL.R) (confirm)

192.947(d) (192.917(a); 192.917(b); 192.917(c); 192.917(d); 192.917(e); 192.937(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. IM Continual Assessments - Methods (detail) *Is the approach for establishing reassessment method(s) consistent with the requirements in 192.937(c)?* (IM.CA.REASSESSMETHOD.P) (detail)

192.937(c) (192.931)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. IM Continual Assessments - Methods (detail) *Do records document the assessment methods to be used and the rationale for selecting the appropriate assessment method?* (IM.CA.REASSESSMETHOD.R) (detail)

192.947(d) (192.937(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Low Stress Reassessments (detail) *Does the process include requirements for the "low stress reassessment" method to address threats of external and/or internal corrosion for pipelines operating below 30% SMYS?* (IM.CA.LOWSTRESSREASSESS.P) (detail)

192.941(a) (192.941(b); 192.941(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Low Stress Reassessments (detail) *Do records demonstrate that the implementation of "low stress reassessment" method to address threats of external and/or internal corrosion is adequate and being performed as required?* (IM.CA.LOWSTRESSREASSESS.R) (detail)

192.947(d) (192.941(a); 192.941(b); 192.941(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Reassessment Intervals (detail) *Is the process for establishing the reassessment intervals consistent with 192.939 and ASME B31.8S-2004?* (IM.CA.REASSESSINTERVAL.P) (detail)

192.937(a) (192.939(a); 192.939(b); 192.913(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Reassessment Intervals (detail) *Do records demonstrate that reassessment intervals were established consistent with the requirements of the operator's procedures?* (IM.CA.REASSESSINTERVAL.R) (detail)

192.947(d) (192.937(a); 192.939(a); 192.939(b); 192.913(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Waiver from Reassessment Interval in Limited Situations (detail) *Does the process include requirements for reassessment interval waivers?* (IM.CA.REASSESSWAIVER.P) (detail)

192.943(a) (192.943(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Waiver from Reassessment Interval in Limited Situations (detail) *Do records demonstrate that reassessment interval waivers have been adequately implemented, if applicable?* (IM.CA.REASSESSWAIVER.R) (detail)

192.947(d) (192.943(a); 192.943(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Deviation from Reassessment Requirements based on Exceptional Performance
(detail) *Does the process include requirements for deviations from reassessment requirements based on exceptional performance? (IM.CA.REASSESSEXCPERF.P) (detail)*

192.913(a) (192.913(b); 192.913(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Deviation from Reassessment Requirements based on Exceptional Performance
(detail) *Do records demonstrate that deviations from reassessment requirements are based on exceptional performance and have been adequately handled, if applicable? (IM.CA.REASSESSEXCPERF.R) (detail)*

192.947(d) (192.913(a); 192.913(b); 192.913(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Integrity Management - High Consequence Areas

1. IM High Consequence Areas - HCA Identification (detail) *Does the process include the methods defined in 192.903 High Consequence Area (1) and/or 192.903 High Consequence Area (2) to be applied to each pipeline for the identification of high consequence areas? (IM.HC.HCAID.P) (detail)*

192.905(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. IM High Consequence Areas - HCA Identification (detail) *Do records demonstrate that the identification of pipeline segments in high consequence areas was completed by December 17, 2004 in accordance with process requirements? (IM.HC.HCAID.R) (detail)*

192.947(d) (192.905(a); 192.907(a); 192.911(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. IM High Consequence Areas - Potential Impact Radius (detail) *Is the process for defining and applying potential impact radius (PIR) for establishment of high consequence areas consistent with the requirements of 192.903?* (IM.HC.HCAPIR.P) (detail)

192.903 (192.905(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. IM High Consequence Areas - Potential Impact Radius (detail) *Do records demonstrate the use of potential impact radius (PIR) for establishment of high consequence areas consistent with requirements of 192.903?* (IM.HC.HCAPIR.R) (detail)

192.947(d) (192.903; 192.905(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. IM High Consequence Areas - Identified Sites (detail) *Does the process for identification of identified sites include the sources listed in 192.905(b) for those buildings or outside areas meeting the criteria specified by 192.903 and require the source(s) of information selected to be documented?* (IM.HC.HCASITES.P) (detail)

192.903 (192.905(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. IM High Consequence Areas - Identified Sites (confirm) *Do records indicate identification of identified sites being performed as required?* (IM.HC.HCASITES.R) (confirm)

192.947(d) (192.903; 192.905(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. IM High Consequence Areas - Identification Method 1 (Class Locations) (detail) *Is the integrity management process adequate for application of 192.903 High Consequence Area definition (1) for identification of HCAs?* (IM.HC.HCAMETHOD1.P) (detail)

192.903(1)(i) (192.903(1)(ii); 192.903(1)(iii); 192.903(1)(iv))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

192.947(d) (192.903 (1)(i); 192.903(1)(ii); 192.903(1)(iii); 192.903(1)(iv))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. IM High Consequence Areas - Identification Method 2 (Potential Impact Radius) (detail) *Is the integrity management process adequate for application of 192.903 High Consequence Area definition (2) for identification of HCAs? (IM.HC.HCAMETHOD2.P) (detail)*

192.903(2)(i) (192.903(2)(ii))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

192.947(d) (192.905(a); 192.903(2)(ii))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. IM High Consequence Areas - Newly Identified HCAs (detail) *Does the process include a requirement for evaluation of newly identified areas that may show that a pipeline segment impacts a high consequence area? (IM.HC.HCANEW.P) (detail)*

192.905(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. IM High Consequence Areas - Newly Identified HCAs (confirm) *Do records demonstrate that evaluations of newly identified areas that may show that a pipeline segment impacts a high consequence area are being performed as required? (IM.HC.HCANEW.R) (confirm)*

192.947(d) (192.905(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	Concern	Unsat	NA	NC

Notes

Integrity Management - Preventive and Mitigative Measures

1. P&M Measures - General Requirements (detail) *Does the process include requirements to identify additional measures to prevent a pipeline failure and to mitigate the consequences of a pipeline failure in a high consequence area?*
(IM.PM.PMMGENERAL.P) (detail)

192.935(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. P&M Measures - General Requirements (confirm) *Do records demonstrate that additional measures have been identified and implemented (or scheduled) beyond those already required by Part 192 to prevent a pipeline failure and to mitigate the consequences of a pipeline failure in an HCA?* (IM.PM.PMMGENERAL.R) (confirm)

192.947(d) (192.935(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. P&M Measures - Third Party Damage (detail) *Does the preventive and mitigative measure process include requirements that threats due to third party damage be addressed?* (IM.PM.PMMTPD.P) (detail)

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

Notes

4. P&M Measures - Third Party Damage (confirm) *Do records demonstrate that preventive & mitigative measures have been implemented regarding threats due to third party damage as required by the process?* (IM.PM.PMMTPD.R) (confirm)

192.947(d) (192.917(e)(1); 192.935(b)(1); 192.935(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. P&M Measures - Qualifications of Supervisory Personnel (detail) *Does the process require that persons who implement preventive and mitigative measures or directly supervise excavation work be qualified?* (IM.PM.PMMREVQUAL.P) (detail)

192.915(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. P&M Measures - Qualifications of Supervisory Personnel (detail) *Do records demonstrate that personnel who implement preventive and mitigative measures or directly supervise excavation work are qualified?* (IM.PM.PMMREVQUAL.R) (detail)

192.947(e) (192.915(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. P&M Measures - Third Party Damage (Special Cases) (detail) *Does the process include requirements for preventive and mitigative requirements for pipelines operating below 30% SMYS?* (IM.PM.PMMTPDSMYS.P) (detail)

192.935(d) (192.935(e); 192 Table E.II.1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. P&M Measures - Third Party Damage (Special Cases) (detail) *Do records demonstrate that preventive and mitigative requirements for pipelines operating below 30% SMYS are being performed as required?* (IM.PM.PMMTPDSMYS.R) (detail)

192.947(d) (192.935(d); 192.935(e); 192 Table E.II.1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. P&M Measures - Outside Force Damage (detail) *Does the process adequately address significant threats due to outside force (e.g., earth movement, floods, unstable suspension bridge)?* (IM.PM.PMMOF.P) (detail)

192.935(b)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. P&M Measures - Outside Force Damage (detail) *Do records demonstrate that significant threats due to outside force (e.g., earth movement, floods, unstable suspension bridge) are being adequately addressed?* (IM.PM.PMMOF.R) (detail)

192.947(d) (192.935(b)(2))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. P&M Measures - Corrosion (detail) *Does the process adequately account for taking required actions to address significant corrosion threats?* (IM.PM.PMMCORR.P) (detail)

192.917(e)(5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. P&M Measures - Corrosion (detail) *Do records demonstrate that required actions are being taken to address significant corrosion threats as required?* (IM.PM.PMMCORR.R) (detail)

192.947(b) (192.917(e)(5))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. P&M Measures - Automatic Shut-Off Valves or Remote Control Valves (detail) *Does the process include requirements to decide 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.P) (detail)

192.935(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. P&M Measures - Automatic Shut-Off Valves or Remote Control Valves (detail) *Do records demonstrate that the operator has determined, based on risk, whether automatic shut-off valves or remote control valves should be added to protect high consequence areas? (IM.PM.PMMASORCV.R) (detail)*

192.947(d) (192.935(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. P&M Measures - Implementation (detail) *Have identified measures 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	NC

Notes

Integrity Management - Quality Assurance

1. Quality Assurance (detail) *Are quality assurance processes in place for risk management applications that meet the requirements of ASME B31.8S-2004, Section 12? (IM.QA.QARM.P) (detail)*

192.911(l)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Quality Assurance (detail) *Do records demonstrate that the quality assurance process for risk management applications is being completed as required by ASME B31.8S, Section 12? (IM.QA.QARM.R) (detail)*

192.947(d) (192.911(l))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Personnel Qualification and Training Requirements (detail) *Does the process include requirements to assure personnel involved in the integrity management program are qualified for their assigned responsibilities?* (IM.QA.IMPERSONNEL.P) (detail)

192.915(a) (192.915(b); 192.915(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Personnel Qualification and Training Requirements (detail) *Do records demonstrate that personnel involved in the integrity management program are qualified for their assigned responsibilities?* (IM.QA.IMPERSONNEL.R) (detail)

192.947(e) (192.915(a); 192.915(b); 192.915(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Invoking Non-Mandatory Statements in Standards (confirm) *Does the process include requirements that non-mandatory requirements (e.g., "should" statements) from industry standards or other documents invoked by Subpart O (e.g., ASME B31.8S-2004 and NACE SP0502-2008) be addressed by an appropriate approach?* (IM.QA.IMNONMANDT.P) (confirm)

192.7(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Management of Change (detail) *Is the process for management of changes that may impact pipeline integrity adequate?* (IM.QA.IMMOC.P) (detail)

192.911(k) (192.909(a); 192.909(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Management of Change (confirm) *Do records demonstrate that changes that may impact pipeline integrity are being managed as required?* (IM.QA.IMMOC.R) (confirm)

192.947(d) (192.909(a); 192.909(b); 192.911(k))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Measuring Program Effectiveness (detail) *Does the process for measuring IM program effectiveness include the elements necessary to conduct a meaningful evaluation?* (IM.QA.IMPERFEFECTIVE.P) (detail)

192.945(a) (192.913(b); 192.951)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Performance Metrics (detail) *Does the process to evaluate IM program effectiveness include an adequate set of performance metrics to provide meaningful insight into IM program performance?* (IM.QA.IMPERFMETRIC.P) (detail)

192.945(a) (192.913(b); 192.951)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Measuring Program Effectiveness (detail) *Do records demonstrate that the methods to measure Integrity Management Program effectiveness provide effective evaluation of program performance and result in program improvements where necessary?* (IM.QA.IMPERFEFECTIVE.R) (detail)

192.947(d) (192.913(b); 192.945(a); 192.951)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

192.947(d) (192.913(b); 192.945(a); 192.951)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Record Keeping (detail) *Is the process adequate to assure that required records are maintained for the useful life of the pipeline?* (IM.QA.RECORDS.P) (detail)

192.947(a) (192.947(b); 192.947(c); 192.947(d); 192.947(e); 192.947(f); 192.947(g); 192.947(h); 192.947(i); 192.911(n))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Record Keeping (detail) *Are required records being maintained for the useful life of the pipeline?*
(IM.QA.RECORDS.R) (detail)

192.947(a) (192.947(b); 192.947(c); 192.947(d); 192.947(e); 192.947(f); 192.947(g); 192.947(h); 192.947(i))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Integrity Management - Risk Analysis

1. Threat Identification (detail) *Does the process include requirements to identify and evaluate all potential threats to each covered pipeline segment?* (IM.RA.THREATID.P) (detail)

192.917(a) (192.917(e); 192.913(b)(1))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Threat Identification (confirm) *Do records demonstrate that all potential threats to each covered pipeline segment have been identified and evaluated?* (IM.RA.THREATID.R) (confirm)

192.947(b) (192.917(a); 192.917(e); 192.913(b)(1))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Data Gathering (detail) *Does the process include requirements to gather and integrate existing data and information on the entire pipeline that could be relevant to covered segments?* (IM.RA.RADATA.P) (detail)

192.917(b) (192.917(e)(1); 192.911(k))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Data Gathering (detail) *Do records demonstrate that existing data and information on the entire pipeline that could be relevant to covered segments being adequately gathered and integrated? (IM.RA.RADATA.R) (detail)*

192.947(b) (192.917(b); 192.917(e)(1); 192.911(k))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Risk Analysis - Methodology (detail) *Does the process include requirements for a risk assessment that follows ASME B31.8S-2004, Section 5, and that considers the identified threats for each covered segment? (IM.RA.RAMETHOD.P) (detail)*

192.917(c) (192.917(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Risk Analysis - Methodology (detail) *Do records demonstrate that the risk assessment follows ASME B31.8S-2004, Section 5, and considers the identified threats for each covered segment? (IM.RA.RAMETHOD.R) (detail)*

192.947(b) (192.917(c); 192.917(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Risk Analysis - Determination of Risk (detail) *Does the process include requirements that factors that could affect the likelihood of a release, and factors that could affect the consequences of potential releases, be accounted for and combined in an appropriate manner to produce a risk value for each pipeline segment? (IM.RA.RAFACTORS.P) (detail)*

192.917(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Risk Analysis - Determination of Risk (detail) *Do records demonstrate that risk analysis data is combined in an appropriate manner to produce a risk value for each pipeline segment? (IM.RA.RAFACTORS.R) (detail)*

192.947(b) (192.917(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Risk Analysis - Validation and Updates (detail) *Does the process provide for revisions to the risk assessment if new information is obtained or conditions change on the pipeline segments?* (IM.RA.RAMOC.P) (detail)

192.917(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Risk Analysis - Validation and Updates (confirm) *Was the risk assessment revised as necessary as new information is obtained or conditions change on the pipeline segments?* (IM.RA.RAMOC.R) (confirm)

192.947(b) (192.917(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Risk Analysis - Validation and Updates (detail) *Are conditions on the pipeline segments accurately reflected in the appropriate risk assessment data and information?* (IM.RA.RAMOC.O) (detail)

192.917(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Alternative MAOP

1. Alternate MAOP Calculation (detail) *Does the AMAOP process include appropriate factors and considerations for calculating the alternative MAOP?* (MO.AMAOP.CALC.P) (detail)

192.605(a) (192.620(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Alternate MAOP Calculation (confirm) *Do records indicate appropriate calculation of the alternative MAOP?* (MO.AMAOP.CALC.R) (confirm)

192.605(a) (192.620(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Alternate MAOP Conditions (detail) *Does the AMAOP process include conditions on the application of* alternative MAOP? (MO.AMAOP.CONDITIONS.P) (detail)

192.605(a) (192.620(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Alternate MAOP Conditions (confirm) *Do records indicate the AMAOP process satisfied the conditions on* application of an alternative MAOP? (MO.AMAOP.CONDITIONS.R) (confirm)

192.605(a) (192.620(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Alternate MAOP Requirements (detail) *Does the AMAOP process include AMAOP requirements?* (MO.AMAOP.REQUIREMENTS.P) (detail)

192.605(a) (192.620(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Alternate MAOP Conditions (confirm) *Do records indicate the AMAOP requirements were met?* (MO.AMAOP.REQUIREMENTS.R) (confirm)

192.605(a) (192.620(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Alternate MAOP Additional O&M (detail) *Does the AMAOP process include additional O&M* requirements? (MO.AMAOP.ADDITIONALOM.P) (detail)

