

Assessment and Repair - External Corrosion Direct Assessment (ECDA)

1. ECDA Plan (confirm) *Has an ECDA plan and processes been prepared for conducting ECDA?*

(AR.EC.ECDAPLAN.P) (confirm)

195.588(b)(1) (195.588(b)(2); 195.588(b)(3); 195.588(b)(4); 195.588(b)(5))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. ECDA Pre-Assessment (detail) *Do records indicate that the ECDA pre-assessment process complies with NACE SP0502 Section 3 and 195.588?* (AR.EC.ECDAPREASSESS.R) (detail)

195.589(c) (195.588(b)(2))

195.589(c) (195.588(b)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. ECDA Indirect Examination (detail) *Do records indicate that the ECDA indirect examination process complies with NACE SP0502 Section 4 and 195.588?* (AR.EC.ECDAINDIRECT.R) (detail)

195.589(c) (195.588(b)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. ECDA Direct Examination (detail) *Do records indicate that excavations and data collection were performed in accordance with NACE SP0502, Sections 5 and 6.4.2?* (AR.EC.ECDADIRECT.R) (detail)

195.589(c) (195.588(b)(4))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Post Assessment (detail) *Do records indicate that requirements were met for post assessment? (AR.EC.ECDAPOSTASSESS.R) (detail)*

195.589(c) (195.588(b)(5); 195.452(j)(3); 195.452(j)(4))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.588(c) (195.588(b)(4)(iii))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

1. Qualification of Personnel Who Evaluate ILI Results and Information Analysis (detail) *Does the process specify qualification requirements for personnel who review and evaluate ILI assessment results and information analysis? (AR.IL.ILIREVIEWQUAL.P) (detail)*

195.452(f)(8) (195.452(g))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Qualification of Personnel Who Evaluate ILI Results and Information Analysis

(detail) Does the process demonstrate that personnel who review and evaluate ILI assessment results and information analysis are qualified? (AR.IL.ILIREVIEWQUAL.R) (detail)

195.452(l)(1)(ii) (195.452(f)(8); 195.452(g))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Qualification of Personnel Performing ILI (detail) Does the process identify the qualification requirements for personnel who perform ILI covered tasks? (AR.IL.ILIIMPLPERQUAL.P) (detail)

195.505(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Qualification of Personnel Performing ILI (confirm) Do records demonstrate that personnel who perform ILI covered tasks are qualified? (AR.IL.ILIIMPLPERQUAL.R) (confirm)

195.505(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. ILI Specifications (detail) Do processes assure complete and adequate vendor ILI specifications?

(AR.IL.ILISPECS.P) (detail)

195.452(f)(4) (195.452(h))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. IMP Assessment Methods (detail) Do processes specify the assessment methods that are appropriate for the pipeline specific integrity threats? (AR.IL.METHOD.P) (detail)

195.452(f)(5) (195.452(j)(5))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. IMP Assessment Methods (confirm) Are the assessment methods shown in the baseline and/or continual assessment plan appropriate for the pipeline specific integrity threats? (AR.IL.METHOD.R) (confirm)

195.452(l)(1)(ii) (195.452(f)(5); 195.452(j)(5))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. IMP Baseline and/or Continual Assessments Prioritized Assessment Schedule (detail) Does the continual assessment plan include a prioritized schedule in accordance with 195.452 (d) that is based on the risk factors required by 195.452(e)? (AR.IL.ASSESSCHEDULE.P) (detail)

195.452(f)(2) (195.452(c); 195.452(d); 195.452(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.452(l)(1)(ii) (195.452(b)(5); 195.452(c); 195.452(d); 195.452(f)(2); 195.452(f)(5))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Validation of ILI Results (detail) Does the process provide for validating ILI results? (AR.IL.ILIVALIDATE.P) (detail)

195.452(f)(4) (195.452(b)(6))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Validation of ILI Results (confirm) Does a review of records for validating ILI assessment results demonstrate that the process was implemented appropriately? (AR.IL.ILIVALIDATE.R) (confirm)

195.452(l)(1)(ii) (195.452(b)(6))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. ILI Acceptance Criteria (detail) *Were survey acceptance criteria defined to ensure a successful ILI tool run?* (AR.IL.ILIACCEPCRITERIA.P) (detail)

195.452(f)(4) (195.452(j)(5)(i))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. ILI Acceptance Criteria (detail) *Do records demonstrate that the selected ILI tool run met the defined ILI tool run acceptance criteria?* (AR.IL.ILIACCEPCRITERIA.R) (detail)

195.452(l)(1)(ii) (195.452(c)(1)(i)(A))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Quality of ILI Data Analysis (confirm) *Do records demonstrate that the ILI data and other information were adequate to identify anomalies requiring remediation?* (AR.IL.ILIANALYSIS.R) (confirm)

195.452(l)(1)(ii) (195.452(h)(1); 195.452(g))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Integrity Assessments that Were Not performed as Scheduled or Within Required Timeframes (detail) *Do records demonstrate that the performance of integrity assessments had been delayed such that a schedule or required timeframes was exceeded?* (AR.IL.ILIDELAY.R) (detail)

195.452(l)(1)(ii) (195.452(j)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Industry Practices (detail) *Does the process incorporate recognized industry practices, or an acceptable alternative method, in performing ILI integrity assessments?* (AR.IL.ILISTANDARD.P) (detail)

195.452(b)(6)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Industry Practices (detail) *Do records demonstrate that recognized industry practices, or an acceptable alternative method, have been incorporated in performing ILI integrity assessments?* (AR.IL.ILISTANDARD.R) (detail)

195.452(l)(1)(ii) (195.452(b)(6))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.452(b)(5)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Integrity Assessment Via Pressure Test

1. Test Acceptance Criteria and Procedures (detail) *Were test acceptance criteria and process adequate?* (AR.PTI.PRESSTESTACCEP.P) (detail)

195.402(a) (195.304; 195.305; 195.306; 195.307; 195.308)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Quality and Effectiveness of Corrosion Control Program (confirm) *Does the process require that the effectiveness of the corrosion control program be evaluated when using pressure testing as an integrity assessment?* (AR.PTI.PRESSTESTCORR.P) (confirm)

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Quality and Effectiveness of Corrosion Control Program (confirm) *From the review of corrosion control records, was the corrosion control program proven to be effective when pressure testing was the integrity assessment method used?* (AR.PTI.PRESSTESTCORR.R) (confirm)

195.589(c) (195.452(f)(3); 195.452(g)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Integrity Assessment Via Pressure Test - Risk Based Alternative

1. Risk Based Alternative to Pressure Testing (detail) *If applicable per 195.303, is a process in place to review risk classification of piping not hydrostatically tested (Risk Classification A)? (AR.PTIRB.RISKBASEDALT.P) (detail)*

195.303(g)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Risk Based Alternative to Pressure Testing (detail) *If applicable per 195.303, from a review of selected records, has risk classification of piping not hydrostatically tested been reviewed, as required? (AR.PTIRB.RISKBASEDALT.R) (detail)*

195.303(h) (195.303(g))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Other Technology

1. Other Technology Process (confirm) *If "Other Technologies" are used, has a process been developed? (AR.OT.OTPLAN.P) (confirm)*

195.452(f)(5) (195.452(c)(1)(i)(D); 195.452(j)(5)(iv); 195.452(h)(4))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Other Technology Process (detail) *From the review of selected integrity assessments results, do records show the assessments were performed in accordance with procedures and vendor recommendations? (AR.OT.OTPLAN.R) (detail)*

195.452(l)(1)(ii) (195.452(j)(5)(iv); 195.452(f)(5))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

(AR.OT.OTPLAN.O) (confirm)

195.452(j)(5)(iv)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

(AR.OT.OTDEFECTCAT.R) (detail)

195.452(l)(1)(ii) (195.452(f)(4); 195.452(h)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Qualification Requirements for Personnel Reviewing Results of Other Technology

Integrity Assessments (detail) *Does the process specify qualification requirements for personnel who review the results of an integrity assessment and information analysis using Other Technology?* (AR.OT.ASSESSMENTREVIEW.P) (detail)

195.452(f)(8) (195.452(j)(5))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Qualification Requirements for Personnel Reviewing Results of Other Technology

Integrity Assessments (detail) *From the review of the results of selected integrity assessments, were personnel who review the results of an integrity assessment and information analysis using Other Technology qualified?* (AR.OT.ASSESSMENTREVIEW.R) (detail)

195.452(l)(1)(ii) (195.452(f)(8))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Repair Criteria

1. Analysis of Entire Pipeline Integrity when Evaluating the Integrity of each Pipeline

Segment that Can Affect HCAs (detail) *Does the process require the evaluation of all available information about the integrity of the entire pipeline and the consequences of failure when evaluating the integrity of each pipeline segment that can affect an HCA? (AR.RC.INTEGRATION.P) (detail)*

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Analysis of All Available Information When Evaluating the Integrity of each Pipeline

Segment that Can Affect HCAs (confirm) *From the review of the results of ILI and remediation projects, were all available information considered about the integrity of the entire pipeline and consequences of failure when evaluating the integrity of each pipeline segment that can affect an HCA? (AR.RC.INTEGRATION.R) (confirm)*

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Remedial Actions (IM) (detail) *Are anomaly remediation and documentation of remediation adequate?*

(AR.RC.REMEDIATION.O) (detail)

195.452(h) (195.402(a); 195.402(c)(14); 195.422(a); 195.569; 195.589(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Repair Criteria (HCA)

1. Timely Discovery (confirm) *Does the integrity assessment process properly define discovery and the required time frame for anomalies in a pipeline segment that can affect an HCA? (AR.RCHCA.DISCOVERY.P) (confirm)*

Does the integrity assessment process properly define discovery and the required time frame for anomalies in a pipeline segment that can affect an HCA? (AR.RCHCA.DISCOVERY.P) (confirm)

195.452(f)(4) (195.452(h)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.452(h)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Inclusion of All IM Repair Criteria (detail) *Does process have criteria for remedial action to address integrity issues raised by the assessment methods and information analysis? (AR.RCHCA.IMPRC.P) (detail)*

195.452(f)(4) (195.452(h)(4))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Inclusion of All IM Repair Criteria (detail) *Do records demonstrate that prompt action is taken to address all anomalous conditions discovered through the integrity assessment or information analysis? (AR.RCHCA.IMPRC.R) (detail)*

195.452(l)(1)(ii) (195.452(f)(4))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Inclusion of All IM Repair Criteria (detail) *From an observation of a repair, was it remediated in accordance with its categorized repair schedule? (AR.RCHCA.IMPRC.O) (detail)*

195.452(h)(4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. IMP Repair (detail) *Does the process require that repairs be performed in a manner to ensure the integrity of the pipeline until the next scheduled assessment? (AR.RCHCA.IMREPAIR.P) (detail)*

195.452(f)(4) (195.452(h)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Pressure Reduction (confirm) From the review of the results of ILI and remediation projects, was an acceptable pressure reduction promptly taken for each Immediate Repair condition or when a repair schedule could not be met? (AR.RCHCA.PRESSREDUCE.R) (confirm)

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Categorization of Defects (confirm) From the review of the results of integrity assessments and remediation projects, were there any defects that were not properly categorized? (AR.RCHCA.DEFECTCAT.R) (confirm)

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Pressure Reduction (detail) Does the process for pressure reduction meet the code requirements? (AR.RCHCA.PRESSREDUCE.P) (detail)

195.452(f)(4) (195.428; 195.452(h)(1)(i); 195.452(h)(1)(ii))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.452(l)(1)(ii) (195.452.(h)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Repair Criteria (O and M)

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

195.402(c)(3) (195.401(b)(1); 195.422(a); 195.422(b); 195.585(a); 195.585(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Repair Criteria in Non-HCA Segments (detail) *From the review of the results of selected ILI and remediation projects, were conditions repaired that posed a threat to pipeline integrity on segments that do not affect an HCA?* (AR.RCOM.REPAIRNONHCA.R) (detail)

195.404(c) (195.585(a); 195.585(b); 195.422(a); 195.422(b); 195.401(b)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Repair Methods and Practices

1. Safety While Making Repair (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)

195.402(c)(14) (195.422(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.422(a) (195.402(c)(14))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Permissible Repair Methods (confirm) *Does the process identify permissible repair methods for each type of defect?* (AR.RMP.METHOD.P) (confirm)

195.402(c)(3) (195.452(h)(1); 195.585)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Permissible Repair Methods (confirm) *From the review of the results of integrity assessment and remediation projects, were all repairs performed in accordance with procedures and applicable sections of 49 CFR Part 195?* (AR.RMP.METHOD.R) (confirm)

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Qualification of Personnel Performing Pipeline Repair (confirm) *From the review of the results of integrity assessment and remediation projects, were personnel performing repairs, other than welding, qualified for the task they performed?* (AR.RMP.REPAIRQUAL.R) (confirm)

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.422(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Pipe movements (confirm) *From a review of selected records, were pipeline movements performed in accordance with 195.424?* (AR.RMP.PIPEMOVE.R) (confirm)

195.424(a) (195.424(b); 195.424(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Welder Qualification (confirm) *From the review of the results of integrity assessment and remediation projects, were repairs requiring welding performed by qualified welders using qualified welding procedures?* (AR.RMP.WELDERQUAL.R) (confirm)

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Repair of Weld Defects (confirm) *From the review of the results of integrity assessment and remediation projects, were weld defects repaired in accordance with 195.226 or 195.230?* (AR.RMP.WELDQUAL.R) (confirm)

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Inspection of Welds (confirm) *From the review of the results of integrity assessment and remediation projects, were welds inspected and examined in accordance with 195.228 or 195.234?* (AR.RMP.WELDINSPECT.R) (confirm)

195.228(a) (195.228(b); 195.234(a); 195.234(b); 195.234(c); 195.234(d); 195.234(e); 195.452(h)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Crack Repair Criteria (detail) *If cracks, SCC, or crack like features to be a threat on pipeline segments, have criteria been developed for remedial actions to address integrity issues raised by the assessment method?*
 (AR.RMP.CRACKREMEDICATION.P) (detail)

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.452(l)(1)(ii) (195.452(f)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Non-Destructive Examination (NDE) of Pipeline for Cracks, SCC, or Crack Like Features When Exposed for Repair (detail) *Does the process require that when a pipeline segment that meets the conditions for cracks, SCC, or crack like features is exposed an NDE method must be employed to evaluate for cracking?*
 (AR.RMP.CRACKNDE.P) (detail)

195.452(f)(4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Non-Destructive Examination (NDE) of Pipeline for Cracks, SCC, or Crack Like Features When Exposed for Repair (detail) *Do records indicate that when a pipeline segment that meets the conditions for cracks, SCC, or crack like features were exposed an NDE method was employed to evaluate for cracking?*
 (AR.RMP.CRACKNDE.R) (detail)

195.452(l)(1)(ii) (195.452(f)(4); 195.404(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Non-Destructive Testing of Pipeline for Cracks, SCC, or Crack Like Features When Exposed for Repair (detail) *From an observation at an excavation site with suspected cracks, SCC, or crack like features, did the operator's personnel perform an NDE of the segment? (AR.RMP.CRACKNDE.O) (detail)*

195.452(h)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Assessment and Repair - Special Permits

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

190.341(d)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Special Permits - ILI (detail) *If a pipeline is operated 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 - Repair (detail) *If a pipeline is operated under a special permit, has the process 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 - Repair (detail) *If a pipeline is operated 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)

195.446(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.446(a)

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)

195.446(a)

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)

195.446(a)

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)*

195.446(b)(1)

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)*

195.446(b)(1)

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)*

195.446(b)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.446(b)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. 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)*

195.446(b)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.446(b)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.446(b)(2)

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)

195.446(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)

195.446(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)

195.446(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)

195.446(b)(4) (195.446(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)

195.446(b)(4) (195.446(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)

195.446(b)(4) (195.446(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)

195.446(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)

195.446(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)*

195.446(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)*

195.446(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)*

195.446(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)*

195.446(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)

195.446(c)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. SCADA Display Hardware (detail) *Has section 5 of API RP 1165 regarding display hardware been implemented?* (CR.SCADA.DISPLAYHARDWARE.R) (detail)

195.446(c)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. SCADA Display Layout (detail) *Has section 6 of API RP 1165 regarding display layout and organization been implemented?* (CR.SCADA.DISPLAYLAYOUT.R) (detail)

195.446(c)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. SCADA Display Navigation (detail) *Has section 7 of API RP 1165 regarding display navigation been implemented?* (CR.SCADA.DISPLAYNAVIGATION.R) (detail)

195.446(c)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.446(c)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.446(c)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. SCADA Control Selection (detail) *Has section 10 of API RP 1165 control selection and techniques been implemented?* (CR.SCADA.CONTROLSELECTION.R) (detail)

195.446(c)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. SCADA Administration (detail) *Has section 11 of API RP 1165 administration been implemented?* (CR.SCADA.ADMINISTRATION.R) (detail)

195.446(c)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. 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)

195.446(c)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Setpoints (detail) *Does the process adequately define safety-related points?* (CR.SCADA.SETPOINT.P) (detail)

195.446(c)(2) (195.406(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Setpoints (detail) *Do records indicate safety-related points have been adequately implemented?*

(CR.SCADA.SETPOINT.R) (detail)

195.446(c)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. 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)

195.446(c)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Point-to-Point Verification (detail) *Have required point-to-point verifications been performed?*

(CR.SCADA.POINTVERIFY.R) (detail)

195.446(c)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Point-to-Point Verification Extent (detail) *Are there adequate processes for the thoroughness of*

the point-to-point verification? (CR.SCADA.POINTVERIFYEXTENT.P) (detail)

195.446(c)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Point-to-Point Verification Extent (detail) *Do records demonstrate adequate thoroughness of the*

point-to-point verification? (CR.SCADA.POINTVERIFYEXTENT.R) (detail)

195.446(c)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.446(c)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.446(c)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. 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)

195.446(c)(3)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. 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)

195.446(c)(3)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.446(c)(4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.446(c)(4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

24. 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)

195.446(c)(4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

25. 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)

195.446(c)(4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

26. 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)

195.446(c)(4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

27. 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)

195.446(c)(4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

28. 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)

195.446(c)(4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

29. 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)

195.446(c)(4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

30. Overpressure Protection on Pressure Breakout Tanks (detail) Does the process adequately test applicable SCADA controlled overpressure protection devices on pressurized breakout tanks? (CR.SCADA.OVERPRESSTESTBO.P) (detail)

195.428(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

31. Overpressure Protection on Pressure Breakout Tanks (detail) Do records indicate adequate inspection and testing of overpressure protection devices on pressurized breakout tanks? (CR.SCADA.OVERPRESSTESTBO.R) (detail)

195.404(a)(vii) (195.404(c)(3); 195.428(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

32. Overfill Protection (detail) Is an adequate process/procedure in place for testing applicable SCADA controlled overfill protection devices? (CR.SCADA.OVERFILL.P) (detail)

195.428(d) (195.446(b); 195.446(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

33. Overfill Protection (detail) *Do records indicate adequate inspection and testing of overfill protection systems? (CR.SCADA.OVERFILL.R) (detail)*

195.404(a)(vii) (195.404(c)(3); 195.428(d))

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)*

195.446(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)*

195.446(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)*

195.446(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)*

195.446(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)*

195.446(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)*

195.446(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)*

195.446(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)

195.446(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 reduction of the risk associated with controller fatigue? (CR.CRMFM.MAXHOS.P) (detail)

195.446(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)

195.446(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)

195.446(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)

195.446(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)

195.446(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)

195.446(d)(4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.446(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)

195.446(d)(4)

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)

195.446(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)

195.446(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)

195.446(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)

195.446(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)

195.446(d)(2) (195.446(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)

195.446(d)(2) (195.446(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)

195.446(d)(2) (195.446(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)

195.446(d)(2) (195.446(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)

195.446(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)

195.446(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)

195.446(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)

195.446(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)

195.446(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)

195.446(e)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.446(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)

195.446(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)

195.446(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)

195.446(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)

195.446(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)

195.446(e)(3)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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)

195.446(e)(3)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Verification of SCADA Settings (detail) *Do processes require that any calibration or change to field instruments require verification of alarm setpoints and alarm descriptions?* (CR.CRMAM.VERIFICATION.P) (detail)

195.446(e)(3)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. 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)

195.446(e)(4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. 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)

195.446(e)(4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. 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)

195.446(e)(5)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.446(e)(5)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. 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)

195.446(e)(5)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.446(e)(5)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Alarm Deficiency Resolution (detail) *Is there a process to address how deficiencies found in implementing 195.446(e)(1) through 195.446(e)(5) will be resolved?* (CR.CRMAM.DEFICIENCIES.P) (detail)

195.446(e)(6)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Alarm Management Deficiencies (detail) *Do records indicate deficiencies found in implementing 195.446(e)(1) through 195.446(e)(5) have been resolved?* (CR.CRMAM.DEFICIENCIES.R) (detail)

195.446(e)(6)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

CRM, SCADA, and Leak Detection - Change Management

1. Meetings on CRM Changes (detail) *Is there a process to mandate a control room representative will participate in meetings where changes that could directly or indirectly affect control room operations (including routine maintenance and repairs) are being considered, designed and implemented?* (CR.CRMCMGT.CHANGEMEETINGS.P) (detail)

195.446(f)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Training on CRM Changes (detail) *Before implementing changes, do records indicate controllers were provided with notification and training to assure their ability to safely incorporate the proposed change into operations?* (CR.CRMCMGT.CHANGETRaining.R) (detail)

195.446(f)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. 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)

195.446(f)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Change Coordination (detail) *Does the process assure changes in field equipment (for example, moving a valve) that could affect control room operations are coordinated with control room personnel?* (CR.CRMCMGT.CHANGECOORDINATION.P) (detail)

195.446(f)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Change Coordination (detail) Do records indicate that changes in field equipment (for example, moving a valve) that could affect control room operations were coordinated with control room personnel? (CR.CRMCMGT.CHANGECOORDINATION.R) (detail)

195.446(f)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. 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)

195.446(f)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. 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)

195.446(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)

195.446(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)

195.446(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)

195.446(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)

195.446(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)

195.446(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)*

195.446(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)*

195.446(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)*

195.446(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)*

195.446(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)*

195.446(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)

195.446(h)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. 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.R) (detail)

195.446(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)

195.446(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)

195.446(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)

195.446(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)

195.446(h)(5)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Review of Procedures Prior to Use (detail) *Do processes specify that, for pipeline operating setups 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)

195.446(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)

195.446(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)

195.446(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)

195.446(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)

195.446(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)

195.446(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)

195.446(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)

195.446(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.DEVIATIONS.R) (detail)*

195.446(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)*

195.446(g)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Output of CPM System (detail) *What is the output of the CPM System? (CR.LD.CPMOUTPUT.P) (detail)*

195.402(a) (195.446(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Automatic Closed-Loop Control Response to Alarm (detail) *Is automatic closed-loop control response to alarm conditions used? (CR.LD.ALARMLOOP.P) (detail)*

195.402(a) (195.446(c); 195.446(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Requirements for CPM Systems (detail) *If Computational Pipeline Monitoring (CPM) is used, does it comply with guidance in API 1130 requirements in operating, maintaining, testing, record-keeping, and dispatcher training? (CR.LD.CPM.P) (detail)*

195.402(a) (195.444; 195.446(b); 195.446(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Pipeline Controller Training (detail) Are the Pipeline Controllers trained in the recognition of CPM alarms? (CR.LD.CPMTRAINING.P) (detail)

195.444 (API-1130; 195.505(h))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Pipeline Controller Training (detail) Are the Pipeline Controllers trained in the recognition of CPM alarms? (CR.LD.CPMTRAINING.O) (detail)

195.444 (API-1130; 195.505(h))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Alarm Display (detail) Are alarms in compliance with Section 5.3.3 of API 1130? (CR.LD.ALARMDISPLAY.P) (detail)

195.444 (API-1130)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Alarm Credibility (detail) Do alarms conform to API-1130? (CR.LD.ALARMCRED.P) (detail)

195.444 (API-1130; 195.134; 195.446(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. System Testing (detail) Does testing of the LDS conform to API-1130? (CR.LD.LDSTEST.P) (detail)

195.444 (API-1130; 195.134)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Initial System Testing (detail) Does initial testing of the LDS conform to API-1130?

