

Iowa Utilities Board

MEC Bettendorf Unit GT Inspection (Revised)

Date of Briefing: 10/25/2019

Dates of Inspection: September 17, 18, 19, 20, 23, 24, 25, 26, 27, 30 &

October 1, 2, and 25, 2019

Operator: MIDAMERICAN ENERGY COMPANY

Operator ID: 30750 (RG-0156), 11 lines P-Dockets: P-0067, P-0148, P-0451, P-0529, P-0554, P-0701, P-0729, P-0732, P-0750, P-0792 & P-0831

Inspection Systems: Bettendorf Unit Gas Transmission Pipelines

Assets (Unit IDs): MEC Bettendorf GT

System Type: GT

Inspection Name: Insp-MEC-Bettendorf-GT-2019

Lead Inspector: Dave McCann with Keith Wieland

Operator Representative: Darwin Hook Sr. Operations Analyst, Crystal Lee Associate Operations Analyst, Ryan Livingston - Integrity Management Anne Wing-Pilcher - OQ, & Deric McLaren - Public Awareness

Unsats and/or Concerns

Maintenance and Operations: ROW Markers, Patrols, Leakage Survey and Monitoring (MO.RW)

Question Title, ID Placement of ROW Markers , MO.RW.ROWMARKER.O (also presented in: PD.RW)

Question Text Are line markers placed and maintained as required?

References 192.707(a) (192.707(b), 192.707(c), 192.707(d))

Assets Covered MEC Bettendorf GT (Standard Inspection)

Issue Summary **Probable Violation 192.707(d)(1)**

Result Notes The field inspection found four markers which were either missing information or illegible:

1. East of DRS 214, 230th St, DeWitt
2. Intersection of 280th Ave & 175th St
3. West of 280th Ave and 175th St

4. At TBS 38, Muscatine

Example of a Marker Post found with missing information



Public Awareness and Damage Prevention: ROW Markers, Patrols, Monitoring (PD.RW)

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Maintenance and Operations: ROW Markers, Patrols, Leakage Survey and Monitoring (MO.RW)

Question Title, ID ROW Conditions , MO.RW.ROWCONDITION.O (also presented in: PD.RW)

Question Text Are the ROW conditions acceptable for the type of patrolling used?

References 192.705(a) (192.705(c))

Assets Covered MEC Bettendorf GT (Standard Inspection)

Issue Summary **Advisory: 192.705(b)**

Result Notes The overgrowth and foliage within pipeline ROWs on the 14 transmission lines in the Quad Cities Unit are cleared on a seven year cycle by company choice. Some specific areas were found to contain some extra heavy foliage with small trees and shrubs blocking the sightline. Patrolling records do not reflect ROW foliage as found in the inspection. The four locations having examples of inadequate access to observe surface conditions are:

1. Line 602 Scott College near Culinary School building
2. Line 602 Goose Creek crossing
3. Line 611 ROW along 39th St & South to Central Ave
4. Line 608 from DRS 3 south two miles.

Example of an overgrown right-of-way.



Public Awareness and Damage Prevention: ROW Markers, Patrols, Monitoring (PD.RW)

Question Title, ID ROW Conditions , MO.RW.ROWCONDITION.O (also presented in: MO.RW)

Question Text Are the ROW conditions acceptable for the type of patrolling used?

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Assets Covered MEC Bettendorf GT (Standard Inspection)

Issue Summary **Advisory: 192.705(b)**

((Repeated Question))

Result Notes The overgrowth and foliage within pipeline ROWs on the 14 transmission lines in the Quad Cities Unit are cleared on a seven year cycle by company choice. Some specific areas were found to contain some extra heavy foliage with small trees and shrubs blocking the sightline. Patrolling records do not reflect ROW foliage as found in the inspection. The four locations having examples of inadequate access to observe surface conditions are:

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Inspection Results

Inspection Information

Inspection Name Insp-MEC-Bettendorf-GT-2019	Operator(s) MIDAMERICAN ENERGY COMPANY (30750)	Plan Submitted 09/05/2019
Status PLANNED	Lead Dave McCann	Plan Approval 09/06/2019 by Sanel Lisinovic
Start Year 2019	Team Members Keith Wieland	All Activity Start 09/16/2019
System Type GT	Supervisor Sanel Lisinovic	All Activity End 10/03/2019
Protocol Set ID GT.2019.01	Director Magid Yousif	Inspection Submitted 12/20/2019
		Inspection Approval --

Inspection Summary

Inspection Scope and Summary

MidAmerican Energy Company - Bettendorf Unit Gas Transmission Systems

Facilities visited

MEC Bettendorf Unit, 5995 Fenno Road, Bettendorf, Iowa 52722. Fourteen towns are included in this inspection along with eleven permitted transmission lines. The Permits are tagged as follows:

P-0067, P-0148, P-0451, P-0529, P-0554, P-0701, P-0729, P-0732, P-0750, P-0792 & P-0831

HCA mileage and many identified sites are identified by the operator on multiple lines within this Unit.