192.605(a) (192.620(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Alternate MAOP Additional O&M (confirm) *Do records indicate the additional AMAOP O&M requirements were met?* (MO.AMAOP.ADDITIONALOM.R) (confirm)

192.605(a) (192.620(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Alternate MAOP Overpressure Protection (detail) *Does the AMAOP process include overpressure protection requirements?* (MO.AMAOP.OVERPRESS.P) (detail)

192.605(a) (192.620(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Alternate MAOP Overpressure Protection (confirm) *Do records indicate that overpressure protection requirements were met?* (MO.AMAOP.OVERPRESS.R) (confirm)

192.605(a) (192.620(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Conversion to Service

1. Conversion to Service (detail) *If any pipelines were converted into Part 192 service, was a process developed addressing all the applicable requirements?* (MO.GC.CONVERSION.P) (detail)

192.14(a) (192.14(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Conversion to Service (detail) *Do records indicate the process was followed for converting any pipelines into Part 192 service?* (MO.GC.CONVERSION.R) (detail)

192.14(a) (192.14(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Gas Pipeline Abnormal Operations

1. Abnormal Operations (confirm) *Does the process include procedures for responding to, investigating, and correcting the cause of the listed abnormal operating conditions?* (MO.GOABNORMAL.ABNORMAL.P) (confirm)

192.605(a) (192.605(c)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Abnormal Operations (confirm) *Did personnel respond to indications of abnormal operations as required by procedures?* (MO.GOABNORMAL.ABNORMAL.R) (confirm)

192.605(a) (192.605(c)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Abnormal Operations (detail) *Does the process include procedures for checking variations from normal operation after abnormal operation has ended at sufficient critical locations in the system to determine continued integrity and safe operation?* (MO.GOABNORMAL.ABNORMALCHECK.P) (detail)

192.605(a) (192.605(c)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Abnormal Operations (Notify) (detail) *Does the process include procedures for notifying responsible operator personnel when notice of an abnormal operation is received?* (MO.GOABNORMAL.ABNORMALNOTIFY.P) (detail)

192.605(a) (192.605(c)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Abnormal Operations Review (confirm) *Does the process include procedures for periodically reviewing the response of operator personnel to determine the effectiveness of the procedures controlling abnormal operation and taking corrective action where deficiencies are found?* (MO.GOABNORMAL.ABNORMALREVIEW.P) (confirm)

192.605(a) (192.605(c)(4))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Abnormal Operations Review (confirm) *Do records indicate periodic review of work done by operator personnel to determine the effectiveness of the abnormal operation procedures and corrective action taken where deficiencies are found?* (MO.GOABNORMAL.ABNORMALREVIEW.R) (confirm)

192.605(a) (192.605(c)(4))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Gas Pipeline Class Location

1. Change in Class Location Confirmation or Revision of MAOP (detail) *Does the process include a requirement that the MAOP of a pipeline segment be confirmed or revised within 24 months whenever the hoop stress corresponding to the established MAOP is determined not to be commensurate with the existing class location?* (MO.GOCLASS.CLASSLOCATEREV.P) (detail)

192.605(b)(1) (192.611(a); 192.611(b); 192.611(c); 192.611(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Change in Class Location Confirmation or Revision of MAOP (confirm) *Was the MAOP in a pipeline segment confirmed or revised within 24 months as required?* (MO.GOCLASS.CLASSLOCATEREV.R) (confirm)

192.605(b)(1) (192.611(a); 192.611(b); 192.611(c); 192.611(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Change in Class Location Confirmation or Revision of MAOP (detail) *Are current ROW conditions and class locations consistent?* (MO.GOCLASS.CLASSLOCATEREV.O) (detail)

192.611(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Change in Class Location Required Study (detail) *Does the process include a requirement that the operator conduct a study whenever an increase in population density indicates a change in the class location of a pipeline segment operating at a hoop stress that is more than 40% SMYS?* (MO.GOCLASS.CLASSLOCATESTUDY.P) (detail)

192.605(b)(1) (192.609(a); 192.609(b); 192.609(c); 192.609(d); 192.609(e); 192.609(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Change in Class Location Required Study (confirm) *Do records indicate performance of the required study whenever the population along a pipeline increased or there was an indication that the pipe hoop stress was not commensurate with the present class location?* (MO.GOCLASS.CLASSLOCATESTUDY.R) (confirm)

192.605(b)(1) (192.609(a); 192.609(b); 192.609(c); 192.609(d); 192.609(e); 192.609(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Continuing Surveillance (detail) *Does the process include procedures for performing continuing surveillance of pipeline facilities, and also for reconditioning, phasing out, or reducing the MAOP in a pipeline segment that is determined to be in unsatisfactory condition but on which no immediate hazard exists?* (MO.GOCLASS.CONTSURVEILLANCE.P) (detail)

192.605(e) (192.613(a); 192.613(b); 192.703(b); 192.703(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Continuing Surveillance (confirm) *Do records indicate performance of continuing surveillance of facilities as required, and also the reconditioning, phasing out, or MAOP reduction in any pipeline segment that was determined to be in unsatisfactory condition but on which no immediate hazard existed?* (MO.GOCLASS.CONTSURVEILLANCE.R) (confirm)

192.709(c) (192.613(a); 192.613(b); 192.703(b); 192.703(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Continuing Surveillance (detail) *Are unsatisfactory conditions being captured and addressed by continuing surveillance of facilities and the pipeline as required by 192.613?* (MO.GOCLASS.CONTSURVEILLANCE.O) (detail)

192.613(a) (192.613(b); 192.703(a); 192.703(b); 192.703(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Gas Pipeline MAOP

1. Maximum Allowable Operating Pressure Determination (detail) *Does the process include procedures for determining the maximum allowable operating pressure for a pipeline segment in accordance with §192.619?* (MO.GOMAOP.MAOPDETERMINE.P) (detail)

192.605(b)(1) (192.619(a); 192.619(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Maximum Allowable Operating pressure (detail) *Do records indicate determination of the MAOP of pipeline segments in accordance with §192.619 and limiting of the operating pressure as required?* (MO.GOMAOP.MAOPDETERMINE.R) (detail)

192.709(c) (192.619(a); 192.619(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Normal Operations and Maintenance Procedures (detail) *Does the process include procedures for starting up and shutting down any part of the pipeline in a manner to assure operation with the MAOP limits, plus the build-up allowed for operation of pressure-limiting and control devices?* (MO.GOMAOP.MAOPLIMIT.P) (detail)

192.605(a) (192.605(b)(5))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Normal Operations and Maintenance Procedures (detail) *Do records indicate operation within MAOP limits, plus the build-up allowed for operation of pressure-limiting and control devices, was assured while starting up and shutting down any part of the pipeline?* (MO.GOMAOP.MAOPLIMIT.R) (detail)

192.603(b) (192.605(b)(5))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Gas Pipeline Maintenance

1. Abandonment or Deactivation of Pipe and Facilities (detail) (presented above) *Does the process include adequate requirements for the abandonment and deactivation of pipelines and facilities?* (MO.GM.ABANDONPIPE.P) (detail)

192.605(b)(1) (192.727(a); 192.727(b); 192.727(c); 192.727(d); 192.727(e); 192.727(f); 192.727(g))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Abandonment or Deactivation of Pipeline and Facilities (detail) (presented above) *Do records indicate pipelines and facilities were abandoned or deactivated in accordance with requirements?* (MO.GM.ABANDONPIPE.R) (detail)

192.709(c) (192.727(a); 192.727(b); 192.727(c); 192.727(d); 192.727(e); 192.727(f); 192.727(g))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Abandonment or Deactivation of Pipe and Facilities (detail) (presented above) *Were pipeline segments and facilities abandoned in accordance with requirements?* (MO.GM.ABANDONPIPE.O) (detail)

192.727(a) (192.727(b); 192.727(c); 192.727(d); 192.727(e); 192.727(f); 192.727(g))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Dynamic Riser Inspection, Maintenance, and Monitoring Records on Offshore Floating Facilities (detail) *Do records for Dynamic Riser Inspection, Maintenance, and Monitoring on Offshore Floating Facilities document the safe and reliable operation of these systems? (MO.GM.DYNAMICRISER.R) (detail)*

192.709(c) (192 Subpart L; 192 Subpart M)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Prevention of Accidental Ignition (detail) *Does the manual include procedures for minimizing the danger of accidental ignition where gas constitutes a hazard of fire or explosion? (MO.GM.IGNITION.P) (detail)*

192.605(b)(1) (192.751(a); 192.751(b); 192.751(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Prevention of Accidental Ignition (detail) *Do records indicate personnel followed procedures for minimizing the danger of accidental ignition where the presence of gas constituted a hazard of fire or explosion? (MO.GM.IGNITION.R) (detail)*

192.709 (192.751(a); 192.751(b); 192.751(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Prevention of Accidental Ignition (detail) *Are field activities adequate on a gas transmission line where there exists the potential for accidental ignition? (MO.GM.IGNITION.O) (detail)*

192.751(a) (192.751(b); 192.751(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Transmission Lines Record Keeping (detail) *Does the process include a requirement that the operator maintain a record of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test? (MO.GM.RECORDS.P) (detail)*

192.605(b)(1) (192.709(a); 192.709(b); 192.709(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Transmission Lines Record Keeping (detail) *Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?* (MO.GM.RECORDS.R) (detail)

192.605(b)(1) (192.243(f); 192.709(a); 192.709(b); 192.709(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Valve Maintenance Transmission Lines (detail) *Does the process include procedures for inspecting and partially operating each transmission line valve that might be required in an emergency at intervals not exceeding 15 months, but at least once each calendar year and for taking prompt remedial action to correct any valve found inoperable?* (MO.GM.VALVEINSPECT.P) (detail)

192.605(b)(1) (192.745(a); 192.745(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Valve Maintenance Transmission Lines (confirm) *Do records indicate proper inspection and partial operation of transmission line valves that may be required during an emergency as required and prompt remedial actions taken if necessary?* (MO.GM.VALVEINSPECT.R) (confirm)

192.709(c) (192.745(a); 192.745(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Valve Maintenance Transmission Lines (detail) (presented above) *Are field inspection and partial operation of transmission line valves adequate?* (MO.GM.VALVEINSPECT.O) (detail)

192.745(a) (192.745(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Vault Maintenance (detail) *Does the process include inspecting each vault that houses pressure regulating or limiting equipment that is 200 cubic feet or more in volume at intervals not exceeding 15 months, but at least once each calendar year, to determine that it is in good physical condition and adequately ventilated and that remedial actions are taken if needed?* (MO.GM.VAULTINSPECT.P) (detail)

192.605(b1) (192.749(a); 192.749(b); 192.749(c); 192.749(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Vault Maintenance (detail) *Do records indicate proper inspection of each vault to determine whether it is in good physical condition and adequately ventilated as required and any necessary action taken to remediate deficiencies?* (MO.GM.VAULTINSPECT.R) (detail)

192.605(b)(1) (192.749(a); 192.749(b); 192.749(c); 192.749(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Vault Maintenance (detail) *Are vault inspections adequate?* (MO.GM.VAULTINSPECT.O) (detail)

192.749(a) (192.749(b); 192.749(c); 192.749(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Holders (detail) *Does the process include systematic and routine testing and inspection of pipe-type or bottle-type holders?* (MO.GM.HOLDER.P) (detail)

192.605(a) (192.605(b)(10))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Holders (detail) *Do records indicate systematic and routine testing and inspection of pipe-type or bottle-type holders?* (MO.GM.HOLDER.R) (detail)

192.603(b) (192.605(b)(10))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Gas Pipeline Odorization

1. Odorization of Gas (detail) *Does the process ensure appropriate odorant levels are contained in its combustible gases in accordance with 192.625?* (MO.GOODOR.ODORIZE.P) (detail)

192.605(b)(1) (192.625(a); 192.625(b); 192.625(c); 192.625(d); 192.625(e); 192.625(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Odorization of Gas (detail) *Do records indicate appropriate odorization of its combustible gases in accordance with its procedures and conduct of the required testing to verify odorant levels met requirements?* (MO.GOODOR.ODORIZE.R) (detail)

192.709(c) (192.625(a); 192.625(b); 192.625(c); 192.625(d); 192.625(e); 192.625(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Odorization of Gas (detail) *Is sampling of combustible gases adequate using an instrument capable of determining the percentage of gas in air at which it becomes readily detectable?* (MO.GOODOR.ODORIZE.O) (detail)

192.625(f)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Gas Pipeline Operations

1. Continuing Surveillance (detail) *Does the process include procedures for performing continuing surveillance of pipeline facilities, and also for reconditioning, phasing out, or reducing the MAOP in a pipeline segment that is determined to be in unsatisfactory condition but on which no immediate hazard exists?* (MO.GO.CONTSURVEILLANCE.P) (detail)

192.605(e) (192.613(a); 192.613(b); 192.703(b); 192.703(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Continuing Surveillance (confirm) *Do records indicate performance of continuing surveillance of facilities as required, and also the reconditioning, phasing out, or MAOP reduction in any pipeline segment that was determined to be in unsatisfactory condition but on which no immediate hazard existed?* (MO.GO.CONTSURVEILLANCE.R) (confirm)

192.709(c) (192.613(a); 192.613(b); 192.703(b); 192.703(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Continuing Surveillance (detail) *Are unsatisfactory conditions being captured and addressed by continuing surveillance of facilities and the pipeline as required by 192.613?* (MO.GO.CONTSURVEILLANCE.O) (detail)

192.613(a) (192.613(b); 192.703(a); 192.703(b); 192.703(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Pipeline Purging (detail) *Does the process include requirements for purging of pipelines in accordance with 192.629?* (MO.GO.PURGE.P) (detail)

192.605(b)(1) (192.629(a); 192.629(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Normal Maintenance and Operations (detail) *Does the process include a requirement to review the manual at intervals not exceeding 15 months, but at least once each calendar year?* (MO.GO.OMANNUALREVIEW.P) (detail)

192.605(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Normal Maintenance and Operations (confirm) *Has the operator conducted annual reviews of the written procedures in the manual as required?* (MO.GO.OMANNUALREVIEW.R) (confirm)

192.605(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Normal Operations and Maintenance Procedures - Review (confirm) *Does the process include requirements for periodically reviewing the work done by operator personnel to determine the effectiveness, and adequacy of the procedures used in normal operations and maintenance and modifying the procedures when deficiencies are found?* (MO.GO.OMEFFECTREVIEW.P) (confirm)

192.605(a) (192.605(b)(8))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Normal Operations and Maintenance Procedures - Review (confirm) *Do records indicate periodic review of the work done by operator personnel to determine the effectiveness, and adequacy of the procedures used in normal operations and maintenance and modifying the procedures when deficiencies are found?* (MO.GO.OMEFFECTREVIEW.R) (confirm)

192.605(a) (192.605(b)(8))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Normal Operations and Maintenance Procedures - History (detail) *Does the process include requirements for making construction records, maps and operating history available to appropriate operating personnel?* (MO.GO.OMHISTORY.P) (detail)

192.605(a) (192.605(b)(3))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Normal Operations and Maintenance Procedures - History (detail) *Are construction records, maps and operating history available to appropriate operating personnel?* (MO.GO.OMHISTORY.R) (detail)

192.605(a) (192.605(b)(3))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Normal Operations and Maintenance Procedures - History (detail) *Are construction records, maps and operating history available to appropriate operating personnel?* (MO.GO.OMHISTORY.O) (detail)

192.605(b)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Normal Maintenance and Operations - Manual Location (confirm) (presented above) *Are appropriate parts of the manual kept at locations where operations and maintenance activities are conducted?* (MO.GO.OMLOCATION.O) (confirm)

192.605(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Safety Related Conditions (detail) *Does the process include instructions enabling personnel who perform operation and maintenance activities to recognize conditions that may potentially be safety-related conditions?* (MO.GO.SRC.P) (detail)

192.605(a) (192.605(d); 191.23(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Customer Notification (detail) *Is a customer notification process in place that satisfies the requirements of 192.16?* (MO.GO.CUSTNOTIFY.P) (detail)

192.13(c) (192.16(a); 192.16(b); 192.16(c); 192.16(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Customer Notification (detail) *Do records indicate the customer notification process satisfies the requirements of 192.16?* (MO.GO.CUSTNOTIFY.R) (detail)

192.16(d) (192.16(a); 192.16(b); 192.16(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Gas Odor Response (detail) *Does the process require prompt response to the report of a gas odor inside or near a building?* (MO.GO.ODDOR.P) (detail)

192.605(a) (192.605(b)(11))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Uprating (detail) *Is the pressure uprating process consistent with the requirements of 192.553?* (MO.GO.UPRATE.P) (detail)