(CR.LD.LDSTESTINITIAL.P) (detail)

195.134 (API-1130)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Initial System Testing (detail) Have initial system testing records and results been retained/available and indicate adequate results? (CR.LD.LDSTESTINITIAL.R) (detail)

195.134 (API-1130)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Parameter and System Changes (detail) Are parameter and/or system changes reflected in the leak detection system? (CR.LD.LDSMOC.P) (detail)

195.444 (API-1130; 195.134)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Integration of Leak Detection Presentation with SCADA (detail) Are the LDS data, communication, and controller interface appropriately integrated with the SCADA displays? (CR.LD.LDSCADA.P) (detail)

195.134 (API-1130; 195.444; 195.446(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Field Instrumentation Accuracy and Calibration (detail) Is the accuracy and calibration of field instrumentation used in the leak detection system appropriately assured? (CR.LD.LDSINSTRUMENT.P) (detail)

195.444 (API-1130; 195.134)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Field Instrumentation Accuracy and Calibration (detail) *Do records indicate the calibration of field instrumentation used in the leak detection system was performed?* (CR.LD.LDSINSTRUMENT.R) (detail)

195.444 (API-1130; 195.446(j))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. CPM Threat Protection/Security (detail) *Is the CPM system adequately protected from security threats?* (CR.LD.CPMPROTECT.P) (detail)

195.402(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Biofuels

1. Chemical Compatibility - Biofuel Special Considerations (detail) *Do records indicate determination that biofuel is chemically compatible with the pipeline, its components, and other commodities?* (DC.BIO.CHEMCOMPATIBLE.R) (detail)

195.4

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Biofuel Special Considerations - Design Requirements (detail) *Does the process require certain Subpart C design requirements relating to biofuel transport be addressed?* (DC.BIO.DESIGN.P) (detail)

195.100 (195.116(c); 195.126; 195.118(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Biofuel Special Considerations - Design Requirements (detail) Do records indicate that certain Subpart C design requirements relating to biofuel transport have been addressed? (DC.BIO.DESIGN.R) (detail)

195.100 (195.116(c); 195.126; 195.118(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Biofuel Special Considerations - Construction Requirements (detail) Do records indicate certain Subpart D construction requirements relating to biofuel transport have been addressed? (DC.BIO.CONSTRUCT.R) (detail)

195.200 (195.260(c); 195.262(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Qualifying Metallic Components other than Pipe Qualified for their Use? (detail) Do records indicate metallic components other than pipe have been qualified for use? (DC.BIO.METALLIC.R) (detail)

195.101(a) (195.101(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Valve Specifications: Ethanol Compatibility (detail) Do records indicate pipeline system valves meet the compatibility requirements of 195.116(c)? (DC.BIO.VALVE.R) (detail)

195.116(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Construction

1. Material Inspection (detail) Prior to installation, are pipe and components visually inspected at the site of installation to ensure they are not damaged? (DC.CO.INSPECTION.O) (detail)

195.206

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Pipeline Location (detail) Does the process specify the required pipeline location and depth of cover?

(DC.CO.LOCATION.P) (detail)

195.202 (195.210(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Pipeline Location (detail) Do records indicate the required pipeline location and depth of cover?

(DC.CO.LOCATION.R) (detail)

195.210(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Pipeline Location (detail) Does pipeline location and depth of cover comply with 195.210(b)?

(DC.CO.LOCATION.O) (detail)

195.210(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Pipe Installation (detail) Does the process specify that pipe is installed in a manner that minimizes secondary stresses and minimizes possibility of damage?

(DC.CO.INSTALL.P) (detail)

195.202 (195.246(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Pipe Installation (detail) Is pipe installed in a manner that minimizes secondary stresses and minimizes possibility of damage?

(DC.CO.INSTALL.O) (detail)

195.246(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Installation Offshore (detail) Does the process specify that off shore piping is installed so that the top of the pipe is below the underwater natural bottom or as otherwise allowed by 195.246(b)? (DC.CO.INSTALLOFFSHORE.P) (detail)

195.202 (195.246(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Installation Offshore (detail) Do records indicate offshore piping installed so that the top of the pipe is below the underwater natural bottom or as otherwise allowed by 195.246(b)? (DC.CO.INSTALLOFFSHORE.O) (detail)

195.246(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Cover Over Buried Pipeline (detail) Does the process specify that piping is installed with a depth of cover as specified in 195.248? (DC.CO.COVER.P) (detail)

195.202 (195.248(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Cover Over Buried Pipeline (detail) Do records indicate that piping is installed with a depth of cover as specified in 195.248? (DC.CO.COVER.R) (detail)

195.266(b) (195.248(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Cover Over Buried Pipeline (detail) Is piping installed with a depth of cover as specified in 195.248? (DC.CO.COVER.O) (detail)

195.248(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Above Ground Component Installation (detail) *Does the process specify that above ground components are installed as allowed by Â§195.254? (DC.CO.INSTALLABOVEGRND.P) (detail)*

195.202 (195.254(a); 195.254(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Above Ground Component Installation (detail) *Do records verify that above ground components are installed as allowed by Â§195.254? (DC.CO.INSTALLABOVEGRND.R) (detail)*

195.266 (195.254(a); 195.254(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Above Ground Component Installation (detail) *Are above ground components installed as allowed by Â§195.254? (DC.CO.INSTALLABOVEGRND.O) (detail)*

195.254(a) (195.254(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Valve Accessibility (detail) *Does the process specify that valves are accessible to authorized employees and protected from damage or tampering? (DC.CO.VALVEPROTECT.P) (detail)*

195.258(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Valve Accessibility (detail) *Do records indicate that valves are accessible to authorized employees and protected from damage or tampering? (DC.CO.VALVEPROTECT.R) (detail)*

195.266(f) (195.258(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Valve Accessibility (detail) Are valves accessible to authorized employees and protected from damage or tampering? (DC.CO.VALVEPROTECT.O) (detail)

195.258(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Submerged Valve Marking - Offshore (detail) Does the process specify that offshore submerged valves are located or marked in order to facilitate quick location when operation of the valve is required? (DC.CO.VALVEMARKOFFSHORE.P) (detail)

195.202 (195.258(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Submerged Valve Marking - Offshore (detail) Are offshore submerged valves located or marked in order to facilitate quick location when operation of the valve is required? (DC.CO.VALVEMARKOFFSHORE.R) (detail)

195.266(f) (195.258(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Submerged Valve Marking - Inland Navigable Waters (detail) Do written specifications or standards and drawings specify that submerged valves located in inland navigable waters are located or marked in order to facilitate quick location when operation of the valve is required? (DC.CO.VALVEMARKNAVWATER.P) (detail)

195.202 (195.258(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Submerged Valve Marking - Inland Navigable Waters (detail) Are submerged valves located in inland navigable waters located or marked in order to facilitate quick location when operation of the valve is required? (DC.CO.VALVEMARKNAVWATER.O) (detail)

195.258(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

22. Valve Locations (detail) Does the process specify that valves are located as specified by 195.260?

(DC.CO.VALVELOCATION.P) (detail)

195.202 (195.260(a); 195.260(b); 195.260(c); 195.260(d); 195.260(e); 195.260(f))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

23. Valve Locations (detail) Do records indicate that valves are located as specified by 195.260?

(DC.CO.VALVELOCATION.R) (detail)

195.266(f) (195.260(a); 195.260(b); 195.260(c); 195.260(d); 195.260(e); 195.260(f))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

24. Valve Locations (detail) Are valves located as specified by 195.260? (DC.CO.VALVELOCATION.O)

(detail)

195.260(a) (195.260(b); 195.260(c); 195.260(d); 195.260(e); 195.260(f))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

25. Material Inspection (detail) Does the process specify that prior to installation, pipe and components are visually inspected at the site of installation to ensure they are not damaged? (DC.CO.INSPECTION.P) (detail)

195.202 (195.206)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

26. Bending of Pipe. (detail) Does the construction process meet the requirements of 195.212 for bending pipe? (DC.CO.FIELD BEND.P) (detail)

195.202 (195.212(a); 195.212(b); 195.212(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

27. Bending of Pipe. (detail) Does pipe bending meet the requirements of §195.212? (DC.CO.FIELDBEND.O) (detail)

195.212(a) (195.212(b); 195.212(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

28. Construction Records (detail) Does the process require applicable construction records to be maintained for the life of each pipeline? (DC.CO.RECORDS.P) (detail)

195.202 (195.266(a); 195.266(b); 195.266(c); 195.266(d); 195.266(e); 195.266(f))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

29. Construction Records (detail) Do records indicate that construction records are being maintained for the life of each pipeline? (DC.CO.RECORDS.R) (detail)

195.266(a) (195.266(b); 195.266(c); 195.266(d); 195.266(e); 195.266(f))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

30. Clearance Between Pipe and Underground Structures (detail) Does clearance requirements between pipe and underground structures comply with §195.250? (DC.CO.CLEAR.P) (detail)

195.202 (195.250)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

31. Clearance Between Pipe and Underground Structures (detail) Does clearance between pipe and underground structures comply with §195.250? (DC.CO.CLEAR.O) (detail)

195.250

Sat+	Sat	Concern	Unsat	NA	NC

Notes

32. Backfilling (detail) *Is backfilling required to be performed in a manner that provides firm support and that does no damage to the pipe and coating?* (DC.CO.BACKFILL.P) (detail)

195.202 (195.252(a); 192.252(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

33. Backfilling (detail) *Is backfilling performed in a manner that provides firm support and does no damage to the pipe and coating?* (DC.CO.BACKFILL.O) (detail)

195.252(a) (192.252(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

34. Crossing of Railroads and Highways (detail) *Is pipe at railroad and highway crossings required to be installed to adequately withstand dynamic forces exerted by anticipated traffic loads?* (DC.CO.EXTLOAD.P) (detail)

195.202 (195.256)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

35. Crossing of Railroads and Highways (detail) *Do records indicate pipe at selected railroad and highway crossings was installed to adequately withstand dynamic forces exerted by anticipated traffic loads?* (DC.CO.EXTLOAD.R) (detail)

195.266(b) (195.256)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

36. Crossing of Railroads and Highways (detail) *Is pipe installed at railroad and highway crossings adequate to withstand dynamic forces exerted by anticipated traffic loads?* (DC.CO.EXTLOAD.O) (detail)

195.202 (195.256)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Construction - Pump Stations

1. Material Inspection (detail) *Prior to installation, are pipe and components visually inspected at the site of installation to ensure they are not damaged?* (DC.COCMP.INSPECTION.O) (detail)

195.206

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Pipe Installation (detail) *Does the process specify that pipe is installed in a manner that minimizes secondary stresses and minimizes possibility of damage?* (DC.COCMP.INSTALL.P) (detail)

195.202 (195.246(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Pipe Installation (detail) *Is pipe installed in a manner that minimizes secondary stresses and minimizes possibility of damage?* (DC.COCMP.INSTALL.O) (detail)

195.246(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Cover Over Buried Pipeline (detail) *Does the process specify that piping is installed with a depth of cover as specified in 195.248?* (DC.COCMP.COVER.P) (detail)

195.202 (195.248(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Cover Over Buried Pipeline (detail) *Do records indicate that piping is installed with a depth of cover as specified in 195.248?* (DC.COCMP.COVER.R) (detail)

195.266(b) (195.248(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Cover Over Buried Pipeline (detail) *Is piping installed with a depth of cover as specified in Â§195.248?* (DC.COCMP.COVER.O) (detail)

195.248(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Above Ground Component Installation (detail) *Does the process specify that above ground components are installed as allowed by Â§195.254?* (DC.COCMP.INSTALLABOVEGRND.P) (detail)

195.202 (195.254(a); 195.254(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Above Ground Component Installation (detail) *Do records verify that above ground components are installed as allowed by Â§195.254?* (DC.COCMP.INSTALLABOVEGRND.R) (detail)

195.266 (195.254(a); 195.254(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Above Ground Component Installation (detail) *Are above ground components installed as allowed by Â§195.254?* (DC.COCMP.INSTALLABOVEGRND.O) (detail)

195.254(a) (195.254(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Valve Accessibility (detail) *Does the process specify that valves are accessible to authorized employees and protected from damage or tampering?* (DC.COCMP.VALVEPROTECT.P) (detail)

195.258(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Valve Accessibility (detail) Do records indicate that valves are accessible to authorized employees and protected from damage or tampering? (DC.COCMP.VALVEPROTECT.R) (detail)

195.266(f) (195.258(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Valve Accessibility (detail) Are valves accessible to authorized employees and protected from damage or tampering? (DC.COCMP.VALVEPROTECT.O) (detail)

195.258(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Valve Locations (detail) Does the process specify that valves are located as specified by Â§195.260? (DC.COCMP.VALVELOCATION.P) (detail)

195.202 (195.260(a); 195.260(b); 195.260(c); 195.260(d); 195.260(e); 195.260(f))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Valve Locations (detail) Do records indicate that valves are located as specified by Â§195.260? (DC.COCMP.VALVELOCATION.R) (detail)

195.266(f) (195.260(a); 195.260(b); 195.260(c); 195.260(d); 195.260(e); 195.260(f))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Valve Locations (detail) Are valves located as specified by Â§195.260? (DC.COCMP.VALVELOCATION.O) (detail)

195.260(a) (195.260(b); 195.260(c); 195.260(d); 195.260(e); 195.260(f))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Pumping Equipment - Specification (detail) Does the process require pumping equipment to meet the requirements of 195.262? (DC.COCMP.PMPSPEC.P) (detail)
 195.202 (195.262(a); 195.262(b); 195.262(c); 195.262(d); 195.262(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Pumping Equipment - Ventilation (detail) Is adequate ventilation provided in pump station buildings to prevent the accumulation of hazardous vapors? (DC.COCMP.PMPVENTILATE.O) (detail)
 195.262(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Pumping Equipment - Hazardous Vapors (detail) Do pumping station buildings have devices to warn of the presence of hazardous vapors? (DC.COCMP.PMPVAPOR.O) (detail)
 195.262(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Pumping Equipment - Overpressure Protection (detail) Does the process specify that pumping stations have overpressure safety devices and emergency shutdown capability? (DC.COCMP.PMPOVERPRESS.P) (detail)
 195.202 (195.262(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Pumping Equipment - Overpressure Protection (detail) Do pumping stations have overpressure safety devices and emergency shutdown capability? (DC.COCMP.PMPOVERPRESS.O) (detail)
 195.262(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Pumping Equipment - Safety Device Testing (detail) *Are safety devices tested before pumping stations are used?* (DC.COCMP.PMPSAFETYDEVICETEST.O) (detail)

195.262(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

22. Pumping Equipment - Safety Device Testing (detail) *Do records indicate safety devices tested before pumping stations used?* (DC.COCMP.PMPSAFETYDEVICETEST.R) (detail)

195.262(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

23. Pumping Equipment - Controlled Property (detail) *Is pumping equipment installed on property that is under the control of the operator and at least 15.2 m (50 ft) from the boundary of the pump station?* (DC.COCMP.PMPPROPERTY.O) (detail)

195.262(d)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

24. Pumping Equipment- Fire Protection (detail) *Is fire protection installed at each pump station?* (DC.COCMP.PMPFIREPROT.O) (detail)

195.262(e)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

25. Material Inspection (detail) *Does the process specify that prior to installation, pipe and components are visually inspected at the site of installation to ensure they are not damaged?* (DC.COCMP.INSPECTION.P) (detail)

195.202 (195.206)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

26. Bending of Pipe. (detail) Does the construction process meet the requirements of 195.212 for bending pipe? (DC.COCMP.FIELDBEND.P) (detail)

195.202 (195.212(a); 195.212(b); 195.212(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

27. Bending of Pipe. (detail) Does pipe bending meet the requirements of 195.212? (DC.COCMP.FIELDBEND.O) (detail)

195.212(a) (195.212(b); 195.212(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

28. Construction Records (detail) Does the process require applicable construction records to be maintained for the life of each pipeline? (DC.COCMP.RECORDS.P) (detail)

195.202 (195.266(a); 195.266(b); 195.266(c); 195.266(d); 195.266(e); 195.266(f))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

29. Construction Records (detail) Do records indicate that construction records are being maintained for the life of each pipeline? (DC.COCMP.RECORDS.R) (detail)

195.266(a) (195.266(b); 195.266(c); 195.266(d); 195.266(e); 195.266(f))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

30. Clearance Between Pipe and Underground Structures (detail) Does clearance requirements between pipe and underground structures comply with 195.250? (DC.COCMP.CLEAR.P) (detail)

195.202 (195.250)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

31. Clearance Between Pipe and Underground Structures (detail) *Does clearance between pipe and underground structures comply with 195.250? (DC.COCMP.CLEAR.O) (detail)*

195.250

Sat+	Sat	Concern	Unsat	NA	NC

Notes

32. Backfilling (detail) *Is backfilling required to be performed in a manner that provides firm support and that does no damage to the pipe and coating? (DC.COCMP.BACKFILL.P) (detail)*

195.202 (195.252(a); 192.252(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

33. Backfilling (detail) *Is backfilling performed in a manner that provides firm support and does no damage to the pipe and coating? (DC.COCMP.BACKFILL.O) (detail)*

195.252(a) (192.252(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Construction Weld Inspection

1. Weld Inspection Standards (detail) *Are welds required to be inspected to ensure compliance with the requirements of 195.228? (DC.WELDINSPE.WELDINSPECT.P) (detail)*

195.228(a) (195.228(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Weld Inspection Standards (detail) *Do records indicate welds are inspected to ensure compliance with the requirements of 195.228? (DC.WELDINSPE.WELDINSPECT.R) (detail)*

195.228(a) (195.228(b); 195.234)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Weld Inspection Standards (detail) *Are welds being inspected to ensure compliance with the requirements of 195.228?* (DC.WELDINSP.WELDINSPECT.O) (detail)

195.228(a) (195.228(b); 195.234)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Repair or Removal of Weld Defects (detail) *Are welds that are unacceptable required to be removed and/or repaired as specified by 195.230 and does the operator have repair procedures?* (DC.WELDINSP.WELDREPAIR.P) (detail)

195.202 (195.230(a); 195.230(b); 195.230(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.230(a) (195.230(b); 195.230(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.230(a) (195.230(b); 195.230(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Nondestructive Test and Interpretation Procedures (detail) *Are there processes for nondestructive testing and for determining standards of acceptability?* (DC.WELDINSP.WELDNDT.P) (detail)

195.234(a) (195.234(b)(1); 195.234(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Nondestructive Test and Interpretation Procedures (detail) Are NDT activities performed in accordance with approved processes? (DC.WELDINSP.WELDNDT.O) (detail)

195.234(a) (195.234(b)(1); 195.234(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Nondestructive Testing Personnel Training (detail) Does the process require nondestructive testing of welds (for maintenance and construction) be performed by personnel who are trained in procedures established to ensure compliance with 195.228 and in use of the testing equipment? (DC.WELDINSP.WELDNDTQUAL.P) (detail)

195.202 (195.234(b)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Nondestructive Testing of Girth Welds (detail) Does the process require certain girth welds to be nondestructively tested in accordance with 195.234(d), (e), (f), and (g)? (DC.WELDINSP.GIRTHWELDNDT.P) (detail)

195.202 (195.234(d); 195.234(e); 195.234(f); 195.234(g); 195.266)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Nondestructive Testing of Girth Welds (detail) Do records demonstrate at least 10% of all welds that are made by each welder during each welding day are nondestructively tested over the entire circumference of the welds or that more welds are tested per the operator's own procedures? (DC.WELDINSP.GIRTHWELDNDT.R) (detail)

195.234(d) (195.266(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Nondestructive Testing of Girth Welds - Locations (detail) Do records demonstrate all girth welds installed each day in selected locations specified in 195.234(e) are nondestructively tested over their entire circumference? (DC.WELDINSP.GIRTHWELDNDTLOCATE.R) (detail)

195.234(e) (195.266(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Nondestructive Testing of Girth Welds - Used Pipe (detail) *Do records demonstrate that when installing used pipe, 100% of the old girth welds are nondestructively tested?* (DC.WELDINSP.GIRTHWELDNDTUSED.R) (detail)

195.234(f) (195.266(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Nondestructive Testing of Girth Welds - Pipe Tie-Ins (detail) *Do records demonstrate 100% of the girth welds have been nondestructively tested at selected pipe tie-ins?* (DC.WELDINSP.GIRTHWELDNDTTIEIN.R) (detail)

195.234(g) (195.266(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Construction Welder Qualification

1. Qualification of Welders (detail) *Is each welder required to be qualified in accordance with section 6 of API 1104 or section IX of the ASME Boiler and Pressure Vessel Code?* (DC.WELDERQUAL.WELDERQUAL.P) (detail)

195.222(a) (195.222(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Qualification of Welders (confirm) *Do records indicate that welders are qualified in accordance with API-1104 or the ASME Boiler & Pressure Vessel Code?* (DC.WELDERQUAL.WELDERQUAL.R) (confirm)

195.222(a) (195.222(b); 195.214(a); Section 6 of API-1104; Section IX of ASME Boiler & Pressure Vessel Code)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Skills and Knowledge of Welders (detail) Are welders performing welds according to established procedures? (DC.WELDERQUAL.WELDERQUAL.O) (detail)

195.222(a) (195.222(b); 195.505(b), 195.214(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Construction Welding Procedures

1. Welding of Supports and Braces (detail) Does the process allow for supports or braces to be welded directly to pipe that operates at a pressure less than or equal to 100 p.s.i. (689 kPa) gage? (DC.WELDPROCEDURE.WELDSUPPORT.P) (detail)

195.202 (195.208)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Welding Procedures (detail) Does the process require welding to be performed by qualified welders using qualified welding procedures? (DC.WELDPROCEDURE.WELD.P) (detail)

195.214(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Welding Procedures (detail) Are welding procedures being qualified in accordance with §195.214? (DC.WELDPROCEDURE.WELD.O) (detail)

195.214(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Welding Procedures (detail) Are welding procedures and qualifying tests required to be recorded in detail? (DC.WELDPROCEDURE.WELDPROCEDURE.P) (detail)

195.214(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Welding Procedures (detail) Do records indicate welding procedures and qualifying tests recorded in detail? (DC.WELDPROCEDURE.WELDPROCEDURE.R) (detail)

195.214(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Welding Procedures (detail) Are welding procedures being retained and followed? (DC.WELDPROCEDURE.WELDPROCEDURE.O) (detail)

195.214(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Miter Joints (detail) Do welding procedures prohibit the use of miter joints? (DC.WELDPROCEDURE.MITERJOINT.P) (detail)

195.214(b) (195.216)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Welding Weather (detail) Is welding required to be protected from weather conditions that would impair the quality of the completed weld? (DC.WELDPROCEDURE.WELDWEATHER.P) (detail)

195.224

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Welding Weather (detail) *Is welding protected from weather conditions that would impair the quality of the completed weld?* (DC.WELDPROCEDURE.WELDWEATHER.O) (detail)

195.224

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Arc Burns and Ground Wires (detail) *Does the process address arc burns and ground wires in accordance with Â§195.226?* (DC.WELDPROCEDURE.ARCBURNGRNDWIRE.P) (detail)

195.202 (195.226(a); 195.226(b); 195.226(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Arc Burns and Ground Wires (detail) *Do records indicate arc burns and ground wires are addressed in accordance with Â§195.226?* (DC.WELDPROCEDURE.ARCBURNGRNDWIRE.R) (detail)

195.226(a) (195.226(b); 195.226(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Arc Burns and Ground Wires (detail) *Are arc burns and ground wires addressed in accordance with Â§195.226?* (DC.WELDPROCEDURE.ARCBURNGRNDWIRE.O) (detail)