Staff inspected each town, viewing regulator stations, transmission line markers and right-of-ways, business districts, commercial areas, and school zones for proper signage of pipelines through these and heavily populated areas.

Dates of Inspection and Total AFOD

September 17, 18, 19, 20, 23, 24, 25, 26, 27, 30, October 1, 2, and 25, 2019, with two inspectors present for the whole inspection.

Dave McCann - Lead & Keith Wieland, 12 Days AFO X 2 Inspectors = 24 + 4 Hours.

Summary of Significant Findings

Probable Violation:
192.707(d)(1) x 4 instances
Advisory:
192.705(b) x 4 instances

Primary Operator contacts and/or participants

Darwin Hook Sr. Operations Analyst, Crystal Lee Associate Operations Analyst, Ryan Livingston - Integrity Management Anne Wing-Pilcher - OQ, & Deric McLaren - Public Awareness

Participants attending the phonetic exit briefing-October 25, 2019

Crystal Lee, Darwin Hook, Eric Smith, Brian Phelps, Dave McCann, Keith Wieland, Dan Miller, Dave Requet, Eric Bowden, and Mitch Salek.

Operator executive contact and mailing address for any official correspondence

Mr. Robert Berntsen
Sr. Vice President and General Council
MidAmerican Energy Company
666 Grand Avenue, Suite 500
Des Moines, IA 50306-0657

Results (all values, 76 results)

85 (instead of 76) results are listed due to re-presentation of questions in more than one sub-group.

AR.IL: In-Line Inspection (Smart Pigs)

1. Question Result, ID, NA, AR.IL.IVALIDATE.R, 192.947(g) (192.921(a)(1))
References

Question Text *Do records demonstrate that the operator has validated ILI assessment results per their process?*

Assets Covered Standard Inspection

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

AR.PTI: Integrity Assessment Via Pressure Test

2. Question Result, ID, NA, AR.PTI.PRESSTESTRESULT.R, 192.517(a) (192.505(a), 192.505(b), 192.505(c), 192.505(d),
References 192.505(e), 192.507(a), 192.507(b), 192.507(c), 192.513(a), 192.513(b), 192.513(c), 192.513(d),
192.517(b), 192.617, 192.619(a), 192.919(e), 192.921(a)(2))

Question Text *Do the test records validate the pressure test?*

Assets Covered Standard Inspection

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

AR.RC: Repair Criteria

3. Question Result, ID, NA, AR.RC.SCHEDULEIMPL.R, 192.947(f) (192.933(d))
References

Question Text *Do records demonstrate that defects in covered segments were remediated (i.e., repair, pressure reduction, or notification to PHMSA) within the applicable mandatory time limits of 192.933(d)?*

Assets Covered Standard Inspection

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

AR.RMP: Repair Methods and Practices

4. Question Result, ID, Sat, AR.RMP.METHOD.R, 192.709(a) (192.713(a), 192.713(b), 192.717(a), 192.717(b), ASME B31.8S-
References 2004 Section 7)

Question Text *From the review of records, were all repairs performed in accordance with processes, applicable sections of 49 CFR Parts 192 and the guidance of ASME B31.8S-2004, Section 7, and the Pipeline Repair Manual, Revision 5?*

Assets Covered Standard Inspection

5. Question Result, ID, Sat, AR.RMP.REPAIRQUAL.R, 192.807(b) (192.805(h))
References

Question Text *From the review of selected records, were personnel performing repairs, other than welding, and post repair tests qualified for the task they performed?*

Assets Covered Standard Inspection

6. Question Result, ID, NA, AR.RMP.REPLACESTD.R, 192.713(a) (Part 192 Subpart D)
References

Question Text *From the review of records, were any components that were replaced constructed to the same or higher standards as the original component?*