192.13(c) (192.553(a); 192.553(b); 192.553(c); 192.553(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Uprating (detail) *Do records indicate the pressure uprating process was implemented per the requirements of 192.553?* (MO.GO.UPRATE.R) (detail)

192.553(b) (192.553(a); 192.553(c); 192.553(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Outer Continental Shelf (detail) *Do records indicate specific point(s) at which operating responsibility transfers to a producing operator, as applicable?* (MO.GO.OCS.R) (detail)

192.10	Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Outer Continental Shelf (detail) *Are specific point(s) at which operating responsibility transfers to a producing operator identified, as applicable?* (MO.GO.OCS.O) (detail)

192.10	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Gas Pipeline Overpressure Protection

1. Pressure Limiting and Regulating Stations Capacity of Relief Devices (detail) *Does the process include procedures for ensuring, either by testing or a review of calculations, at intervals not exceeding 15 months, but at least once each calendar year, that the capacity of each pressure relief device at pressure limiting stations and pressure regulating stations has sufficient capacity, and for installing a new or additional device if a relief device is determined to have insufficient capacity?* (MO.GMOPP.PRESSREGCAP.P) (detail)

192.605(b)(1) (192.743(a); 192.743(b); 192.743(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Pressure Limiting and Regulating Stations Capacity of Relief Devices (confirm) *Do records indicate testing or review of the capacity of each pressure relief device at each pressure limiting station and pressure regulating station as required and a new or additional device installed if determined to have insufficient capacity?* (MO.GMOPP.PRESSREGCAP.R) (confirm)

192.709(c) (192.743(a); 192.743(b); 192.743(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Pressure Limiting and Regulating Stations Inspection and Testing (detail) *Does the process include procedures for inspecting and testing each pressure limiting station, relief device, and pressure regulating station and their equipment at intervals not exceeding 15 months, but at least once each calendar year as required?* (MO.GMOPP.PRESSREGTEST.P) (detail)

192.605(b)(1) (192.739(a); 192.739(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Pressure Limiting and Regulating Stations Inspection and Testing (confirm) *Do records indicate inspection and testing of pressure limiting, relief devices, and pressure regulating stations as required and at the specified intervals?* (MO.GMOPP.PRESSREGTEST.R) (confirm)

192.709(c) (192.739(a); 192.739(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Pressure Limiting and Regulating Stations Inspection and Testing (detail) *Are field or bench tests or inspections of regulating stations, pressure limiting stations or relief devices adequate?* (MO.GMOPP.PRESSREGTEST.O) (detail)

192.739(a) (192.739(b); 192.743)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Transmission Lines Record Keeping (detail) *Does the process include a requirement that the operator maintain a record of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?* (MO.GMOPP.RECORDS.P) (detail)

192.605(b)(1) (192.709(a); 192.709(b); 192.709(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Transmission Lines Record Keeping (detail) *Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?* (MO.GMOPP.RECORDS.R) (detail)

192.605(b)(1) (192.243(f); 192.709(a); 192.709(b); 192.709(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - ROW Markers, Patrols, Leakage Survey and Monitoring

1. Patrolling Requirements (detail) *Does the process adequately cover the requirements for patrolling the ROW and conditions reported?* (MO.RW.PATROL.P) (detail)

192.705(a) (192.705(b); 192.705(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Patrolling Requirements (detail) *Do records indicate that ROW surface conditions have been patrolled as required? (MO.RW.PATROL.R) (detail)*

192.709(c) (192.705(a); 192.705(b); 192.705(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. ROW Markers Requirements (detail) *Does the process adequately cover the requirements for placement of ROW markers? (MO.RW.ROWMARKER.P) (detail)*

192.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Placement of ROW Markers (confirm) (presented above) *Are line markers placed and maintained as required? (MO.RW.ROWMARKER.O) (confirm)*

192.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. ROW Conditions (confirm) (presented above) *Are the ROW conditions acceptable for the type of patrolling used? (MO.RW.ROWCONDITION.O) (confirm)*

192.705(a) (192.705(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Leakage Surveys (detail) *Does the process require leakage surveys to be conducted? (MO.RW.LEAKAGE.P) (detail)*

192.706 (192.706(a); 192.706(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Leakage Surveys (detail) *Do records indicate leakage surveys conducted as required?* (MO.RW.LEAKAGE.R)
(detail)

192.709(c) (192.706; 192.706(a); 192.706(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Leakage Surveys (detail) *Are leakage surveys being implemented as required?* (MO.RW.LEAKAGE.O) (detail)

192.706 (192.706(a); 192.706(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Requirement to Identify GOM Pipeline Hazards (detail) *Does the process require identification of pipelines in the Gulf of Mexico at risk of being exposed underwater or hazards to navigation?* (MO.RW.GOMHAZARD.P) (detail)

192.612(a) (192.612(c)(2); 192.612(c)(3))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Requirement to Identify GOM Pipeline Hazards (detail) *Do records indicate steps taken to identify and inspect pipelines in the Gulf of Mexico at risk of being exposed underwater pipelines or hazards to navigation?* (MO.RW.GOMHAZARD.R) (detail)

192.709(c) (192.612(a); 192.612(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Requirement to Identify GOM Pipeline Hazards (detail) *Are pipelines in the Gulf of Mexico at risk of being exposed underwater pipelines or hazards to navigation marked as required?* (MO.RW.GOMHAZARD.O) (detail)

192.612(c)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Gas Pipeline Leak Surveys and Patrols

1. Patrolling (Transmission Lines) (detail) *Does the process require patrol of transmission lines for leak detection, construction activities, and other factors affecting safety and operation?* (MO.LSP.PATROLTRANS.P) (detail)

192.705(a) (192.705(b); 192.705(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Patrolling for Leaks (Transmission Lines) (detail) *Do records indicate adequate patrolling of transmission lines?* (MO.LSP.PATROLTRANS.R) (detail)

192.705(a) (192.705(b); 192.705(c); 192.709(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Patrolling for Leaks (Distribution Lines) (detail) *Does the process require patrol of distribution mains for leak detection?* (MO.LSP.PATROLDIST.P) (detail)

192.721(a) (192.721(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Patrolling for Leaks (Distribution Lines) (detail) *Do records indicate adequate patrolling of distribution mains?* (MO.LSP.PATROLDIST.R) (detail)

192.721(a) (192.721(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Leak Survey (Transmission Lines) (detail) *Does the process require transmission line leak surveys?* (MO.LSP.SURVEYTRANS.P) (detail)

192.706(a) (192.706(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Leak Survey (Transmission Lines) (detail) *Do records indicate adequate transmission line leak surveys? (MO.LSP.SURVEYTRANS.R) (detail)*

192.706(a) (192.706(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Leak Survey (Distribution Lines) (detail) *Does the process require distribution line leak surveys? (MO.LSP.SURVEYDIST.P) (detail)*

192.723(a) (192.723(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Leak Survey (Distribution Lines) (detail) *Do records indicate adequate distribution line leak surveys? (MO.LSP.SURVEYDIST.R) (detail)*

192.723(a) (192.723(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Leak Survey (<30% SMYS) (detail) *For pipelines operating below 30% SMYS in a Class 3 or 4 locations, but not in an HCA, is there a process for performing leak surveys? (MO.LSP.SURVEY30SMYS.P) (detail)*

192.935(d)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Leak Survey (<30% SMYS) (detail) *For pipelines operating below 30% SMYS in a Class 3 or 4 locations, but not in an HCA, do records indicate performance of leak surveys? (MO.LSP.SURVEY30SMYS.R) (detail)*

192.935(d)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Public Awareness and Damage Prevention - One-Call Damage Prevention

1. Damage Prevention Program (detail) *Is a damage prevention program approved and in place?* (PD.OC.PDPROGRAM.P) (detail)

192.614(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Participation in Qualified One Call Systems (confirm) *Does the process require participation in qualified one-call systems?* (PD.OC.ONECALL.P) (confirm)

192.614(b) (CGA Best Practices, v4.0, Practice 3-4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Construction Marking (detail) *Does the process require marking proposed excavation sites to CGA Best Practices or use more stringent and accurate requirements?* (PD.OC.EXCAVATEMARK.P) (detail)

192.614(c)(5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Documented Damage Prevention Program - TPD (detail) *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)

192.614(c)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

192.614(c)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Participation in Qualified One Call Systems (detail) *Observe Operator process a "One Call" ticket.*
(PD.OC.ONECALL.O) (detail)

192.614(c)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Damage Prevention Program (detail) *Does the damage prevention program meet minimum requirements specified in 192.614(c)?* (PD.OC.PDPROGRAM.R) (detail)

192.614(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. DP Information Gathering Requirements (detail) *Does the process require critical damage prevention information be gathered and recorded during pipeline patrols. leak surveys, and integrity assessments?* (PD.OC.DPINFOGATHER.P) (detail)

192.917(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. DP Information Gathering Requirements (detail) *Do records demonstrate that critical damage prevention information is being gathered and recorded during pipeline patrols, leakage surveys, and integrity assessments?* (PD.OC.DPINFOGATHER.R) (detail)

192.947(b) (192.917(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Public Awareness and Damage Prevention - Public Awareness

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

192.616(a) (192.616(h))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Management Support of Public Awareness Program (detail) *Does the operator's program documentation demonstrate management support?* (PD.PA.MGMTSUPPORT.P) (detail)

192.616(a) (API RP 1162 Section 2.5; API RP 1162 Section 7.1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Asset Identification (detail) *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)

192.616(b) (API RP 1162 Section 2.7 Step 4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Audience Identification (detail) *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)

192.616(d) (192.616(e); 192.616(f); API RP 1162 Section 2.2; API RP 1162 Section 3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Audience Identification Records (detail) *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.AUDIENCEID.R) (detail)

192.616(d) (192.616(e); 192.616(f); API RP 1162 Section 2.2; API RP 1162 Section 3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Messages, Delivery Methods, and Frequencies (detail) *Does the program define the combination of messages, delivery methods, and delivery frequencies to comprehensively reach all affected stakeholder audiences in all areas where gas is transported?* (PD.PA.MESSAGES.P) (detail)

192.616(c) (API RP 1162 Section 3; API RP 1162 Section 4; API RP 1162 Section 5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Consideration of Supplemental Enhancements (detail) *Were relevant factors considered to determine the need for supplemental public awareness program enhancements for each stakeholder audience, as described in API RP 1162?* (PD.PA.SUPPLEMENTAL.P) (detail)

192.616(c) (API RP 1162 Section 6.2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Educational Provisions (detail) *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 gas pipeline facility; (3) Physical indications of a possible release; (4) Steps to be taken for public safety in the event of a gas pipeline release; and (5) Procedures to report such an event?* (PD.PA.EDUCATE.R) (detail)

192.616(d) (192.616(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

192.616(e) (192.616(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Baseline Message Delivery Frequency (detail) *Did the delivery of materials and messages meet or exceed the baseline delivery frequencies specified in API RP 1162, Table 2-1 through Table 2.3?* (PD.PA.MESSAGEFREQUENCY.R) (detail)

192.616(c) (API RP 1162 Table 2-1; API RP 1162 Table 2-2; API RP 1162 Table 2-3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Liaison with Public Officials (detail) (presented above) *Do records indicate liaisons established and maintained with appropriate fire, police and other public officials and utility owners in accordance with procedures?* (EP.ERG.LIAISON.R) (detail)

192.605(a) (192.615(c)(1); 192.615(c)(2); 192.615(c)(3); 192.615(c)(4); 192.616(c); ADB-05-03)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Other Languages (detail) *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)

192.616(g) (API RP 1162 Section 2.3.1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Other Languages (detail) *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)

192.616(g) (API RP 1162 Section 2.3.1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Evaluation Plan (detail) *Does the program include a process that specifies how program implementation and effectiveness will be periodically evaluated?* (PD.PA.EVALPLAN.P) (detail)

192.616(i) (192.616(c); API RP 1162 Section 8; API RP 1162 Appendix E)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Evaluate Program Implementation (detail) *Has an audit or review of the operator's program implementation been performed annually since the program was developed?* (PD.PA.EVALIMPL.R) (detail)

192.616(c) (192.616(i); API RP 1162 Section 8.3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Acceptable Methods for Program Implementation Audits (detail) *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 program implementation?* (PD.PA.AUDITMETHODS.R) (detail)

192.616(c) (192.616(i); API RP 1162 Section 8.3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Program Changes and Improvements (detail) *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)

192.616(c) (API RP 1162 Section 8.3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Evaluating Program Effectiveness (detail) *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)

192.616(c) (API RP 1162 Section 8.4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Measure Program Outreach (detail) *In evaluating effectiveness, was actual program outreach for each stakeholder audience tracked?* (PD.PA.MEASUREOUTREACH.R) (detail)

192.616(c) (API RP 1162 Section 8.4.1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Measure Understandability of Message Content (detail) *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)

192.616(c) (API RP 1162 Section 8.4.2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Measure Desired Stakeholder Behavior (detail) *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)

192.616(c) (API RP 1162 Section 8.4.3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

22. Measure Bottom-Line Results (detail) *Were bottom-line results of the program measured 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)

192.616(c) (API RP 1162 Section 8.4.4)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

23. Program Changes (detail) *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)

192.616(c) (API RP 1162 Section 2.7 (Step 12); API RP 1162 Section 8.5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

1. Patrolling Requirements (detail) (presented above) *Does the process adequately cover the requirements for patrolling the ROW and conditions reported?* (MO.RW.PATROL.P) (detail)

192.705(a) (192.705(b); 192.705(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Patrolling Requirements (detail) (presented above) *Do records indicate that ROW surface conditions have been patrolled as required?* (MO.RW.PATROL.R) (detail)

192.709(c) (192.705(a); 192.705(b); 192.705(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. ROW Markers Requirements (detail) (presented above) *Does the process adequately cover the requirements for placement of ROW markers?* (MO.RW.ROWMARKER.P) (detail)

192.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Placement of ROW Markers (confirm) (presented above) *Are line markers placed and maintained as required?* (MO.RW.ROWMARKER.O) (confirm)

192.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. ROW Conditions (confirm) (presented above) *Are the ROW conditions acceptable for the type of patrolling used?* (MO.RW.ROWCONDITION.O) (confirm)

192.705(a) (192.705(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Requirement to Identify GOM Pipeline Hazards (detail) (presented above) *Does the process require identification of pipelines in the Gulf of Mexico at risk of being exposed underwater or hazards to navigation?* (MO.RW.GOMHAZARD.P) (detail)

192.612(a) (192.612(c)(2); 192.612(c)(3))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Requirement to Identify GOM Pipeline Hazards (detail) (presented above) *Do records indicate steps taken to identify and inspect pipelines in the Gulf of Mexico at risk of being exposed underwater pipelines or hazards to navigation?* (MO.RW.GOMHAZARD.R) (detail)

192.709(c) (192.612(a); 192.612(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Requirement to Identify GOM Pipeline Hazards (detail) (presented above) *Are pipelines in the Gulf of Mexico at risk of being exposed underwater pipelines or hazards to navigation marked as required?* (MO.RW.GOMHAZARD.O) (detail)

192.612(c)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Public Awareness and Damage Prevention - Special Permits

1. AMAOP Pipelines and Special Permit Pipelines (detail) *If the operator operates a pipeline under a special permit have the processes been modified to incorporate the requirements of the permit for required repairs?* (PD.SP.REPAIR.P) (detail)

190.341(d)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Special Permits (detail) *If the operator operates a pipeline under a special permit, do the processes specify implementation of applicable CGA Best Practices?* (PD.SP.BESTPRACTICE.P) (detail)

190.341(d)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. 80% Pipelines and Special Permit Pipelines (detail) *If the operator operates a pipeline under a special permit, do records indicate that required repairs were performed?* (PD.SP.REPAIR.R) (detail)

190.341(d)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. 80% Pipelines and Special Permit Pipelines (detail) *If the operator operates a pipeline under a special permit verify that the requirements have been implemented.* (PD.SP.REQUIREMENT.O) (detail)

190.341(d)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Special Permits - AMAOP (detail) *If the operator operates a pipeline under an AMAOP special permit have the processes been modified to incorporate the requirements of the permit?* (PD.SP.AMAOP.P) (detail)

190.341(d)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Special Permits - AMAOP (detail) *If the operator operates a pipeline under an AMAOP special permit, do records indicate that required repairs were performed?* (PD.SP.AMAOP.R) (detail)

190.341(d)(2) (192.605(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Reporting - Notices and Reporting

1. OQ Program Modifications (detail) *Does the OQ Program require the Administrator or state agency to be notified if the operator significantly modifies its program?* (RPT.NR.NOTIFYOQ.P) (detail)

