Inspection Results (IRR)

Generated on 2020. August. 26 15:52

88982 (1019) (153)

| Ro | A | | (Note | Sub- | st " | Overtion ID | Defende | Question | Chamdand Lasura |
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| W | Assets | ult | 1) | Group | # | Question ID | References | Text | Standard Issues |
| | 88982 (1 019) | NA | | AR.EC | | AR.EC.ECDAREVQUAL.O | 195.505 (195.452(b)(5), 195.452(f)(8), 195.555) | From the observation of selected integrity assessments, are operator and vendor personnel, including supervisors, who conduct assessments or review assessment results, qualified for the tasks they perform? | |
| 2. | 88982 (1 019) | NA | | AR.EC | 2. | AR.EC.ECDAREVQUAL.P | 195.505 (195.452(f)(8), 195.555) | Does the process require that operator/ven dor personnel (including supervisors) who review and evaluate ECDA assessment results meet appropriate training, experience, and qualification criteria? | |
| 3. | 88982 (1 019) | NA | | AR.EC | 3. | AR.EC.ECDAREVQUAL.R | 195.507 (195.452(I)(1), 195.555) | Do the records indicate that operator/ven dor personnel, including supervisors, who conduct ECDA assessments or review and analyze assessment results are qualified for the tasks they perform? | |

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| 4. | 88982 (1 019) | NA | | AR.EC | 4. | AR.EC.ECDAPLAN.P | 195.588(b)(1) (195.588(b)(2) - (5), 195.452(f)(5), 195.452(j)(5)(ii i)) | Is there a process in place for conducting ECDA? | |
| 5. | 88982 (1 019) | NA | | AR.EC | 5. | AR.EC.ECDAPREASSESS.R | 195.589(c) (195.588(b)(2), 195.452(l)(1)(ii), 195.452(j)(5)(ii i), 195.452(f)(5)) | indicate that the ECDA | |
| 6. | 88982 (1 019) | NA | | AR.EC | 6. | AR.EC.ECDAINTEGRATION. P | 195.452(f)(3) (195.452(g), 195.588(b)) | Does the process include integrating ECDA results with other information? | |
| 7. | 88982 (1 019) | NA | | AR.EC | 7. | AR.EC.ECDAINTEGRATION. R | 195.452(I)(1)(ii) (195.452(f)(3), 195.452(g), 195.588(b)) | Do the records indicate that the operator integrated other data/informat ion when evaluating data/results? | |
| 8. | 88982 (1 019) | NA | | AR.EC | 8. | AR.EC.ECDAREGION.R | 195.589(c) (195.588(b)(2) (ii), 195.588(b)(3), 195.588(b)(5)(i i), 195.452(l)(1)(ii), 195.452(f)(5), 195.452(j)(5)(ii i), 195.588(b)(1)) | ECDA Regions? | |
| 9. | 88982 (1 019) | NA | | AR.EC | 9. | AR.EC.ECDAINDIRECT.R | 195.589(c) (195.588(b)(3), 195.452(l)(1)(ii), 195.452(f)(5), 195.452(j)(5)(iii)) | indicate that the ECDA indirect | |
| 10. | 88982 (1 019) | NA | | AR.EC | 10 | AR.EC.ECDADIRECT.R | 195.589(c) (195.588(b)(4), 195.452(l)(1)(ii), 195.452(f)(5), 195.452(j)(5)(ii i)) | indicate that excavations, direct | |

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| | | | | | | | | were performed in accordance with NACE SP0502-2010, Section 5? | |
| 11. | 88982 (1 019) | NA | | AR.EC | 11 | AR.EC.ECDADIRECT.O | 195.588(b)(4) (195.588(b)(1), 195.452(b)(5), 195.452(f)(5),) | Were ECDA direct examinations conducted in accordance with the plan? | |
| 12. | 88982 (1 019) | NA | | AR.EC | 12 | AR.EC.ECDAANALYSIS.R | 195.452(I)(1)(ii) (195.452(g), 195.452(f)(3), 195.452(j)(5)(ii i)) | records indicate that | |
| 13. | 88982 (1 019) | NA | | AR.EC | 13 | AR.EC.ECDAPLANMOC.P | 195.588(b)(4)(i ii) (195.452(f)(4)) | and internal | |
| 14. | 88982 (1 019) | NA | | AR.EC | 14 | AR.EC.ECDAPLANMOC.R | 195.589(c) (195.588(b)(4) (iii), 195.452(l)(1)(ii), 195.452(f)(4)) | Do the records indicate that changes in the ECDA plan have been implemented and documented? | |
| 15. | 88982 (1 019) | NA | | AR.EC | | AR.EC.ECDAPOSTASSESS. R | 195.589(c) (195.588(b)(5), 195.452(l)(1)(ii), 195.452(f)(4)) | | |
| 16. | 88982 (1 019) | NA | | AR.SCC | 10 | AR.SCC.SCCDAALL.O | 195.588(c) (195.505) | From field observations, | |