Assets Covered Standard Inspection

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

7. Question Result, ID, NA, AR.RMP.FIELDREPAIRLEAK.R, 192.717(a) (192.717(b))
References

Question Text *From the review of records, did the operator properly repair leaks on transmission lines?*

Assets Covered Standard Inspection

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

CR.CRMRR: CRM Roles and Responsibilities

8. Question Result, ID, Sat, CR.CRMRR.PRESSLIMITS.O, 192.631(b)(2) (192.619(a), 192.631(e)(1))
References

Question Text *Are controllers aware of the current MAOPs of all pipeline segments for which they are responsible, and have they been assigned the responsibility to maintain those pipelines at or below the MAOP?*

Assets Covered Standard Inspection

CR.SCADA: Supervisory Control and Data Acquisition

9. Question Result, ID, Sat, CR.SCADA.POINTVERIFY.R, 192.631(c)(2)
References

Question Text *Have required point-to-point verifications been performed?*

Assets Covered Standard Inspection

DC.DPC: Design of Pipe Components

10. Question Result, ID, Sat, DC.DPC.VALVESPACE.O, 192.141 (192.179(a), 192.179(b), 192.179(c), 192.179(d))
References

Question Text *Are transmission line valves being installed as required of 192.179?*

Assets Covered Standard Inspection

EP.ERG: Emergency Response

11. Question Result, ID, Sat, EP.ERG.REVIEW.R, 192.605(a)
References

Question Text *Have annual reviews been conducted of the emergency plans and procedures as required, and any updates completed as appropriate?*

Assets Covered Standard Inspection

12. Question Result, ID, Sat, EP.ERG.NOTICES.R, 192.615(a)(1)
References

Question Text *Do records indicate receiving, identifying, classifying and communication of notices of events requiring immediate response in accordance with procedures?*

Assets Covered Standard Inspection

13. Question Result, ID, Sat, EP.ERG.LIAISON.R, 192.605(a) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4),
References 192.616(c), ADB-05-03) (also presented in: PD.PA)

Question Text *Do records indicate that liaison has been established and maintained with appropriate fire, police, public officials, and utility owners?*

Assets Covered Standard Inspection

IM.CA: Continual Evaluation and Assessment

14. Question Result, ID, Sat, IM.CA.REASSESSINTERVAL.R, 192.947(d) (192.937(a), 192.939(a), 192.939(b), 192.913(c))
References

Question Text *Do records demonstrate that reassessment intervals were established consistent with the requirements of the operator's processes?*

Assets Covered Standard Inspection

IM.HC: High Consequence Areas

15. Question Result, ID, Sat, IM.HC.HCANEW.R, 192.947(d) (192.905(c))
References
Question Text *Do records demonstrate new information that impacts, or creates a new, high consequence area has been integrated with the integrity management program?*
Assets Covered Standard Inspection
16. Question Result, ID, Sat, IM.HC.HCADATA.O, 192.905(c)
References
Question Text *Are HCAs correctly identified per up-to-date information?*
Assets Covered Standard Inspection
Result Notes Yes. 14 transmission lines are located within the Davenport/Bettendorf Unit with numerous HCA miles and "Identified Sites" identified by the operator.

IM.PM: Preventive and Mitigative Measures

17. Question Result, ID, Sat, IM.PM.PMMGENERAL.R, 192.947(d) (192.935(a))
References
Question Text *Do records demonstrate that additional measures have been identified and implemented (or scheduled) beyond those already required by Part 192 to prevent a pipeline failure and to mitigate the consequences of a pipeline failure in an HCA?*
Assets Covered Standard Inspection

MO.GOABNORMAL: Gas Pipeline Abnormal Operations

18. Question Result, ID, Sat, MO.GOABNORMAL.ABNORMAL.R, 192.605(a) (192.605(c)(1))
References
Question Text *Did personnel respond to indications of abnormal operations as required by the process?*
Assets Covered Standard Inspection