192.805(i)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. OQ Program Modifications (detail) *Do records indicate the Administrator or state agency was notified when the OQ Program was significantly modified?* (RPT.NR.NOTIFYOQ.R) (detail)

192.805(i)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Alternative MAOP - Elevated Temperature (detail) *Do records indicate coating information was provided to PHMSA and state authorities at least 60 days prior to operating above 120 deg. F?* (RPT.NR.AMAOPTEMP.R) (detail)

192.112(h)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Alternative MAOP - Coating Monitoring (detail) *Do records indicate coating monitoring program provided to PHMSA and state authorities?* (RPT.NR.AMAOPCOAT.R) (detail)

192.112(h)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Alternative MAOP - Test failure (detail) *Do records indicate the results of root cause analyses of pipe test failures reported to PHMSA and state authorities, at least 60 days prior to operating at the alternative MAOP?* (RPT.NR.AMAOPTESTFAIL.R) (detail)

192.328(d)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Alternative MAOP - Operating Failure (detail) *Prior to using the alternative maximum allowable pressure option on a pipeline that have been previously operated at lower pressures, do the procedures require reporting the results of root cause analyses of operational failures to PHMSA and state authorities, at least 60 days prior to operation at the alternative MAOP?* (RPT.NR.AMAOPOPFAIL.P) (detail)

192.605(b)(1) (192.620(b)(6))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Alternative MAOP - Operating Failure (detail) *Do records indicate results of root cause analyses of operational failures reported to PHMSA and state authorities for those pipelines using the alternative maximum allowable pressure option on a pipeline that have been previously operated at lower pressures, at least 60 days prior to operation at the alternative MAOP?* (RPT.NR.AMAOPOPFAIL.R) (detail)

192.603(b) (192.620(b)(6))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Alternative MAOP - Election (detail) *Does the process require notification to PHMSA and the state pipeline safety authorities of the election to use the alternative MAOP?* (RPT.NR.AMAOPNOTIFY.P) (detail)

192.620(c)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Alternative MAOP - Election (detail) *Do records indicate notification to PHMSA and the state pipeline safety authorities of the election to use the alternative MAOP?* (RPT.NR.AMAOPNOTIFY.R) (detail)

192.603(b) (192.620(c)(1))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Alternative MAOP - Certification (192.620) (detail) *Does the process require certified copies required by 192.620(c)(2) be sent to applicable PHMSA region offices and state pipeline safety authorities? (RPT.NR.AMAOPCERT.P) (detail)*

192.620(c)(3)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Alternative MAOP - Certification (detail) *Do records indicate certified copies required by 192.620(c)(2) were sent to applicable PHMSA region offices and state pipeline safety authorities? (RPT.NR.AMAOPCERT.R) (detail)*

192.603(b) (192.620(c)(3))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Alternative MAOP - Cathodic Protection (Amdt) (detail) *Does the process require notification to PHMSA and the state pipeline safety authorities of certain annual test station readings that do not meet cathodic protection criteria if remedial action cannot be completed within 6 months? (RPT.NR.AMAOPCP.P) (detail)*

192.620(d)(8)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Alternative MAOP - Cathodic Protection (detail) *Do records indicate notification to PHMSA and the state pipeline safety authorities of certain annual test station readings that do not meet cathodic protection criteria if remedial action could not be completed within 6 months? (RPT.NR.AMAOPCP.R) (detail)*

192.603(b) (192.620(d)(8))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. IM Management of Change (detail) *Is the process for notifying PHMSA and/or state/local authorities of significant changes to the Integrity Management Program adequate? (RPT.NR.NOTIFYIMCHANGE.P) (detail)*

192.909(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. IM Management of Change (detail) *Do records demonstrate that PHMSA and/or state/local authorities were notified of significant changes to the Integrity Management Program?* (RPT.NR.NOTIFYIMCHANGE.R) (detail)

192.947(i) (192.909(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. IM Pressure Reductions (detail) *Do the procedures require notifying PHMSA and/or state/local authorities: 1) if the schedule for evaluation and remediation required under paragraph 192.933(c) cannot be met and safety cannot be provided through temporary reduction in operating pressure or other action, and 2) when a pressure reduction exceeds 365 days?* (RPT.NR.NOTIFYIMPRESS.P) (detail)

192.933(a)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. IM Pressure Reductions (detail) *Do records demonstrate that PHMSA and/or state/local authorities were notified with the required information when one of the following occurred: 1) schedule for evaluation and remediation could not be met and safety could not be provided through a temporary reduction in operating pressure, or 2) when a pressure reduction exceeded 365 days?* (RPT.NR.NOTIFYIMPRESS.R) (detail)

192.947(i) (192.933(a)(1))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. IM Performance Measures (Deviate) (detail) *Is there a process for reporting integrity management program performance measures if deviating from certain IMP requirements (exceptional performance)?* (RPT.NR.IMDEVIATERPT.P) (detail)

192.913(b)(1)(vii)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. IM Performance Measures (Deviate) (detail) *Do records demonstrate adequate reporting of integrity management program performance measures if deviating from certain IMP requirements (exceptional performance)?* (RPT.NR.IMDEVIATERPT.R) (detail)

192.947(i) (192.913(b)(1)(vii))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. IM Performance Reporting (detail) *Is there a process for annual reporting of integrity management performance data?* (RPT.NR.IMPERFSRPT.P) (detail)

192.947(i) (192.945(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. IM Performance Reporting (detail) *Do annual reports demonstrate that integrity management performance data were reported?* (RPT.NR.IMPERFRPT.R) (detail)

192.947(i) (192.945(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Reporting - Regulatory Reporting (Traditional)

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

191.17(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Immediate Reporting: Incidents (detail) *Is there a process to immediately report incidents to the National Response Center?* (RPT.RR.IMMEDREPORT.P) (detail)

191.5(b) (191.7)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Immediate Reporting: Incidents (detail) *Do records indicate immediate notifications of incidents were made in accordance with 191.5?* (RPT.RR.IMMEDREPORT.R) (detail)

191.5(a) (191.7(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Telephonic Reporting: Exposed Pipe GOM and inlets (detail) *Does the process include telephonic notification to the National Response Center of exposed or navigation hazard pipe in the Gulf of Mexico and its inlets? (RPT.RR.TELREPORTGOM.P) (detail)*

192.605(b)(1) (192.612(c)(1))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Telephonic Reporting: Exposed Pipe GOM and inlets (detail) *Do records indicate telephonic notification of exposed pipes in the Gulf of Mexico and its inlets was made? (RPT.RR.TELREPORTGOM.R) (detail)*

192.612(c)(1)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Incident Reports (detail) *Does the process require preparation and filing of an incident report as soon as practicable but no later than 30 days after discovery of a reportable incident? (RPT.RR.INCIDENTREPORT.P) (detail)*

191.15(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Supplemental Incident Reports (detail) *Does the process require preparation and filing of supplemental incident reports? (RPT.RR.INCIDENTREPORTSUPP.P) (detail)*

191.15(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Incident Reports (detail) *Do records indicate reportable incidents were identified and reports were submitted to DOT on Form 7100.2 (01-2002) within the required timeframe? (RPT.RR.INCIDENTREPORT.R) (detail)*

191.15(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Supplemental Incident Reports (detail) *Do records indicate accurate supplemental incident reports were filed and within the required timeframe?* (RPT.RR.INCIDENTREPORTSUPP.R) (detail)

191.15(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Safety Related Condition Reports (detail) *Do the procedures require reporting of safety-related conditions?* (RPT.RR.SRCR.P) (detail)

192.605(a) (191.23(a); 191.23(b); 191.25(a); 191.25(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

191.23(a) (191.23(b); 191.25(a); 191.25(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Offshore Pipeline Condition Reports (detail) *Does the process require reports to be submitted within 60 days after completing inspection of underwater pipelines in GOM and its inlets?* (RPT.RR.OPCR.P) (detail)

191.27(a) (191.27(b); 192.612(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Offshore Pipeline Condition Reports (detail) *Do records indicate reports were submitted within 60 days of completing inspections of underwater pipelines?* (RPT.RR.OPCR.R) (detail)

191.27(a) (191.27(b); 192.612(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Offshore Hazard to Navigation: Permit Delay (detail) *Do the process require PHMSA notification when federal or state permits cannot be obtained in time? (RPT.RR.NOTIFYPERMITGOM.P) (detail)*

192.605(b)(1) (192.612(c)(3)(ii))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Offshore Hazard to Navigation: Permit Delay (detail) *Do records indicate required notification was provided when permitting delayed reburial of pipe in Gulf of Mexico waters found to be a hazard to navigation? (RPT.RR.NOTIFYPERMITGOM.R) (detail)*

192.612(c)(3)(ii)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. NPMS: Abandoned Underwater Facility Reports (detail) *Does the process require reports to be filed for each abandoned offshore pipeline facility or each abandoned onshore pipeline facility that crosses over, under or through a commercially navigable waterway? (RPT.RR.NPMSABANDONWATER.P) (detail)*

192.605(b)(1) (192.727(g))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. NPMS: Abandoned Underwater Facility Reports (detail) *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)*

192.727(g)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. NPMS: Annual Updates (detail) *Do records indicate NPMS submissions were updated every 12 months if system modifications (excludes distribution lines and gathering lines) occurred, and that if no modifications occurred, an email was submitted stating that fact? (RPT.RR.NPMSANNUAL.R) (detail)*

Pipeline Safety Improvement Act of 2002 (49 USC 60132) (Advisory Bulletin ADB-08-07)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. National Registry of Pipeline and LNG Operators (OPID) (detail) *Does the process require the obtaining, and appropriate control, of Operator Identification Numbers (OPIDs)?* (RPT.RR.OPID.P) (detail)

191.22(a) (191.22(b); 191.22(c); 191.22(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. National Registry of Pipeline and LNG Operators (OPID) (detail) *Do records indicate appropriate obtaining, and control of, Operator Identification Numbers (OPIDs)?* (RPT.RR.OPID.R) (detail)

191.22(a) (191.22(b); 191.22(c); 191.22(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Reporting - Special Permits

1. Special Permits or Waiver (detail) *Has the operator complied with all reporting requirements contained within its special permit or waiver?* (RPT.SP.SPWAIVER.R) (detail)

190.341(d)(2) (Special Permit)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Screening - Assessment and Repair

0. SRN.AR Submodule Summary Result (detail) *Submodule Summary* (SRN.AR.SUMMARY.S) (detail)

	SI	PAC	NIC	NA

Notes

1. Application of Industry Standards (detail) *Has the operator considered the appropriate industry standards?* (SRN.AR.B318S.S) (detail)

SI	PAC	NIC	NA

Notes

2. Integrity Assessment Method - ILI (detail) *Are ILI tools utilized to assess the integrity of any pipeline systems?* (SRN.AR.ILIUSE.S) (detail)

SI	PAC	NIC	NA

Notes

3. Identification of Specific Threats (detail) *Have specific threats been identified that require specific ILI tools to be used on any pipeline system in the last 3 years?* (SRN.AR.THREATID.S) (detail)

SI	PAC	NIC	NA

Notes

4. Integrity Assessment Method - Pressure Testing (detail) *Is pressure testing utilized to assess the integrity of any of the pipeline systems?* (SRN.AR.PRESSTEST.S) (detail)

SI	PAC	NIC	NA

Notes

5. Integrity Assessment Method - ECDA (detail) *Is ECDA utilized to assess the integrity of any pipeline systems?* (SRN.AR.ECDA.S) (detail)

SI	PAC	NIC	NA

Notes

6. Integrity Assessment Method - OTHER (detail) *Is "Other Technology" utilized to assess the integrity of any of the pipeline systems?* (SRN.AR.OTHERTECH.S) (detail)

SI	PAC	NIC	NA

Notes

7. Integrity Assessment Method - ICDA (detail) *Is ICDA utilized to assess the integrity of any of the pipeline systems?* (SRN.AR.ICDA.S) (detail)

SI	PAC	NIC	NA

Notes

8. Integrity Assessment Method - SCCDA (detail) *Is SCCDA utilized to assess the integrity of any of the pipeline systems?* (SRN.AR.SCCDA.S) (detail)

SI	PAC	NIC	NA

Notes

9. Integrity Assessment Method - CDA (detail) *Is CDA utilized to assess the integrity of any of the pipeline systems?* (SRN.AR.CDA.S) (detail)

SI	PAC	NIC	NA

Notes

10. Low Stress Re-assessments (detail) *Is Low Stress Re-assessment utilized to assess the integrity of any of the pipeline systems?* (SRN.AR.LOWSTRESSREASSESS.S) (detail)

SI	PAC	NIC	NA

Notes

11. Integrity assessments that were not performed as scheduled or within required timeframes (detail) *Has the performance of any integrity assessments been delayed such that a schedule or required timeframe was exceeded?* (SRN.AR.ASSESSDELAY.S) (detail)

SI	PAC	NIC	NA

Notes

12. Pressure Reductions and Shutdowns (detail) *Has a pressure reduction been taken or a pipeline shutdown in the last 3 years in response to remediate a condition identified from an integrity assessment?* (SRN.AR.PRESSREDSD.S) (detail)

SI	PAC	NIC	NA

Notes

13. Repair Criteria (detail) *Does the operator utilize the same response/repair criteria in HCA and non HCA's?* (SRN.AR.REPCRIT.S) (detail)

SI	PAC	NIC	NA

Notes

14. Identification and Remediation of Cracks on Pipeline Systems (detail) *Have any cracks or crack-like features been identified and remediated on any of the pipeline system in the last 3 years?* (SRN.AR.CRACKIDENT.S) (detail)

SI	PAC	NIC	NA

Notes

15. Use of Contractor Personnel (detail) *Are contractor personnel used to perform assessment and repair tasks; and if so, what are the tasks that contractors typically perform for the operator?* (SRN.AR.CONTRACTASSESS.S) (detail)

SI	PAC	NIC	NA

Notes

16. Pipe Movement or Replacement Projects (detail) *Have any pipeline movement or replacement projects been performed in the last 3 years? If so, identify the projects and locations.* (SRN.AR.LINEREPLACEMOVE.S) (detail)

SI	PAC	NIC	NA

Notes

17. Integrity Related Activities (detail) *Describe the most significant integrity assessments, remediation, replacement, and reconditioning projects that will be taking place this year.* (SRN.AR.INTEGRITYPROJECT.S) (detail)

SI	PAC	NIC	NA

Notes

Screening - Training and Qualification

0. SRN.TQ Submodule Summary Result (detail) *Submodule Summary* (SRN.TQ.SUMMARY.S) (detail)

SI	PAC	NIC	NA

Notes

1. OQ Plan Management and Implementation (detail) *Is there a single OQ Plan and Program for all facilities?* (SRN.TQ.OQPLAN.S) (detail)

SI	PAC	NIC	NA

Notes

2. OQ Procedure Manual Modifications (detail) *Has the manual of written procedures been significantly modified since the last PHMSA Team OQ inspection?* (SRN.TQ.OQPLANMOD.S) (detail)

SI	PAC	NIC	NA

Notes

3. New Construction (detail) *Is new construction covered under the OQ Plan?* (SRN.TQ.OQCONST.S) (detail)

SI	PAC	NIC	NA

Notes

4. OQ Program - Open Issues (detail) *Have all open issues been remediated?* (SRN.TQ.OQISSUES.S)
(detail)

SI	PAC	NIC	NA

Notes

5. OQ Plan Management and Implementation (detail) *How are site specific variations accounted for?* (SRN.TQ.OQSITEVARIATION.S) (detail)

SI	PAC	NIC	NA

Notes

6. Personnel (detail) *How many personnel are covered by the OQ Plan, both in house and contractor?* (SRN.TQ.OQPERSONNEL.S) (detail)

SI	PAC	NIC	NA

Notes

7. Other Entities and Mutual Assistance Programs Performing Covered Tasks (detail)
Does the process have provisions for other individuals to perform covered tasks on your behalf, such as through mutual assistance agreements? (SRN.TQ.OQMUTUAL.S) (detail)

SI	PAC	NIC	NA

Notes

8. Emergency Response Training in OQ Plan (detail) *Does the OQ Plan address Emergency Response Training and Qualification or is this contained elsewhere (such as Emergency Response Plan)?* (SRN.TQ.OQERP.S) (detail)

SI	PAC	NIC	NA

Notes

9. Use of Plastic Pipe (detail) *Are there any plastic pipelines?* (SRN.TQ.PLASTIC.S) (detail)

SI	PAC	NIC	NA

Notes

10. Removal from Covered Task (detail) *Has an OQ-qualified individual been removed from performing a covered task?* (SRN.TQ.OQREMOVAL.S) (detail)