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| | | | -, | | | | | was SCCDA performed in accordance with the SCCDA plan? | |
| 17. | 88982 (1 019) | Sat | | AR.IA | 1. | AR.IA.METHOD.P | 195.452(f)(5) (195.452(j)(5), 195.452(c)(1)(i)(A), 195.591, 195.588) | Does the process specify assessment methods that are appropriate for the pipeline integrity threats? | |
| 18. | 88982 (1 019) | Sat | | AR.IA | 2. | AR.IA.METHOD.R | 195.452(I)(1)(ii) (195.452(f)(5), 195.452(j)(5), 195.452(c)(1)(i)(A), 195.591, 195.588) | records indicate that the | |
| 19. | 88982 (1 019) | Sat | | AR.IA | 3. | AR.IA.ASSESSSCHEDULE.P | 195.452(f)(5) (195.452(j)(3), 195.452(j)(5), 195.452(e), 195.452(g), 195.591) | Does the process for assessment include a prioritized schedule in accordance with 195.452 (j) that is based on all the risk factors required by 195.452(e)? | |
| 20. | 88982 (1 019) | Sat | | AR.IA | 4. | AR.IA.ASSESSSCHEDULE.R | 195.452(l)(1)(ii) (195.452(b)(5), 195.452(c), 195.452(d), 195.452(f)(5), 195.452(j)(3), 195.452(j)(5), 195.591) | Do the records | |
| 21. | 88982 (1 019) | Sat | | AR.IA | 5. | AR.IA.REVIEWQUAL.P | 195.452(f)(8) (195.452(g), 195.452(h)(2)) | Does the process specify qualification requirements for personnel who review and evaluate integrity assessment | |

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| | | | | | | | | results and information analysis? | |
| 22. | 88982 (1 019) | Sat | | AR.IA | 6. | AR.IA.REVIEWQUAL.R | 195.452(l)(1)(ii) (195.452(f)(8), 195.452(g), 195.452(h)(2)) | Do the records indicate that personnel who review and evaluate integrity assessment results and information analysis are qualified? | |
| 23. | 88982 (1 019) | Sat | | AR.IA | 7. | AR.IA.STANDARDS.P | 195.452(f)(5) (195.452(b)(6)) | Does the process incorporate recognized industry practices, or an acceptable alternative method, in performing integrity assessments? | |
| 24. | 88982 (1 019) | Sat | | AR.IA | 8. | AR.IA.STANDARDS.R | 195.452(I)(1)(ii) (195.452(b)(6)) | Do the records indicate that recognized industry practices, or an acceptable alternative method, have been incorporated in performing integrity assessments? | |
| 25. | 88982 (1 019) | Sat | | AR.IL | 1. | AR.IL.ILIIMPLPERQUAL.P | 195.452(f)(5) (195.591) | Does the process identify the qualification requirements for personnel who perform ILI (In Line Inspections)? | |
| 26. | 88982 (1 019) | Sat | | AR.IL | 2. | AR.IL.ILIIMPLPERQUAL.R | 195.591 (195.452(I)(1)(i i), 195.452(f)(5)) | Do the records indicate that personnel who perform ILI (In Line Inspections) are qualified and certified (where applicable)? | |
| 27. | 88982 (1 019) | Sat | | AR.IL | 3. | AR.IL.ILIREVIEWQUAL.P | 195.452(f)(8) (195.452(g)) | Does the process specify | |