195.226(a) (195.226(b); 195.226(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Welding on In-Service Pipelines (detail) *Does the process require consideration of issues related to welding on in-service pipelines?* (DC.WELDPROCEDURE.WELDINSERVICE.P) (detail)

195.402(a) (195.422(a); Alert Notice dated 3/18/87)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Design

1. Design Temperature: CO2 Facilities (detail) Does the process require that carbon dioxide system components subject to low temperatures are made of materials that are suitable for those low temperatures? (DC.DN.TEMPDESIGNCO2.P) (detail)

195.102(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Design Temperature: CO2 Facilities (detail) Do records indicate carbon dioxide system components subject to low temperatures are made of materials that are suitable for those low temperatures? (DC.DN.TEMPDESIGNCO2.R) (detail)

195.102(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Internal Design Pressure (detail) Does the process require the internal design pressure of the pipeline be determined in accordance with Å§195.106? (DC.DN.DESIGNPRESS.P) (detail)

195.106(a) (195.106(b); 195.106(c); 195.106(d); 195.106(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Internal Design Pressure (detail) Do records demonstrate the internal design pressure of the pipeline is determined in accordance with Å§195.106? (DC.DN.DESIGNPRESS.R) (detail)

195.106(a) (195.106(b); 195.106(c); 195.106(d); 195.106(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Anticipated External Loads (detail) Does the process require pipeline designs to account for anticipated external loads? (DC.DN.EXTLOAD.P) (detail)

195.110(a) (195.110(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Anticipated External Loads (confirm) *Do records demonstrate pipeline designs account for anticipated external loads?* (DC.DN.EXTLOAD.R) (confirm)

195.110(a) (195.110(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Fracture Propagation CO2 Pipelines (detail) *Does the process require provisions to mitigate the effects of fracture propagation in carbon dioxide pipeline systems?* (DC.DN.CO2FRACPROP.P) (detail)

195.111

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Fracture Propagation CO2 Pipelines (detail) *Do records indicate provisions to mitigate the effects of fracture propagation in carbon dioxide pipeline systems?* (DC.DN.CO2FRACPROP.R) (detail)

195.111

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. New Pipe (detail) *Does the process require that new pipe installed in a pipeline system comply with 195.112?* (DC.DN.NEWPIPE.P) (detail)

195.112(a) (195.112(b); 195.112(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. New Pipe (detail) *Do records demonstrate new pipe installed in a pipeline system complies with 195.112?* (DC.DN.NEWPIPE.R) (detail)

195.112(a) (195.112(b); 195.112(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. New Pipe (detail) *Is new pipe is marked in accordance with the requirements of 195.112(c)?*

(DC.DN.NEWPIPE.O) (detail)

195.112(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Used Pipe (detail) *Do records demonstrate used pipe installed in a pipeline system complies with 195.114?*

(DC.DN.USEDPIPE.R) (detail)

195.114(a) (195.114(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Valve Specifications (detail) *Does the process require pipeline system valves meet the requirements of 195.116?*

(DC.DN.VALVE.P) (detail)

195.116(a) (195.116(b); 195.116(c); 195.116(d); 195.116(e); 195.116(f))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Valve Specifications (confirm) *Do records indicate pipeline system valves meet the requirements of 195.116?*

(DC.DN.VALVE.R) (confirm)

195.116(a) (195.116(b); 195.116(c); 195.116(d); 195.116(e); 195.116(f))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Valve Observations (detail) *Do pipeline system valves meet the requirements of 195.116?*

(DC.DN.VALVE.O) (detail)

195.116(f)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Valve Specifications - Compatibility with CO2 and Other Commodities (detail) *Does the process require that pipeline system valves meet the compatibility requirements of 195.116(c)?* (DC.DN.VALVECOMPAT.P) (detail)

195.116(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Valve Specifications - Compatibility with CO2 and Other Commodities (confirm) *Do records indicate pipeline system valves meet the compatibility requirements of 195.116(c)?* (DC.DN.VALVECOMPAT.R) (confirm)

195.116(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Fittings (detail) *Does the process require that selected material specifications for pipe fittings meet the requirements of 195.118?* (DC.DN.FITTING.P) (detail)

195.118(a) (195.118(b); 195.118(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Fittings (detail) *Do records demonstrate selected material specifications for pipe fittings meet the requirements of 195.118?* (DC.DN.FITTING.R) (detail)

195.118(a) (195.118(b); 195.118(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Fittings (detail) *Do the material specifications for selected pipe fittings meet the requirements of 195.118?* (DC.DN.FITTING.O) (detail)

195.118(a) (195.118(b); 195.118(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Passage of Internal Inspection Devices (detail) *Does the process require the pipeline be designed and constructed to accommodate the passage of instrumented internal inspection devices?* (DC.DN.ILIPASS.P) (detail)

195.202 (195.120(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

22. Passage of Internal Inspection Devices (detail) *Do records demonstrate the pipeline is designed and constructed to accommodate the passage of instrumented internal inspection devices?* (DC.DN.ILIPASS.R) (detail)

195.266 (195.120(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

23. Passage of Internal Inspection Devices (detail) *Is the pipeline system constructed to accommodate the passage of instrumented internal inspection devices?* (DC.DN.ILIPASS.O) (detail)

195.120(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

24. Closures (detail) *Does the process require closures comply with the ASME Boiler and Pressure Vessel Code, Section VIII, Pressure Vessels, Division 1 and have pressure and temperature ratings at least equal to those of the pipe to which the closure is attached?* (DC.DN.CLOSURE.P) (detail)

195.124

Sat+	Sat	Concern	Unsat	NA	NC

Notes

25. Closures (detail) *Do records indicate closures comply with the ASME Boiler and Pressure Vessel Code, Section VIII, Pressure Vessels, Division 1 and they have pressure and temperature ratings at least equal to those of the pipe to which the closure is attached?* (DC.DN.CLOSURE.R) (detail)

195.124

Sat+	Sat	Concern	Unsat	NA	NC

Notes

26. Closures (detail) *Do closures comply with the ASME Boiler and Pressure Vessel Code, Section VIII, Pressure Vessels, Division 1 and do they have pressure and temperature ratings at least equal to those of the pipe to which the closure is attached?* (DC.DN.CLOSURE.O) (detail)

195.124

Sat+	Sat	Concern	Unsat	NA	NC

Notes

27. Requirements for CPM Systems (detail) *If Computational Pipeline Monitoring (CPM) is used, does it comply with guidance in API 1130 requirements in design, operating, maintaining, testing, record-keeping, and dispatcher training?* (DC.DN.CPMDESIGN.P) (detail)

195.134

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Maintenance and Operations

1. Safety - Maintenance Construction and Testing (detail) *Does the process ensure that pipeline maintenance construction and testing activities are made in a safe manner and are made so as to prevent damage to persons and property?* (DC.MO.SAFETY.P) (detail)

195.402(a) (195.422(a); 195.402(c)(14))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Safety - Maintenance Construction and Testing (detail) *Are pipeline maintenance construction and testing activities performed safely and in accordance with procedures to prevent damage to persons and property?* (DC.MO.SAFETY.O) (detail)

195.422(a) (195.402(c)(14))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. 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)

195.402(c) (195.579(c); 195.579(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.589(c) (195.579(c); 195.579(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Internal Corrosion in Cutout Pipe (detail) Are examinations of removed pipe for evidence of internal corrosion being conducted? (DC.MO.ICEXAMINE.O) (detail)

195.579(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. 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 limits prescribed by 195.406? (DC.MO.MOPLIMIT.P) (detail)

195.402(a) (195.402(c)(7))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Start-Stop Procedures (detail) Do records indicate that pressure limitations on the pipeline are not exceeded? (DC.MO.MOPLIMIT.R) (detail)

195.402(c)(7)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Start-Stop Procedures (detail) *During startup or shut-in, does the operator assure that pressure limitations on the pipeline were not exceeded?* (DC.MO.MOPLIMIT.O) (detail)

195.402(c)(7)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Pipe Movement (detail) *Has a process been developed for pipeline movements in accordance with 195.424?* (DC.MO.MOVE.P) (detail)

195.402(a) (195.424(a); 195.424(b); 195.424(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Pipe Movement (detail) *Does the operator perform pipeline movements in accordance with 195.424?* (DC.MO.MOVE.O) (detail)

195.424(a) (195.424(b); 195.424(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - New Tanks and Storage

1. New Aboveground Breakout Tanks (detail) *Are new aboveground breakout tanks required to be designed and constructed to the specifications required by 195.132?* (DC.TSNEW.BOSPEC.P) (detail)

195.132(a) (195.132(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. New Aboveground Breakout Tanks (detail) *Do records indicate new aboveground breakout tanks designed and constructed to the specifications required by 195.132(b)?* (DC.TSNEW.BOSPEC.R) (detail)

195.132(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. New Aboveground Breakout Tanks (detail) *Are new aboveground breakout tanks designed and constructed to the specifications required of 195.132(b)?* (DC.TSNEW.BOSPEC.O) (detail)

195.132(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Cathodic Protection for Breakout Tanks (detail) *Is cathodic protection on breakout tanks required to be installed in accordance with API RP 651?* (DC.TSNEW.BOCP.P) (detail)

195.402(c)(3) (195.565; 195.563(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Cathodic Protection for Breakout Tanks (detail) *Do records indicate cathodic protection installed on breakout tanks in accordance with API RP 651?* (DC.TSNEW.BOCP.R) (detail)

195.404(c) (195.565; 195.563(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Cathodic Protection for Breakout Tanks (detail) *Is cathodic protection on breakout tanks being installed in accordance with API RP 651?* (DC.TSNEW.BOCP.O) (detail)

195.565 (195.563(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Breakout Tank Impoundment (detail) *Are new aboveground breakout tank impoundments, protection against entry, normal/emergency venting or pressure/vacuum reliefs required to comply with the requirements of 195.264?* (DC.TSNEW.BOIMPOUNDPROTECT.P) (detail)

195.202 (195.264(a); 195.264(b); 195.264(c); 195.264(d); 195.264(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Breakout Tank Impoundment (detail) Do records indicate that new aboveground breakout tank impoundments, protection against entry, normal/emergency venting or pressure/vacuum reliefs comply with the requirements of 195.264? (DC.TSNEW.BOIMPOUNDPROTECT.R) (detail)

195.266 (195.264(a); 195.264(b); 195.264(c); 195.264(d); 195.264(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Breakout Tank Impoundment (detail) Do new aboveground breakout tank impoundments, protection against entry, normal/emergency venting or pressure/vacuum reliefs comply with the requirements of 195.264? (DC.TSNEW.BOIMPOUNDPROTECT.O) (detail)

195.264(a) (195.264(b); 195.264(c); 195.264(d); 195.264(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Breakout Tank Overfill Protection (detail) Are overfill protection systems for new or altered aboveground breakout tanks required to meet the requirements specified in 195.428(c)? (DC.TSNEW.BOOVERFILL.P) (detail)

195.402(c) (195.428(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Breakout Tank Overfill Protection (detail) Do records indicate that overfill protection systems for new or altered aboveground breakout tanks meet the requirements specified in 195.428(c)? (DC.TSNEW.BOOVERFILL.R) (detail)

195.404 (195.428(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Breakout Tank Overfill Protection (detail) Do overfill protection systems for new or altered aboveground breakout tanks meet the requirements specified in 195.428(c)? (DC.TSNEW.BOOVERFILL.O) (detail)

195.428(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Installing Bottom Linings in Aboveground Breakout Tanks (detail) *Are bottom linings required to be installed in aboveground breakout tanks to meet the requirements specified in Â§195.579(d)?* (DC.TSNEW.BOBOTTOM.P) (detail)

195.402(c) (195.579(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Installing Bottom Linings in Aboveground Breakout Tanks (detail) *Do records indicate the installation of bottom linings in aboveground breakout tanks that meet the requirements specified in Â§195.579(d)?* (DC.TSNEW.BOBOTTOM.R) (detail)

195.404 (195.579(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Installing Bottom Linings in Aboveground Breakout Tanks (detail) *Do bottom linings being installed in aboveground breakout tanks meet the requirements specified in Â§195.579(d)?* (DC.TSNEW.BOBOTTOM.O) (detail)

195.579(d)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Pressure Testing

1. Pressure Testing (detail) *Does the process have adequate test procedures?* (DC.PT.PRESSTEST.P) (detail)

195.402(c) (195.302(a), 195.304; 195.305; 195.306; 195.310)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Pressure Testing (detail) *Are pressure test records available and adequate?* (DC.PT.PRESSTEST.R) (detail)

195.310 (195.305(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Pressure Testing (detail) *Is pressure testing being adequately conducted?* (DC.PT.PRESSTEST.O) (detail)

195.302(a) (195.304; 195.305(a); 195.305(b); 195.306(a); 195.306(b); 195.306(c); 195.306(d); 195.307(a); 195.307(b); 195.307(c); 195.307(d); 195.307(e); 195.308)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Pressure Testing of Tie-Ins (detail) *Does the process require testing of pipe associated with tie-ins, either with the section to be tied in or separately?* (DC.PT.PRESSTESTTIEIN.P) (detail)

195.402(c) (195.308)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Pressure Testing of Tie-Ins (detail) *Do records indicate pipe associated with tie-ins has been pressure tested?* (DC.PT.PRESSTESTTIEIN.R) (detail)

195.308

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Pressure Testing - Breakout Tanks

1. Pressure Testing of Tie-Ins (detail) *Does the process require testing of pipe associated with tie-ins, either with the section to be tied in or separately?* (DC.PTBO.PRESSTESTTIEIN.P) (detail)

195.402(c) (195.308)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Pressure Testing of Tie-Ins (detail) Do records indicate pipe associated with tie-ins has been pressure tested? (DC.PTBO.PRESSTESTTIEIN.R) (detail)

195.308

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Pressure Testing - New Breakout Tanks (detail) Have written test procedures been developed for testing new breakout tanks in accordance with 195.307? (DC.PTBO.BOPRESSTEST.P) (detail)

195.202 (195.307(a); 195.307(b); 195.307(c); 195.307(e); 195.310; API Specification 12F; API 620; API 650)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Pressure Testing - New Breakout Tanks (detail) Do records indicate testing for new breakout tanks in accordance with 195.307? (DC.PTBO.BOPRESSTEST.R) (detail)

195.404(c) (195.307(a); 195.307(b); 195.307(c); 195.307(e); 195.310; API Specification 12F; API 620; API 650)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Pressure Testing - New Breakout Tanks (detail) Is testing of selected new breakout tanks being conducted in accordance with 195.307? (DC.PTBO.BOPRESSTEST.O) (detail)

195.307(a) (195.307(b); 195.307(c); 195.307(e); 195.310; API Specification 12F; API 620; API 650)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Breakout Tank Pressure Testing - Repairs, Alterations, and Reconstructions (detail) Have written test procedures been developed for testing repaired, altered, or reconstructed breakout tanks that were returned to service after October 2, 2000? (DC.PTBO.BOPRESSTESTMODIFY.P) (detail)

195.402(c) (195.307(d); 195.310(a); 195.310(b); API 653)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Breakout Tank Pressure Testing - Repairs, Alterations, and Reconstructions (detail)

Do records indicate that pressure testing was implemented for repaired, altered, or reconstructed breakout tanks that were returned to service after October 2, 2000? (DC.PTBO.BOPRESSTESTMODIFY.R) (detail)

195.310(a) (195.310(b); 195.307(d); API 653)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Breakout Tank Pressure Testing - Repairs, Alterations, and Reconstructions (detail)

Is testing of repaired, altered, or reconstructed breakout tanks being conducted in accordance with 195.307? (DC.PTBO.BOPRESSTESTMODIFY.O) (detail)

195.307(d) (API 653)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Rural Gathering and Low Stress

1. Regulated Rural Gathering Lines (detail) Have processes have been established for certain design and installation requirements? (DC.RU.REGRURALGATHER.P) (detail)

195.11(d)(2) (195.11(b)(2); 195.11(b)(9); 195.11(b)(11))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Regulated Rural Gathering Lines (detail) Do records demonstrate design and installation requirements for selected regulated rural gathering lines being followed? (DC.RU.REGRURALGATHER.R) (detail)

195.11(d)(2) (195.11(b)(2); 195.11(b)(9); 195.11(b)(11))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Rural Low-Stress Pipelines (detail) *Are processes established for design and installation requirements of Part 195 for rural low-stress pipelines?* (DC.RU.RURALLOWSTRESS.P) (detail)

195.12(c)(1) (195.12(c)(2); 195.12(c)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Rural Low-Stress Pipelines (detail) *Do records demonstrate compliance with design and installation requirements of Part 195 for selected rural low-stress pipelines?* (DC.RU.RURALLOWSTRESS.R) (detail)

195.12(c)(1) (195.12(c)(2); 195.12(c)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Special Permits

1. 80% SMYS Special Permit/Waiver: Replacement (detail) *Do records indicate pipe replaced in accordance with the design and construction requirements of Part 195 and the conditions of the Special Permit?* (DC.SP.SP.R) (detail)

190.341(d)(2) (Special Permit)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Tanks and Storage

1. Cathodic Protection for Breakout Tanks (detail) *Is cathodic protection on breakout tanks required to be installed in accordance with API RP 651?* (DC.TS.BOCP.P) (detail)

195.402(c)(3) (195.565; 195.563(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Cathodic Protection for Breakout Tanks (detail) Do records indicate cathodic protection installed on breakout tanks in accordance with API RP 651? (DC.TS.BOCP.R) (detail)

195.404(c) (195.565; 195.563(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Cathodic Protection for Breakout Tanks (detail) Is cathodic protection on breakout tanks being installed in accordance with API RP 651? (DC.TS.BOCP.O) (detail)

195.565 (195.563(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Breakout Tank Overfill Protection (detail) Are overfill protection systems for new or altered aboveground breakout tanks required to meet the requirements specified in 195.428(c)? (DC.TS.BOOVERFILL.P) (detail)

195.402(c) (195.428(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Breakout Tank Overfill Protection (detail) Do records indicate that overfill protection systems for new or altered aboveground breakout tanks meet the requirements specified in 195.428(c)? (DC.TS.BOOVERFILL.R) (detail)

195.404 (195.428(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Breakout Tank Overfill Protection (detail) Do overfill protection systems for new or altered aboveground breakout tanks meet the requirements specified in 195.428(c)? (DC.TS.BOOVERFILL.O) (detail)

195.428(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Installing Bottom Linings in Aboveground Breakout Tanks (detail) *Are bottom linings required to be installed in aboveground breakout tanks to meet the requirements specified in 195.579(d)?* (DC.TS.BOBOTTOM.P) (detail)

195.402(c) (195.579(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Installing Bottom Linings in Aboveground Breakout Tanks (detail) *Do records indicate the installation of bottom linings in aboveground breakout tanks that meet the requirements specified in 195.579(d)?* (DC.TS.BOBOTTOM.R) (detail)

195.404 (195.579(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Installing Bottom Linings in Aboveground Breakout Tanks (detail) *Do bottom linings being installed in aboveground breakout tanks meet the requirements specified in 195.579(d)?* (DC.TS.BOBOTTOM.O) (detail)

195.579(d)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Repair, Alteration and Reconstruction of Aboveground Breakout Tanks that have Been in Service (detail) *Are breakout tanks required to be repaired, altered, or reconstructed in compliance with the requirements of 195.205?* (DC.TS.BOMODIFY.P) (detail)

195.205(a) (195.205(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Repair, Alteration and Reconstruction of Aboveground Breakout Tanks that have Been in Service (detail) *Do records indicate breakout tanks repaired, altered, or reconstructed in compliance with the requirements of 195.205(b)?* (DC.TS.BOMODIFY.R) (detail)

195.266 (195.205(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Repair, Alteration and Reconstruction of Aboveground Breakout Tanks that have Been in Service (detail) *Are breakout tanks being repaired, altered, or reconstructed in compliance with the requirements of 195.205(b)?* (DC.TS.BOMODIFY.O) (detail)

195.205(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Training and Qualification

1. Inspector Training (detail) *Does the process require any person performing inspections to be trained?* (DC.TQ.INSPECTORQUAL.P) (detail)

195.204

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Inspector Training (detail) *Do inspector training and qualification records demonstrate the inspector has been trained and is qualified?* (DC.TQ.INSPECTORQUAL.R) (detail)

195.204

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Design and Construction - Training and Qualification (OQ)

1. Skills and Knowledge of Personnel Performing Covered Tasks - Operator Employee (detail) *Does the process include covered tasks relating to "construction-type" maintenance?* (DC.TQOQ.OQPLAN.P) (detail)

195.505(a) (Operators OQ program manual)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Abnormal Operating Conditions - Construction Maintenance (detail) Do records demonstrate that identified construction-type maintenance AOCs are adequate? (DC.TQOQ.ABNORMAL.R) (detail)

195.505(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Skills and Knowledge of Personnel Performing Covered Tasks - Contractor Employees (detail) Are qualification records for contractor personnel maintained? (DC.TQOQ.OQCONTRACTOR.R) (detail)

195.505(b) (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.TQOQ.OQCONTRACTOR.O) (detail)

195.505(b) (Operators OQ program manual)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Qualification Records - Operator Employee (detail) Does the operator maintain qualification records for operator personnel? (DC.TQOQ.RECORDS.R) (detail)

195.505(b) (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.TQOQ.OQPLAN.O) (detail)

195.505(b) (Operators OQ program manual)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Qualification of Personnel Who Oversee Excavations and Backfilling Operations

(detail) Do records demonstrate individuals who oversee marking, trenching and backfilling operations are qualified? (DC.TQOQ.EXCAVATE.R) (detail)

195.505(b) (ADB-06-01)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Qualification of Personnel Who Oversee Excavations and Backfilling Operations

(detail) Do selected individuals who oversee marking, trenching and backfilling operations demonstrate adequate skills and knowledge? (DC.TQOQ.EXCAVATE.O) (detail)

195.505(b) (ADB-06-01)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Emergency Preparedness and Response - Emergency Planning OPA

1. Response Plan Submittal and Approval (confirm) Has a response plan been prepared and

submitted to PHMSA? (EP.EPO.OPASUBMITTAL.R) (confirm)

194.101(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Response Plan Retention Location (confirm) (presented above) Is the response plan maintained at

required locations? (EP.EPO.OPALOCATION.O) (confirm)

194.111(a) (194.111(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Training Records for Emergency Response Personnel (detail) *Is training for all emergency response personnel documented? (EP.EPO.OPATRaining.R) (detail)*

194.117(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Response Plan Review and Update (detail) *Do records indicate the response plan has been adequately reviewed and updated? (EP.EPO.OPAREVIEW.R) (detail)*

194.121(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Drill Program Requirements (detail) *Do records indicate the drill program follows the National Preparedness for Response Exercise Program (PREP) guidelines? (EP.EPO.OPADRILL.R) (detail)*

194.107(c)(1)(ix)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Emergency Preparedness and Response - Emergency Response Biofuels

1. Biofuels - OPA Plans (Vapors) (confirm) *Has the response plan to address ethanol vapors been revised and submitted to PHMSA? (EP.ERB.OPABIOVAPOR.R) (confirm)*

194.121(a) (194.121(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Biofuels - OPA Plans (Harm) (detail) *Has the operator's statement of significant and substantial harm been reviewed and modified, as necessary, to account for the new commodity transported? (EP.ERB.OPABIOHARM.R) (detail)*

194.103(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Biofuels - OPA Plans (Worst Case) (detail) *Have the processes and resources needed to respond to a worst case discharge been modified to accommodate the new commodity? (EP.ERB.OPABIOVOL.P) (detail)*

194.107(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Biofuels - OPA Plans (Response Zone) (detail) *Have response zone appendices been modified to reflect the new commodity? (EP.ERB.OPABIOZONE.R) (detail)*

194.113(b)(6)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Biofuels - OPA Plans (Emergency Readiness) (detail) *Do records indicate changes been made to arrangements for response resources to accommodate the different needs of an ethanol spill, including the need for additional appropriate foams to fight ethanol fires? (EP.ERB.OPABIOREADINESS.R) (detail)*