SI	PAC	NIC	NA

Notes

Screening - CRM, SCADA, and Leak Detection

0. SRN.CR Submodule Summary Result (detail) *Submodule Summary* (SRN.CR.SUMMARY.S) (detail)

SI	PAC	NIC	NA

Notes

1. SCADA System (detail) *Discussion of the SCADA System or Remote/Field Automation utilized?* (SRN.CR.SCADACONDITION.S) (detail)

SI	PAC	NIC	NA

Notes

2. Control Room Logging Process (detail) *Is there a logging process for system events, alarms, and* commands? (SRN.CR.LOGGING.S) (detail)

SI	PAC	NIC	NA

Notes

3. Control Center Location (detail) *Where is the main Control Center located?* (SRN.CR.CONTROLCNTR.S) (detail)

SI	PAC	NIC	NA

Notes

4. Controller Training and Qualification (detail) *Discussion of the Controller training?* (SRN.CR.CRTRAINING.S) (detail)

SI	PAC	NIC	NA

Notes

5. Controllers (detail) *How many controllers are there total and per shift, and what is their work schedule/shift?* (SRN.CR.CONTROLLERS.S) (detail)

SI	PAC	NIC	NA

Notes

6. Extent of SCADA Usage/SCADA Coverage (detail) *How are SCADA Systems implemented and used in the system?* (SRN.CR.SCADACOVERAGE.S) (detail)

SI	PAC	NIC	NA

Notes

7. Extent of SCADA Usage/SCADA Coverage (detail) *How is a SCADA system utilized to present, handle, and respond to alarms and warning devices?* (SRN.CR.SCADAWARNING.S) (detail)

SI	PAC	NIC	NA

Notes

8. Use of SCADA/Automation for Compliance (detail) *Is SCADA or other forms of automation used to help achieve compliance with Federal pipeline regulations, and if so, to what extent?* (SRN.CR.SCADACOMPLY.S) (detail)

SI	PAC	NIC	NA

Notes

9. Leak Detection (detail) *How are leaks detected (system in place, procedures available)?* (SRN.CR.LEAKDET.S) (detail)

SI	PAC	NIC	NA

Notes

Screening - Design and Construction

0. SRN.DC Submodule Summary Result (detail) *Submodule Summary* (SRN.DC.SUMMARY.S) (detail)

SI	PAC	NIC	NA

Notes

1. Management - New Facility (detail) *Is the process different for managing "new facility" construction projects vs. managing "maintenance" construction projects?* (SRN.DC.CONSTPROCNEW.S) (detail)

SI	PAC	NIC	NA

Notes

2. Management - Small Projects (detail) *How is the management process for "small" construction projects (replacement of 500 feet of pipe, for example) different than for managing "major" projects?* (SRN.DC.CONSTPROCSMALL.S) (detail)

SI	PAC	NIC	NA

Notes

3. Construction vs. Maintenance (detail) *Does the process differentiate between new construction and operation/maintenance as relates to OQ applicability?* (SRN.DC.CONSTOQ.S) (detail)

SI	PAC	NIC	NA

Notes

4. First and Second Party Damage (detail) *Within the last 3 years have there been any "first party" (operator personnel-caused) or "second party" (operator's contractor personnel-caused) damages to in-service pipeline caused by construction activity near the line?* (SRN.DC.DAMAGE1ST2NDPARTY.S) (detail)

SI	PAC	NIC	NA

Notes

5. Leaks - Material and Construction Related (detail) *Any construction or material related leaks on pipelines or components within the last 3 years?* (SRN.DC.LEAKMATCONST.S) (detail)

SI	PAC	NIC	NA

Notes

6. Leaks - Test Failures (detail) *Have there been any post-construction (pre-commissioning) hydrotest failures within the last 3 years?* (SRN.DC.CONSTHYDROFAIL.S) (detail)

SI	PAC	NIC	NA

Notes

7. Upcoming Projects (detail) *Are "non-major" pipeline and pipeline component construction and/or testing project activities planned to be underway within the next 6 months? The following questions may be of help in identifying the projects.* (SRN.DC.PROJECT.S) (detail)

SI	PAC	NIC	NA

Notes

8. Plastic Pipe (detail) *Are construction activities scheduled to occur within the next 6 months on plastic pipe?* (SRN.DC.PROJECTPLASTIC.S) (detail)

SI	PAC	NIC	NA

Notes

9. Pressure Tests (detail) *Are pressure tests scheduled to occur within the next 6 months on existing pipelines or existing pipeline components (tests that are to be performed independent from normal post-construction testing)?* (SRN.DC.PROJECTPRESSTEST.S) (detail)

SI	PAC	NIC	NA

Notes

10. Gathering (detail) *Are construction activities scheduled to occur within the next 6 months on onshore and/or offshore gathering lines?* (SRN.DC.PROJECTGATHERING.S) (detail)

SI	PAC	NIC	NA

Notes

11. Class Change (detail) *Are pipe replacements or requalification tests that are required by class location changes scheduled to occur within the next 6 months?* (SRN.DC.PROJECTCLASSLOC.S) (detail)

SI	PAC	NIC	NA

Notes

12. Project Specifications: Steel Line Pipe or Station (confirm) *Do written specifications or standards and drawings specify that the pipeline facility project (steel line pipe, compressor station, or pressure regulating/overpressure facilities) is to be constructed per code requirements? (if detailed questions of the DC module are asked, then this confirmatory question need not be completed).* (SRN.DC.PROJECTSPECS.S) (confirm)

SI	PAC	NIC	NA

Notes

13. Steel Line Pipe and Stations (detail) *Are construction activities scheduled to occur within the next 6 months on steel line pipe and/or stations (meter, compressor, regulator, overpressure protection)?* (SRN.DC.CONSTPIPESTATION.S) (detail)

SI	PAC	NIC	NA

Notes

14. Construction - Vintage Pipe Connections (detail) *Are construction activities scheduled to occur within the next 6 months that are in close proximity to a pipeline joined with mechanical couplings, or to a pipeline joined with welds that may be susceptible to failure if disturbed or moved (such as acetylene welds)?* (SRN.DC.CONSTVINTAGE.S) (detail)

SI	PAC	NIC	NA

Notes

15. Construction - Vintage Pipe Tie-Ins (detail) *Are construction tie-in activities scheduled to occur within the next 6 months on a pipeline joined with mechanical couplings, or on a pipeline joined with welds that may be susceptible to failure if disturbed or moved (such as acetylene welds)?* (SRN.DC.CONSTVINTAGETIE.S) (detail)

SI	PAC	NIC	NA

Notes

16. Welding on in-service pipelines (detail) *Are construction activities scheduled to occur within the next 6 months that will involve welding on in-service pipelines?* (SRN.DC.CONSTINSERVICE.S) (detail)

SI	PAC	NIC	NA

Notes

17. Construction - Vaults (detail) *Are construction activities scheduled to occur within the next 6 months on vaults or valve pits?* (SRN.DC.CONSTVAULT.S) (detail)

SI	PAC	NIC	NA

Notes

18. Offshore or Gulf of Mexico/Inlets (detail) *Are construction activities scheduled to occur within the next 6 months offshore or in the Gulf of Mexico/inlets?* (SRN.DC.CONSTGOM.S) (detail)

SI	PAC	NIC	NA

Notes

19. Contract Workers (detail) *Are contract workers used in performing construction, hot tapping, and tie-in related activities, and if so, which activities?* (SRN.DC.CONSTCONTRACT.S) (detail)

SI	PAC	NIC	NA

Notes

20. OQ Covered Task List (detail) *What are the identified OQ program covered tasks that could be performed on the following construction-related projects: 1) new facility construction projects (including facility tie-in, commissioning, and start-up), and 2) maintenance construction projects (projects relating to facility replacement and testing attributable to compliance with the operations and maintenance sections of the regulations)?* (SRN.DC.CONSTOQTASK.S) (detail)

SI	PAC	NIC	NA

Notes

21. Removal from Covered Task (detail) *Has an OQ-qualified individual been removed from performing a covered task while performing the task on a construction job as required?* (SRN.DC.CONSTOQREMOVE.S) (detail)

SI	PAC	NIC	NA

Notes

Screening - Emergency Preparedness and Response

0. SRN.EP Submodule Summary Result (detail) *Submodule Summary* (SRN.EP.SUMMARY.S) (detail)

SI	PAC	NIC	NA

Notes

1. Emergency Response (detail) *Have situations been experienced in the past 3 years that required activation of an emergency response in accordance with procedures?* (SRN.EP.EPACTIVATE.S) (detail)

SI	PAC	NIC	NA

Notes

2. Conduct of Drills (detail) *Have drills, including unannounced drills and/or drills outside of normal working hours, been conducted?* (SRN.EP.EPDRILLS.S) (detail)

SI	PAC	NIC	NA

Notes

3. Revision of Emergency Procedures (detail) *Have emergency procedures been revised in the past 3 years due to deficiencies identified during a drill or post-incident analysis?* (SRN.EP.EPREVISION.S) (detail)

SI	PAC	NIC	NA

Notes

4. Revision of Emergency Response Training (detail) *Has the emergency response training program been revised in the past 3 years due to deficiencies identified during a drill or post-incident analysis?* (SRN.EP.EPTRAINING.S) (detail)

SI	PAC	NIC	NA

Notes

Screening - Facilities and Storage

0. SRN.FS Submodule Summary Result (detail) *Submodule Summary* (SRN.FS.SUMMARY.S) (detail)

SI	PAC	NIC	NA

Notes

1. Compressor Station Design (detail) *Are the Compressor stations on this system a standard design?* (SRN.FS.CMPDESIGN.S) (detail)

SI	PAC	NIC	NA

Notes

2. Compressor Stations Construction General (detail) *Have any compressor stations been significantly modified or constructed within the last 5 years?* (SRN.FS.CMPINSPECT.S) (detail)

SI	PAC	NIC	NA

Notes

3. Vault Maintenance (detail) *Are there any vaults that have a volumetric internal content of 200 cubic feet (5.66 cubic meters) or more within the confines of a compressor station?* (SRN.FS.VAULT.S) (detail)

SI	PAC	NIC	NA

Notes

4. Gas Storage field (detail) *Are any gas storage fields operated?* (SRN.FS.STORAGEFIELD.S) (detail)

SI	PAC	NIC	NA

Notes

5. HCAs (detail) *Are any facilities located in high consequence areas (HCAs)? (SRN.FS.HCAFACILITY.S) (detail)*

SI	PAC	NIC	NA

Notes

6. Compressor Stations Construction - Distribution Supply (detail) *Have compressor stations that supply gas directly to a distribution system that has no other adequate sources of gas available been significantly modified or constructed within the last 5 years? (SRN.FS.CMPSTATIONDIST.S) (detail)*

SI	PAC	NIC	NA

Notes

7. Compressor Stations Construction - Platform (detail) *Have any compressor stations that are on platforms located offshore or in inland navigable waters and that have been modified or constructed within the last 5 years. (SRN.FS.CMPPLATFORM.S) (detail)*

SI	PAC	NIC	NA

Notes

Screening - Integrity Management

0. SRN.IM Submodule Summary Result (detail) *Submodule Summary (SRN.IM.SUMMARY.S) (detail)*

SI	PAC	NIC	NA

Notes

1. IM High Consequence Areas - HCAs (detail) *Is there record of any HCAs in the system?* (SRN.IM.HCAPRESENT.S) (detail)

192.905(c)

SI	PAC	NIC	NA

Notes

2. IM High Consequence Areas - Newly Identified HCAs (detail) *Have any new HCA's been identified in the last 3 years based on new information that may show that a pipeline segment impacts a high consequence area?* (SRN.IM.HCANEW.S) (detail)

192.905(c)

SI	PAC	NIC	NA

Notes

3. IM High Consequence Areas - Identification Method (detail) *Is method 1 or method 2 of the §192.903 High Consequence Area definition for the identification of HCAs used?* (SRN.IM.HCAMETHOD.S) (detail)

192.903(1)(i) (192.903(1)(ii); 192.903(1)(iii); 192.903(1)(iv))

SI	PAC	NIC	NA

Notes

4. Risk Analysis - Comprehensiveness of Approach (detail) *Describe the most significant modifications that have been made to the IM processes to identify and evaluate all potential threats to each covered pipeline segment in the last 3 years.* (SRN.IM.RAMOD.S) (detail)

192.917(a) (192.917(e)(2); ASME B31.8S-2004, Section 2.2 and Section 5.10)

SI	PAC	NIC	NA

Notes

5. IM Baseline Assessments - Prioritized Schedule (detail) *Have the timing requirements in the BAP schedule for completing the assessment activities for all covered segments been met?* (SRN.IM.BAPSCHEDULE.S) (detail)

SI	PAC	NIC	NA

Notes

6. IMP Periodic Evaluation Actions (detail) *Describe the most significant actions implemented to address the threats identified and the risk represented by these threats as a result of a periodic evaluation for a specific covered segment.* (SRN.IM.PERIODICEVALMOC.S) (detail)

SI	PAC	NIC	NA

Notes

7. P&M Measures - General Requirements (detail) *Describe the most significant additional measures implemented in the last 3 years to prevent a pipeline failure and to mitigate the consequences of a pipeline failure in a high consequence area?* (SRN.IM.PMIMPGENERAL.S) (detail)

SI	PAC	NIC	NA

Notes

8. P&M Measures - Threat Specific Considerations and Actions (detail) *Describe the most significant preventive and mitigative measures that have been implemented in the last 3 years regarding threats due to third party damage, outside force damage, or corrosion as required by the process.* (SRN.IM.PMIMPTHREAT.S) (detail)

SI	PAC	NIC	NA

Notes

9. Performance Measures (detail) *What has been learned as a result of the evaluation of the performance measures, and what significant changes have been made to the IMP as a result of the evaluation of the performance measures in the last 3 years?* (SRN.IM.PERFMEASURE.S) (detail)

SI	PAC	NIC	NA

Notes

10. Management of Change (MOC) (detail) *Describe the most significant changes that have been implemented and moved through the Management of Change (MOC) processes for risk management applications in the last 3 years.* (SRN.IM.MOC.S) (detail)

SI	PAC	NIC	NA

Notes

11. Exceptional Performance (detail) *Is there any deviating from certain requirements of Subpart O by using a performance-based approach that satisfies the requirements for exceptional performance, as defined in §192.913?* (SRN.IM.EXCPERFORM.S) (detail)

192.913

SI	PAC	NIC	NA

Notes

Screening - Maintenance and Operations

0. SRN.MO Submodule Summary Result (detail) *Submodule Summary* (SRN.MO.SUMMARY.S) (detail)

SI	PAC	NIC	NA

Notes

1. Abnormal Operation (detail) *Describe the process for responding to and learning from abnormal operation events.* (SRN.MO.ABPROCESS.S) (detail)

SI	PAC	NIC	NA

Notes

2. Odorization (detail) *Are any portions of the pipeline system(s) odorized?* (SRN.MO.ODORIZE.S) (detail)

SI	PAC	NIC	NA

Notes

3. Class Location (detail) *Has there been a class location change occur in the past 3 years that required a study and the subsequent confirmation or revision of the pipeline segment's MAOP?* (SRN.MO.CLASSLOCATEMAOPREV.S) (detail)

SI	PAC	NIC	NA

Notes

4. Segment-Specific MAOP Protection (detail) *Are there any segment-specific MAOP protection controls in place?* (SRN.MO.MAOPSEGPROTECT.S) (detail)

SI	PAC	NIC	NA

Notes

5. Alternate Maximum Allowable Operating Pressure (detail) *Does the operator have any segments of pipeline that are operating under the alternate maximum allowable operating pressure limitations?* (SRN.MO.AMAOP.S) (detail)

SI	PAC	NIC	NA

Notes

Screening - Multi-Module Screening Question

0. SRN.MULTI Submodule Summary Result (detail) *Submodule Summary* (SRN.MULTI.SUMMARY.S) (detail)

SI	PAC	NIC	NA

Notes

1. Program Oversight (detail) *Who is responsible for the following programs? (see Considerations)* (SRN.MULTI.RESPONSIBLE.S) (detail)

SI	PAC	NIC	NA

Notes

2. Records Location (detail) *Where are the records kept for: (see Considerations)* (SRN.MULTI.RECORDLOCATE.S) (detail)

SI	PAC	NIC	NA

Notes

3. Tracking of "Near Misses" (detail) *Are "near misses" tracked, and if so, how are "near misses" defined?* (SRN.MULTI.NEARMISS.S) (detail)

SI	PAC	NIC	NA

Notes

4. Asset Acquisition and Divestiture (detail) *Describe the significant asset acquisitions, mergers and divestitures in the last five years.* (SRN.MULTI.ASSETCHANGE.S) (detail)