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| | 7,050.0 | | ., | | | Qu ostion 12 | No. Cr. Cr. Cr. | qualification requirements for personnel who review and evaluate ILI integrity assessment results and information analysis? | Standard 195005 |
| 28. | 88982 (1 019) | Sat | | AR.IL | 4. | AR.IL.ILIREVIEWQUAL.R | 195.452(l)(1)(ii) (195.452(f)(8), 195.452(g)) | Do the records indicate that personnel who review and evaluate ILI integrity assessment results and information analysis are qualified? | |
| 29. | 88982 (1 019) | Sat | | AR.IL | 5. | AR.IL.ILISPECS.P | 195.452(f)(5) (195.452(h), 195.452(j), 195.591) | Does the process include adequate ILI requirements for the qualification of in-line inspection systems, including personnel, equipment, processes, and software utilization? | |
| 30. | 88982 (1 019) | Sat | | AR.IL | 7. | AR.IL.ILIVALIDATE.P | 195.452(f)(4) (195.452(j)(5)(i), 195.452(h), 195.591) | Does the process include the validation of ILI results? | |
| 31. | 88982 (1 019) | Sat | | AR.IL | 8. | AR.IL.ILIVALIDATE.R | 195.452(l)(1)(ii) (195.452(j)(5)(i), 195.452(f)(4), 195.452(h), 195.452(c)(1), 195.591) | Do the records for | |
| 32. | 88982 (1 019) | Sat | | AR.IL | 9. | AR.IL.ILIINTEGRATION.P | 195.452(f)(3) (195.452(g), 195.452(h)) | Does the process for evaluating ILI results include integration of all available information about the integrity of the pipeline? | |

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| 33. | 88982 (1 019) | Sat | | AR.IL | 10 | AR.IL.ILIINTEGRATION.R | 195.452(l)(1)(ii) (195.452(g), 195.452(f)(3), 195.452(h)) | Do the records indicate that the operator integrated other data/informat ion when evaluating ILI tool data/results? | |
| 34. | 88982 (1 019) | Sat | | AR.IL | 11 | AR.IL.ILIIMPLEMENT.O | 195.452(b)(5) | Have the ILI procedures been followed? | |
| 35. | 88982 (1 019) | NA | | AR.PTI | 1. | AR.PTI.PRESSTESTACCEP.P | 195.452(f)(5) (195.304, 195.305, 195.306, 195.308, 195.452(j)(5)(ii)) | Does the process define acceptance criteria for a successful pressure test? | |
| 36. | 88982 (1 019) | NA | | AR.PTI | 2. | AR.PTI.PRESSTESTCORR.P | 195.452(f)(3) (195.452(g)(3)) | Does the process require that the effectiveness of the corrosion control program be evaluated when using pressure testing as an integrity assessment? | |
| 37. | 88982 (1 019) | NA | | AR.PTI | 3. | AR.PTI.PRESSTESTRESULT. O | 195.452(b)(5) (195.452(c)(1)(i)(b), 195.452(j)(5)(ii), 195.304) | conducted in | |
| 38. | 88982 (1 019) | NA | | AR.PTI | | AR.PTI.PRESSTESTRESULT. R | (195.452(f)(2), 195.452(f)(5), 195.452(c), 195.452(l)(1)(ii)) | Do the pressure test records indicate compliance with Part 195, Subpart E? | |
| 39. | 88982 (1 019) | NA | | AR.PTI | 5. | AR.PTI.PRESSTESTCORR.R | 195.452(I)(1)(ii) (195.452(f)(3), 195.452(g)(3)) | When pressure testing was used as the integrity assessment method, do the records indicate that the effectiveness of the | |

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| | | | | | | | | corrosion control program was documented? | |
| 40. | 88982 (1 019) | NA | | AR.OT | 1. | AR.OT.OTPLAN.P | 195.452(f)(5) (195.452(c)(1)(i)(D), 195.452(j)(5)(i v)) | are used, | |
| 41. | 88982 (1 019) | NA | | AR.OT | 2. | AR.OT.OTPLAN.R | 195.452(I)(1)(ii) (195.452(j)(5)(iv), 195.452(f)(5), 195.452(c)(1)(i)(D)) | records indicate that the Other Technology | |
| 42. | 88982 (1 019) | NA | | AR.OT | 3. | AR.OT.OTPLAN.O | 195.452(b)(5) | Has the process for the use of "Other Technology" been followed? | |
| | 88982 (1 019) | NA | | AR.OT | | AR.OT.ASSESSMENTREVIE W.P | (195.452(j)(5)) | Does the process specify qualification requirements for personnel who review and evaluate the results of an integrity assessment and information analysis using Other Technology? | |
| 44. | 88982 (1 019) | NA | | AR.OT | 5. | AR.OT.ASSESSMENTREVIE W.R | 195.452(I)(1)(ii) (195.452(f)(8), 195.452(j)(5)) | Do the records pertaining to the selected integrity assessments indicate that personnel who review and evaluate the results of an integrity | |