194.115(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Biofuels - OPA Plans (Response Training) (detail) *Do records indicate the training program been revised and implemented to assure that personnel engaged in response activities understand the changes needed to respond to an ethanol spill? (EP.ERB.OPABIOTRAINING.R) (detail)*

194.117(a)(3)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Biofuels - O&M (detail) Do records indicate the manual of written procedures for operations and maintenance has been reviewed and revised, as needed, to incorporate changes necessary to transport ethanol or other biofuels? (EP.ERB.BIOOM.R) (detail)

195.402(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Biofuels - Emergency Response (Personnel) (detail) Do records indicate training for emergency response personnel has been revised, as needed, to reflect the different conditions and response activities appropriate for ethanol emergencies and modified training implemented? (EP.ERB.BIOTRAINING.R) (detail)

195.403(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Biofuels - Emergency Response (Supervisors) (detail) Do records indicate verification that supervisors have a thorough knowledge of any changes to the emergency response procedures for which they are responsible? (EP.ERB.BIOSUPERVISE.R) (detail)

195.403(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Emergency Preparedness and Response - Emergency Response Liquids

1. Emergency Plan and Procedures (detail) Does the O&M plan include a requirement to review the emergency manual at intervals not exceeding 15 months, but at least once each calendar year, and make appropriate changes as necessary to ensure it is effective? (EP.ERL.REVIEW.P) (detail)

195.402(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Emergency Plan and Procedures (confirm) *Has the operator conducted annual reviews of the emergency plans and procedures as required and made appropriate changes?* (EP.ERL.REVIEW.R) (confirm)

195.402(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Emergency Plan and Procedures Locations (confirm) (presented above) *Are appropriate parts of the manual kept at locations where operations and maintenance activities are conducted?* (EP.ERL.LOCATION.O) (confirm)

195.402(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Accident Investigation Data (detail) *Does the O&M plan include processes for the gathering of data needed for reporting accidents under subpart B of this part in a timely and effective manner?* (EP.ERL.ACCIDENTDATA.P) (detail)

195.402(a) (195.402(c)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Accident Investigation Data (confirm) *Do the records demonstrate that the data needed for reporting accidents under subpart B of this part was done in a timely and effective manner?* (EP.ERL.ACCIDENTDATA.R) (confirm)

195.402(a) (195.402(c)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Accident Investigation (detail) *Does the O&M plan include processes for analyzing pipeline accidents to determine their causes?* (EP.ERL.ACCIDENTANALYSIS.P) (detail)

195.402(a) (195.402(c)(5); 195.402(c)(6))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Accident Investigation Data (confirm) *Do records indicate pipeline accidents were analyzed to determine their causes? (EP.ERL.ACCIDENTANALYSIS.R) (confirm)*

195.402(a) (195.402(c)(5))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Liaison with Public Officials (detail) *Does the O&M plan include processes for establishing and maintaining liaison with appropriate fire, police and other public officials and utility owners? (EP.ERL.LIAISON.P) (detail)*

195.402(a) (195.402(c)(12); 195.440(c); API RP 1162 Section 4.4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Liaison with Public Officials (detail) *Do records indicate liaisons are established and maintained with appropriate fire, police and other public officials and utility owners in accordance with procedures? (EP.ERL.LIAISON.R) (detail)*

195.402(a) (195.402(c)(12); 195.440(c); API RP 1162 Section 4.4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Receiving Notices (detail) *Does the emergency plan include processes for receiving, identifying, and classifying notices of events which need immediate response and providing notice to operator personnel or to fire, police or other appropriate officials, as appropriate, for corrective action? (EP.ERL.NOTICES.P) (detail)*

195.402(a) (195.402(e)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Receiving Notices (detail) *Do records indicate receiving, identifying, classifying and communicating notices of events requiring immediate response in accordance with procedures? (EP.ERL.NOTICES.R) (detail)*

195.402(a) (195.402(e)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Emergency Response (detail) Does the emergency plan include processes for making a prompt and effective response to a notice of each type of emergency, fire, explosion, accidental release of a hazardous liquid, operational failure, or natural disaster affecting the pipeline? (EP.ERL.RESPONSE.P) (detail)

195.402(a) (195.402(c)(4); 195.402(c)(6); 195.402(e)(2); 195.402(e)(10))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Emergency Response (confirm) Does the emergency plan include processes to ensure the availability of personnel, equipment, instruments, tools, and materials as needed at the scene of an emergency? (EP.ERL.READINESS.P) (confirm)

195.402(a) (195.402(e)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Emergency Response (confirm) Does the operator ensure the availability of personnel, equipment, instruments, tools, and materials as required by its procedures? (EP.ERL.READINESS.O) (confirm)

195.402(a) (195.402(e)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Emergency Response Release Reduction (detail) Does the emergency plan include processes for taking necessary action; such as an emergency shutdown or pressure reduction, to minimize the volume released from any section of a pipeline system in the event of a failure? (EP.ERL.RELEASEREDUCE.P) (detail)

195.402(a) (195.402(e)(4))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Emergency Response Hazard Reduction (detail) Does the emergency plan include processes for controlling the release of liquid at an accident scene to minimize the hazards, including possible ignition in the cases of flammable HVLs? (EP.ERL.HAZREDUCE.P) (detail)

195.402(a) (195.402(c)(11); 195.402(e)(5))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Emergency Response (detail) Does the emergency plan include procedures for minimizing public exposure to injury and probability of accidental ignition by assisting with evacuation, assisting with halting traffic on roads and railroads, or taking other appropriate action? (EP.ERL.PUBLICHAZ.P) (detail)

195.402(a) (195.402(e)(6))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Authority Notification (detail) Does the emergency plan include processes for notifying fire, police, and other appropriate public officials of hazardous liquid emergencies and coordinating with them preplanned and actual responses during an emergency, including additional precautions necessary for an emergency involving HVLs? (EP.ERL.AUTHORITIES.P) (detail)

195.402(a) (195.402(e)(7))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Authority Notification (detail) Do records indicate that notifications were made to fire, police, and other appropriate public officials of hazardous liquid emergencies and were coordinated with preplanned and actual responses (including additional precautions necessary for an emergency involving HVLs)? (EP.ERL.AUTHORITIES.R) (detail)

195.402(a) (195.402(e)(7))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Emergency Response - HVL Instruments (detail) Does the emergency plan include processes for determining the extent and coverage of vapor cloud and hazardous areas of HVLs by using appropriate instruments? (EP.ERL.HVLMEASURE.P) (detail)

195.402(a) (195.402(e)(8))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Emergency Response - HVL Instruments (detail) In the case of an HVL release, do records indicate the operator utilized appropriate instruments to address vapor clouds in accordance with its procedures? (EP.ERL.HVLMEASURE.R) (detail)

195.402(a) (195.402(e)(8))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

22. Emergency Response - Post-Accident Review (confirm) *Does the emergency plan include processes for providing for a post-accident review of employee activities to determine whether the procedures were effective in each emergency and taking corrective action where deficiencies are found? (EP.ERL.POSTEVNTREVIEW.P) (confirm)*

195.402(a) (195.402(e)(9))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

23. Emergency Response - Post-Accident Review (confirm) *Do records indicate post accident reviews of employee activities were performed to determine whether the procedures were effective in each emergency and take corrective action where deficiencies are found? (EP.ERL.POSTEVNTREVIEW.R) (confirm)*

195.402(a) (195.402(e)(7); 195.402(e)(9))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

24. Communication System Requirements (detail) *Does the process address emergency communication system(s)? (EP.ERL.COMMSYS.P) (detail)*

195.408(a) (195.408(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

25. Communication System Requirements (detail) *Do records indicate emergency communication system(s) use was as required? (EP.ERL.COMMSYS.R) (detail)*

195.408(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

26. Communication System Requirements (detail) *Is an emergency communication system provided? (EP.ERL.COMMSYS.O) (detail)*

195.408(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Emergency Preparedness and Response - Emergency Training of Personnel

1. Emergency Response Training (detail) *Has a continuing training program to instruct emergency response personnel been established and conducted?* (EP.ETR.TRAINING.P) (detail)

195.403(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Emergency Response Training (detail) *Do records indicate the operator provided training to its emergency response personnel as required?* (EP.ETR.TRAINING.R) (detail)

195.403(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.403(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Emergency Response Training Performance (detail) *Does the training program contain a provision requiring an annual review of the program and the making of changes as necessary to ensure it is effective?* (EP.ETR.TRAININGREVIEW.P) (detail)

195.403(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Emergency Response Training Performance (confirm) *Have annual reviews of the emergency response training program been conducted appropriate changes made as necessary to ensure it is effective?* (EP.ETR.TRAININGREVIEW.R) (confirm)

195.403(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Emergency Response Training Performance (detail) *Does the process require and verify that supervisors be knowledgeable of emergency response procedures for which they are responsible?* (EP.ETR.TRAININGSUPERVISE.P) (detail)

195.403(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Emergency Response Supervisor Training (detail) *Do records indicate verification that supervisors are knowledgeable of emergency response procedures for which they are responsible?* (EP.ETR.TRAININGSUPERVISE.R) (detail)

195.403(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Emergency Response Supervisor Training (detail) *Do emergency response supervisors demonstrate adequate skills and knowledge?* (EP.ETR.TRAININGSUPERVISE.O) (detail)

195.403(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Facilities and Storage - Tanks and Storage - Inspection

1. Breakout Tank Inspection (detail) *Does the process describe the interval and method for performing inspections of breakout tanks? [Question applies to tanks that are not steel atmospheric, low pressure tanks, or HVL steel tanks built according to API 2510.]* (FS.TSAPIINSPECT.BOINSPECTION.P) (detail)

195.402(c)(3) (195.432(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Breakout Tank Inspection (confirm) *Do records document that breakout tanks that are not steel atmospheric or low pressure tanks or HVL steel tanks built according to API 2510 have been inspected at the proper interval and that deficiencies found during inspections have been corrected?* (FS.TSAPIINSPECT.BOINSPECTION.R) (confirm)

195.404(c)(3) (195.432(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Breakout Tank Inspection - In-service (detail) *Does the process describe the interval and method for performing routine in-service inspections of steel atmospheric or low pressure breakout tanks?* (FS.TSAPIINSPECT.BOINSRVCINSP.P) (detail)

195.402(c)(3) (195.432(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Breakout Tank Inspection - In-service (confirm) *Do records document that steel atmospheric or low pressure breakout tanks have received routine in-service inspections at the required intervals and that deficiencies found during inspections have been documented?* (FS.TSAPIINSPECT.BOINSRVCINSP.R) (confirm)

195.404(c)(3) (195.432(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Breakout Tank Inspection - External (detail) *Does the process describe the interval and method for performing external inspections of breakout tanks that are steel (atmospheric or low pressure) tanks?* (FS.TSAPIINSPECT.BOEXTINSP.P) (detail)

195.402(c)(3) (195.432(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Breakout Tank Inspection - External (confirm) *Do records document that steel atmospheric or low pressure breakout tanks have received external inspections at the required intervals and that deficiencies documented during inspections have been corrected within a reasonable time frame?* (FS.TSAPIINSPECT.BOEXTINSP.R) (confirm)

195.404(c)(3) (195.432(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Breakout Tank Inspection - External UT (detail) Does the process describe the interval and method for performing external, ultrasonic thickness inspections of breakout tanks that are steel (atmospheric or low pressure) tanks? (FS.TSAPIINSPECT.BOEXTUTINSP.P) (detail)

195.402(c)(3) (195.432(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Breakout Tank Inspection - External UT (confirm) Do records document that steel atmospheric or low pressure breakout tanks have received ultrasonic thickness inspections at the required intervals and that deficiencies found during inspections have been documented? (FS.TSAPIINSPECT.BOEXTUTINSP.R) (confirm)

195.404(c)(3) (195.432(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Breakout Tank Inspection - Internal (detail) Does the process describe the interval and method for performing formal internal inspections of breakout tanks that are steel (atmospheric or low pressure) tanks? (FS.TSAPIINSPECT.BOINTINSP.P) (detail)

195.402(c)(3) (195.432(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Breakout Tank Inspection - Internal (confirm) Do records document that steel atmospheric or low pressure breakout tanks have received formal internal inspections at the required intervals and that deficiencies found during inspections have been documented? (FS.TSAPIINSPECT.BOINTINSP.R) (confirm)

195.404(c)(3) (195.432(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Breakout Tank Inspection - External Visual (detail) Does the process describe the interval and method for performing visual external inspections of in-service pressure steel aboveground breakout tanks built to API Standard 2510? (FS.TSAPIINSPECT.BOEXTINSPAPI2510.P) (detail)

195.402(c)(3) (195.432(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Breakout Tank Inspection - External Visual (confirm) Do records document that in-service pressure steel aboveground breakout tanks built to API Standard 2510 have received visual external inspections at the required intervals and that deficiencies found have been corrected? (FS.TSAPIINSPECT.BOEXTINSPAPI2510.R) (confirm)

195.404(c)(3) (195.432(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Breakout Tank Inspection -Internal In-service (detail) Does the process describe the interval and method for performing internal inspections of in-service pressure steel aboveground breakout tanks built to API Standard 2510? (FS.TSAPIINSPECT.BOINTINSPAPI2510.P) (detail)

195.402(c)(3) (195.432(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Breakout Tank Inspection -Internal In-service (confirm) Do records document that in-service pressure steel aboveground breakout tanks built to API Standard 2510 received internal inspections at the required intervals and that deficiencies found have been corrected? (FS.TSAPIINSPECT.BOINTINSPAPI2510.R) (confirm)

195.404(c)(3) (195.432(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Breakout Tank Inspection (confirm) Is the condition of steel atmospheric or low pressure tanks acceptable? (FS.TSAPIINSPECT.BOINSPECTION.O) (confirm)

195.432(a) (195.432(b); 195.432(c); 195.401(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Facilities and Storage - Facilities General

1. Signage (detail) Does the process require operator signs to be posted around each pump station and breakout tank area? (FS.FG.SIGNAGE.P) (detail)

195.402(c)(3) (195.434)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Signage (confirm) (presented above) Are there operator signs around each pumping station, breakout tank area, and other applicable facilities? (FS.FG.SIGNAGE.O) (confirm)

195.434

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Facility Protection (detail) Does the process require facilities to be protected from vandalism and unauthorized entry? (FS.FG.PROTECTION.P) (detail)

195.402(c)(3) (195.436)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Facility Protection (confirm) (presented above) Are facilities adequately protected from vandalism and unauthorized entry? (FS.FG.FACPROTECT.O) (confirm)

195.436

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Smoking/Open Flames (detail) Does the process prohibit smoking and open flames in each pump station and breakout tank area or where there is the possibility of the leakage of a flammable hazardous liquid or of the presence of flammable vapors? (FS.FG.IGNITION.P) (detail)

195.402(c)(3) (195.438)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Smoking/Open Flames (confirm) Do records show precautions taken to prevent ignition sources in areas of with a potential for accumulating flammable vapors or leaking hazardous liquids? (FS.FG.IGNITION.R) (confirm)

195.404(c) (195.438)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Smoking/Open flames (confirm) (presented above) Is there signage that prohibits smoking and open flames around pump stations, launchers and receivers, breakout tank areas, or other applicable facilities? (FS.FG.IGNITION.O) (confirm)

195.438

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Firefighting Equipment (detail) Does the process require firefighting equipment at pump station/breakout tank areas? (FS.FG.FIREPROT.P) (detail)

195.402(c)(3) (195.430(a); 195.430(b); 195.430(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Firefighting Equipment (detail) Are records of inspections of firefighting equipment adequate? (FS.FG.FIREPROT.R) (detail)

195.404(c)(3) (195.430(a); 195.430(b); 195.430(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Pump Station Fire Protection (confirm) (presented above) Has adequate fire protection equipment been installed at pump station/breakout tank areas and is it maintained properly? (FS.FG.FIREPROT.O) (confirm)

195.430(a) (195.430(b); 195.430(c); 195.262(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Pump Station Fire Protection (detail) *Has motive power, separate from pump station power, been provided for that fire protection equipment that incorporates pumps?* (FS.FG.PSFIREPROTPWR.O) (detail)

195.262(e)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Facilities and Storage - Pump Stations

1. Pump Station Ventilation (detail) *Has adequate ventilation been provided at pump station buildings?* (FS.PS.VENTILATION.O) (detail)

195.262(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Pump Station Vapors (detail) *Have warning devices that warn of the presence of hazardous vapors been installed at new pump station buildings?* (FS.PS.VAPORALARM.O) (detail)

195.262(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Pump Station Overpressure Devices (detail) *Are there records that each safety device has been tested and found adequate under operating conditions prior to the use of the pump station?* (FS.PS.PSOVERPRESS.R) (detail)

195.262(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Pump Station Overpressure Devices (detail) *Have safety devices been installed to prevent over-pressuring new or modified pumping equipment?* (FS.PS.PSOVERPRESS.O) (detail)

195.262(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Pump Station Emergency Shutdown Devices (detail) *Has a device for activating emergency shutdown of the pump station been installed?* (FS.PS.PSESD.O) (detail)

195.262(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Pump Station Auxiliary Power (detail) *If power is needed to actuate safety devices, has an auxiliary power supply been provided?* (FS.PS.PSAUXPWR.O) (detail)

195.262(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Pump Station Location (detail) *Has on-shore pumping equipment been installed on property under the control of the operator and is that equipment at least 50 feet from the boundary of that property?* (FS.PS.PSLOCATION.O) (detail)

195.262(d)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Pump Station Above Ground Piping (detail) *Have above ground components within the pump station been protected from anticipated loads?* (FS.PS.ABVGRNDPIPING.O) (detail)

195.254(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Pressure Control Inspection & Testing (detail) *Does the process require testing and inspecting regulated pressure control devices at the required interval?* (FS.PS.PRESSCNTRLTEST.P) (detail)

195.402(c)(3) (195.428(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Pressure Control Inspection & Testing - HVL (detail) *Does the process require testing and inspecting regulated HVL pressure control devices at the required interval?* (FS.PS.PRESSCNTRLTESTHVL.P) (detail)

195.402(c)(3) (195.428(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Facilities and Storage - Tanks and Storage

1. Testing and inspecting pressure limiting devices, relief valves (except on HVL pressure breakout tanks) (detail) *Does the process require inspection and testing of pressure limiting devices, relief valves (except on HVL pressure breakout tanks), pressure regulators, or other items of pressure control at the required frequency?* [Note: This question applies to HVL and non-HVL breakout tanks, except for relief valves on HVL tanks (see FS.TS.PRVTTESTHVLBO.P).] (FS.TS.PRESSREGTESTBO.P) (detail)

195.402(c)(3) (195.428(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Testing and inspecting pressure limiting devices, relief valves (except on HVL pressure breakout tanks) (confirm) *Do records document testing and inspection of pressure limiting devices, relief valves (except on HVL pressure breakout tanks), pressure regulators, or other items of pressure control at the required frequency?* [Note: This question applies to HVL and non-HVL breakout tanks, except for relief valves on HVL tanks (see FS.TS.PRVTTESTHVLBO.R).] (FS.TS.PRESSREGTESTBO.R) (confirm)

195.404(c)(3) (195.428(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Testing HVL Breakout Tank Reliefs (detail) *Does the process require inspection and testing of pressure relief valves on HVL pressure breakout tanks at the required frequency?* (FS.TS.PRVTTESTHVLBO.P) (detail)

195.402(c)(3) (195.428(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Testing HVL Breakout Tank Reliefs (confirm) *Do records document testing and inspection of relief valves on HVL pressure breakout tanks at the required frequency?* (FS.TS.PRVTTESTHVLBO.R) (confirm)

195.404(c)(3) (195.428(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. HVL Breakout Tank Pressure Relief (confirm) (presented above) *Do pressure control devices installed on HVL pressure breakout tanks appear to be in satisfactory mechanical condition and to be functioning properly?* (FS.TS.PRVTTESTHVLBO.O) (confirm)

195.428(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Breakout Tank Overfill Protection (detail) *Does the process require adequate testing and inspection of overfill devices on aboveground breakout tanks at the required interval? [Note: This question applies to both non-HVL and HVL pressure breakout tanks.]* (FS.TS.OVERFILLBO.P) (detail)

195.402(c)(3) (195.428(a); 195.428(c); 195.428(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Breakout Tank Overfill Protection (confirm) *Do records document the inspection and testing of overfill protection devices on aboveground breakout tanks at the required interval? [Note: This question applies to both non-HVL and HVL pressure breakout tanks.]* (FS.TS.OVERFILLBO.R) (confirm)

195.404(c)(3) (195.428(a); 195.428(c); 195.428(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Breakout Tank Overfill Protection (confirm) (presented above) *Do selected overfill protection systems on aboveground breakout tanks that were constructed or significantly altered after October 2, 2000 function properly and are they in good mechanical condition? [Note: This question applies to both non-HVL and HVL pressure breakout tanks.]* (FS.TS.OVERFILLBO.O) (confirm)

195.428(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Breakout Tank Inspection (confirm) (presented above) *Is the condition of steel atmospheric or low pressure tanks acceptable?* (FS.TS.BOINSPECTION.O) (confirm)

195.432(a) (195.432(b); 195.432(c); 195.401(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Protection Against Ignitions During O&M of Breakout Tanks (detail) *Does the process describe how the operator protects against ignitions arising out of static electricity, lightning, and stray currents during operation and maintenance activities of aboveground breakout tanks?* (FS.TS.IGNITIONBO.P) (detail)

195.402(c)(3) (195.405(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Protection Against Ignitions During O&M of Breakout Tanks (detail) *Do records indicate protection against ignitions arising out of static electricity, lightning, and stray currents during operation and maintenance activities of aboveground breakout tanks?* (FS.TS.IGNITIONBO.R) (detail)

195.404(c) (195.405(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Protection against Ignitions during O&M of Breakout Tanks (detail) *Is there protection provided against ignitions arising out of static electricity, lightning, and stray currents during operation and maintenance activities of aboveground breakout tanks?* (FS.TS.IGNITIONBO.O) (detail)

195.405(a) (195.401(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Floating Roof Access/Egress Hazards (detail) *Does the process associated with access/egress onto floating roofs of in-service aboveground breakout tanks to perform inspection, service, maintenance or repair activities of in-service tanks indicate that the operator has reviewed and considered the potentially hazardous conditions, safety practices and procedures in API Publication 2026?* (FS.TS.FLOATINGROOF.P) (detail)

195.402(c)(3) (195.405(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Floating Roof Access/Egress Hazards (detail) Do records indicate access/egress onto floating roofs of in-service aboveground breakout tanks to perform inspection, service, maintenance, or repair activities of in-service tanks is performed consistent with API Publication 2026? (FS.TS.FLOATINGROOF.R) (detail)

195.404(c) (195.405(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Design of Breakout Tanks (detail) If a breakout tank first went into service after October 2, 2000 was it designed and constructed to withstand internal pressures and external forces by being designed and constructed to the applicable API or ASME Standard or Specification? (FS.TS.DESIGNBO.R) (detail)

194.404(c) (195.132(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Breakout Tank Impoundments (detail) If a breakout tank first went into service after October 2, 2000 do records indicate it has an adequate impoundment? (FS.TS.IMPOUNDBO.R) (detail)

195.404(c) (195.264(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Breakout Tank Impoundments (detail) If a breakout tank first went into service after October 2, 2000 does it have an adequate impoundment? (FS.TS.IMPOUNDBO.O) (detail)

195.264(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Breakout Tank Venting (detail) Do records indicate that normal/emergency relief venting and pressure/vacuum-relieving devices installed on aboveground breakout tanks after October 2, 2000 are adequate? (FS.TS.VENTBO.R) (detail)

195.404(c) (195.264(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Breakout Tank Venting (confirm) (presented above) *Is normal/emergency relief venting and pressure/vacuum-relieving devices installed on aboveground breakout tanks after October 2, 2000 adequate?* (FS.TS.BOVENT.O) (confirm)

195.264(d)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Breakout Tank Pressure Testing (detail) *Have written test procedures been developed for testing repaired, altered, or reconstructed breakout tanks that were returned to service after October 2, 2000?* (FS.TS.PRESSTESTBO.P) (detail)