SI	PAC	NIC	NA

Notes

5. Aerial Images (detail) *How often is new aerial photography/videography taken and who analyzes the new data?* (SRN.MULTI.AERIALIMAGE.S) (detail)

SI	PAC	NIC	NA

Notes

6. IM Procedure Manual (detail) *Describe the most significant changes to the IMP processes and procedures since the last IMP or II IMP-related inspection.* (SRN.MULTI.IMPLANMOD.S) (detail)

SI	PAC	NIC	NA

Notes

7. O&M Procedure Manual Modifications (detail) *Has the manual of written procedures been significantly modified since the last PHMSA Team O&M inspection?* (SRN.MULTI.OMPLANMOD.S) (detail)

SI	PAC	NIC	NA

Notes

8. Idle Pipelines (detail) *Are any pipelines currently "idle"?* (SRN.MULTI.IDLEPIPE.S) (detail)

SI	PAC	NIC	NA

Notes

9. Idle Pipeline Return to Service (detail) *Have any pipelines been returned to service in the last 3 years that were previously considered to be "idle"?* (SRN.MULTI.IDLERETURN.S) (detail)

SI	PAC	NIC	NA

Notes

10. O&M Management of Change (detail) *How are systemic maintenance and operations changes handled?* (SRN.MULTI.OMMOC.S) (detail)

SI	PAC	NIC	NA

Notes

11. Conversion to Service (detail) *Have any pipeline segments been converted to service within the last 5 years?* (SRN.MULTI.CONVERSION.S) (detail)

SI	PAC	NIC	NA

Notes

12. Safety Related Condition Reports (detail) *Discussion of SRCRs.* (SRN.MULTI.SRCR.S) (detail)

SI	PAC	NIC	NA

Notes

13. Annual Reports (detail) *Discussion of Annual Reports* (SRN.MULTI.ANNUALREPORT.S) (detail)

SI	PAC	NIC	NA

Notes

14. Assets (detail) *Discussion of Assets* (SRN.MULTI.ASSETDATA.S) (detail)

SI	PAC	NIC	NA

Notes

15. Class 3 and 4 Locations (detail) *Are any portions of the system(s) in Class 3 or Class 4 locations?*
(SRN.MULTI.CLASS34.S) (detail)

SI	PAC	NIC	NA

Notes

16. Repairs (detail) *Discussion of Anomaly repairs.* (SRN.MULTI.REPAIR.S) (detail)

SI	PAC	NIC	NA

Notes

17. Special Permits or Waivers (detail) *Does the operator have any waivers or special permits?*
(SRN.MULTI.SPWAIVER.S) (detail)

SI	PAC	NIC	NA

Notes

18. New Facilities or Components (detail) *Have any new facilities or components been constructed/added within the last three years?* (SRN.MULTI.NEWFACILITIES.S) (detail)

SI	PAC	NIC	NA

Notes

19. Operational Restrictions (detail) *Are there any operational restrictions (for example, reduced operational pressure) that have been put on the system?* (SRN.MULTI.OPERATERESTRICT.S) (detail)

SI	PAC	NIC	NA

Notes

20. CR Simulator (detail) *Is a simulator used to perform control center training?* (SRN.MULTI.SIMULATOR.S) (detail)

SI	PAC	NIC	NA

Notes

21. Facilities (detail) *Discussion of Pipeline Facilities within the System.* (SRN.MULTI.FACILITIES.S) (detail)

SI	PAC	NIC	NA

Notes

22. Vaults (detail) *Are there any vaults that have a volumetric internal content of 200 cubic feet (5.66 cubic meters) or more?* (SRN.MULTI.VAULT.S) (detail)

SI	PAC	NIC	NA

Notes

23. Enforcement (detail) *Discussion of Enforcement* (SRN.MULTI.ENFORCEMENT.S) (detail)

SI	PAC	NIC	NA

Notes

24. Accident/Incident Reports (detail) *Discussion of accident/incidents reports.*
(SRN.MULTI.ACCIDENTREPORT.S) (detail)

SI	PAC	NIC	NA

Notes

25. Grandfathered Facilities (detail) *Are there any facilities grandfathered under various code requirements?* (SRN.MULTI.GRANDFATHER.S) (detail)

SI	PAC	NIC	NA

Notes

26. Post-Accident Revisions (detail) *Have any procedures been revised due to deficiencies identified during a post-accident analysis?* (SRN.MULTI.POSTACCIDENTMOC.S) (detail)

SI	PAC	NIC	NA

Notes

27. Welders (detail) *Does the operator have in-house/company welders or are contractor welders used?*
(SRN.MULTI.WELDERS.S) (detail)

SI	PAC	NIC	NA

Notes

28. IM Plan Management and Implementation (detail) *Is there a single IM Plan and Program for all facilities?* (SRN.MULTI.IMPLAN.S) (detail)

SI	PAC	NIC	NA

Notes

29. O&M Plan Management and Implementation (detail) *Is there a single O&M Plan and Program for all facilities?* (SRN.MULTI.OMPLAN.S) (detail)

SI	PAC	NIC	NA

Notes

30. Alternative MAOP (detail) *Are any pipelines operating under the alternative MAOP regulation?* (SRN.MULTI.AMAOP.S) (detail)

SI	PAC	NIC	NA

Notes

31. Re-Coating Projects (detail) *Are any pipeline re-coating project activities scheduled to occur within the next 6 months?* (SRN.MULTI.RECOAT.S) (detail)

SI	PAC	NIC	NA

Notes

Screening - Public Awareness and Damage Prevention

0. SRN.PD Submodule Summary Result (detail) *Submodule Summary* (SRN.PD.SUMMARY.S) (detail)

SI	PAC	NIC	NA

Notes

1. Public Awareness (detail) *Discussion of the overall Public Awareness Program.* (SRN.PD.PAPROGRAM.S) (detail)

SI	PAC	NIC	NA

Notes

2. One Call Process (detail) *Are One-Call tickets handled in one centralized location or in some other manner?*
(SRN.PD.ONECALLPROCESS.S) (detail)

SI	PAC	NIC	NA

Notes

3. One Call Response (detail) *Does a group respond to One-Call requests or is the function handled by many different individuals?* (SRN.PD.ONECALLRESPOND.S) (detail)

SI	PAC	NIC	NA

Notes

4. Program Requirements (detail) *What CGA Best Practices are not followed?* (SRN.PD.CGA.S) (detail)

SI	PAC	NIC	NA

Notes

5. Patrolling Inspection (detail) *Who performs the aerial patrols, contractors or company personnel?*
(SRN.PD.PATROLCONTRACT.S) (detail)

SI	PAC	NIC	NA

Notes

6. Population Growth (detail) *Where are the areas of fastest growth (population/infrastructure)?*
(SRN.PD.POPGROWTH.S) (detail)

SI	PAC	NIC	NA

Notes

7. Public Awareness and Damage Prevention Interface (detail) *How have the public awareness and damage prevention programs been interfaced?* (SRN.PD.PADPINTERFACE.S) (detail)

SI	PAC	NIC	NA

Notes

8. Damage Prevention Program - Follow Up (detail) *Do you have a program to track and follow up with Third Party offenders?* (SRN.PD.TPDFOLLOWUP.S) (detail)

SI	PAC	NIC	NA

Notes

9. ROW Inspection Requirements (detail) *Are ROW activities managed by contractors or by company personnel?* (SRN.PD.ROWCONTRACT.S) (detail)

SI	PAC	NIC	NA

Notes

10. Excavation Event Analysis and Feedback (detail) *How are excavation related events analyzed and the findings incorporated back into the Public Awareness and Damage Prevention programs?* (SRN.PD.PADPEXCAVATION.S) (detail)

SI	PAC	NIC	NA

Notes

Screening - Time-Dependent Threats

0. SRN.TD Submodule Summary Result (detail) *Submodule Summary* (SRN.TD.SUMMARY.S) (detail)

SI	PAC	NIC	NA

Notes

1. Buried Pipelines with no Cathodic Protection (typically bare pipelines) (detail) *Are there any bare pipelines that are not protected from external corrosion with cathodic protection?* (SRN.TD.BAREPIPENOCP.S) (detail)

SI	PAC	NIC	NA

Notes

2. Corrosion Control Monitoring (detail) *Are any Corrosion Control activities being performed during this inspection?* (SRN.TD.CORROSIONCNTRL.S) (detail)

SI	PAC	NIC	NA

Notes

3. Cathodic Protection Current Sources (detail) *What types of current sources are used?* (SRN.TD.CPCURRENT.S) (detail)

SI	PAC	NIC	NA

Notes

4. Cathodic Protection (detail) *Does the operator utilize a single criteria for all of their pipeline systems?* (SRN.TD.CPCRITERIA.S) (detail)

SI	PAC	NIC	NA

Notes

5. Cathodic Protection Monitoring Impractical (detail) *Are there any separately protected short sections of mains or transmission line, not in excess of 100 feet for which monitoring CP once each calendar year not to exceed 15 months is impractical?* (SRN.TD.CPSEPARATE.S) (detail)

SI	PAC	NIC	NA

Notes

6. Atmospheric Corrosion (detail) *Discussion of Atmospheric Corrosion Control Program* (SRN.TD.ATMCORRODE.S) (detail)

SI	PAC	NIC	NA

Notes

7. External Corrosion (detail) *Discussion of External Corrosion Control Program* (SRN.TD.EXTCORROSION.S) (detail)

SI	PAC	NIC	NA

Notes

8. Internal Corrosion (detail) *Discussion of Internal Corrosion Control Program* (SRN.TD.INTCORROSION.S) (detail)

SI	PAC	NIC	NA

Notes

9. Stress Corrosion Cracking (detail) *Discussion of SCC Program* (SRN.TD.SCC.S) (detail)

SI	PAC	NIC	NA

Notes

10. Aluminum Metal (detail) *Is there any amphoteric metal (aluminum) included in a submerged or buried pipeline system?* (SRN.TD.AMPHOTERIC.S) (detail)

SI	PAC	NIC	NA

Notes

11. Gas Holders (detail) *Are bottle type or pipe type holders used?* (SRN.TD.HOLDER.S) (detail)

SI	PAC	NIC	NA

Notes

12. Cast Iron and Ductile Iron (detail) *Are there any cast iron or ductile iron pipelines?* (SRN.TD.CASTDUCTILE.S) (detail)

SI	PAC	NIC	NA

Notes

13. Cathodic Protection Projects (detail) *Have you completed any projects related to corrosion control in the past 3 years?* (SRN.TD.CPPROJECT.S) (detail)

SI	PAC	NIC	NA

Notes

Time-Dependent Threats - Alternative MAOP

1. Alternative MAOP - Internal Corrosion (detail) *Is there a process for controlling internal corrosion on pipelines that may operate under the Alternative Maximum Operating Pressure rule?* (TD.AMP.AMAOP.P) (detail)

192.605(b)(2) (192.620(d)(5))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Alternative MAOP - Internal Corrosion (detail) *Do records document that the operator is following a process for controlling internal corrosion on pipelines they may operate under the Alternative Maximum Operating Pressure rule?* (TD.AMP.AMAOP.R) (detail)

192.709(c) (192.620(d)(5))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Alternative MAOP - Internal Corrosion (detail) *Is the process being followed for controlling internal corrosion on pipelines operated under the Alternative Maximum Operating Pressure rule? (TD.AMP.AMAOP.O) (detail)*

192.620(d)(5)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Alternative MAOP - Interference Currents (detail) *Does the process include (prior to operating an existing pipeline segment at an alternate maximum allowable operating pressure, or within six months after placing a new pipeline segment in service at an alternate maximum allowable operating pressure) required instructions for addressing any interference currents on the pipeline segment? (TD.AMP.AMAOPINTFRCURRENT.P) (detail)*

192.605(b)(2) (192.620(d)(6))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Alternative MAOP - Interference Currents (detail) *Do records document that actions taken (prior to operating an existing pipeline segment at an alternate maximum allowable operating pressure, or within six months after placing a new pipeline segment in service at an alternate maximum allowable operating pressure) have been adequate in addressing any interference currents on the pipeline segment? (TD.AMP.AMAOPINTFRCURRENT.R) (detail)*

192.709(c) (192.620(d)(6))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Alternative MAOP - Indirect Method (detail) *Does the process require that within six months after placing the cathodic protection of a new pipeline segment in operation, or within six months after an existing pipeline segment under Part 192 has been certified under the Alternative Maximum Operating Pressure rule, that adequacy be assessed of the indirect method such as close-interval survey, and the integrity of the coating using direct current voltage gradient (DCVG) or alternating current voltage gradient (ACVG)? (TD.AMP.AMAOPINDIRECT.P) (detail)*

192.605(b)(2) (192.620(d)(7))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Alternative MAOP - Indirect Method (detail) *Do records document that within six months after placing the cathodic protection of a new pipeline segment in operation, or within six months after an existing pipeline segment under Part 192 has been certified under the Alternative Maximum Operating Pressure rule, that adequacy was assessed of the indirect method such as close-interval survey, and the integrity of the coating using direct current voltage gradient (DCVG) or alternating current voltage gradient (ACVG)? (TD.AMP.AMAOPINDIRECT.R) (detail)*

192.709(c) (192.620(d)(7))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Alternative MAOP - Test Reading (detail) *Does the process for a pipeline segment operating at an alternate maximum allowable operating pressure require:*Completion of remedial action within six months of a failed reading at a test station during annual monitoring;*Or notification of each responsible pipeline safety party demonstrating that the integrity of the pipeline is not compromised;*And after completion of the remedial action to address a failed reading, confirm restoration of adequate corrosion control by a close interval survey on either side of the affected test station to the next test station? (TD.AMP.AMAOPTESTREAD.P) (detail)*

192.605(b)(2) (192.620(d)(8))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Alternative MAOP - Test Reading (detail) *Do records document that for a pipeline segment operating at an alternate maximum allowable operating pressure the following;*Completion of remedial action within six months of a failed reading at a test station during annual monitoring;*Or notification of each responsible pipeline safety party demonstrating that the integrity of the pipeline is not compromised and;*And after completion of the remedial action to address a failed reading, confirm restoration of adequate corrosion control by a close interval survey on either side of the affected test station to the next test station? (TD.AMP.AMAOPTESTREAD.R) (detail)*

192.709(c) (192.620(d)(8))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - External Corrosion - Atmospheric

1. Atmospheric Corrosion (detail) *Does the process give adequate guidance for protecting above ground pipe from atmospheric corrosion? (TD.ATM.ATMCORRODE.P) (detail)*

192.605(b)(2) (192.479(a); 192.479(b); 192.479(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Atmospheric Corrosion (confirm) *Do records document the protection of above ground pipe from atmospheric corrosion?* (TD.ATM.ATMCORRODE.R) (confirm)

192.491(c) (192.479(a); 192.479(b); 192.479(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Atmospheric Corrosion Monitoring (detail) *Does the process give adequate instruction for the inspection of aboveground pipeline segments for atmospheric corrosion?* (TD.ATM.ATMCORRODEINSP.P) (detail)

192.605(b)(2) (192.481(a); 192.481(b); 192.481(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Atmospheric Corrosion Monitoring (confirm) *Do records document inspection of aboveground pipe for atmospheric corrosion?* (TD.ATM.ATMCORRODEINSP.R) (confirm)

192.491(c) (192.481(a); 192.481(b); 192.481(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Atmospheric Corrosion Monitoring (detail) (presented above) *Is pipe that is exposed to atmospheric corrosion protected?* (TD.ATM.ATMCORRODEINSP.O) (detail)

192.481(b) (192.481(c); 192.479(a); 192.479(b); 192.479(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Storage Field Atmospheric Corrosion Monitoring (detail) *Is aboveground pipe located in storage fields checked for indications of atmospheric corrosion?* (TD.ATM.STORAGEATM.O) (detail)

192.481(b) (192.481(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - External Corrosion - CP Monitoring

1. Cathodic Protection Monitoring Criteria (detail) *Does the process require CP monitoring criteria to be used that is acceptable?* (TD.CPMONITOR.MONITORCRITERIA.P) (detail)

192.605(b)(2) (192.463(a); 192.463(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Cathodic Protection Monitoring Criteria (detail) *Do records document that the CP monitoring criteria used was acceptable?* (TD.CPMONITOR.MONITORCRITERIA.R) (detail)

192.491(c) (192.463(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Cathodic Protection Monitoring Criteria (confirm) *Are methods used for taking CP monitoring readings that allow for the application of appropriate CP monitoring criteria?* (TD.CPMONITOR.MONITORCRITERIA.O) (confirm)