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| | | | | | | | | assessment and information analysis using Other Technology are qualified? | |
| 45. | 88982 (1 019) | Sat | | AR.RCHC A | 1. | AR.RCHCA.DISCOVERY.P | 195.452(f)(4) (195.452(h)(2)) | Does the integrity assessment process define "discovery of condition" and the required time frame for anomalies in a pipeline segment that can affect an HCA? | |
| 46. | 88982 (1 019) | Sat | | AR.RCHC A | 2. | AR.RCHCA.IMSCHEDULE.P | 195.452(f)(4) (195.452(h)(3), 195.452(h)(4)) | Does the | |
| 47. | 88982 (1 019) | NA | | AR.RCHC A | 3. | AR.RCHCA.DISCOVERY.R | 195.452(l)(1)(ii) (195.452(h)(2), 195.452(f)(4)) | Do the records | |
| 48. | 88982 (1 019) | Sat | | AR.RCHC A | 4. | AR.RCHCA.IMPRC.P | 195.452(f)(4) (195.452(h)(1), 195.452(h)(4)) | | |

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| | | | | | | | | address integrity issues raised by the assessment methods and information analysis? | |
| 49. | 88982 (1 019) | NA | | AR.RCHC A | 5. | AR.RCHCA.REMEDIATION.R |) (195.452(h)(3), | Do records indicate that | |
| 50. | 88982 (1 019) | Sat | | AR.RCHC A | 6. | AR.RCHCA.IMPRC.R | | Do records indicate that prompt action was taken to address all anomalous conditions discovered through the integrity assessment or information | |
| 51. | 88982 (1 019) | NA | | AR.RCHC A | 7. | AR.RCHCA.REMEDIATION. | 195.452(b)(5) (195.402(a), 195.402(c)(14), 195.422(a), 195.569, 195.589(c)) | analysis? From an observation of a remediation or repair at an excavation site, are anomaly remediation activities adequate, performed in accordance with the categorized remediation/r epair schedule, and documented? | |
| 52. | 88982 (1 019) | Sat | | AR.RCHC A | 8. | AR.RCHCA.REMEDIATION.P | 195.452(f)(4) (195.452(h)(1), 195.422(b)) | Does the | |

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| | | | | | | | | by the assessment methods used and information analysis? | |
| 53. | 88982 (1 019) | Sat | | AR.RCHC A | 9. | AR.RCHCA.PRESSREDUCE. P | 195.452(f)(4) (195.428, 195.452(h)(1)(i), 195.452(h)(1)(i i)) | reduction | |
| 54. | 88982 (1 019) | NA | | AR.RCHC A | | AR.RCHCA.PRESSREDUCE. R | 195.452(I)(1)(ii) (195.404(a), 195.404 (b), 195.452(h)(1)(i i), 195.452(h)(4)(i), 195.55(a), 195.56) | integrity assessment records indicate that | |
| 55. | 88982 (1 019) | NA | | AR.RCHC A | | AR.RCHCA.IMSCHEDULE.R | 195.452(l)(1)(ii) (195.452(h)(3), 195.452(h)(4)) | records indicate that | |
| | 88982 (1 019) | Sat | | AR.RCHC A | 12 | AR.RCHCA.CRACKREMEDIA TION.P | 195.452(f)(4) (195.452(h), 195.588(c)) | If the pipeline is susceptible to cracking, does the process include criteria for remedial actions to address integrity issues raised by the assessment method? | |
| 57. | 88982 (1 019) | Sat | | AR.RCHC A | 13 | AR.RCHCA.CRACKREMEDIA TION.R | 195.452(I)(1)(ii) (195.452(f)(4), 195.452(h)(4)(i ii)(G), 195.588(c)) | is susceptible to cracking, | |