195.402(c) (195.307(d); 195.310(a); 195.310(b); API 653)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Breakout Tank Pressure Testing (detail) *Have aboveground breakout tanks been pressure tested to their corresponding API or ASME Standard or Specification and do pressure test records contain the required information?* (FS.TS.PRESSTESTBO.R) (detail)

195.310(a) (195.310(b); 195.307)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Facilities and Storage - Valves

1. Pump Station Valves (detail) *Have valves been installed at locations that allow the pump station equipment to be isolated in the event of an emergency?* (FS.VA.PSISOVALVES.O) (detail)

195.260(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Valve Maintenance (detail) *Is the process for maintaining valves in good working order adequate?*

(FS.VA.VALVEMAIN.P) (detail)

195.402(c)(3) (195.420(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Valve Maintenance (confirm) *Do records document maintenance performed on selected valves required for the safe operation of the pipeline?* (FS.VA.VALVEMAIN.R) (confirm)

195.404(c)(2) (195.420(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Valve Maintenance (confirm) (presented above) *Are valves necessary for the safe operation the pipeline systems in good working order?* (FS.VA.VALVEMAIN.O) (confirm)

195.420(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Valve Inspection and Testing (detail) *Are the processes for testing and inspecting mainline valves adequate and do they require the testing and inspection at the required frequency?* (FS.VA.VALVEINSP.P) (detail)

195.402(c)(3) (195.420(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Valve Inspection and Testing (detail) *Are testing and inspection of valves performed adequately?*

(FS.VA.VALVEINSP.O) (detail)

195.420(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Valve Protection (detail) Does the process give adequate direction how valves will be protected from vandalism? (FS.VA.VALVEPROTECT.P) (detail)

195.402(c)(3) (145.420(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Valve protection (confirm) (presented above) Are valves protected from unauthorized operation and vandalism? (FS.VA.VALVEPROTECT.O) (confirm)

195.420(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Integrity Management - Biofuels

1. Consideration of Transportation of Biofuels on Identification of Segments that can Affect an HCA (detail) Does the process include an analysis of pipeline segments that could affect high consequence areas to determine if changes are needed due to the different nature of ethanol (e.g., viscosity, miscibility in water)? (IM.BIO.BIOHCA.P) (detail)

195.452(f)(1) (195.6(a); 195.6(b); 195.6(c); 195.450; 195.452(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Consideration of Transportation of Biofuels on Potential Effects on HCAs due to Vapor Release (detail) Does the process include an analysis of potential effects on HCAs due to vapor release considering the volatility of ethanol? (IM.BIO.BIOHCAVAPOR.P) (detail)

195.452(f)(1) (195.6(a); 195.6(b); 195.6(c); 195.450; 195.452(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Consideration of Transportation of Biofuels on Risk Analysis (confirm) *Do records indicate information and risk analyses were revised to reflect transport of ethanol and have potential new threats, effects of ethanol on the integrity of pipeline components, and potential changes in consequences of a release been considered?* (IM.BIO.BIORISKANALYSIS.R) (confirm)

195.452(l)(1)(ii) (195.452(f)(3); 195.452(g); 195.452(e)(1)(iv); 195.452(k))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Consideration of Transportation of Biofuels on Assessment Methods (confirm) *Do records indicate consideration of new/additional assessment methods that may be needed or whether IM assessments should be conducted more frequently?* (IM.BIO.BIOASSESSMETHOD.R) (confirm)

195.452(l)(1)(ii) (195.452(f)(5); 195.452(j)(5))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Consideration of Transportation of Biofuels on Assessment Scheduling (confirm) *Do records indicate consideration of whether a change in product transported requires a change in assessment schedule?* (IM.BIO.BIOASSESSCHED.R) (confirm)

195.452(l)(1)(ii) (195.452(f)(5); 195.452(j)(1); 195.452(j)(3); 195.452(e)(1)(iv); 195.452(k))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Consideration of Transportation of Biofuels on Leak Detection Systems to Protect an HCA (detail) *Does the process for evaluation of leak detection require a determination of adequacy to protect high consequence areas considering the nature and different consequences of an ethanol release?* (IM.BIO.BIOLEAKDET.P) (detail)

195.452(f)(6) (195.452(i)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Consideration of Transportation of Biofuels on Leak Detection Systems to Protect an HCA (confirm) Do records indicate consideration of the need for additional preventive and mitigative measures to address new/increased threats or consequences posed by ethanol or biofuels? (IM.BIO.BIOLEAKDET.R) (confirm)

195.452(l)(1)(ii) (195.452(i)(3); 195.452(f)(6))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Consideration of Transportation of Biofuels on Preventive and Mitigative Measures (confirm) Do records indicate consideration of the need for additional preventive and mitigative measures to address new/increased threats or consequences posed by ethanol or biofuels? (IM.BIO.BIOPMM.R) (confirm)

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Consideration of Transportation of Biofuels on Need for Additional EFRDs (detail) Do records indicate consideration of whether additional EFRDs are needed to protect high consequence areas given ethanol's miscibility in water? (IM.BIO.BIOEFRD.R) (detail)

195.452(l)(1)(ii) (195.452(f)(6); 195.452(i)(4))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Consideration of Transportation of Biofuels on Need for Additional Performance Measures (detail) Does the process require a determination of additional performance measures to the IM program to measure potential effects of ethanol? (IM.BIO.BIOPERFMEAS.P) (detail)

195.452(f)(7) (195.452(k))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Integrity Management - Continual Evaluation and Assessment

1. IMP Periodic Evaluation (detail) *Does the process include adequate provisions for performing periodic evaluations of pipeline integrity?* (IM.CA.PERIODICEVAL.P) (detail)

195.452(f)(5) (195.452(e); 195.452(j)(1); 195.452(j)(2); 195.452(g))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. IMP Periodic Evaluation (confirm) *Do records indicate that periodic evaluations of pipeline integrity are performed on a technically justified frequency?* (IM.CA.PERIODICEVAL.R) (confirm)

195.452(l)(1)(ii) (195.452(f)(5); 195.452(e); 195.452(j)(1); 195.452(j)(2); 195.452(g))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. IMP Continual Evaluation and Assessment Intervals (detail) *Did the operator's plan identify all of the risk factors that reflect the conditions on the pipeline segment to establish an assessment schedule?* (IM.CA.ASSESSINTERVAL.P) (detail)

195.452(f)(5) (195.452(e); 195.452(g))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. IMP Continual Evaluation and Assessment Intervals (detail) *Are assessment intervals consistent with the risks identified for the pipeline and the results of previous assessments?* (IM.CA.ASSESSINTERVAL.R) (detail)

195.452(l)(1)(ii) (195.452(f)(5); 195.452(e); 195.452(j)(1); 195.452(j)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. IMP Continual Evaluation and Assessment Methods (detail) *Does process specify the assessment methods that are appropriate for the pipeline specific integrity threats?* (IM.CA.ASSESSMETHOD.P) (detail)

195.452(f)(5) (195.452(j)(5); 195.452(g))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. IMP Continual Evaluation and Assessment Methods (detail) *Are assessment methods shown in the assessment plan appropriate for the pipeline specific integrity threats?* (IM.CA.ASSESSMETHOD.R) (detail)

195.452(l)(1)(ii) (195.452(f)(5); 195.452(j)(5))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. IMP Continual Evaluation and Assessment Interval Variance Notification (detail) *Does the process include adequate methodology for submitting variance notifications to PHMSA for assessment intervals longer than the 5-year maximum assessment interval and unavailable technology?* (IM.CA.ASSESSNOTIFY.P) (detail)

195.452(f)(5) (195.452(j)(4); 195.452(m))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. IMP Continual Evaluation and Assessment Interval Variance Notification (detail) *Have variance notifications been submitted to PHMSA for assessment intervals longer than the 5-year maximum assessment interval and unavailable technology?* (IM.CA.ASSESSNOTIFY.R) (detail)

195.452(l)(1)(ii) (195.452(f)(5); 195.452(m); 195.452(j)(4))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Integrity Management - High Consequence Areas

1. IMP HCA Definitions (detail) *Does the operator's plan include all of the definitions of an HCA?* (IM.HC.HCADEFINITION.P) (detail)

195.450 (195.6)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. IMP High Consequence Areas HCA Identification (detail) *Does the process that requires identification of HCA-affecting segments include steps to identify, document, and maintain up-to-date geographic locations and boundaries of HCAs using the NPMS and other information sources as necessary? (IM.HC.HCALOCATION.P) (detail)*

195.452(f)(1) (195.452(a); 195.452(d)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. IMP High Consequence Areas HCA Identification (detail) *Are locations and boundaries of segments that can affect HCAs correctly identified and maintained up-to-date? (IM.HC.HCALOCATION.O) (detail)*

195.452(b)(5) (195.452(a); 195.452(b)(2); 195.453(f)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. IMP High Consequence Areas Direct Intersect Method and Direct Intersect Exceptions (detail) *Is the process adequate to determine all locations where pipeline systems "could affect" a high consequence area, including pipelines that are located in HCAs? (IM.HC.HCAIDENT.P) (detail)*

195.452(f)(1) (195.452(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. IMP High Consequence Areas Direct Intersect Method and Direct Intersect Exceptions (detail) *Do records indicate that all locations where a pipeline system is located in an HCA are determined and, if any exceptions for segments that directly intersect an HCA are taken, an adequate and convincing technical justification is provided? (IM.HC.HCAIDENT.R) (detail)*

195.452(l)(1)(ii) (195.452(f)(1); 195.6(a); 195.6(b); 195.6(c); 195.450; 195.452(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. IMP High Consequence Areas Release Locations and Spill Volumes (detail) *Does the process include technically adequate methods to determine the locations/scenarios and volume of potential commodity releases?* (IM.HC.HCARELEASE.P) (detail)

195.452(f)(1) (195.452(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. IMP High Consequence Areas Release Locations and Spill Volumes (detail) *Do records indicate that identified release locations and spill volumes are appropriate, technically adequate, and determined consistent with the documented process?* (IM.HC.HCARELEASE.R) (detail)

195.452(l)(1)(ii) (195.452(f)(1); 195.6(a); 195.6(b); 195.6(c); 195.450; 195.452(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. IMP High Consequence Areas Overland Spread of Liquid Pool (detail) *Does the process include a technically adequate analysis of overland flow of liquids to determine the extent of commodity spread and its effects on HCAs?* (IM.HC.HCAOVERLAND.P) (detail)

195.452(f)(1) (195.452(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. IMP High Consequence Areas Overland Spread of Liquid Pool (detail) *Do records indicate the overland spread analysis (if applicable) is technically adequate and consistent with program requirements?* (IM.HC.HCAOVERLAND.R) (detail)

195.452(l)(1)(ii) (195.452(f)(1); 195.452(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. IMP High Consequence Areas Water Transport Analysis (detail) *Does the process include a technically adequate analysis approach for water transport of liquids to determine the extent of commodity spread and its effects on HCAs?* (IM.HC.HCAH2OTRANSP.P) (detail)

195.452(f)(1) (195.452(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. IMP High Consequence Areas Water Transport Analysis (detail) *Do records indicate that water transport analysis (if applicable) is technically adequate and consistent with its program requirements?* (IM.HC.HCAH2OTRANSP.R) (detail)

195.452(l)(1)(ii) (195.452(f)(1); 195.452(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. IMP High Consequence Areas Air Dispersion Analysis (detail) *Does the process include a technically adequate analysis of the dispersion of vapors from the release of highly volatile liquids and volatile liquids to determine effects on HCAs?* (IM.HC.HCAAIRDISP.P) (detail)

195.452(f)(1) (195.452(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. IMP High Consequence Areas Air Dispersion Analysis (detail) *Do records indicate that the analysis of air dispersion of vapors (if applicable) is technically adequate and consistent with its program requirements?* (IM.HC.HCAAIRDISP.R) (detail)

195.452(l)(1)(ii) (195.452(f)(1); 195.452(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. IMP High Consequence Areas Identification of Segments that Could Indirectly Affect an HCA (Buffer Zone) (detail) *Does the process identify all locations of segments that do not intersect, but could indirectly affect, an HCA (buffer zone)?* (IM.HC.HCAINDIRECT.P) (detail)

195.452(f)(1) (195.452(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. IMP High Consequence Areas Identification of Segments that Could Indirectly Affect an HCA (Buffer Zone) (detail) *Do the records indicate that endpoints of segments that could affect an HCA have been correctly identified where a buffer zone approach is utilized?* (IM.HC.HCAINDIRECT.R) (detail)

195.452(l)(1)(ii) (195.452(f)(1); 195.452(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. HCA Analysis Validity Check (confirm) *Does the HCA analysis bound historical releases/accidents?*

(IM.HC.HCABOUNDING.R) (confirm)

195.452(f)(1) (195.452(b)(4))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. IMP High Consequence Areas Timely Completion of Segment Identification (detail)

Does the process require completion of segment identification for Category 3 pipelines prior to beginning of operation?

(IM.HC.HCACAT3.P) (detail)

195.452(f)(1) (195.452(b)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. IMP High Consequence Areas Timely Completion of Segment Identification (confirm)

Do records indicate completion of segment identification for Category 3 pipelines prior to beginning of operation?

(IM.HC.HCACAT3.R) (confirm)

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Integrity Management - Preventive and Mitigative Measures

1. P&M Measures Actions Considered (detail) *Do the processes to identify additional preventive and*

mitigative actions include consideration of risk and cover a spectrum of alternatives? (Note: Leak detection and EFRDs are covered in more detail in subsequent questions within this sub-module.) (IM.PM.PMMGENERAL.P) (detail)

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. P&M Measures Actions Implemented (detail) *Have preventive and mitigative actions been implemented as described in the records?* (IM.PM.PMMIMPLEMENT.O) (detail)

195.452(f)(6) (195.452(i)(1); 195.452(i)(2); 195.452(i)(3); 195.452(i)(4))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. P&M Measures Risk Analysis Application (detail) *Does the process evaluate the effects of potential actions on reducing the likelihood and consequences of pipeline releases?* (IM.PM.PMMRISK.P) (detail)

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. P&M Measures Risk Analysis Application (detail) *Do records demonstrate evaluation of the effects of potential actions on reducing the likelihood and consequences of pipeline releases?* (IM.PM.PMMRISK.R) (detail)

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. P&M Measures Decision Basis (detail) *Does the process provide adequate basis for deciding which candidate preventive and mitigative actions are implemented?* (IM.PM.PMMBASIS.P) (detail)

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. P&M Measures Decision Basis (detail) *Do records indicate that the P&MM decision making process has been applied as specified?* (IM.PM.PMMBASIS.R) (detail)

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Consideration of Transportation of Biofuels on Preventive and Mitigative Measures (detail) *Do the processes to identify additional preventive and mitigative actions include consideration of risk and cover a spectrum of alternatives for transport of ethanol or biofuels?* (IM.BIO.BIOPMM.P) (detail)

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. P&M Measures Leak Detection Capability Evaluation (detail) *Does the process for evaluating leak detection capability consider all of the 195.452(i)(3) required factors and other relevant factors?* (IM.PM.IMLEAKDETEVAL.P) (detail)

195.452(f)(6) (195.452(i)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.452(l)(1)(ii) (195.452(f)(6); 195.452(i)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. High Consequence Area Protection (confirm) *What leak detection measures are taken to prevent and mitigate the consequences of a pipeline failure on an HCA?* (IM.PM.IMLEAKDETHCA.R) (confirm)

195.452(l)(1)(ii) (195.452(i)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. High Consequence Area Protection (confirm) *Have leak detection measures taken to prevent and mitigate the consequences of a pipeline failure in an HCA been implemented?* (IM.PM.IMLEAKDETHCA.O) (confirm)

195.452(i)(3)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. P&M Measures EFRD Need Evaluation (detail) *Do processes for evaluating the need for additional EFRDs consider all of the 195.452(i)(4) required factors and other relevant factors?* (IM.PM.PMMEFRD.P) (detail)

195.452(f)(6) (195.452(i)(4))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. P&M Measures EFRD Need Evaluation (detail) *Do records indicate that all required and other relevant EFRD evaluation factors were adequately evaluated and any actions taken as appropriate?* (IM.PM.PMMEFRD.R) (detail)

195.452(l)(1)(ii) (195.452(f)(6); 195.452(i)(4))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.452(i)(4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Integrity Management - Quality Assurance

1. Measuring Program Effectiveness (detail) *Does the process for measuring IM program effectiveness include the elements necessary to conduct a meaningful evaluation?* (IM.QA.IMPERFEFFECTIVE.P) (detail)

195.452(f)(7) (195.452(k))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Measuring Program Effectiveness (confirm) *Do records indicate the methods to measure program effectiveness provide effective evaluation of program performance and result in program improvements where necessary?* (IM.QA.IMPERFEFFECTIVE.R) (confirm)

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. 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)

195.452(f)(7) (195.452(k))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Record Keeping (detail) *Is the process adequate to assure that the records required for integrity management program applications are maintained?* (IM.QA.RECORDS.P) (detail)

195.452(l) (195.404(c)(1); 195.452(c)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Record Keeping (detail) *From a review of records, has the operator documented decisions, analysis, and actions taken to implement and evaluate each key integrity management program activity?* (IM.QA.RECORDS.R) (detail)

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Integrity Management - Risk Analysis

1. Risk Analysis Comprehensiveness of Approach (detail) *Do processes for evaluating risk to HCAs require consideration of all relevant threat categories and risk factors when evaluating pipeline segments? (IM.RA.RAMETHOD.P) (detail)*

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Risk Analysis Integration of Risk Information (detail) *Do processes for evaluating risk to HCAs include the appropriate risk factors and other information? (IM.RA.RAINTTEGRATE.P) (detail)*

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Stress Corrosion Cracking Risk (detail) *Does the IM risk assessment process give adequate criteria for evaluating and determining if stress corrosion cracking is a threat on the pipeline(s)? (IM.RA.SCCRISK.P) (detail)*

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Stress Corrosion Cracking Risk (detail) *Has an IM risk assessment been performed addressing the threat of stress corrosion cracking on their pipeline segments that could affect an HCA? (IM.RA.SCCRISK.R) (detail)*

195.452(l)(1)(ii) (195.452(f)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Risk Analysis Input Information (detail) *Are processes for data and information input into the risk analysis process adequate and appropriate? (IM.RA.RADATA.P) (detail)*

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Risk Analysis Input Information (confirm) *Are adequate data and information input into the risk analysis process? (IM.RA.RADATA.R) (confirm)*

195.452(l)(1)(ii) (195.452(f)(3); 195.452(g))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Subdivision of Pipeline Segments for Risk Analysis Purposes (detail) *Does the risk analysis process adequately represent and consider the variation in risk factors along the line such that segment-specific risk results and insights are obtained? (IM.RA.RASEGMENT.P) (detail)*

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Risk Analysis Results (confirm) *Are results of the process to evaluate risk useful for drawing conclusions and insights for decision making? (IM.RA.RARERESULTS.R) (confirm)*

195.452(l)(1)(ii) (195.452(f)(3); 195.452(g))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Risk Analysis Facilities (detail) *Does the process include technically adequate approaches to identify and evaluate the risks of facilities that can affect HCAs? (IM.RA.RAFACILITY.P) (detail)*

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Risk Analysis Facilities (confirm) *Has the analysis of risk of facilities been performed as required?*

(IM.RA.RAFACILITY.R) (confirm)

195.452(l)(1)(ii) (195.452(f)(3); 195.452(g))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Biofuels

1. Biofuels - Compatibility (detail) *Does the process require determination that ethanol or other biofuels are compatible with the pipeline and components?* (MO.BIO.BIOCOMPATIBLE.P) (detail)

195.402(c)(3)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Biofuels - Operations and Maintenance Procedures (detail) *Has the manual of written procedures for operations and maintenance been reviewed and revised, as needed, to incorporate changes necessary to transport ethanol or other biofuels?* (MO.BIO.BIOOM.P) (detail)

195.402(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Biofuels - Safety Related Conditions (detail) *Does the process require review of procedures for identifying safety-related conditions to determine if changes are needed to reflect potentially different situations that could result in an imminent hazard?* (MO.BIO.BIOSRCR.P) (detail)

195.402(a) (195.402(f))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Liquid Conversion

1. Conversion to Service (detail) *If any pipelines were converted into Part 195 service, was a process developed addressing all the applicable requirements?* (MO.LC.CONVERSION.P) (detail)

195.5(a) (195.5(b); 195.5(c))

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 195 service?* (MO.LC.CONVERSION.R) (detail)

195.5(c) (195.5(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Liquid Pipeline Abnormal Operations

1. Abnormal Operating Procedures (confirm) *Does the process include procedures for responding to, investigating, and correcting the cause of the listed abnormal operating conditions?* (MO.ABNORMAL.ABNORMAL.P) (confirm)

195.402(a) (195.402(d)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Abnormal Operating Procedures - Variations (detail) *Does the process include procedures for checking variations from normal operation after abnormal operations have ended at sufficient locations in the system to determine continued integrity and safe operations?* (MO.ABNORMAL.ABNORMALCHECK.P) (detail)

195.402(a) (195.402(d)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Abnormal Operating Procedures - Correction (detail) *Does the process include procedures for correcting variations from normal operation of pressure and flow equipment and controls? (MO.ABNORMAL.ABNORMALCORRECT.P) (detail)*

195.402(a) (195.402(d)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Abnormal Operating Procedures - Notify (detail) *Does the process include procedures for ensuring operating personnel notify responsible operator personnel where notice of an abnormal operation is received? (MO.ABNORMAL.ABNORMALNOTIFY.P) (detail)*

195.402(a) (195.402(d)(4))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Abnormal Operating Procedures (confirm) *Do records indicate operator's personnel responded to indications of abnormal operations as required by the written procedures? (MO.ABNORMAL.ABNORMAL.R) (confirm)*

195.404(b) (195.402(d)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Abnormal Operating Procedures - Effectiveness Review (confirm) *Does the process include procedures for periodically reviewing the response of operating personnel to determine the effectiveness of the procedures for controlling abnormal operation and taking corrective action where deficiencies are found? (MO.ABNORMAL.ABNORMALREVIEW.P) (confirm)*

195.402(a) (195.402(d)(5))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Abnormal Operating Procedures - Effectiveness Review (confirm) *Do records indicate post-event reviews of actions taken by operator personnel to determine the effectiveness of the abnormal operation procedures and whether corrective actions were taken deficiencies were found? (MO.ABNORMAL.ABNORMALREVIEW.R) (confirm)*

195.404(b) (195.402(d)(5))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Liquid Pipeline MOP

1. Establishing Maximum Operating Pressure (detail) *Does the process include procedures for establishing the maximum operating pressure allowed in accordance with 195.406(a)?* (MO.LOMOP.MOPDETERMINE.P) (detail)

195.402(c)(3) (195.302(c); 195.406(a); 195.406(a)(1); 195.406(a)(2); 195.406(a)(3); 195.406(a)(4); 195.406(a)(5))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Establishing Maximum Operating Pressure (detail) *Do records indicate the maximum operating pressure was established in accordance with 195.406?* (MO.LOMOP.MOPDETERMINE.R) (detail)

195.402(c)(3) (195.406(a); 195.406(b); 195.302(b); 195.302(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Liquid Pipeline Maintenance

1. Valve Maintenance (detail) *Does the process contain procedures for maintaining each valve in good working order that is necessary for safe operation of the pipeline system?* (MO.LM.VALVEMAIN.P) (detail)

195.402(c)(3) (195.420(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Valve Maintenance - Biannual (detail) *Does the process contain procedures for inspecting each mainline valve to determine that it is functioning properly at intervals not exceeding 7-1/2 months, but at least twice each calendar year?* (MO.LM.VALVEMAINBIANN.P) (detail)

195.402(c)(3) (195.420(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Valve Maintenance (confirm) *Do records indicate each mainline valve was inspected as required?*

(MO.LM.VALVEMAIN.T.R) (confirm)