192.463(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Cathodic Protection Monitoring (detail) *Does the process adequately describe how to monitor CP that has been applied to pipelines?* (TD.CPMONITOR.TEST.P) (detail)

192.605(b)(2) (192.465(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Cathodic Protection Monitoring (detail) *Do records adequately document cathodic protection monitoring tests have occurred as required?* (TD.CPMONITOR.TEST.R) (detail)

192.491(c) (192.465(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Rectifiers or other Impressed Current Sources (detail) *Does the process give sufficient details for making electrical checks of rectifiers or impressed current sources?* (TD.CPMONITOR.CURRENTTEST.P) (detail)

192.605(b)(2) (192.465(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Rectifier or other Impressed Current Sources (confirm) *Do records document details of electrical checks of sources of rectifiers or other impressed current sources?* (TD.CPMONITOR.CURRENTTEST.R) (confirm)

192.491(c) (192.465(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Rectifier or other Impressed Current Sources (confirm) (presented above) *Are impressed current sources properly maintained and are they functioning properly?* (TD.CPMONITOR.CURRENTTEST.O) (confirm)

192.465(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Bonds, Diodes, and Reverse Current Switches (detail) *Does the process give sufficient details for making electrical checks of interference bonds, diodes, and reverse current switches?* (TD.CPMONITOR.REVCURRENTTEST.P) (detail)

192.605(b)(2) (192.465(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Bonds, Diodes and Reverse Current Switches (confirm) *Do records document details of electrical checks interference bonds, diodes, and reverse current switches?* (TD.CPMONITOR.REVCURRENTTEST.R) (confirm)

192.491(c) (192.465(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Bonds, Diodes and Reverse Current Switches (confirm) *Are interference bonds, diodes, and reverse current switches properly maintained and are they functioning properly?* (TD.CPMONITOR.REVCURRENTTEST.O) (confirm)

192.465(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Correction of Corrosion Control Deficiencies (detail) *Does the process require that the operator correct any identified deficiencies in corrosion control?* (TD.CPMONITOR.DEFICIENCY.P) (detail)

192.605(b)(2) (192.465(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Correction of Corrosion Control Deficiencies (confirm) *Do records adequately document actions taken to correct any identified deficiencies in corrosion control?* (TD.CPMONITOR.DEFICIENCY.R) (confirm)

192.491(c) (192.465(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Test Leads Installation (detail) *Does the process provide adequate instructions for the installation of test leads?* (TD.CPMONITOR.TESTLEAD.P) (detail)

192.605(b)(2) (192.471(a); 192.471(b); 192.471(c); 192.469)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Test Leads Installation (detail) *Do records document that pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I?* (TD.CPMONITOR.TESTLEAD.R) (detail)

192.491(c) (192.471(a); 192.471(b); 192.471(c); 192.469)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Test Leads Installation (confirm) (presented above) *Do pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I?* (TD.CPMONITOR.TESTLEAD.O) (confirm)

192.471(a) (192.471(b); 192.471(c); 192.469)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Interference Currents (detail) *Does the process give sufficient guidance and detail for identifying areas of potential stray current so the detrimental effects of stray currents can be minimized through a continuing program?* (TD.CPMONITOR.INTFRCURRENT.P) (detail)

192.605(b)(2) (192.473(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Interference Currents (confirm) *Do records document that the operator has minimized the detrimental effects of stray currents when found?* (TD.CPMONITOR.INTFRCURRENT.R) (confirm)

192.491(c) (192.473(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Interference Currents (confirm) (presented above) *Are areas of potential stray current identified, and if found, the detrimental effects of stray currents minimized?* (TD.CPMONITOR.INTFRCURRENT.O) (confirm)

192.473(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Corrosion Control Records (detail) *Does the process include records requirements for the corrosion control activities listed in 192.491?* (TD.CPMONITOR.RECORDS.P) (detail)

192.605(b)(2) (192.491(a); 192.491(b); 192.491(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Corrosion Control Records (detail) *Do records indicate the location of all items listed in 192.491(a)?*
(TD.CPMONITOR.RECORDS.R) (detail)

192.491(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - External Corrosion - Cathodic Protection

1. Cathodic Protection post July 1971 (detail) *Does the process require that each buried or submerged pipeline installed after July 31, 1971, be protected against external corrosion with a cathodic protection system within 1 year after completion of construction, conversion to service, or becoming jurisdictional onshore gathering?* (TD.CP.POST1971.P) (detail)

192.605(b)(2) (192.455(a); 192.457(a); 192.452(a); 192.452(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Cathodic Protection post July 1971 (confirm) *Do records document that each buried or submerged pipeline installed after July 31, 1971, has been protected against external corrosion with a cathodic protection system within 1 year after completion of construction, conversion to service, or becoming jurisdictional onshore gathering?* (TD.CP.POST1971.R) (confirm)

192.491(c) (192.455(a); 192.457(a); 192.452(a); 192.452(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Cathodic Protection pre August 1971 (detail) *Does the process require that pipelines installed before August 1, 1971 (except for cast and ductile iron lines) which are 1) bare or ineffectively coated transmission lines or 2) bare or coated pipes in compressor, regulator or meter stations must be cathodically protected in areas where active corrosion is found in accordance with Subpart I or Part 192?* (TD.CP.PRE1971.P) (detail)

192.605(b)(2) (192.457(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Cathodic Protection pre August 1971 (confirm) *Do records document that pipelines installed before August 1, 1971 (except for cast and ductile iron lines) which are 1) bare or ineffectively coated transmission lines or 2) bare or coated pipes in compressor, regulator or meter stations have been cathodically protected in areas where active corrosion was found in accordance with Subpart I or Part 192? (TD.CP.PRE1971.R) (confirm)*

192.491(c) (192.457(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Cathodic Protection of Underground Piping (detail) *Are bare or coated pipes in compressor, regulator or meter stations installed before August 1, 1971 (except for cast and ductile iron lines) cathodically protected in areas where active corrosion was found in accordance with Subpart I or Part 192? (TD.CP.PRE1971.O) (detail)*

192.457(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Use of Aluminum (detail) *Does the process give adequate guidance for the installation of aluminum in a submerged or buried pipeline? (TD.CP.ALUMINUM.P) (detail)*

192.605(b)(2) (192.455(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Use of Aluminum (detail) *Do records support the installation of aluminum when it was installed in a submerged or buried pipeline? (TD.CP.ALUMINUM.R) (detail)*

192.491(c) (192.455(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Cathodic Protection of Amphoteric Metals (detail) *Does the process describe criteria to be used for cathodic protection of amphoteric metals (aluminum) that are included in a steel pipeline? (TD.CP.AMPHOTERIC.P) (detail)*

192.605(b)(2) (192.463(b); 192.463(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Cathodic Protection of Amphoteric Metals (detail) *Do records document adequate cathodic protection of amphoteric metals (aluminum) that are included in a steel pipeline?* (TD.CP.AMPHOTERIC.R) (detail)

192.491(c) (192.463(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Unprotected Buried Pipelines (typically bare pipelines) (detail) *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)

192.605(b)(2) (192.465(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Unprotected Buried Pipelines (typically bare pipelines) (detail) *Do records adequately document the re-evaluation of buried pipelines with no cathodic protection for areas of active corrosion?* (TD.CP.UNPROTECT.R) (detail)

192.491(c) (192.465(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Isolation from Other Metallic Structures (detail) *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.ELECISOLATE.P) (detail)

192.605(b)(2) (192.467(a); 192.467(b); 192.467(c); 192.467(d); 192.467(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Isolation from Other Metallic Structures (confirm) *Do records adequately document 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.ELECISOLATE.R) (confirm)

192.491(c) (192.467(a); 192.467(b); 192.467(c); 192.467(d); 192.467(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Isolation from Other Metallic Structures (confirm) (presented above) *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.ELECISOLATE.O) (confirm)

192.467(a) (192.467(b); 192.467(c); 192.467(d); 192.467(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Protection from Fault Currents (detail) *Does the process give sufficient guidance for determining when protection against damage from fault currents or lightning is needed and how that protection must be installed?* (TD.CP.FAULTCURRENT.P) (detail)

192.605(b)(2) (192.467(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Protection from Fault Currents (confirm) *Do records adequately document the installation and inspection of fault current and lightning protection?* (TD.CP.FAULTCURRENT.R) (confirm)

192.491(c) (192.467(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Protection from Fault Currents (detail) *Are fault current and lightning protection for the pipeline installed and inspected?* (TD.CP.FAULTCURRENT.O) (detail)

192.467(f)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Impressed Current or Galvanic Anode Systems (detail) *Does the process instruct how impressed current type cathodic protection systems and galvanic anode systems must be designed and installed so as to minimize any adverse effect on existing adjacent underground metallic structures?* (TD.CP.ADJACENTMETAL.P) (detail)

192.605(b)(2) (192.473(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Impressed Current or Galvanic Anode Systems (confirm) *Do records document how impressed current type cathodic protection systems and galvanic anode systems have been designed and installed so as to minimize any adverse effect on existing adjacent underground metallic structures?* (TD.CP.ADJACENTMETAL.R) (confirm)

192.491(c) (192.473(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Graphitization of Cast Iron and Ductile Iron (detail) *Does the process give adequate guidance for remediation of graphitization of cast iron or ductile iron pipe?* (TD.CP.GRAPHITIZE.P) (detail)

192.605(b)(2) (192.489(a); 192.489(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Graphitization of Cast Iron and Ductile Iron (detail) *Do records document remediation of graphitization of cast iron or ductile iron pipe?* (TD.CP.GRAPHITIZE.R) (detail)

192.491(c) (192.489(a); 192.489(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

22. Corrosion Control Records (detail) *Does the process include records requirements for the corrosion control activities listed in 192.491?* (TD.CP.RECORDS.P) (detail)

192.605(b)(2) (192.491(a); 192.491(b); 192.491(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

23. Corrosion Control Records (detail) *Do records indicate the location of all items listed in 192.491(a)?* (TD.CP.RECORDS.R) (detail)

192.491(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - External Corrosion - Coatings

1. New Buried Pipe Coating (detail) *Does the process require that each buried or submerged pipeline installed after July 31, 1971, be protected against external corrosion with an adequate coating unless exempted by 192.455(b)?* (TD.COAT.NEWPIPE.P) (detail)

192.605(b)(2) (192.455(a)(1); 192.461(a); 192.461(b); 192.483(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. New Buried Pipe Coating (detail) *Do records document that each buried or submerged pipeline installed after July 31, 1971, has been protected against external corrosion with an adequate coating unless exempted under 192.455(b)?* (TD.COAT.NEWPIPE.R) (detail)

192.491(c) (192.455(a)(1); 192.461(a); 192.461(b); 192.483(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. New Buried Pipe w/o Coating (detail) *If a buried or submerged pipeline installed after July 31, 1971 was not installed with an external protective coating do records provide adequate documentation why such a coating was not necessary to protect the pipe from external corrosion?* (TD.COAT.NEWPIPENOCOAT.R) (detail)

192.491(c) (192.455(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Conversion to Service - Pipe Coating (detail) *Does the process require that each buried or submerged pipeline that has been converted to gas service and was installed after July 31, 1971, be protected against external corrosion with an adequate coating unless exempted by 192.455(b)?* (TD.COAT.CONVERTPIPE.P) (detail)

192.605(b)(2) (192.452(a); 192.455(a)(1); 192.455(a)(2); 192.455(b); 192.461(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Conversion to Service - Pipe Coating (detail) *Do records document that each buried or submerged pipeline that has been converted to gas service and was installed after July 31, 1971, has been protected against external corrosion with an adequate coating unless exempted under 192.455(b)? (TD.COAT.CONVERTPIPE.R) (detail)*

192.491(c) (192.452(a); 192.455(a)(1); 192.455(a)(2); 192.455(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Conversion to Service - Pipe Without Coating (detail) *If a buried or submerged pipeline installed after July 31, 1971 that has been converted to gas service was not installed with an external protective coating do records provide adequate documentation why such a coating was not necessary to protect the pipe from external corrosion? (TD.COAT.CONVERTPIPENOCOAT.R) (detail)*

192.491(c) (192.452(a); 192.455(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. New Buried Pipe Coating Installation (detail) *Does the process give adequate guidance for the inspection and installation of protective coatings on pipe? (TD.COAT.NEWPIPEINSTALL.P) (detail)*

192.605(b)(2) (192.461(c); 192.461(d); 192.461(e); 192.483(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. New Buried Pipe Coating Installation (detail) *Do records document that each external protective coating has been installed and inspected adequately? (TD.COAT.NEWPIPEINSTALL.R) (detail)*

192.491(c) (192.461(c); 192.461(d); 192.461(e); 192.483(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. New Buried Pipe Coating Installation (detail) *Do records adequately document that coating meets the requirements of external corrosion control protective coatings? (TD.COAT.NEWPIPECOATREQT.R) (detail)*

192.491(c) (192.461(a); 192.461(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Exposed Pipe Coating (detail) *Does the process require that the existing coating be evaluated whenever buried pipe is exposed?* (TD.COAT.EXPOSEINSPECT.P) (detail)

192.605(b)(2) (192.459)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Exposed Pipe Coating (confirm) *Do records show that exposed buried pipe coating was inspected to determine if it is deteriorating?* (TD.COAT.EXPOSEINSPECT.R) (confirm)

192.491(c) (192.459)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	Concern	Unsat	NA	NC

Notes

13. Exposed Pipe Coating Repair (detail) *Does the process require that deteriorated coating be repaired when found on exposed buried pipe?* (TD.COAT.EXPOSEREPAIR.P) (detail)

192.605(b)(2) (192.455(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - External Corrosion - Exposed Pipe

1. Examination of Exposed Portions of Buried Pipe (detail) *Does the process require that exposed portions of buried pipeline must be examined for external corrosion?* (TD.CPEXPOSED.EXPOSEINSPECT.P) (detail)

192.605(b)(2) (192.459)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

192.605(b)(2) (192.459)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

192.491(c) (192.459)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Examination of Exposed Portions of Buried Pipe (detail) *Is exposed buried piping examined for corrosion?* (TD.CPEXPOSED.EXPOSEINSPECT.O) (detail)

192.459	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

192.605(b)(2) (192.485(a); 192.485(b); 192.485(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Evaluation of Externally Corroded Pipe (confirm) *Do records document adequate evaluation of externally corroded pipe?* (TD.CPEXPOSED.EXTCORRODEEVAL.R) (confirm)

192.491(c) (192.485(a); 192.485(b); 192.485(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Repair of Externally Corroded Pipe (detail) *Does the process give sufficient guidance for personnel to repair or replace pipe that is externally corroded to an extent that there is not sufficient remaining strength in the pipe wall?* (TD.CPEXPOSED.EXTCORRODREPAIR.P) (detail)

192.605(b)(2) (192.485(a); 192.485(b); 192.485(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Repair of Externally Corroded Pipe (confirm) *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.EXTCORRODREPAIR.R) (confirm)

192.491(c) (192.485(a); 192.485(b); 192.485(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Corrosion Control Records (detail) *Does the process include records requirements for the corrosion control activities listed in 192.491?* (TD.CPEXPOSED.RECORDS.P) (detail)

192.605(b)(2) (192.491(a); 192.491(b); 192.491(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Corrosion Control Records (detail) *Do records indicate the location of all items listed in 192.491(a)?* (TD.CPEXPOSED.RECORDS.R) (detail)

192.491(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - Internal Corrosion - Preventive Measures

1. Internal Corrosion (detail) *If the process does not preclude corrosive gas to be transported by pipeline, does the process also require that the corrosive effect of the gas on the pipeline be investigated and steps be taken to minimize internal corrosion? (TD.ICP.CORRGAS.P) (detail)*

192.605(b)(2) (192.475(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Internal Corrosion (confirm) *Do records document if corrosive gas is being transported by pipeline, including the investigation of the corrosive effect of the gas on the pipeline and steps that have been taken to minimize internal corrosion? (TD.ICP.CORRGAS.R) (confirm)*

192.491(c) (192.475(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Internal Corrosion Corrosive Gas Prevention (detail) *If the process does not allow the transportation of corrosive gas, is guidance provided how the transportation of corrosive gas will be prevented? (TD.ICP.CORRGASPRVNT.P) (detail)*

192.605(b)(2) (192.475(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Internal Corrosion Corrosive Gas Prevention (detail) *If the transportation of corrosive gas is not allowed, then do records document actions taken to prevent the transportation of corrosive gas? (TD.ICP.CORRGASPRVNT.R) (detail)*