MO.GOCLASS: Gas Pipeline Class Location

19. Question Result, ID, NA, MO.GOCLASS.CLASSLOCATESTUDY.R, 192.605(b)(1) (192.609(a), 192.609(b), 192.609(c), 192.609(d), 192.609(e), 192.609(f))
References
Question Text *Do records indicate performance of the required study whenever the population along a pipeline increased or there was an indication that the pipe hoop stress was not commensurate with the present class location?*
Assets Covered Standard Inspection
Result Notes No such event occurred, or condition existed, in the scope of inspection review.
20. Question Result, ID, Sat, MO.GO.CONTSURVEILLANCE.R, 192.709(c) (192.613(a), 192.613(b), 192.703(b), 192.703(c)) (also presented in: MO.GO)
References
Question Text *Do records indicate performance of continuing surveillance of facilities as required, and also the reconditioning, phasing out, or MAOP reduction in any pipeline segment that was determined to be in unsatisfactory condition but on which no immediate hazard existed?*
Assets Covered Standard Inspection
Result Notes No unsatisfactory conditions have been experienced this period.
21. Question Result, ID, NA, MO.GO.CONTSURVEILLANCE.O, 192.613(a) (192.613(b), 192.703(a), 192.703(b), 192.703(c)) (also presented in: MO.GO)
References
Question Text *Are unsatisfactory conditions being captured and addressed by continuing surveillance of facilities and the pipeline as required by 192.613?*
Assets Covered Standard Inspection
Result Notes No such event occurred, or condition existed, in the scope of inspection review.

MO.GOMAOP: Gas Pipeline MAOP

22. Question Result, ID, Sat, MO.GOMAOP.MAOPDETERMINE.R, 192.709(c) (192.619(a), 192.619(b))
References

Question Text *Do records indicate determination of the MAOP of pipeline segments in accordance with 192.619 and limiting of the operating pressure as required?*

Assets Covered Standard Inspection

23. Question Result, ID, Sat, MO.GOMAOP.MAOPLIMIT.R, 192.603(b) (192.605(b)(5))
References

Question Text *Do records indicate operation within MAOP limits, plus the build-up allowed for operation of pressure-limiting and control devices, was assured while starting up and shutting down any part of the pipeline?*

Assets Covered Standard Inspection

MO.GM: Gas Pipeline Maintenance

24. Question Result, ID, Sat, MO.GM.RECORDS.R, 192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c)) (also
References presented in: MO.GMOPP)

Question Text *Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?*

Assets Covered Standard Inspection

25. Question Result, ID, Sat, MO.GM.VALVEINSPECT.R, 192.709(c) (192.745(a), 192.745(b))
References

Question Text *Do records indicate proper inspection and partial operation of transmission line valves that may be required during an emergency as required and prompt remedial actions taken if necessary?*

Assets Covered Standard Inspection

26. Question Result, ID, NA, MO.GM.VALVEINSPECT.O, 192.745(a) (192.745(b))
References

Question Text *Are field inspection and partial operation of transmission line valves adequate?*

Assets Covered Standard Inspection

Result Notes No such activity/condition was observed during the inspection.

MO.GOODOR: Gas Pipeline Odorization

27. Question Result, ID, Sat, MO.GOODOR.ODORIZE.R, 192.709(c) (192.625(a), 192.625(b), 192.625(c), 192.625(d),
References 192.625(e), 192.625(f))

Question Text *Do records indicate appropriate odorization of its combustible gases in accordance with its processes and conduct of the required testing to verify odorant levels met requirements?*

Assets Covered Standard Inspection

MO.GO: Gas Pipeline Operations

28. Question Result, ID, Sat, MO.GO.CONTSURVEILLANCE.R, 192.709(c) (192.613(a), 192.613(b), 192.703(b), 192.703(c)) (also
References presented in: MO.GOCLASS)

Question Text *Do records indicate performance of continuing surveillance of facilities as required, and also the reconditioning, phasing out, or MAOP reduction in any pipeline segment that was determined to be in unsatisfactory condition but on which no immediate hazard existed?*

Assets Covered Standard Inspection

Result Notes No unsatisfactory conditions have been experienced this period.

29. Question Result, ID, NA, MO.GO.CONTSURVEILLANCE.O, 192.613(a) (192.613(b), 192.703(a), 192.703(b), 192.703(c)) (also
References presented in: MO.GOCLASS)

Question Text *Are unsatisfactory conditions being captured and addressed by continuing surveillance of facilities and the pipeline as required by 192.613?*

Assets Covered Standard Inspection

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

30. Question Result, ID, Sat, MO.GO.OMANNUALREVIEW.R, 192.605(a)
References

Question Text *Has the operator conducted annual reviews of the written procedures or processes in the manual as required?*

Assets Covered Standard Inspection

31. Question Result, ID, Sat, MO.GO.OMHISTORY.O, 192.605(b)(3)
References

Question Text *Are construction records, maps and operating history available to appropriate operating personnel?*