195.404(c) (195.420(a); 195.420(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Valve Protection (detail) *Does the process contain procedures for providing protection for each valve from unauthorized operation and from vandalism?* (MO.LM.VALVEPROTECT.P) (detail)

195.402(c)(3) (195.420(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Valve Maintenance (detail) *Do the pipeline system valves appear to be in good working order and are they protected from unauthorized operation?* (MO.LM.VALVEMAIN.O) (detail)

195.420(a) (195.420(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. 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.LM.DYNAMICRISER.R) (detail)

195.402(c)(3) (195 Subpart H)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Liquid Pipeline Operations

1. O&M Manual (detail) *Does the operator have an O&M manual, and has a process to properly maintain all portions of the manual?* (MO.LO.OMMANUAL.P) (detail)

195.402(a) (195.402(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. O&M Manual Review (confirm) *Do records indicate annual reviews of the written procedures in the manual were conducted as required?* (MO.LO.OMMANUALREVIEW.R) (confirm)

195.402(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. O&M Manual Locations (confirm) (presented above) *Are appropriate parts of the manual kept at locations where operations and maintenance activities are conducted?* (MO.LO.OMLOCATION.O) (confirm)

195.402(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Normal Maintenance and Operations - History (detail) *Does the process include procedures for making construction records, maps, and operating history available as necessary for safe operation and maintenance?* (MO.LO.OMHISTORY.P) (detail)

195.402(a) (195.402(c)(1); 195.404(a); 195.404(a)(1); 195.404(a)(2); 195.404(a)(3); 195.404(a)(4); 195.404(c)(1); 195.404(c)(2); 195.404(c)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Normal Maintenance and Operations - History (detail) *Do records indicate current maps and records of its pipeline systems are maintained and made available as necessary?* (MO.LO.OMHISTORY.R) (detail)

195.404(a) (195.404(b); 195.404(c); 195.9; 195.402(c)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Normal Maintenance and Operations - History (detail) Are current maps and records of its pipeline systems available to appropriate operating personnel? (MO.LO.OMHISTORY.O) (detail)

195.404(a) (195.404(b); 195.404(c); 195.9; 195.402(c)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Normal Maintenance and Operations - Abandoning (detail) Does the process include adequate requirements for abandoning pipelines and facilities, including safe disconnection from an operating pipeline system, purging of combustibles, and sealing abandoned environmental hazards? (MO.LO.ABANDON.P) (detail)

195.402(a) (195.402(c)(10); 195.59)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Normal Maintenance and Operations - Abandoning (detail) Do records indicate that pipeline segments and facilities were abandoned in accordance with requirements? (MO.LO.ABANDON.R) (detail)

195.402(a) (195.402(c)(10); 195.59)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Normal Maintenance and Operations - Abandoning (detail) Were pipeline segments and facilities abandoned in accordance with requirements? (MO.LO.ABANDON.O) (detail)

195.402(c)(10)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Normal Maintenance and Operations - Effectiveness Review (confirm) Does the process include procedures for periodically reviewing the work done by the operator's personnel to determine the effectiveness of the procedures used in normal operation and maintenance and taking corrective action where deficiencies are found? (MO.LO.OMEFFECTREVIEW.P) (confirm)

195.402(a) (195.402(c)(13))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Normal Maintenance and Operations - Effectiveness Review (confirm) *Do records indicate periodic review of the work done by operator personnel to determine the effectiveness of the procedures used in normal operation and maintenance and corrective action taken where deficiencies are found?* (MO.LO.OMEFFECTREVIEW.R) (confirm)

195.402(a) (195.402(c)(13))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Safety Related Conditions Reports (detail) *Does the process include instructions that allow personnel to recognize safety related conditions?* (MO.LO.SRCR.P) (detail)

195.402(a) (195.402(f); 195.55(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Pipeline Pressure Testing (detail) *Does the process require pressure testing for all lines except as allowed by 195.302(b)?* (MO.LO.PRESSTESTREQ.P) (detail)

195.402(c)(3) (195.302(b); 195.302(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Pipeline Pressure Testing (detail) *Do records indicate pressure testing for all lines except as allowed by 195.302(b)?* (MO.LO.PRESSTESTREQ.R) (detail)

195.402(c)(3) (195.302(b); 195.302(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Communications (detail) *Is a communication system in place that provides for the safe operation of the pipeline system?* (MO.LO.COMMSYS.O) (detail)

195.408(a) (195.408(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Regulated Rural Gathering Lines (detail) *Does the process for regulated rural gathering lines include all the requirements of 195.11?* (MO.LO.REGRURALGATHER.P) (detail)

195.11(a) (195.11(b); 195.11(c); 195.11(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Operating Records (detail) *Does the O&M plan include a requirement that operating records that relate to 195.402 activities be maintained for at least 3 years?* (MO.LO.RECORDS.P) (detail)

195.402(a) (195.402(c)(3); 195.404(b); 195.404(b)(1); 195.404(b)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Operating Records (detail) *Does the operator maintain operating records for a minimum of 3 years?* (MO.LO.RECORDS.R) (detail)

195.404(b) (195.402(c)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Liquid Pipeline Overpressure Protection

1. Over Pressure Protection (detail) *Does the process contain procedures for inspecting and testing each pressure limiting device, relief valve, pressure regulator, or other items of pressure control equipment to determine that it is functioning properly, in good mechanical condition, has adequate capacity, and is reliable on non-HVL pipelines at intervals not to exceed 15 months, but at least once each calendar year?* (MO.LMOPP.PRESSREGTEST.P) (detail)

195.402(c)(3) (195.428(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Over Pressure Protection (confirm) Do records indicate inspection and testing of each overpressure safety device on its non-HVL pipelines at intervals not to exceed 15 months, but at least once each calendar year? (MO.LMOPP.PRESSREGTEST.R) (confirm)

195.404(c) (195.428(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Over Pressure Protection - HVL (detail) Does the process contain procedures for inspecting and testing each pressure limiting device, relief valve, pressure regulator, or other items of pressure control equipment to determine that it is functioning properly, in good mechanical condition, has adequate capacity, and is reliable on HVL pipelines at intervals not to exceed 7-1/2 months, but at least twice each calendar year? (MO.LMOPP.PRESSREGTESTHVL.P) (detail)

195.402(c)(3) (195.428(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Over Pressure Protection - HVL (confirm) Do records indicate inspection and testing of each overpressure safety device on HVL pipelines at intervals not to exceed 7-1/2 months, but at least twice each calendar year? (MO.LMOPP.PRESSREGTESTHVL.R) (confirm)

195.404(c) (195.428(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Over Pressure Protection (detail) Are inspections of overpressure safety devices adequate (including HVL lines)? (MO.LMOPP.PRESSREGTEST.O) (detail)

195.428(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Launcher and Receiver Pressure Relief (detail) Does the process include requirements for relief devices and their proper use for launchers and receivers? (MO.LMOPP.LAUNCHRECVRELIEF.P) (detail)

195.402(c)(3) (195.426)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Launcher and Receiver Pressure Relief (confirm) (presented above) *Are launchers and receivers equipped with relief devices?* (MO.LMOPP.LAUNCHRECVRELIEF.O) (confirm)

195.426

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Liquid Pipeline Startup and Shutdown Operations

1. Normal Maintenance and Operations - Startup & Shutdown (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 limits prescribed by Å§195.406?* (MO.LOOPER.PRESSURELIMIT.P) (detail)

195.402(a) (195.402(c)(7))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Normal Maintenance and Operations - Startup & Shutdown (detail) *Do records indicate the operator assured that pressure limitations on the pipeline were not exceeded during startups or shut-ins?* (MO.LOOPER.PRESSURELIMIT.R) (detail)

195.404(b) (195.402(c)(7))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Normal Maintenance and Operations - Non-Fail Safe (detail) *In the case of a pipeline that is not equipped to fail safe, does the process include procedures for monitoring from an attended location pipeline pressure during startup until steady state pressure and flow conditions are reached and during shut-in to assure operation within the limits of Å§195.406?* (MO.LOOPER.FAILSAFE.P) (detail)

195.402(a) (195.402(c)(8))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Normal Maintenance and Operations - Non-Fail Safe (detail) *Do records indicate pressures and flow conditions were monitored as required on pipelines that are not equipped to fail safe? (MO.LOOPER.FAILSAFE.R) (detail)*

195.402(a) (195.402(c)(8))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Normal Maintenance and Operations - Non-Fail Safe (detail) *Does the operator have the ability to monitor the pipeline pressure and flow conditions from an attended location on a pipeline that is not designed to fail safe? (MO.LOOPER.FAILSAFE.O) (detail)*

195.402(a) (195.402(c)(8))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - Low-Stress Rural Pipelines

1. Categorizing Rural Low Stress Pipelines (detail) *Does the process require that rural low stress pipelines be properly categorized? (MO.LS.CATEGORIZATION.P) (detail)*

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Categorizing Rural Low Stress Pipelines (detail) *Do records show that rural low stress pipelines were properly categorized? (MO.LS.CATEGORIZATION.R) (detail)*

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

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

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Segment Identification (detail) *Does the process require that segment identification be completed by the deadline for its applicable category? (MO.LS.SEGMENTID.P) (detail)*

195.12(c) (195.12(c)(1); 195.12(c)(2); 195.12(c)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Segment Identification (detail) *Do records show that all pipeline segments were identified by the deadline for its applicable category? (MO.LS.SEGMENTID.R) (detail)*

195.12(f) (195.12(c)(1); 195.12(c)(2); 195.12(c)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Developing an IM Plan (detail) *Has an IM Plan meeting the requirements of 195.452 been developed by the applicable deadline for Category 1 and 2 pipeline segments? (MO.LS.IMPLAN.P) (detail)*

195.12(c) (195.12(c)(1); 195.12(c)(2); 195.12(c)(3); 195.452(f))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Developing an IM Plan (detail) *Do records show that an IM Plan was developed by the applicable deadline for Category 1 and 2 pipeline segments? (MO.LS.IMPLAN.R) (detail)*

195.12(f) (195.12(c)(1); 195.12(c)(2); 195.452(l)(1)(i))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Completing Baseline Assessments (detail) *Does the process require that baseline assessments be completed within the timeframe for the applicable pipeline segment category and within the prioritized schedule based on risk?* (MO.LS.BASELINEASSESS.P) (detail)

195.12(c) (195.12(c)(1); 195.12(c)(2); 195.452(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Completing Baseline Assessments (detail) *Do records show that baseline assessments have been completed within the timeframe for the applicable pipeline segment category and within the prioritized schedule based on risk?* (MO.LS.BASELINEASSESS.R) (detail)

195.12(f) (195.12(c)(1); 195.12(c)(2); 195.452(l)(1)(i))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Compliance with Part 195 (detail) *Does the process require compliance with applicable Subparts of Part 195 by the required timeframe for a segment's category?* (MO.LS.COMPLIANCE.P) (detail)

195.12(c) (195.12(c)(1); 195.12(c)(2); 195.12(c)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Compliance with Part 195 (detail) *Do records show compliance with all applicable subparts of Part 195 by the required timeframes?* (MO.LS.COMPLIANCE.R) (detail)

195.12(f) (195.12(c)(1); 195.12(c)(2); 195.12(c)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. IM Program Continuation (detail) *Does the process include adequate provisions to continue to carry out the program in compliance with 195.452?* (MO.LS.IMPROGCONT.P) (detail)

195.12(c)(3) (195.452)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. IM Program Continuation (detail) Do records indicate that the process to continually carry out the requirements of 195.452 was met? (MO.LS.IMPROGCONT.R) (detail)

195.12(f) (195.12(c)(1); 195.12(c)(2); 195.452(l)(1)(ii))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Changes in USAs (detail) Does the process require that changes in USAs be handled in accordance with 195.12(e)? (MO.LS.CHANGEINUSA.P) (detail)

195.12(e) (195.12(e)(1); 195.12(e)(2); 195.452(e)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Changes in USAs (detail) Do records show that changes in USAs were handled in accordance with 195.12(e)? (MO.LS.CHANGEINUSA.R) (detail)

195.12(f) (195.12(e)(1); 195.12(e)(2); 195.452(l)(1)(ii))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Records Retention (detail) Does the process require that records be kept in accordance with 195.12(f)? (MO.LS.RECORDSRETENTION.P) (detail)

195.12(f) (195.12(f)(1); 195.12(f)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Records Retention (detail) Do records show that the requirements of 195.12(f) for records retention have been met? (MO.LS.RECORDSRETENTION.R) (detail)

195.12(f) (195.12(f)(1); 195.12(f)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Maintenance and Operations - ROW Markers, Patrols, Monitoring and Analysis

1. ROW Inspection Requirements (detail) *Does the process require ROW surface conditions and crossings under navigable waterways be inspected, and is reporting and appropriate mitigation required for findings from said inspections?* (MO.RW.PATROL.P) (detail)

195.402(a) (195.412(a); 195.412(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. ROW Inspection Requirements (detail) *Do records indicate ROW surface conditions and crossings under navigable waterways were inspected, and reporting and appropriate mitigation performed?* (MO.RW.PATROL.R) (detail)

195.412(a) (195.412(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. ROW Marker Requirements (detail) *Does the process address how line markers are to be placed and maintained?* (MO.RW.ROWMARKER.P) (detail)

195.402(a) (195.410(a); 195.410(c); API RP 1162, Section 2.7; API RP 1162, Section 8)

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)

195.410(a) (195.410(b); 195.410(c); 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)

195.412(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Identification of 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)

195.413(a) (195.413(b); 195.413(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Identification of GOM Pipeline Hazards (detail) *Do records indicate steps taken to identify pipelines in the Gulf of Mexico at risk of being exposed underwater pipelines or hazards to navigation?* (MO.RW.GOMHAZARD.R) (detail)

195.413(b) (195.413(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Public Awareness and Damage Prevention - One-Call Damage Prevention

1. Documented Damage Prevention Program (detail) *Does the operator have a damage prevention program approved and in place?* (PD.OC.PROGRAM.P) (detail)

195.442(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)

195.442(a) (195.442(b); CGA Best Practices, v4.0, Practice 3-4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Documented Damage Prevention Program (detail) *Does the process include public notification requirements? (PD.OC.PUBLICNOTIFY.P) (detail)*

195.442(a) (195.442(c)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. 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)*

195.442(a) (195.442(b); 195.442(c)(4); 195.442(c)(5))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Documented Damage Prevention Program (detail) *Does the process include inspection of pipelines that could be damaged by excavation activities? (PD.OC.EXCAVATE.P) (detail)*

195.442(a) (195.442(c)(6))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. 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)*

195.442(a) (195.442(b); 195.442(c)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. 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)*

195.442(a) (195.442(b); 195.442(c)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. One Call Systems (detail) *Observe operator's process for a "One Call" Ticket. (PD.OC.ONECALL.O) (detail)*

195.442(c)(3)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Program Requirements (detail) *Do records indicate the damage prevention program is being carried out as written? (PD.OC.PROGRAM.R) (detail)*

195.442(a)

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)*

195.440(a) (195.440(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)*

195.440(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)*

195.440(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)
 195.440(d) (195.440(e); 195.440(f); API RP 1162 Section 2.2; API RP1162 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)
 195.440(d) (195.440(e); 195.440(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 hazardous liquid or carbon dioxide is transported? (PD.PA.MESSAGES.P) (detail)
 195.440(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 along all pipeline systems, as described in API RP 1162? (PD.PA.SUPPLEMENTAL.P) (detail)
 195.440(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 hazardous liquid or carbon dioxide pipeline facility; (3) Physical indications of a possible release; (4) Steps to be taken for public safety in the event of a hazardous liquid or carbon dioxide pipeline release; and (5) Procedures to report such an event?* (PD.PA.EDUCATE.R) (detail)

195.440(d) (195.440(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 location?* (PD.PA.LOCATIONMESSAGE.R) (detail)

195.440(e) (195.440(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?* (PD.PA.MESSAGEFREQUENCY.R) (detail)

195.440(c) (API RP 1162 Table 2-1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Liaison with Public Officials (detail) (presented above) *Do records indicate liaisons are established and maintained with appropriate fire, police and other public officials and utility owners in accordance with procedures?* (EP.ERL.LIAISON.R) (detail)

195.402(a) (195.402(c)(12); 195.440(c); API RP 1162 Section 4.4)

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)

195.440(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)

195.440(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)

195.440(i) (195.440(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 public awareness program implementation been performed annually since the program was developed?* (PD.PA.EVALIMPL.R) (detail)

195.440(c) (195.440(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 the public awareness program implementation?* (PD.PA.AUDITMETHODS.R) (detail)

195.440(c) (195.440(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)

195.440(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)

195.440(c) (API RP 1162 Sections 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)

195.440(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)

195.440(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)

195.440(c) (API RP 1162 Section 8.4.3)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

22. Measure Bottom-Line Results (detail) *Did the operator attempt to measure bottom-line results of the program 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)

195.440(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)*

195.440(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. ROW Inspection Requirements (detail) (presented above) *Does the process require ROW surface conditions and crossings under navigable waterways be inspected, and is reporting and appropriate mitigation required for findings from said inspections? (MO.RW.PATROL.P) (detail)*

195.402(a) (195.412(a); 195.412(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. ROW Inspection Requirements (detail) (presented above) *Do records indicate ROW surface conditions and crossings under navigable waterways were inspected, and reporting and appropriate mitigation performed? (MO.RW.PATROL.R) (detail)*

195.412(a) (195.412(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. ROW Marker Requirements (detail) (presented above) *Does the process address how line markers are to be placed and maintained? (MO.RW.ROWMARKER.P) (detail)*

195.402(a) (195.410(a); 195.410(c); API RP 1162, Section 2.7; API RP 1162, Section 8)

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)
 195.410(a) (195.410(b); 195.410(c); 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)
 195.412(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. DP Information Gathering Requirements (detail) *Does the process require damage prevention information to be gathered and recorded during pipeline patrols and surveillance and then analyzed?* (PD.RW.INFORMATION.P) (detail)
 195.402(c)(3) (195.452(f)(3); 195.452(g))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. DP Information Gathering Requirements (detail) *Do records show damage prevention information being gathered and recorded during pipeline patrols and surveillance and then analyzed is available for review?* (PD.RW.INFORMATION.R) (detail)
 195.404(c) (195.402(c)(3); 195.452(f)(3); 195.452(g))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Identification of 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)
 195.413(a) (195.413(b); 195.413(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Identification of GOM Pipeline Hazards (detail) (presented above) *Do records indicate steps taken to identify pipelines in the Gulf of Mexico at risk of being exposed underwater pipelines or hazards to navigation?* (MO.RW.GOMHAZARD.R) (detail)

195.413(b) (195.413(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Public Awareness and Damage Prevention - Facilities Signage and Security

1. Facility Signage Requirements (detail) *Does the process require signage visible to the public around pump station and breakout facilities?* (PD.SN.SIGNAGE.P) (detail)

195.402(a) (195.434)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Facility Signage (detail) *Is signage visible to the public installed and maintained around facilities?* (PD.SN.VISIBLE.O) (detail)

195.434

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Smoking and Open Flame Prohibition (detail) *Does the process prohibit smoking and open flames around facilities?* (PD.SN.OPENFLAME.P) (detail)

195.402(a) (195.438)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Smoking and Open Flame Prohibition (detail) *Does signage prohibit smoking and open flames around facilities?* (PD.SN.OPENFLAME.O) (detail)

195.438

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Facility Protection (detail) *Does the process require protection from vandalism and unauthorized entry for each exposed facility?* (PD.SN.PROTECTION.P) (detail)

195.402(a) (195.436)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Facility Protection (detail) *Is protection from vandalism and unauthorized entry provided for each exposed facility?* (PD.SN.PROTECTION.O) (detail)

195.436

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Public Awareness and Damage Prevention - Special Permits

1. Special Permits - Repairs (detail) *If a pipeline is operated under a special permit have 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 - Repairs (detail) *If a pipeline is operated 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

3. Special Permits (detail) *If a pipeline is operated 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

Reporting - Notices and Reporting

1. OQ Notifications- 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)

195.505(i)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. OQ Notifications- 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)

195.505(i)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. IM Notifications - Pressure Reductions (detail) *Does the process require notifying PHMSA of information when the following occurs: If it cannot meet its schedule for evaluation and remediation and cannot provide safety through a temporary reduction in operating pressure and/or when a temporary reduction in operating pressure exceeds 365 days?* (RPT.NR.NOTIFYIMPRESS.P) (detail)

195.452(f)(4) (195.452(h)(1)(i); 195.452(h)(1)(ii); 195.452(h)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. IM Variance from 5-year Intervals (detail) *Are processes adequate for submitting variance notifications to PHMSA for assessment intervals longer than the maximum five-year interval and for unavailable technology?* (RPT.NR.NOTIFYIMVARIANCE.P) (detail)

195.452(f)(5) (195.452(j)(4))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.452(l)(1)(ii) (195.452(m))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Response Plan Submittal and Approval (detail) *Has an OPA response plan been prepared and submitted to PHMSA?* (RPT.NR.OPA.R) (detail)

194.119(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Response Plan Resubmittals and Subsequent changes (detail) *Do records indicate the OPA response plan resubmitted to PHMSA at the required times?* (RPT.NR.OPARESUBMIT.R) (detail)

194.121(a) (194.121(b))

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)

195.49

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Annual Report IM Inspection Data (detail) *Is Annual Report Part F Data complete and accurate?*

(RPT.RR.ANNUALREPORTIMINSPECT.R) (detail)

195.49

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Annual Report IM Assessment Completion Data (detail) *Is Annual Report Part G data complete and accurate?*

(RPT.RR.ANNUALREPORTIMASSESS.R) (detail)

195.49

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Rural Low-Stress Pipelines (detail) *Does the process comply with the reporting requirements of subpart B relating to ALL rural low stress pipelines?*

(RPT.RR.RURALLOWSTRESS.P) (detail)

195.48

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Rural Low-Stress Pipelines (detail) *Do Annual Reports include applicable information for rural low-stress hazardous liquid pipelines?*

(RPT.RR.RURALLOWSTRESS.R) (detail)

195.49

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Regulated Rural Gathering Lines (detail) *Does the process comply with the reporting requirements in subpart B relating to regulated rural gathering lines? (RPT.RR.REGRURALGATHER.P) (detail)*

195.11(b)(4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Regulated Rural Gathering Lines (detail) *Do Annual Reports include applicable information for regulated rural gathering lines? (RPT.RR.REGRURALGATHER.R) (detail)*

195.49

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Accident Reports (detail) *Does the process require preparation and filing of an accident report as soon as practicable but no later than 30 days after discovery of a reportable accident? (RPT.RR.ACCIDENTREPORT.P) (detail)*

195.54(a) (195.50(a); 195.50(b); 195.50(c); 195.50(d); 195.50(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Accident Reports (detail) *Do records indicate the original accident reports were filed as required? (RPT.RR.ACCIDENTREPORT.R) (detail)*

195.54(a) (195.50(a); 195.50(b); 195.50(c); 195.50(d); 195.50(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Supplemental Accident Reports (detail) *Does the process require preparation and filing of supplemental accident reports? (RPT.RR.ACCIDENTREPORTSUPP.P) (detail)*

195.402(a) (195.402(c)(2); 195.54(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Supplemental Accident Reports (detail) Do records indicate accurate supplemental accident reports were filed and within the required timeframe? (RPT.RR.ACCIDENTREPORTSUPP.R) (detail)

195.54(b)	Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Immediate Reporting: Accidents (detail) Are procedures in place to immediately report accidents to the National Response Center? (RPT.RR.IMMEDREPORT.P) (detail)

195.402(a) (195.402(c)(2); 195.52(b); 195.52(c); 195.52(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Immediate Reporting: Accidents (detail) Do records indicate immediate notifications of accidents were made in accordance with 195.52? (RPT.RR.IMMEDREPORT.R) (detail)

195.52(a) (195.52(b); 195.52(c); 195.52(d))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Telephonic Reporting: Exposed Pipe GOM and Inlets (detail) Are processes in place to telephonically notify the National Response Center of exposed pipe in the Gulf of Mexico and its inlets? (RPT.RR.TELREPORTGOM.P) (detail)