192.491(c) (192.475(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Internal Corrosion Corrosive Gas Prevention (confirm) *If the transportation of corrosive gas is not allowed, is the transportation of corrosive gas prevented?* (TD.ICP.CORRGASPRVNT.O) (confirm)

192.475(a)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Internal Corrosion Corrosive Gas Actions (detail) *Does the process give adequate direction for actions to be taken if corrosive gas is being transported by pipeline?* (TD.ICP.CORRGASACTION.P) (detail)

192.605(b)(2) (192.477)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Internal Corrosion Corrosive Gas Actions (confirm) *Do records document the actions taken when corrosive gas is being transported by pipeline?* (TD.ICP.CORRGASACTION.R) (confirm)

192.491(c) (192.477)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Internal Corrosion Corrosive Gas Actions (confirm) *Are adequate actions taken when corrosive gas is being transported by pipeline?* (TD.ICP.CORRGASACTION.O) (confirm)

192.477	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Internal Corrosion in Removed Pipe (detail) *Does the process direct personnel to examine removed pipe for evidence of internal corrosion?* (TD.ICP.EXAMINE.P) (detail)

192.605(b)(2) (192.475(a); 192.475(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Internal Corrosion in Removed Pipe (confirm) *Do records document examination of removed pipe for evidence of internal corrosion?* (TD.ICP.EXAMINE.R) (confirm)

192.491(c) (192.475(a); 192.475(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Internal Corrosion in Removed Pipe (detail) *Is removed pipe examined for evidence of internal corrosion?* (TD.ICP.EXAMINE.O) (detail)

192.475(a) (192.475(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Evaluation of Internally Corroded Pipe (detail) *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)

192.605(b)(2) (192.485(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Evaluation of Internally Corroded Pipe (confirm) *Do records document adequate evaluation of internally corroded pipe?* (TD.ICP.EVALUATE.R) (confirm)

192.491(c) (192.485(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Repair of Internally Corroded Pipe (detail) *Does the process give sufficient guidance for personnel to repair or replace pipe that has internally corroded to an extent that there is no longer sufficient remaining strength in the pipe wall?* (TD.ICP.REPAIR.P) (detail)

192.491(c) (192.485(a); 192.485(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Repair of Internally Corroded Pipe (confirm) *Do records document the repair or replacement of pipe that has been internally corroded to an extent that there is not sufficient remaining strength in the pipe wall? (TD.ICP.REPAIR.R) (confirm)*

192.485(a) (192.485(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Bottle Type and Pipe Type Holders (detail) *Does the process preclude storing gas containing more than 0.25 grain of hydrogen sulfide per 100 standard cubic feet (5.8 milligrams/m3) at standard conditions (4 parts per million) in pipe-type or bottle-type holders? (TD.ICP.PIPEBOTTLE.P) (detail)*

192.605(b)(2) (192.475(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - Special Permits

1. Special Permit (detail) *Has a process been developed as necessary for complying with the special permit conditions? (TD.SP.CONDITIONS.P) (detail)*

190.341(d)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Special Permit (detail) *Do records demonstrate compliance with all special permit or waiver requirements? (TD.SP.CONDITIONS.R) (detail)*

190.341(d)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Special Permit (detail) *Are special permit requirements being complied with?* (TD.SP.CONDITIONS.O) (detail)

190.341(d)(2)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - Stress Corrosion Cracking

1. SCC on HCA Sections (detail) *Does the integrity management program have a process to identify and evaluate stress corrosion cracking threats to each covered pipeline segment?* (TD.SCC.SCCIM.P) (detail)

192.911(c) (192.917(a)(1))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. SCC on HCA Sections (confirm) *Do integrity management program records document results of studies to identify and evaluate stress corrosion cracking threats to each covered pipeline segment?* (TD.SCC.SCCIM.R) (confirm)

192.947(d) (192.917(a)(1))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Remediation of SCC (detail) *Do records document that the operator has properly remediated any occurrences of SCC?* (TD.SCC.SCCREPAIR.R) (detail)

192.709(a) (192.703(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Training and Qualification - OQ Protocol 9

1. Covered Task Performance (detail) (presented above) *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	NC

Notes

2. Qualification Status (detail) (presented above) *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	NC

Notes

3. Abnormal Operating Condition Recognition and Reaction (detail) (presented above) *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	NC

Notes

4. Verification of Qualification (detail) (presented above) *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	NC

Notes

5. Program Inspection Deficiencies (detail) (presented above) *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	NC

Notes

Training and Qualification - Operator Qualification

1. Operator Qualification Plan and Covered Tasks (detail) *Is there an OQ plan that includes covered tasks, and the basis used for identifying covered tasks?* (TQ.OQ.OQPLAN.P) (detail)

192.805(a) (192.801(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Reevaluation Intervals for Covered Tasks (detail) *Does the process establish and justify requirements for reevaluation intervals for each covered task?* (TQ.OQ.REEVALINTERVAL.P) (detail)

192.805(g)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Contractors Adhering to OQ Plan (detail) *Does the process require the OQ plan to be communicated to contractors and ensure that contractors are following the plan?* (TQ.OQ.OQPLANCONTRACTOR.P) (detail)

192.805(b) (192.805(f); 192.805(c))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Contractor and Other Entity Qualification (detail) *Does the process require contractor organizations or other entities that perform covered tasks on behalf of the operator to be qualified?* (TQ.OQ.OQCONTRACTOR.P) (detail)

192.805(b) (192.805(c); 192.855(d); 192.805(e); 192.805(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Contractor Qualification Documentation Meets Operator Requirements (detail) *Do records document the necessary assurance that the procedures on which a qualifying vendor evaluations are based are the same or consistent with those used by operator employees and contractors in the field? (TQ.OQ.CONTRACTOREQUIV.R) (detail)*

192.805(h)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Contractor and Other Entity Qualification (confirm) *Are adequate records maintained for contractor personnel qualifications that contain the required elements? (TQ.OQ.OQCONTRACTOR.R) (confirm)*

192.807(a) (192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Management of Other Entities Performing Covered Tasks (detail) *Do records document evaluation of the other entity (ies) performing covered task(s) on behalf of the operator (e.g., through mutual assistance agreements) prior to performing task? (TQ.OQ.OTHERENTITY.R) (detail)*

192.805(b) (192.805(c); 192.803)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Evaluation Methods (detail) *Are evaluation methods established and documented appropriate to each covered task? (TQ.OQ.EVALMETHOD.P) (detail)*

192.805(b) (192.803; 192.809(d); 192.809(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Evaluation Methods (confirm) *Do records indicate evaluation methods are documented for covered tasks and consistent with personnel qualification records? (TQ.OQ.EVALMETHOD.R) (confirm)*

192.805(b) (192.803; 192.809(d); 192.809(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Abnormal Operating Conditions (detail) *Does the process require: 1) individuals performing covered tasks be qualified to recognize and react to abnormal operating conditions (AOCs), 2) evaluation and qualification of individuals for their capability to recognize and react to AOCs, 3) AOCs identified as those that the individual may reasonably anticipate and appropriately react to during the performance of the covered task, and 4) established provisions for communicating AOCs for the purpose of qualifying individuals? (TQ.OQ.ABNORMAL.P) (detail)*

192.803

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Abnormal Operating Conditions (detail) *Do records document evaluation of qualified individuals for recognition and reaction to AOCs? (TQ.OQ.ABNORMAL.R) (detail)*

192.807(a) (192.807(b); 192.803)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Qualification Records for Personnel Performing Covered Tasks (confirm) *Do records document the evaluation and qualifications of individuals performing covered tasks, and can the qualification of individuals performing covered tasks be verified? (TQ.OQ.RECORDS.R) (confirm)*

192.807

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Planning for Mergers and Acquisitions (Due Diligence re: Acquiring Qualified Individuals) (confirm) *Does the process adequately manage qualifications of individuals performing covered tasks during program integration following a merger or acquisition? (TQ.OQ.MERGERACQ.P) (confirm)*

192.805(b) (192.803)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Training Requirements (Initial, Retraining, and Reevaluation) (detail) *Does the OQ program provide for initial qualification, retraining and reevaluation of individuals performing covered tasks? (TQ.OQ.TRAINING.P) (detail)*

192.805(h)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Training Requirements (Initial, Retraining, and Reevaluation) (confirm) *Does the OQ program provide for initial qualification, retraining and reevaluation of individuals performing covered tasks? (TQ.OQ.TRAINING.R) (confirm)*

192.807(a) (192.807(b); 192.805(h))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Covered Task Performed by Non-Qualified Individual (confirm) *Are there provisions for non-qualified individuals to perform covered tasks while being directed and observed by a qualified individual, and are there restrictions and limitations placed on such activities? (TQ.OQ.NONQUALIFIED.P) (confirm)*

192.805(c)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Personnel Performance Monitoring (detail) *Does the program include provisions to evaluate an individual if there is reason to believe the individual is no longer qualified to perform a covered task based on: covered task performance by an individual contributed to an incident or accident; other factors affecting the performance of covered tasks? (TQ.OQ.PERFMONITOR.P) (detail)*

192.805(d) (192.805(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Personnel Performance Monitoring (detail) *If the operator had an incident/accident where there is reason to believe that an individual contributed to the cause, do records indicate evaluation of the individual following the occurrence? (TQ.OQ.PERFMONITOR.R) (detail)*

192.805(d) (192.805(e))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Operator Qualification Plan and Covered Tasks (confirm) (presented above) *Do individuals performing covered tasks demonstrate adequate skills, knowledge, and ability? (TQ.OQ.OQPLAN.O) (confirm)*

192.805(h)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Management of Changes (confirm) *Does the OQ program identify how changes to procedures, tools standards and other elements used by individuals in performing covered tasks are communicated to the individuals, including contractor individuals, and how these changes are implemented in the evaluation method(s)? (TQ.OQ.MOC.P) (confirm)*

192.805(f)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Notification of Significant Plan Changes (confirm) *Does the process require significant OQ program changes to be identified and the Administrator or State agency notified? (TQ.OQ.CHANGENOTIFY.P) (confirm)*

192.805(i)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

22. Records of OQ Program Changes (confirm) *Are records maintained for changes that affect covered tasks and significant OQ plan changes? (TQ.OQ.CHANGERECORD.R) (confirm)*

192.805(i) (192.805(f))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Training and Qualification - Qualification of Personnel - Specific Requirements

1. Corrosion Control Personnel Qualification (detail) *Does the process require corrosion control procedures to be carried out by, or under the direction of, qualified personnel? (TQ.QU.CORROSION.P) (detail)*

192.453 (192.805(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Corrosion Control Personnel Qualification (detail) *Do records indicate qualification of personnel implementing pipeline corrosion control methods?* (TQ.QU.CORROSION.R) (detail)

192.453 (192.807(a); 192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Qualification of Personnel Tapping Pipelines under Pressure (detail) *Does the process require taps on a pipeline under pressure (hot taps) to be performed by qualified personnel?* (TQ.QU.HOTTAPQUAL.P) (detail)

192.627 (192.805(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Qualification of Personnel Tapping Pipelines under Pressure (detail) *Do records indicate the qualification of personnel performing hot taps?* (TQ.QU.HOTTAPQUAL.R) (detail)

192.627 (192.807(a); 192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	NC

Notes

6. Qualification of Personnel who Oversee and Perform Excavations and Backfilling Operations (detail) *Does the process require individuals who oversee and perform marking, trenching, and backfilling operations be qualified?* (TQ.QU.EXCAVATE.P) (detail)

192.805(b) (ADB-06-01; 192.801; 192.328)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Qualification of Personnel who Oversee and Perform Excavations and Backfilling Operations (detail) *Do records indicate qualification of individuals who oversee marking, trenching, and backfilling operations?* (TQ.QU.EXCAVATE.R) (detail)

192.807(a) (192.807(b); ADB-06-01; 192.801; 192.328)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	NC

Notes

Training and Qualification - Qualification of Personnel - Specific Requirements (IM)

1. Qualification of Personnel for the Integrity Management Program (detail) *Does the process require that operator/vendor personnel (including supervisors and persons responsible for preventive and mitigative measures), who review and evaluate results meet acceptable qualification standards?* (TQ.QUIM.IMREVIEWQUAL.P) (detail)

192.915(a) (192.915(b); 192.915(c); 192.935(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Qualification of Personnel for the Integrity Management Personnel (detail) *Do records indicate adequate qualification of integrity management personnel?* (TQ.QUIM.IMREVIEWQUAL.R) (detail)

192.947(e) (192.915(a); 192.915(b); 192.915(c); 192.935(b); 192.947(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Integrity Management Program Quality Control Plan (detail) *Does the process require personnel who execute IM program activities to be competent and qualified in accordance with the quality control plan?* (TQ.QUIM.IMQC.P) (detail)

192.805(b) (ASME B31.8S-2004, Section 12.2(b)(4))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Training and Qualification - Qualification of Personnel - Specific Requirements (O and M Construction)

1. Qualification of Welding Inspectors (detail) *Does the process require welding inspection personnel to be adequately qualified?* (TQ.QUOMCONST.INSPECTOR.P) (detail)

192.241(a) (192.241(c); 192.805(b); 192.328(a); 192.328(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Qualification of Welding Inspectors (detail) *Do records indicate adequate qualification documentation for personnel who conduct welding inspections?* (TQ.QUOMCONST.INSPECTOR.R) (detail)

192.241(a) (192.241(c); 192.807(a); 192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Qualification of Welders (detail) *Does the process require welders to be qualified in accordance with API 1104 or the ASME Boiler & Pressure Vessel Code?* (TQ.QUOMCONST.WELDER.P) (detail)

192.227(a) (192.225(a); 192.225(b); 192.328(a); 192.328(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Qualification of Welders for Low Stress Pipe (detail) *Does the process require welders who perform welding on low stress pipe on lines that operate at < 20% SMYS to be qualified under Section I of Appendix C to Part 192, and are welders who perform welding on service line connection to a main required to be qualified under Section II of Appendix C to Part 192?* (TQ.QUOMCONST.WELDERLOWSTRESS.P) (detail)

192.227(b) (192.225(a); 192.225(b); 192.805(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Qualification of Welders (detail) *Do records indicate adequate qualification of welders?* (TQ.QUOMCONST.WELDER.R) (detail)

192.227(a) (192.227(b); 192.229(a); 192.229(b); 192.229(c); 192.229(d); 192.328(a); 192.328(b); 192.807(a); 192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	NC

Notes

7. Qualification of Nondestructive Testing Personnel (detail) *Does the process require nondestructive testing of welds performed by personnel trained and qualified in procedures and in use of the testing equipment?* (TQ.QUOMCONST.NDT.P) (detail)

192.243(b)(2) (192.803; 192.805(b); 192.328(a); 192.328(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Qualification of Nondestructive Testing Personnel (detail) *Do records indicate the qualification of nondestructive testing personnel?* (TQ.QUOMCONST.NDT.R) (detail)

192.243(b)(2) (192.807(a); 192.807(b); 192.328(a); 192.328(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	NC

Notes

10. Qualification of Personnel Making Joints in Plastic Pipelines (detail) *Does the process require personnel making joints in plastic pipelines be qualified?* (TQ.QUOMCONST.PLASTIC.P) (detail)

192.285(a) (192.285(d); 192.805(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Qualification of Personnel Inspecting Joints in Plastic Pipelines (detail) *Does the process require that persons who inspect joints in plastic pipes be qualified?* (TQ.QUOMCONST.PLASTICINSPECT.P) (detail)

192.287 (192.805(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Qualification of Personnel Making Joints in Plastic Pipelines (detail) *Do records indicate adequate qualification of personnel making/inspecting joints in plastic pipelines?* (TQ.QUOMCONST.PLASTIC.R) (detail)

192.285(a) (192.285(d); 192.287; 192.807(a); 192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Qualification of Personnel Making Joints in Plastic Pipelines (detail) *Do personnel making/inspecting joints in plastic pipelines demonstrate adequate skills and knowledge?* (TQ.QUOMCONST.PLASTIC.O) (detail)

192.285(a) (192.287; 192.807(a))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

Training and Qualification - Training of Personnel

1. Emergency Response Training (detail) *Does the process require a continuing training program to be in place to effectively instruct emergency response personnel?* (TQ.TR.TRAINING.P) (detail)

192.615(b)(2) (192.805(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Emergency Response Training (detail) *Do records indicate adequate training for emergency response personnel?* (TQ.TR.TRAINING.R) (detail)

192.615(b)(2) (192.807(a); 192.807(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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	NC

Notes

4. Emergency Response Training Performance Review (detail) *Does the process require review of emergency response personnel performance?* (TQ.TR.TRAININGREVIEW.P) (detail)

192.615(b)(3)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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.