Assets Covered Standard Inspection

MO.GMOPP: Gas Pipeline Overpressure Protection

32. Question Result, ID, Sat, MO.GMOPP.PRESSREGCAP.R, 192.709(c) (192.743(a), 192.743(b), 192.743(c))
References

Question Text *Do records indicate testing or review of the capacity of each pressure relief device at each pressure limiting station and pressure regulating station as required?*

Assets Covered Standard Inspection

33. Question Result, ID, Sat, MO.GM.RECORDS.R, 192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c)) (also
References presented in: MO.GM)

Question Text *Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?*

Assets Covered Standard Inspection

34. Question Result, ID, Sat, MO.GMOPP.PRESSREGTEST.R, 192.709(c) (192.739(a), 192.739(b))
References

Question Text *Do records indicate inspection and testing of pressure limiting, relief devices, and pressure regulating stations?*

Assets Covered Standard Inspection

35. Question Result, ID, NA, MO.GMOPP.PRESSREGTEST.O, 192.739(a) (192.739(b), 192.743)
References

Question Text *Are field or bench tests or inspections of regulating stations, pressure limiting stations or relief devices adequate?*

Assets Covered Standard Inspection

Result Notes No such activity/condition was observed during the inspection.

MO.RW: ROW Markers, Patrols, Leakage Survey and Monitoring

36. Question Result, ID, Sat, MO.RW.PATROL.R, 192.709(c) (192.705(a), 192.705(b), 192.705(c)) (also presented in: PD.RW)
References

Question Text *Do records indicate that ROW surface conditions have been patrolled as required?*

Assets Covered Standard Inspection

37. Question Result, ID, Unsat, MO.RW.ROWMARKER.O, 192.707(a) (192.707(b), 192.707(c), 192.707(d)) (also presented in:
References PD.RW)

Question Text *Are line markers placed and maintained as required?*

Assets Covered Standard Inspection

Result Issue Summary **Probable Violation 192.707(d)(1)**

Standard Issues B2 (Moderate or small impact/limited occurrence) : 192.707(d)(1) : Line markers not placed and maintained at public road and railroad crossings

Result Notes The field inspection found four markers which were either missing information or illegible:

1. East of DRS 214, 230th St, DeWitt
2. Intersection of 280th Ave & 175th St
3. West of 280th Ave and 175th St
4. At TBS 38, Muscatine

38. Question Result, ID, Concern, MO.RW.ROWCONDITION.O, 192.705(a) (192.705(c)) (also presented in: PD.RW)
References

Question Text *Are the ROW conditions acceptable for the type of patrolling used?*

Assets Covered Standard Inspection

Result Issue Summary **Advisory: 192.705(b)**

Result Notes The overgrowth and foliage within pipeline ROWs on the 14 transmission lines in the Quad Cities Unit are cleared on a seven year cycle by company choice. Some specific areas were found to contain some extra heavy foliage with small trees and shrubs blocking the sightline. Patrolling records do not reflect ROW foliage as found in the inspection. The four locations having examples of inadequate access to observe surface conditions are:

1. Line 602 Scott College near Cullinary School
2. Line 602 Goose Creek crossing
3. Line 611 ROW along 39th St & South to Central Ave
4. Line 608 from DRS 3 south two miles.

39. Question Result, ID, Sat, MO.RW.LEAKAGE.R, 192.709(c) (192.706, 192.706(a), 192.706(b), 192.935(d))
References

Question Text *Do records indicate leakage surveys conducted as required?*

Assets Covered Standard Inspection

PD.DP: Damage Prevention

40. Question Result, ID, Sat, PD.DP.PDPROGRAM.R, 192.614(c)
References

Question Text *Does the damage prevention program meet minimum requirements specified in 192.614(c)?*

Assets Covered Standard Inspection

PD.PA: Public Awareness

41. Question Result, ID, Sat, PD.PA.AUDIENCEID.R, 192.616(d) (192.616(e), 192.616(f), API RP 1162 Section 2.2, API RP 1162
References Section 3)

Question Text *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?*

Assets Covered Standard Inspection

42. Question Result, ID, Sat, EP.ERG.LIAISON.R, 192.605(a) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4),
References 192.616(c), ADB-05-03) (also presented in: EP.ERG)

Question Text *Do records indicate that liaison has been established and maintained with appropriate fire, police, public officials, and utility owners?*