195.402(a) (195.402(c)(3); 195.413(c)(1))	Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Telephonic Reporting: Exposed Pipe GOM and Inlets (detail) Do records indicate telephonic notification of exposed pipes in the Gulf of Mexico and its inlets were made? (RPT.RR.TELREPORTGOM.R) (detail)

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

Notes

16. Safety Related Condition Reports (detail) *Are processes in place to file safety-related condition reports if the conditions of 195.55 are met?* (RPT.RR.SRCR.P) (detail)

195.402(a) (195.55(a); 195.55(b); 195.56(a); 195.56(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Safety Related Condition Reports (detail) *Do records indicate safety-related condition reports were filed as required?* (RPT.RR.SRCR.R) (detail)

195.56(a) (195.55(a); 195.55(b); 195.56(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Offshore Pipeline Condition Reports (detail) *Does the process require a report to be submitted within 60 days after completing inspection of underwater pipelines in GOM and its inlets?* (RPT.RR.SRCROFFSHORE.P) (detail)

195.402(a) (195.57)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Offshore Pipeline Condition Reports (detail) *Do records indicate reports were submitted within 60 days of completing inspection of underwater pipelines?* (RPT.RR.SRCROFFSHORE.R) (detail)

195.413(a) (195.57)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Offshore Hazard to Navigation: Permit Delay (detail) *Does the process require the operator to notify PHMSA when federal or state permits cannot be obtained in time?* (RPT.RR.NOTIFYPERMITGOM.P) (detail)

195.402(a) (195.413(c)(3)(ii))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Offshore Hazard to Navigation: Permit Delay (detail) Do records indicate required notification provided when permitting delayed reburial of pipe in Gulf of Mexico waters found to be a hazard to navigation? (RPT.RR.NOTIFYPERMITGOM.R) (detail)

195.413(c)(3)(ii)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

22. 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)

195.402(c)(10) (195.59(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

23. 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)

195.59(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

24. NPMS: Annual Updates (detail) Do records indicate: NPMS submissions are updated every 12 months if system modifications (excludes distribution lines and gathering lines) occurred, and if no modifications occurred an email to that effect was submitted? (RPT.RR.NPMSANNUAL.R) (detail)

Pipeline Safety Improvement Act of 2002 (49 USC 60132)
(Advisory Bulletin ADB-03-02; Advisory Bulletin ADB-08-07)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

25. National Registry of Pipeline Operators (OPID) (detail) Does the process require the obtaining, and appropriate control, of Operator Identification Numbers (OPIDs)? (RPT.RR.OPID.P) (detail)

195.64(a) (195.64(b); 195.64(c); 195.64(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

26. National Registry of Pipeline Operators (OPID) (detail) *Do records indicate appropriate obtaining, and control of, Operator Identification Numbers (OPIDs)?* (RPT.RR.OPID.R) (detail)

195.64(a) (195.64(b); 195.64(c); 195.64(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Reporting - Special Permits

1. Special Permit 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. Integrity Assessment Method - ILI (detail) *Are ILI tools utilized to assess the integrity of any of the pipeline systems?* (SRN.AR.ILIUSE.S) (detail)

SI	PAC	NIC	NA

Notes

2. Identification of Specific Threats (detail) *Have any specific threats been identified that require specific ILI tools other than MFL and deformation/dent tools to be used on any pipeline system in the last 3 years?* (SRN.AR.ILINONMFLDEF.S) (detail)

SI	PAC	NIC	NA

Notes

3. 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

4. Risk Based Alternative to Pressure Testing (detail) *Is a risk based alternative to pressure testing utilized for older hazardous liquid and carbon dioxide pipelines?* (SRN.AR.RISKBASEDALT.S) (detail)

SI	PAC	NIC	NA

Notes

5. Integrity Assessment Method - ECDA (detail) *Is ECDA utilized to assess the integrity of any of the pipeline systems?* (SRN.AR.ECDA.S) (detail)

SI	PAC	NIC	NA

Notes

6. 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

7. Integrity Assessment Method - Other Technology (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

8. Pressure Reductions and Shutdowns (detail) *Has a pressure reduction been taken or a pipeline shutdown in the last 3 years in response to remediating a condition identified from an integrity assessment?* (SRN.AR.PRESSRESD.S) (detail)

SI	PAC	NIC	NA

Notes

9. 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

10. Identification and Remediation of Cracks on Pipeline Systems (detail) *Have any cracks or crack-like features been identified and remediated on any pipeline systems in the last 3 years?* (SRN.AR.CRACKIDENT.S) (detail)

SI	PAC	NIC	NA

Notes

11. 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.LINERREPLACEMOVE.S) (detail)

SI	PAC	NIC	NA

Notes

12. Pipeline Susceptible Type (detail) *Is there any LFERW or lap welded pipe susceptible to longitudinal seam failure in the pipeline systems?* (SRN.AR.SUSCEPTIBLE.S) (detail)

SI	PAC	NIC	NA

Notes

13. 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

14. Repair Criteria (detail) *Are the same repair/response criteria utilized in HCA and non-HCA's?* (SRN.AR.REPAIRCRITERIA.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.AR.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 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.CONTROLLER.S) (detail)*

SI	PAC	NIC	NA

Notes

6. 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.SCADAALARMS.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 System - Method (detail) *If a computational pipeline monitoring (CPM) leak detection system is not used, then how are leaks detected? (SRN.CR.LEAKDETMETHOD.S) (detail)*

SI	PAC	NIC	NA

Notes

10. Leak Detection - Performance (detail) *Was the leak detection system able to detect all releases as designed, and if not, what actions were taken to address any deficiencies? (SRN.CR.LEAKDETPERFORM.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. Material Compatibility (detail) *Within the last 3 years have pipelines experienced leaks due to chemical and/or temperature incompatibility between the commodity and pipeline or pipeline components (including soft goods and breakout tanks), or between different commodities while in the pipeline?* (SRN.DC.LEAKINCOMPAT.S) (detail)

SI	PAC	NIC	NA

Notes

2. 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

3. Leaks - Material and Construction Related (detail) *Any construction or material related leaks on pipelines or components (including breakout tanks) within the last 3 years?* (SRN.DC.LEAKMATCONST.S) (detail)

SI	PAC	NIC	NA

Notes

4. 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

5. Construction Projects (detail) *Are construction activities scheduled to occur within the next 6 months?* (SRN.DC.CONSTRUCTION.S) (detail)

SI	PAC	NIC	NA

Notes

6. 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.PRESSURETEST.S) (detail)

SI	PAC	NIC	NA

Notes

7. Construction Projects - Biofuels (detail) Are construction activities scheduled to occur (within the next 6 months) on pipelines that transport ethanol or other biofuels? (SRN.DC.CONSTBIO.S) (detail)

SI	PAC	NIC	NA

Notes

8. Construction Projects - Contractors (detail) Are contract workers used in performing construction tasks, if so, which activities? (SRN.DC.CONSTCONTRACT.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. Release Volumes (detail) Have any releases been experienced that exceeded the worst case scenario volumes contained in the OPA 90 plan? (SRN.EP.EPRELEASE.S) (detail)

SI	PAC	NIC	NA

Notes

2. Emergency Response Activation (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

3. 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

4. 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

5. 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. Pump Station Design (detail) *Are the Pump stations on this system a standard design?*
 (SRN.FS.PSDESIGN.S) (detail)

SI	PAC	NIC	NA

Notes

2. Construction - Tanks (Past) (detail) *Are there any steel atmospheric or low pressure tanks breakout tanks or pressure breakout tanks that have been constructed or significantly altered since October 2, 2000?*
 (SRN.FS.CONSTBOPAST.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. HCA Identification - Current (detail) *Is there record of any HCA-affecting segments in the system?*
 (SRN.IM.HCAPRESENT.S) (detail)

SI	PAC	NIC	NA

Notes

2. HCAs (detail) *Are any facilities located in high consequence areas (HCAs)?* (SRN.IM.HCAFACILITY.S) (detail)

SI	PAC	NIC	NA

Notes

3. HCA Identification - New (detail) *Have any new segments that can affect an HCA been identified in the last 3 years? (SRN.IM.HCANEW.S) (detail)*

SI	PAC	NIC	NA

Notes

4. Risk Analysis Methodologies (detail) *Describe the most significant modifications that have been made to the risk analysis processes in the last 3 years. (SRN.IM.RAMOD.S) (detail)*

SI	PAC	NIC	NA

Notes

5. P&M Measures Implementation (detail) *Describe the most significant preventive and mitigative measures that have been implemented in the last 3 years. (SRN.IM.PMIMPGENERAL.S) (detail)*

SI	PAC	NIC	NA

Notes

6. Performance Measures (detail) *What has been learned as a result of the evaluation of the performance measures? (SRN.IM.PERFMEASURE.S) (detail)*

SI	PAC	NIC	NA

Notes

7. 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. (SRN.IM.MOC.S) (detail)*

SI	PAC	NIC	NA

Notes

8. IM Periodic Evaluation - Actions (detail) Describe the most significant actions implemented as a result of a periodic evaluation for a specific pipeline segment that could affect HCAs. (SRN.IM.PERIODICEVALACTION.S) (detail)

SI	PAC	NIC	NA

Notes

9. IMP Reassessment Intervals (detail) Have any reassessment intervals for less than 5 years or more than 5 years for pipeline segments that could affect HCAs been established? (SRN.IM.REASSESSINTRVL.S) (detail)

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. Fail Safe (detail) Are any pipelines not equipped to fail safe? (SRN.MO.FAILSAFE.S) (detail)

SI	PAC	NIC	NA

Notes

2. Abnormal Operating Conditions (detail) Describe the process for responding to and learning from abnormal operation events. (SRN.MO.ABPROCESS.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. Pump Station - Pressure Records (detail) *How are station discharge pressures obtained and recorded, and where are these records maintained?* (SRN.MULTI.PSDISCHRECORD.S) (detail)

SI	PAC	NIC	NA

Notes

4. 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

5. 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

6. 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

7. IM-Related Process and Procedure Changes Since Last IM Inspection (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

8. O&M - 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

9. Idle Pipelines (detail) Are any pipelines currently "idle"? (SRN.MULTI.IDLEPIPE.S) (detail)

SI	PAC	NIC	NA

Notes

10. Idle Pipelines - 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

11. O&M Management of Change (detail) *How are systemic maintenance and operations changes handled? (SRN.MULTI.OMMOC.S) (detail)*

SI	PAC	NIC	NA

Notes

12. 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

13. Breakout Tanks (detail) *Does the system have any breakout tanks? (SRN.MULTI.BO.S) (detail)*

SI	PAC	NIC	NA

Notes

14. Safety Related Condition Reports (detail) *Discussion of SRCRs. (SRN.MULTI.SRCR.S) (detail)*

SI	PAC	NIC	NA

Notes

15. Annual Reports (detail) *Discussion of Annual Reports.* (SRN.MULTI.ANNUALREPORT.S) (detail)

SI	PAC	NIC	NA

Notes

16. Assets (detail) *Discussion of assets.* (SRN.MULTI.ASSETDATA.S) (detail)

SI	PAC	NIC	NA

Notes

17. Repairs (detail) *Discussion of anomaly repairs.* (SRN.MULTI.REPAIR.S) (detail)

SI	PAC	NIC	NA

Notes

18. Special Permits (detail) *Are any Waivers or Special Permits in place?* (SRN.MULTI.SPWAIVER.S) (detail)

SI	PAC	NIC	NA

Notes

19. 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

20. Operational Restrictions (detail) Are there any operational restrictions (for example reduced operational pressure) that have been put on the system? (SRN.MULTI.OPERATERELECTRICT.S) (detail)

SI	PAC	NIC	NA

Notes

21. Pressure Breakout Tanks (detail) Are there pressurized breakout tanks containing highly volatile liquids (HVLs)? (SRN.MULTI.BOHLVLS.S) (detail)

SI	PAC	NIC	NA

Notes

22. Facilities (detail) Discussion of pipeline facilities within the system. (SRN.MULTI.FACILITIES.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 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-event analysis of an actual or simulated emergency response? (SRN.MULTI.POSTACCIDENTMOC.S) (detail)

SI	PAC	NIC	NA

Notes

27. Integrity Management Plan (detail) Is there a single IM Plan and Program for all facilities? (SRN.MULTI.IMPLAN.S) (detail)

SI	PAC	NIC	NA

Notes

28. O&M - Plan Management (detail) Is there a single O&M Plan and Program for all facilities? (SRN.MULTI.OMPLAN.S) (detail)

SI	PAC	NIC	NA

Notes

29. Transporting Biofuels (detail) Does operator transport, or intend to transport, ethanol or other biofuels, and if so, has PHMSA been notified of the intent to transport ethanol or biofuels? (SRN.MULTI.BIOFUEL.S) (detail)

SI	PAC	NIC	NA

Notes

30. 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

31. Regulated Rural Gathering Lines (detail) *Are any regulated rural gathering pipelines operated?* (SRN.MULTI.REGRURALGATHER.S) (detail)

SI	PAC	NIC	NA

Notes

32. Regulated Rural Low Stress Lines (detail) *Are there any Category 1 or 2 low stress pipelines?* (SRN.MULTI.LOWSTRESSLINES.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 Program (detail) *Discussion of the overall Public Awareness Program.* (SRN.PD.PAPROGRAM.S) (detail)

SI	PAC	NIC	NA

Notes

2. Damage Prevention Program - 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. Damage Prevention Program - 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. CGA Best Practices (detail) *What CGA Best Practices are not followed?* (SRN.PD.CGA.S) (detail)

SI	PAC	NIC	NA

Notes

5. Patrolling - Contractors (detail) *Are contract workers used in performing aerial patrols?* (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 TPD (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. Cathodic Protection for Breakout Tanks (detail) *Have there been repairs to, or any tank floors replaced, because of external corrosion in the last five years?* (SRN.TD.BOEXTCORROSION.S) (detail)

SI	PAC	NIC	NA

Notes

2. Internal Corrosion for Breakout Tanks (detail) *Have there been repairs to, or any tank floors replaced, because of internal corrosion in the last five years?* (SRN.TD.BOINTCORROSION.S) (detail)

SI	PAC	NIC	NA

Notes

3. 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

4. Corrosion Control Monitoring (detail) *Are any Corrosion Control activities being performed during this inspection?* (SRN.TD.CORROSIONCNTRL.S) (detail)

SI	PAC	NIC	NA

Notes

5. Cathodic Protection Current Sources (detail) *What types of current sources are used?* (SRN.TD.CPCURRENT.S) (detail)

SI	PAC	NIC	NA

Notes

6. Cathodic Protection Monitoring (Bare/Ineffective) (detail) *Are there any separately protected short sections of bare or ineffectively coated pipelines?* (SRN.TD.BAREPIPECP.S) (detail)

SI	PAC	NIC	NA

Notes

7. Cathodic Protection Criteria (detail) *Does the operator utilize a single criterion for all of their pipeline systems?* (SRN.TD.CPCRITERIA.S) (detail)

SI	PAC	NIC	NA

Notes

8. Atmospheric Corrosion (detail) *Discussion of Atmospheric Corrosion Control Program* (SRN.TD.ATMCORRODE.S) (detail)

SI	PAC	NIC	NA

Notes

9. Internal Corrosion (detail) *Discussion of Internal Corrosion Control Program* (SRN.TD.INTCORROSION.S) (detail)

SI	PAC	NIC	NA

Notes

10. External Corrosion (detail) *Discussion of External Corrosion Control Program* (SRN.TD.EXTCORRODE.S) (detail)

SI	PAC	NIC	NA

Notes

11. Stress Corrosion Cracking (detail) *Discussion of SCC Program (SRN.TD.SCC.S) (detail)*

SI	PAC	NIC	NA

Notes

12. 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

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 (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 (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. OQ Program Coverage - New Construction (detail) *Is 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 - Site Variations (detail) *How are site specific variations accounted for?* (SRN.TQ.OQSITEVARIATION.S) (detail)

SI	PAC	NIC	NA

Notes

6. OQ Program Coverage - 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. OQ Program Coverage - Other (detail) *Does the process have provisions for other individuals to perform covered tasks on your behalf, such as through mutual assistance agreements?* (SRN.TQ.OQCONTRACT.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. 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

Time-Dependent Threats - External Corrosion - Atmospheric

1. Atmospheric Corrosion Coating (detail) *Does the process give adequate instruction for the protection of pipeline against atmospheric corrosion?* (TD.ATM.ATMCORRODECOAT.P) (detail)

195.402(c)(3) (195.581(a); 195.581(b); 195.581(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Atmospheric Corrosion Coating (confirm) *Do records document adequate protection of pipeline against atmospheric corrosion?* (TD.ATM.ATMCORRODECOAT.R) (confirm)

195.589(c) (195.581(a); 195.581(b); 195.581(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 exposed to the atmosphere?* (TD.ATM.ATMCORRODEINS.P) (detail)

195.402(c)(3) (195.583(a); 195.583(b); 195.583(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Atmospheric Corrosion Monitoring (confirm) *Do records document inspection of aboveground pipe exposed to atmospheric corrosion?* (TD.ATM.ATMCORRODEINSP.R) (confirm)

195.589(c) (195.583(a); 195.583(b); 195.583(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Atmospheric Corrosion Monitoring (confirm) (presented above) *Is aboveground pipe that is exposed to atmospheric corrosion protected?* (TD.ATM.ATMCORRODEINSP.O) (confirm)

195.583(c) (195.581(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - External Corrosion - Breakout Tank Cathodic Protection

1. Cathodic Protection for Breakout Tanks (detail) *Does the process describe when cathodic protection must be installed on breakout tanks?* (TD.CPBO.BO651.P) (detail)

195.402(c)(3) (195.565, 195.563(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Cathodic Protection for Breakout Tanks (detail) *Does the process adequately detail when and how cathodic protection systems will be inspected on breakout tanks?* (TD.CPBO.BO.P) (detail)

195.402(c)(3) (195.573(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Cathodic Protection for Breakout Tanks (detail) *Do records document adequate cathodic protection system inspections on breakout tanks? (TD.CPBO.BO.R) (detail)*

195.589(c) (195.573(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Cathodic Protection for Breakout Tanks (confirm) *(presented above) Are cathodic protection monitoring tests performed correctly on breakout tank bottoms? (TD.CPBO.BO.O) (confirm)*

195.573(d)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Cathodic Protection System Maps and Records (detail) *Does the process require maps and/or records of cathodic protection systems that have been installed on pipelines constructed, relocated, replaced, converted to hazardous liquid service, or otherwise changed? (TD.CPBO.MAPRECORD.P) (detail)*

195.589(a) (195.589(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Cathodic Protection System Maps and Records (confirm) *Do maps and or records document cathodic protection system appurtenances that have been installed on pipelines that have been constructed, relocated, replaced, or otherwise changed or been converted to hazardous liquid service? (TD.CPBO.MAPRECORD.R) (confirm)*

195.589(a) (195.589(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Correction of Corrosion Control Deficiencies (detail) *Does the process require correction of any identified deficiencies in corrosion control? (TD.CPBO.DEFICIENCY.P) (detail)*

195.402(c)(3) (195.573(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Correction of Corrosion Control Deficiencies (confirm) *Do records document adequate operator actions taken to correct any identified deficiencies in corrosion control? (TD.CPBO.DEFICIENCY.R) (confirm)*

195.589(c) (195.573(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - External Corrosion - Cathodic Protection

1. Corrosion Control Supervision (detail) *Is there a process for verifying that corrosion control supervisors maintain a thorough knowledge of corrosion control procedures for which they are responsible? (TD.CP.SUPERVISE.P) (detail)*

195.402(c)(3) (195.555)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Corrosion Control Supervision (detail) *Do records document that corrosion control supervisors have maintained a thorough knowledge of corrosion control procedures for which they are responsible? (TD.CP.SUPERVISE.R) (detail)*

195.589(c) (195.555)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Cathodic Protection for New Pipelines (detail) *Does the process specify when cathodic protection must be operational on constructed, relocated, replaced, or otherwise changed pipelines? (TD.CP.NEWOPERATE.P) (detail)*

195.402(c)(3) (195.563(a); 195.563(c); 195.563(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Cathodic Protection for New Pipelines (confirm) *Do records document when cathodic protection was operational on constructed, relocated, replaced, or otherwise changed pipelines within the last 5 years?* (TD.CP.NEWOPERATE.R) (confirm)

195.589(c) (195.563(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Cathodic Protection for Converted Pipelines (detail) *Do procedures specify when cathodic protection must be operational on pipelines that have gone through a conversion to service?* (TD.CP.CONVERTOPERATE.P) (detail)

195.402(c)(3) (195.563(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Cathodic Protection for Converted Pipelines (confirm) *Do records document when cathodic protection was operational on pipelines that had gone through a conversion to service?* (TD.CP.CONVERTOPERATE.R) (confirm)

195.589(c) (195.563(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Cathodic Protection System Maps and Records (detail) *Does the process require maps and/or records of cathodic protection systems that have been installed on pipelines constructed, relocated, replaced, converted to hazardous liquid service, or otherwise changed?* (TD.CP.MAPRECORD.P) (detail)

195.589(a) (195.589(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Cathodic Protection System Maps and Records (confirm) *Do maps and or records document cathodic protection system appurtenances that have been installed on pipelines that have been constructed, relocated, replaced, or otherwise changed or been converted to hazardous liquid service?* (TD.CP.MAPRECORD.R) (confirm)

195.589(a) (195.589(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. 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)

195.402(c)(3) (195.563(e); 195.573(b)(1); 195.573(b)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Unprotected Buried Pipelines (typically bare pipelines) (detail) *Do records document the adequate re-evaluation of buried pipelines with no cathodic protection for areas of active corrosion?* (TD.CP.UNPROTECT.R) (detail)

195.589(c) (195.573(b)(1); 195.573(b)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Correction of Corrosion Control Deficiencies (detail) *Does the process require correction of any identified deficiencies in corrosion control?* (TD.CP.DEFICIENCY.P) (detail)

195.402(c)(3) (195.573(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Correction of Corrosion Control Deficiencies (confirm) *Do records document adequate operator actions taken to correct any identified deficiencies in corrosion control?* (TD.CP.DEFICIENCY.R) (confirm)

195.589(c) (195.573(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. 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.ISOLATE.P) (detail)

195.402(c)(3) (195.575(a); 195.575(b); 195.575(c); 195.575(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Isolation from Other Metallic Structures (confirm) *Do records document adequate 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.ISOLATE.R) (confirm)

195.589(c) (195.575(a); 195.575(b); 195.575(c); 195.575(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. 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.ISOLATE.O) (confirm)

195.575(a) (195.575(b); 195.575(c); 195.575(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. 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)

195.402(c)(3) (195.575(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Protection from Fault Currents (confirm) *Do records document adequate installation and inspection of fault current and lightning protection?* (TD.CP.FAULTCURRENT.R) (confirm)

195.589(c) (195.575(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Protection from Fault Currents (detail) *Are fault current and lightning protection for the pipeline installed and inspected?* (TD.CP.FAULTCURRENT.O) (detail)

195.575(e)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - External Corrosion - Cathodic Protection Monitoring

1. Test Leads Installation (detail) *Does the process provide adequate instructions for the installation of test leads?* (TD.CPMONITOR.TESTLEADINSTALL.P) (detail)

195.402(c) (195.567(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. 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.TESTLEADINSTALL.R) (detail)

195.589(c) (195.567(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Test Leads Installation (detail) *Do pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart H?* (TD.CPMONITOR.TESTLEADINSTALL.O) (detail)

195.567(a) (195.567(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Test Leads Maintenance (detail) *Does the process require that test lead wires must be properly maintained?* (TD.CPMONITOR.TESTLEADMAINT.P) (detail)

195.402(c)(3) (195.567(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Test Leads Maintenance (confirm) *Do records document that CP test lead wires have been properly maintained?* (TD.CPMONITOR.TESTLEADMAINT.R) (confirm)