Assets Covered Standard Inspection

PD.RW: ROW Markers, Patrols, Monitoring

43. Question Result, ID, Sat, MO.RW.PATROL.R, 192.709(c) (192.705(a), 192.705(b), 192.705(c)) (also presented in: MO.RW)
References

Question Text *Do records indicate that ROW surface conditions have been patrolled as required?*

Assets Covered Standard Inspection

44. Question Result, ID, Unsat, MO.RW.ROWMARKER.O, 192.707(a) (192.707(b), 192.707(c), 192.707(d)) (also presented in:
References MO.RW)

Question Text *Are line markers placed and maintained as required?*

Assets Covered Standard Inspection

Result Issue Summary **Probable Violation 192.707(d)(1)**

Standard Issues B2 (Moderate or small impact/limited occurrence) : 192.707(d)(1) : Line markers not placed and maintained at public road and railroad crossings

Result Notes The field inspection found four markers which were either missing information or illegible:

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3. West of 280th Ave and 175th St
4. At TBS 38, Muscatine

45. Question Result, ID, Concern, MO.RW.ROWCONDITION.O, 192.705(a) (192.705(c)) (also presented in: MO.RW) References

Question Text *Are the ROW conditions acceptable for the type of patrolling used?*

Assets Covered Standard Inspection

Result Issue Summary **Advisory: 192.705(b)**

Result Notes The overgrowth and foliage within pipeline ROWs on the 14 transmission lines in the Quad Cities Unit are cleared on a seven year cycle by company choice. Some specific areas were found to contain some extra heavy foliage with small trees and shrubs blocking the sightline. Patrolling records do not reflect ROW foliage as found in the inspection. The four locations having examples of inadequate access to observe surface conditions are:

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RPT.RR: Regulatory Reporting (Traditional)

46. Question Result, ID, Sat, RPT.RR.ANNUALREPORT.R, 191.17(a) References

Question Text *Have complete and accurate Annual Reports been submitted?*

Assets Covered Standard Inspection

47. Question Result, ID, Sat, RPT.RR.IMMEDREPORT.R, 191.5(a) (191.7(a)) References

Question Text *Do records indicate immediate notifications of incidents were made in accordance with 191.5?*

Assets Covered Standard Inspection

48. Question Result, ID, NA, RPT.RR.INCIDENTREPORTSUPP.R, 191.15(d) References

Question Text *Do records indicate accurate supplemental incident reports were filed and within the required timeframe?*

Assets Covered Standard Inspection

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

49. Question Result, ID, Sat, RPT.RR.INCIDENTREPORT.R, 191.15(a) References

Question Text *Do records indicate reportable incidents were identified and reports were submitted to DOT on Form 7100.2 within the required timeframe?*

Assets Covered Standard Inspection

50. Question Result, ID, NA, RPT.RR.SRCR.R, 191.23(a) (191.23(b), 191.25(a), 191.25(b)) References

Question Text *Do records indicate safety-related condition reports were filed as required?*

Assets Covered Standard Inspection

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

51. Question Result, ID, References Sat, RPT.RR.NPMSANNUAL.R, 191.29(a) (191.29(b))
 Question Text *Do records indicate NPMS submissions were completed each year, on or before March 15, representing all in service, idle and retired assets as of December 31 of the previous year (excludes distribution lines and gathering lines) occurred, and that if no modifications occurred, an email was submitted stating that fact?*
 Assets Covered Standard Inspection
52. Question Result, ID, References Sat, RPT.RR.OPID.R, 191.22(a) (191.22(c), 191.22(d))
 Question Text *Do records indicate appropriate obtaining, and control of, Operator Identification Numbers (OPIDs), including changes in entity, acquisition/divestiture, and construction/update/uprate?*
 Assets Covered Standard Inspection

TD.ATM: Atmospheric Corrosion

53. Question Result, ID, References Sat, TD.ATM.ATMCORRODEINSP.O, 192.481(b) (192.481(c), 192.479(a), 192.479(b), 192.479(c))
 Question Text *Is pipe that is exposed to atmospheric corrosion protected?*
 Assets Covered Standard Inspection
54. Question Result, ID, References Sat, TD.ATM.ATMCORRODE.R, 192.491(c) (192.479(a), 192.479(b), 192.479(c))
 Question Text *Do records document the protection of above ground pipe from atmospheric corrosion?*
 Assets Covered Standard Inspection
55. Question Result, ID, References Sat, TD.ATM.ATMCORRODEINSP.R, 192.491(c) (192.481(a), 192.481(b), 192.481(c))
 Question Text *Do records document inspection of aboveground pipe for atmospheric corrosion?*
 Assets Covered Standard Inspection