195.589(c) (195.567(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Test Leads Maintenance (confirm) (presented above) *Are CP test lead wires properly maintained?*

(TD.CPMONITOR.TESTLEADMAINT.O) (confirm)

195.567(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Cathodic Protection Monitoring Criteria (detail) *Does the process require that CP monitoring criteria be used that is acceptable?* (TD.CPMONITOR.MONITORCRITERIA.P) (detail)

(TD.CPMONITOR.MONITORCRITERIA.P) (detail)

195.402(c)(3) (195.571)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Cathodic Protection Monitoring Criteria (confirm) *Do records document that CP monitoring criteria used was acceptable?* (TD.CPMONITOR.MONITORCRITERIA.R) (confirm)

(TD.CPMONITOR.MONITORCRITERIA.R) (confirm)

195.589(c) (195.571)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Cathodic Protection Monitoring Readings (confirm) (presented above) *Do the methods for taking CP monitoring readings allow for the application of appropriate CP monitoring criteria?* (TD.CPMONITOR.MONITOR.O) (confirm)

(TD.CPMONITOR.MONITOR.O) (confirm)

195.571

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Cathodic Protection Monitoring (detail) *Does the process adequately describe how to monitor CP that has been applied to pipelines?* (TD.CPMONITOR.TEST.P) (detail)

(TD.CPMONITOR.TEST.P) (detail)

195.402(c)(3) (195.573(a)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Cathodic Protection Monitoring (confirm) *Do records document required monitoring tests have occurred and that adequate cathodic protection levels exist?* (TD.CPMONITOR.TEST.R) (confirm)

195.589(c) (195.573(a)(1))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Close Interval Surveys (detail) *Does the process adequately describe the circumstances in which a CIS or comparable technology is practicable and necessary no more than 2 years after a cathodic protection system has been installed?* (TD.CPMONITOR.CIS.P) (detail)

195.402(c)(3) (195.573(a)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Close Interval Surveys (confirm) *Do records document, when circumstances dictated a need for close interval surveys, dates of completed surveys, data from completed surveys and analysis of completed surveys?* (TD.CPMONITOR.CIS.R) (confirm)

195.589(c) (195.573(a)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Rectifiers, Bonds, Diodes and Reverse Current Switches (detail) *Does the process give sufficient details for making electrical checks of rectifiers, interference bonds, diodes, and reverse current switches?* (TD.CPMONITOR.CURRENTTEST.P) (detail)

195.402(c)(3) (195.573(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Rectifiers, Bonds, Diodes and Reverse Current Switches (confirm) *Do records document adequate electrical checks of rectifiers, interference bonds, diodes, and reverse current switches and at the required intervals?* (TD.CPMONITOR.CURRENTTEST.R) (confirm)

195.589(c) (195.573(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Rectifiers, Bonds, Diodes and Reverse Current Switches (confirm) (presented above) Are rectifiers, interference bonds, diodes, and reverse current switches properly maintained and are they functioning properly? (TD.CPMONITOR.CURRENTTEST.O) (confirm)

195.573(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Interference Currents (detail) Does the process give sufficient guidance and detail for identifying and testing areas of potential stray current, and minimizing the detrimental effects of stray currents? (TD.CPMONITOR.INTFRCURRENT.P) (detail)

195.402(c)(3) (195.577(a); 195.577(b))

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)

195.589(c) (195.577(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)

195.577(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Cathodic Protection System Maps and Records (detail) Does the process require maps and/or records of cathodic protection systems that have been installed on pipelines constructed, relocated, replaced, converted to hazardous liquid service, or otherwise changed? (TD.CPMONITOR.MAPRECORD.P) (detail)

195.589(a) (195.589(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Cathodic Protection System Maps and Records (confirm) *Do maps and or records document cathodic protection system appurtenances that have been installed on pipelines that have been constructed, relocated, replaced, or otherwise changed or been converted to hazardous liquid service? (TD.CPMONITOR.MAPRECORD.R) (confirm)*

195.589(a) (195.589(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

22. Correction of Corrosion Control Deficiencies (detail) *Does the process require correction of any identified deficiencies in corrosion control? (TD.CPMONITOR.DEFICIENCY.P) (detail)*

195.402(c)(3) (195.573(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

23. Correction of Corrosion Control Deficiencies (confirm) *Do records document adequate operator actions taken to correct any identified deficiencies in corrosion control? (TD.CPMONITOR.DEFICIENCY.R) (confirm)*

195.589(c) (195.573(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - External Corrosion - Coatings

1. New Buried Pipe Coating (detail) *Does the process require coatings for pipelines constructed, relocated, replaced, or otherwise changed after the applicable date in 195.401(c) to meet the requirements of 195.559? (TD.COAT.NEWPIPE.P) (detail)*

195.402(c)(3) (195.557(a); 195.559; 195.401(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. New Buried Pipe Coating (detail) Do records document that coatings for pipelines constructed, relocated, replaced, or otherwise changed meet the requirements of 195.559? (TD.COAT.NEWPIPE.R) (detail)

195.589(c) (195.557(a); 195.559; 195.401(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Converted Buried Pipe Coating (detail) Does the process require that pipelines that have been converted to liquid service and were constructed after the applicable date in 195.401(c) have external coating? (TD.COAT.CONVERTPIPE.P) (detail)

195.402(c)(3) (195.557(b); 195.559)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Converted Buried Pipe Coating (detail) Do records document that pipelines that have been converted to liquid service and were constructed after the applicable date in 195.401(c) have external coating? (TD.COAT.CONVERTPIPE.R) (detail)

195.589(c) (195.557(b), 195.559)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. New Buried Pipe Coating Inspection (detail) Does the process require that the coating be inspected on new pipelines just prior to it being lowered into the pipe trench? (TD.COAT.NEWPIPEINSPECT.P) (detail)

195.402(c)(3) (195.561(a); 195.561(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. New Buried Pipe Coating Inspection (detail) Do records document that pipeline segments installed within the last 5 years have the required coating and coating inspection? (TD.COAT.NEWPIPEINSPECT.R) (detail)

195.589(c) (195.559; 195.561(a); 195.561(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Exposed Pipe Coating (detail) *Does the process require that the existing coating be evaluated whenever pipe is exposed?* (TD.COAT.EXPOSEINSPECT.P) (detail)

195.402(c)(3) (195.569)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Exposed Pipe Coating (confirm) *Do records document that exposed buried pipe coating was adequately inspected to determine if it is deteriorating?* (TD.COAT.EXPOSEINSPECT.R) (confirm)

195.589(c) (195.569)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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

195.569

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Exposed Pipe Coating Repair (detail) *Does the process require that deteriorated coating be repaired when found on exposed buried pipe?* (TD.COAT.EXPOSERPAIR.P) (detail)

195.402(c)(3) (195.561(b); 195.557(a); 195.557(b))

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?* (TD.CPEXPOSED.EXPOSEINSPECT.P) (detail)

195.402(c)(3) (195.569)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. 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)

195.402(c)(3) (195.569)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Examination of Exposed Portions of Buried Pipe (confirm) *Do records document that exposed buried piping was adequately examined for corrosion?* (TD.CPEXPOSED.EXPOSEINSPECT.R) (confirm)

195.589(c) (195.569)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Examination of Exposed Portions of Buried Pipe (confirm) *Verify that exposed buried piping is examined for corrosion.* (TD.CPEXPOSED.EXPOSEINSPECT.O) (confirm)

195.569

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)

195.402(c)(3) (195.587)

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)

195.589(c) (195.587)

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.EXTCORRODEREPAIR.P) (detail)

195.402(c)(3) (195.585(a); 195.585(b))

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.EXTCORRODEREPAIR.R) (confirm)

195.589(c) (195.585(a); 195.585(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Cathodic Protection System Maps and Records (detail) *Does the process require maps and/or records of cathodic protection systems that have been installed on pipelines constructed, relocated, replaced, converted to hazardous liquid service, or otherwise changed?* (TD.CPEXPOSED.MAPRECORD.P) (detail)

195.589(a) (195.589(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Cathodic Protection System Maps and Records (confirm) *Do maps and or records document cathodic protection system appurtenances that have been installed on pipelines that have been constructed, relocated, replaced, or otherwise changed or been converted to hazardous liquid service?* (TD.CPEXPOSED.MAPRECORD.R) (confirm)

195.589(a) (195.589(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Correction of Corrosion Control Deficiencies (detail) *Does the process require correction of any identified deficiencies in corrosion control?* (TD.CPEXPOSED.DEFICIENCY.P) (detail)

195.402(c)(3) (195.573(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Correction of Corrosion Control Deficiencies (confirm) *Do records document adequate operator actions taken to correct any identified deficiencies in corrosion control?* (TD.CPEXPOSED.DEFICIENCY.R) (confirm)

195.589(c) (195.573(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - Internal Corrosion - Preventive Measures

1. Regulated Rural Gathering Internal Corrosion Identification (detail) *Is there a process to continuously identify operating conditions that could contribute to internal corrosion for regulated gathering lines?* (TD.ICP.REGRURALGATHER.P) (detail)

195.11(d) (195.11(b)(10))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Regulated Rural Gathering Internal Corrosion Identification (detail) *Do records indicate the process to continuously identify operating conditions that could contribute to internal corrosion on regulated gathering lines adequately identifies threats, and was the program established before transportation began or if the pipeline existed on July 3, 2008, before July 3, 2009?* (TD.ICP.REGRURALGATHER.R) (detail)

195.11(d) (195.11(b)(10))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Internal Corrosion Remediation (detail) *Does the process give adequate guidance for investigating and remediating the corrosive effects of hazardous liquids or carbon dioxide being transported?* (TD.ICP.INVESTREMEDI.P) (detail)

195.402(c)(3) (195.579(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Internal Corrosion Remediation (confirm) *Do records document investigation and remediation of the corrosive effects of hazardous liquids or carbon dioxide being transported?* (TD.ICP.INVESTREMED.R) (confirm)

195.589(c) (195.579(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Internal Corrosion Inhibitor Monitoring (detail) *Does the process give adequate direction for the monitoring of corrosion inhibitors?* (TD.ICP.INHIBITOR.P) (detail)

195.402(c)(3) (195.579(b)(1); 195.579(b)(2); 195.579(b)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Internal Corrosion Inhibitor Monitoring (confirm) *Do records document that corrosion inhibitors have been used in sufficient quantity?* (TD.ICP.INHIBITOR.R) (confirm)

195.589(c) (195.579(b)(1); 195.579(b)(2); 195.579(b)(3))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Internal Corrosion Monitoring (confirm) (presented above) *Are internal corrosion monitoring devices placed in appropriate locations?* (TD.ICP.INHIBITOR.O) (confirm)

195.579(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. 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)

195.402(c)(3) (195.579(a); 195.579(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Internal Corrosion in Removed Pipe (confirm) *Do records document examination of removed pipe for evidence of internal corrosion?* (TD.ICP.EXAMINE.R) (confirm)

195.589(c) (195.579(c); 195.579(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Internal Corrosion in Removed Pipe (detail) *Is removed pipe examined for evidence of internal corrosion?* (TD.ICP.EXAMINE.O) (detail)

195.579(c) (195.579(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. 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)

195.402(c)(3) (195.587)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Evaluation of Internally Corroded Pipe (confirm) *Do records document adequate evaluation of internally corroded pipe?* (TD.ICP.EVALUATE.R) (confirm)

195.589(c) (195.587)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. 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)

195.402(c)(3) (195.585(a); 195.585(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. 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)*

195.589(c) (195.585(a); 195.585(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Internal Corrosion Lining of Breakout Tanks (detail) *Does the process give adequate direction for installing breakout tank bottom linings? (TD.ICP.BOLINING.P) (detail)*

195.402(c)(3) (195.579(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

16. Internal Corrosion Lining of Breakout Tanks (confirm) *Do records document the adequate installation of breakout tank bottom linings? (TD.ICP.BOLINING.R) (confirm)*

195.589(c) (195.579(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Time-Dependent Threats - Special Permits

1. Special Permit (detail) *Has a process been developed for complying with the special permit conditions? (TD.SP.PROCESS.P) (detail)*

190.341(d)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Special Permit (detail) Do records demonstrate the operator has complied with all special permit or waiver requirements? (TD.SP.PROCESS.R) (detail)

190.341(d)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Special Permit (detail) Is the operator complying with special permit requirements? (TD.SP.PROCESS.O) (detail)

190.341(d)(2)

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)

195.501(a) (195.509(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)

195.501(a) (195.509(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)

195.501(a) (195.509(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)

195.501(a) (195.509(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)

195.501(a) (195.509(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.OO.OQPLAN.P) (detail)

195.505(a) (195.501(b); 195.3(c)(B)(9))

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)*

195.505(g)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Contractors Adhering to OQ Plan (confirm) *Does the process require the OQ plan to be communicated to contractors and provide a means to ensure that contractors are following the plan? (TQ.OQ.OQPLANCONTRACTOR.P) (confirm)*

195.505(a) (195.505(f))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Contractor and Other Entity Qualification (detail) *Are contractor organizations or other entities that perform covered tasks qualified? (TQ.OQ.OQCONTRACTOR.P) (detail)*

195.505(b) (195.505(c); 195.505(d); 195.505(e); 195.505(f))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Contractor Qualification Documentation Meets Operator Requirements (detail) *Do records provide 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)*

195.505(h)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Contractor and Other Entity Qualification (confirm) *Are qualification records available for contractor personnel that contain the required elements? (TQ.OQ.OQCONTRACTOR.R) (confirm)*

195.507(a) (195.507(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Management of Other Entities Performing Covered Tasks (confirm) *Do records document evaluation of other entity (ies) performing the covered task(s) on behalf of the operator (e.g., through mutual assistance agreements) prior to performing task? (TQ.OQ.OTHERENTITY.R) (confirm)*

195.505(b) (195.505(c); 195.503)

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)*

195.505(b) (195.503; 195.509(d); 195.509(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Evaluation Methods (detail) *Are evaluation methods documented for covered tasks and consistent with personnel qualification records? (TQ.OQ.EVALMETHOD.R) (detail)*

195.505(b) (195.503; 195.509(d); 195.509(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Abnormal Operating Conditions (detail) *Does the OQ plan adequately address abnormal operating conditions (AOCs)? (TQ.OQ.ABNORMAL.P) (detail)*

195.503 (195.505(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Abnormal Operating Conditions (detail) *Do records indicate evaluation of qualified individuals for recognition and reaction to AOCs? (TQ.OQ.ABNORMAL.R) (detail)*

195.507(a) (195.507(b); 195.503)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

12. Abnormal Operating Conditions Personnel Knowledge (confirm) *Do individuals performing covered tasks have adequate knowledge to recognize and react to abnormal operating conditions (AOCs)?* (TQ.OQ.ABNORMAL.O) (confirm)

195.503

Sat+	Sat	Concern	Unsat	NA	NC

Notes

13. Qualification Records for Personnel Performing Covered Tasks (confirm) *Do records indicate personnel qualification records contain the required elements?* (TQ.OQ.RECORDS.R) (confirm)

195.507(a) (195.507(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

14. Training Requirements (Initial, Retraining, and Reevaluation) (detail) *Does the operators program include training as a part of the qualification and/or requalification process?* (TQ.OQ.TRAINING.P) (detail)

195.505(h)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

15. Training Requirements (Initial, Retraining, and Reevaluation) (confirm) *Do records indicate that the operators program includes training as a part of the qualification and/or requalification process?* (TQ.OQ.TRAINING.R) (confirm)

195.507(a) (195.507(b); 195.505(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)

195.505(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

17. Covered Task Performed by Non-qualified Individual (detail) *Verify that non-qualified individuals performing covered tasks are being directed and observed by a qualified individual, and that restrictions and limitations are placed on such activities. (TQ.OQ.NONQUALIFIED.O) (detail)*

195.505(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

18. Personnel Performance Monitoring (detail) *Does the OQ program include provisions to evaluate an individual if the operator has 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)*

195.505(d) (195.505(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

19. Personnel Performance Monitoring (detail) *Do records indicate evaluation of an individual if there was reason to believe that an individual was no longer qualified following an occurrence? (TQ.OQ.PERFMONITOR.R) (detail)*

195.505(d) (195.505(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

20. Operator Qualification Plan and Covered Tasks (confirm) *(presented above) Do individuals performing covered tasks demonstrate adequate skills and knowledge? (TQ.OQ.OQPLAN.O) (confirm)*

195.505(h)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

21. Planning for Mergers and Acquisitions (Due Diligence re: Acquiring Qualified Individuals) (detail) *Does the process require managing qualifications of individuals performing covered tasks during program integration following a merger or acquisition? (TQ.OQ.MERGERACQ.P) (detail)*

195.505(b) (195.503)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

22. Management of Change (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)*

195.505(f)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

23. 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)*

195.505(i)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

24. Records of OQ Program Changes (confirm) *Are records maintained for changes that affect covered tasks and significant OQ plan changes? (TQ.OQ.CHANGEMOC.R) (confirm)*

195.505(i) (195.505(f))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Training and Qualification - Qualification of Personnel - Specific Requirements

1. Corrosion Control Qualification for Supervisors (detail) *Are supervisors required to maintain a thorough knowledge of corrosion control procedures they are responsible for, and is it verified? (TQ.QU.CORROSIONSUPERVISE.P) (detail)*

195.555 (195.505(h))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Corrosion Control Qualification for Supervisors (detail) *Is qualification of supervisors in corrosion control procedures documented?* (TQ.QU.CORROSIONSUPERVISE.R) (detail)

195.555 (195.507(a); 195.507(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Controller Training (detail) *Does the process establish, maintain, and review controller qualifications, abilities, and performance metrics, with particular attention to response to abnormal operating conditions?* (TQ.QU.CONTROLLER.P) (detail)

195.446(h) (195.505(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Controller Training (detail) *Is controller training and qualification documented?* (TQ.QU.CONTROLLER.R) (detail)

195.446(h) (195.507(a); 195.507(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Controller Training (detail) *Do controllers demonstrate adequate skills and knowledge?* (TQ.QU.CONTROLLER.O) (detail)

195.446(b) (195.446(c); 195.505(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Training and Qualification - Qualification of Personnel - Specific Requirements (O and M Construction)

1. Qualification of Inspectors (detail) *Are personnel who conduct pipe or pipeline system construction inspections trained and qualified?* (TQ.QUOMCONST.INSPECTORQUAL.P) (detail)

195.204

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Qualification of Inspectors (detail) *Are adequate qualification records available for personnel who conduct pipe or pipeline system construction inspections?* (TQ.QUOMCONST.INSPECTORQUAL.R) (detail)

195.204

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Qualification of Inspectors (detail) *Do inspectors who ensure pipeline systems are installed per requirements demonstrate adequate skills and knowledge?* (TQ.QUOMCONST.INSPECTORQUAL.O) (detail)

195.204

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Qualification of Welders (detail) *Are welders qualified in accordance with API-1104 or the ASME Boiler & Pressure Vessel Code?* (TQ.QUOMCONST.WELDER.P) (detail)

195.222(a) (195.222(b)); Section 6 of API-1104, Section IX of ASME Boiler & Pressure Vessel Code; 195.214(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Qualification Records for Welders (detail) *Is qualification of welders in accordance with API-1104 or the ASME Boiler & Pressure Vessel Code documented?* (TQ.QUOMCONST.WELDER.R) (detail)

195.222(a) (195.214(a); 195.222(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Skills and Knowledge of Welders (detail) *Do welders demonstrate adequate skills and knowledge?*

(TQ.QUOMCONST.WELDER.O) (detail)

195.222(a) (195.505(b); 195.214(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Training and Qualification - Training of Personnel - Dispatcher

1. Dispatcher Training (detail) *Does the process require that dispatchers are trained in the recognition of CPM alarms?* (TQ.TRCNTRL.CNTRLTRAINING.P) (detail)

(TQ.TRCNTRL.CNTRLTRAINING.P) (detail)

195.444 (195.446(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Dispatcher Training - API 1130 (detail) *Do the process require dispatcher training be provided in compliance with API-1130?* (TQ.TRCNTRL.CNTRLTRAINING1130.P) (detail)

(TQ.TRCNTRL.CNTRLTRAINING1130.P) (detail)

195.444 (195.505(h))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Dispatcher Training (detail) *Is dispatcher training and qualification documented?*

(TQ.TRCNTRL.CNTRLTRAINING.R) (detail)

195.444 (195.507(a); 195.507(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Dispatcher Training (detail) *Do dispatchers demonstrate adequate skills and knowledge?*

(TQ.TRCNTRL.CNTRLTRAINING.O) (detail)

195.444 (195.505(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Training and Qualification - Training of Personnel - Emergency Response

1. Emergency Response Training - Procedures (detail) *Does emergency response training cover the emergency procedures established under 195.402? (TQ.TRERP.ERTRAINING.P) (detail)*

195.403(a)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Emergency Response Training - Hazards (detail) *Are the characteristics and hazards of the hazardous liquids or carbon dioxide transported covered in the ER training? (TQ.TRERP.ERHAZTRAINING.P) (detail)*

195.403(a)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Emergency Response Training - Conditions (detail) *Are conditions that are likely to cause emergencies, their consequences, and appropriate corrective action identified in the ER training? (TQ.TRERP.ERCONDITIONS.P) (detail)*

195.403(a)(3)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Emergency Response Training - Release Control (detail) *Are the steps necessary to control any accidental release of hazardous liquid to minimize the potential for fire, explosion, toxicity, or environmental damage identified in the ER training? (TQ.TRERP.ERRELEASECONTROL.P) (detail)*

195.403(a)(4)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

5. Emergency Response Training - Fire (detail) *Are the potential causes, types, sizes, and consequences of fire and appropriate use of portable fire extinguishers and other on-site fire control equipment covered in the ER training? (TQ.TRERP.ERFIREPROT.P) (detail)*

195.403(a)(5)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

6. Training Records for Emergency Response Personnel (detail) *Is training for emergency response personnel documented? (TQ.TRERP.ERTRAININGRECORDS.R) (detail)*

195.404(c) (195.403(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

7. Emergency Response Personnel Skills and Knowledge (detail) *Do emergency response personnel demonstrate adequate skills and knowledge? (TQ.TRERP.ERTRAINING.O) (detail)*

195.403(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

8. Emergency Response Training Performance Review (detail) *Does the process require review of emergency response personnel performance at the required frequency? (TQ.TRERP.ERTRAININGREVIEW.P) (detail)*

195.403(b)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

9. Emergency Response Training Performance Review (detail) *Has review of emergency response personnel performance at the required frequency been documented? (TQ.TRERP.ERTRAININGREVIEW.R) (detail)*

195.404(c) (195.403(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

10. Emergency Response Supervisor Training (detail) *Does the process require supervisors be trained on emergency response procedures for which they are responsible?* (TQ.TRERP.ERTRAININGSUPERVISE.P) (detail)

195.403(c)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

11. Emergency Response Supervisor Training (detail) *Do emergency response supervisors demonstrate adequate skills and knowledge?* (TQ.TRERP.ERTRAININGSUPERVISE.O) (detail)

195.403(c) (195.405)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

Training and Qualification - Training of Personnel - O and M Construction

1. Inspector Training (detail) *Does the process require any person performing inspections be trained?* (TQ.TROMCONST.INSPECTORTRAIN.P) (detail)

195.204

Sat+	Sat	Concern	Unsat	NA	NC

Notes

2. Inspector Training (detail) *Are training records available for those performing inspections?* (TQ.TROMCONST.INSPECTORTRAIN.R) (detail)

195.204

Sat+	Sat	Concern	Unsat	NA	NC

Notes

3. Training for Nondestructive Testing (detail) *Does the process require nondestructive testing of welds (for maintenance and construction) to be performed by personnel who are trained in procedures established to ensure compliance with 195.228 and in use of the testing equipment? (TQ.TROMCONST.NDT.P) (detail)*

195.234(b)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

4. Training for Nondestructive Testing (detail) *Is training for personnel, who perform nondestructive testing of welds, documented and demonstrated? (TQ.TROMCONST.NDT.R) (detail)*

195.234(b)(2)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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