TD.CPMONITOR: External Corrosion - CP Monitoring

56. Question Result, ID, References Sat, TD.CPMONITOR.CURRENTTEST.R, 192.491(c) (192.465(b))
 Question Text *Do records document details of electrical checks of sources of rectifiers or other impressed current sources?*
 Assets Covered Standard Inspection
57. Question Result, ID, References Sat, TD.CPMONITOR.MONITORCRITERIA.O, 192.465(a)
 Question Text *Are methods used for taking CP monitoring readings that allow for the application of appropriate CP monitoring criteria?*
 Assets Covered Standard Inspection
58. Question Result, ID, References Sat, TD.CPMONITOR.MONITORCRITERIA.R, 192.491(c) (192.463(a))
 Question Text *Do records document that the CP monitoring criteria used was acceptable?*
 Assets Covered Standard Inspection
59. Question Result, ID, References Sat, TD.CPMONITOR.TEST.R, 192.491(c) (192.465(a))
 Question Text *Do records adequately document cathodic protection monitoring tests have occurred as required?*
 Assets Covered Standard Inspection
60. Question Result, ID, References Sat, TD.CPMONITOR.CURRENTTEST.O, 192.465(b)
 Question Text *Are impressed current sources properly maintained and are they functioning properly?*
 Assets Covered Standard Inspection
61. Question Result, ID, References NA, TD.CPMONITOR.REVCURRENTTEST.R, 192.491(c) (192.465(c))

Question Text *Do records document details of electrical checks interference bonds, diodes, and reverse current switches?*

Assets Covered Standard Inspection

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

62. Question Result, ID, NA, TD.CPMONITOR.REVCURRENTTEST.O, 192.465(c)
References

Question Text *Are interference bonds, diodes, and reverse current switches properly maintained and are they functioning properly?*

Assets Covered Standard Inspection

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

63. Question Result, ID, Sat, TD.CPMONITOR.DEFICIENCY.R, 192.491(c) (192.465(d))
References

Question Text *Do records adequately document actions taken to correct any identified deficiencies in corrosion control?*

Assets Covered Standard Inspection

64. Question Result, ID, Sat, TD.CPMONITOR.TESTLEAD.R, 192.491(c) (192.471(a), 192.471(b), 192.471(c))
References

Question Text *Do records document that pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I?*

Assets Covered Standard Inspection

65. Question Result, ID, Sat, TD.CPMONITOR.INTFRCURRENT.R, 192.491(c) (192.473(a))
References

Question Text *Do records document an effective program is in place to minimize detrimental effects of interference currents and that detrimental effects of interference currents from CP systems on other underground metallic structures are minimized?*

Assets Covered Standard Inspection

66. Question Result, ID, NA, TD.CPMONITOR.INTFRCURRENT.O, 192.473(a)
References

Question Text *Are areas of potential stray current identified, and if found, the detrimental effects of stray currents minimized?*

Assets Covered Standard Inspection

Result Notes No such activity/condition was observed during the inspection. There are three stray current (AC) drain points on the transmission line along North Eastern Ave in Bettendorf.

67. Question Result, ID, Sat, TD.CP.RECORDS.R, 192.491(a) (also presented in: TD.CP, TD.CPEXPOSED)
References

Question Text *Do records indicate the location of all items listed in 192.491(a)?*

Assets Covered Standard Inspection

TD.CP: External Corrosion - Cathodic Protection

68. Question Result, ID, NA, TD.CP.UNPROTECT.R, 192.491(c) (192.465(e))
References

Question Text *Do records adequately document the re-evaluation of non-cathodically protected buried pipelines for areas of active corrosion?*

Assets Covered Standard Inspection

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

69. Question Result, ID, Sat, TD.CP.ELECISOLATE.R, 192.491(c) (192.467(a), 192.467(b), 192.467(c), 192.467(d), 192.467(e))
References

Question Text *Do records adequately document electrical isolation of each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit?*

Assets Covered Standard Inspection

70. Question Result, ID, Sat, TD.CP.ELECISOLATE.O, 192.467(a) (192.467(b), 192.467(c), 192.467(d), 192.467(e))
References

Question Text *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?*

Assets Covered Standard Inspection

71. Question Result, ID, Sat, TD.CP.RECORDS.R, 192.491(a) (also presented in: TD.CPMONITOR, TD.CPEXPOSED)
References

Question Text *Do records indicate the location of all items listed in 192.491(a)?*

Assets Covered Standard Inspection

TD.CPEXPOSED: External Corrosion - Exposed Pipe

72. Question Result, ID, Sat, TD.CPEXPOSED.EXPOSEINSPECT.R, 192.491(c) (192.459)
References

Question Text *Do records adequately document that exposed buried piping was examined for corrosion and deteriorated coating?*

Assets Covered Standard Inspection

73. Question Result, ID, Sat, TD.CPEXPOSED.EXTCORRODEEVAL.R, 192.491(c) (192.485(a), 192.485(b), 192.485(c))
References

Question Text *Do records adequately document the evaluation of externally corroded pipe?*

Assets Covered Standard Inspection

74. Question Result, ID, Sat, TD.CP.RECORDS.R, 192.491(a) (also presented in: TD.CPMONITOR, TD.CP)
References

Question Text *Do records indicate the location of all items listed in 192.491(a)?*

Assets Covered Standard Inspection

TD.ICP: Internal Corrosion - Preventive Measures

75. Question Result, ID, Sat, TD.ICP.EXAMINE.R, 192.491(c) (192.475(a), 192.475(b))
References

Question Text *Do records document examination of removed pipe for evidence of internal corrosion?*

Assets Covered Standard Inspection

76. Question Result, ID, Sat, TD.ICP.EVALUATE.R, 192.491(c) (192.485(c))
References

Question Text *Do records document adequate evaluation of internally corroded pipe?*

Assets Covered Standard Inspection

77. Question Result, ID, NA, TD.ICP.REPAIR.R, 192.485(a) (192.485(b))
References

Question Text *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?*

Assets Covered Standard Inspection

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

TD.ICCG: Internal Corrosion - Corrosive Gas

78. Question Result, ID, NA, TD.ICCG.CORRGAS.R, 192.491(c) (192.475(a))
References

Question Text *Do the records demonstrate that the corrosive effect of the gas in the pipeline has been investigated and if determined to be corrosive, steps be taken to minimize internal corrosion?*

Assets Covered Standard Inspection

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

79. Question Result, ID, NA, TD.ICCG.CORRGASACTION.R, 192.491(c) (192.477)
References

Question Text *Do records document the actions taken when corrosive gas is being transported by pipeline?*

Assets Covered Standard Inspection

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

TQ.PROT9: OQ Protocol 9

80. Question Result, ID, Sat, TQ.PROT9.TASKPERFORMANCE.O, 192.801(a) (192.809(a))
References

Question Text *Verify the qualified individuals performed the observed covered tasks in accordance with the operator's processes or operator approved contractor processes.*

Assets Covered Standard Inspection

Result Notes Jeff Sparks (MEC) Corrosion Specialist performed a rectifier inspection, a pipe-to-soil reading, a soil resistivity test and a pipe & coating inspection assessment.

81. Question Result, ID, Sat, TQ.PROT9.QUALIFICATIONSTATUS.O, 192.801(a) (192.809(a))
References

Question Text *Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks.*

Assets Covered Standard Inspection

82. Question Result, ID, Sat, TQ.PROT9.AOCRECOG.O, 192.801(a) (192.809(a))
References

Question Text *Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed.*

Assets Covered Standard Inspection

83. Question Result, ID, Sat, TQ.PROT9.VERIFYQUAL.O, 192.801(a) (192.809(a))
References

Question Text *Observe in the field (job site, local office, etc.) that the foreman/supervisor/manager has verified the qualification of the individual performing the task, that the qualification records are current, and ensure the personal identification of all individuals performing covered tasks are checked, prior to task performance.*

Assets Covered Standard Inspection

TQ.OQ: Operator Qualification

84. Question Result, ID, Sat, TQ.OQ.RECORDS.R, 192.807
References

Question Text *Do records document the evaluation and qualifications of individuals performing covered tasks, and can the qualification of individuals performing covered tasks be verified?*

Assets Covered Standard Inspection

TQ.TR: Training of Personnel

85. Question Result, ID, Sat, TQ.TR.TRAINING.R, 192.615(b)(2) (192.807(a), 192.807(b))
References

Question Text *Is training for emergency response personnel documented?*

Assets Covered Standard Inspection

Report Parameters: Results: all