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| 58. | 88982 (1 019) | Sat | | AR.RMP | 1. | AR.RMP.SAFETY.P | 195.402(c)(14) (195.422(a), 195.452(h)(1)) | Does the process ensure that repairs are made in a safe manner and are made so as to prevent damage to persons and property? | |
| 59. | 88982 (1 019) | Sat | | AR.RMP | 2. | AR.RMP.SAFETY.O | 195.422(a) (195.402(c)(14), 195.452(h)(1)) | Are repairs made in a safe manner and to prevent injury to persons and/or property damage? | |
| 60. | 88982 (1 019) | Sat | | AR.RMP | 3. | AR.RMP.METHOD.P | 195.402(c)(3) (195.452(h)(1), 195.585) | Does the process identify permissible repair methods for each type of defect? | |
| | 88982 (1 019) | Sat | | AR.RMP | 4. | AR.RMP.METHOD.R | 195.404(c)(1) (195.422(a), 195.422(b), 195.452(h)(1), 195.401(b)(1), 195.401(b)(2)) | 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? | |
| 62. | 88982 (1 019) | NA | | AR.RMP | 5. | AR.RMP.REPAIRQUAL.R | 195.505(b) (195.507(a), 195.505(c), 195.452(h)(1), 195.452(b)(5)) | From the records review of the results of integrity assessment and remediation projects, were personnel performing repairs, other than welding, qualified for | |

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| | | | | | | | | the task they performed? | |
| 63. | 88982 (1 019) | Sat | | AR.RMP | 6. | AR.RMP.PIPECONDITION.R | 195.404(c)(1) (195.404(c)(2), 195.452(l)(1)(ii)) | Do the repair records | |
| 64. | 88982 (1 019) | Sat | | AR.RMP | 7. | AR.RMP.REPLACESTD.R | 195.404(a)(1) (195.422(b),) | Were all replaced line pipe and/or components designed and constructed as required by Part 195? | |
| 65. | 88982 (1 019) | NA | | AR.RMP | 8. | AR.RMP.PIPEMOVE.R | 195.424(a) (195.424(b), 195.424(c)) | From a review of selected records, were pipeline movements performed in accordance with 195.424? | |
| 66. | 88982 (1 019) | Sat | | AR.RMP | 9. | AR.RMP.WELDERQUAL.R | 195.214(a) (195.214(b), 195.222(a), 195.222(b),) | From the review of the results of integrity assessment and remediation projects, were repairs requiring welding performed by qualified welders using qualified welding procedures? | |
| 67. | 88982 (1 019) | Sat | | AR.RMP | 10 | AR.RMP.WELDQUAL.R | 195.226(a) (195.226(b), 195.226(c), 195.230(a), 195.230(b), 195.230(c),) | From the review of the results of integrity assessment and remediation | |

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| | | | | | | | | projects, were defects on new welds repaired in accordance with 195.226 or 195.230? | |
| 68. | 88982 (1 019) | Sat | | AR.RMP | 11 | AR.RMP.WELDINSPECT.R | 195.228(a) (195.228(b), 195.234(a), 195.234(b), 195.234(c), 195.234(d), 195.234(e),) | From the review of the results of remediation projects, were new welds inspected and examined in accordance with 195.228 or 195.234? | |
| 69. | 88982 (1 019) | Sat | | AR.RMP | 12 | AR.RMP.CRACKNDE.P | 195.452(f)(4) (195.452(h)) | Does the process include appropriate NDE method(s) and other information gathering during the evaluation of cracks and cracking? | |
| 70. | 88982 (1 019) | Sat | | AR.RMP | 13 | AR.RMP.CRACKNDE.R | 195.452(I)(1)(ii) (195.452(f)(4), 195.452(h), 195.404(c)) | Do the records indicate that appropriate NDE method(s) were used and other information was gathered related to the evaluation of cracking? | |
| 71. | 88982 (1 019) | Sat | (2) | TDC.IMF ACIL | 1. | IM.FACIL.FACILIDENT.P | 195.452(f)(1) | Does the program include a written process for identification of facilities that could affect an HCA? | |
| 72. | 88982 (1 019) | Sat | (2) | TDC.IMF ACIL | 2. | IM.FACIL.FACILIDENT.R | 195.452(l)(1)(i) (195.452(b)(2), 195.452(d)(3)) | records | |

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| | | | | | | | | maintained up-to-date? | |
| 73. | 88982 (1 019) | Sat | (2) | TDC.IMF ACIL | 3. | IM.FACIL.RELEASE.P | 195.452(f)(1) (195.452(I)(1)(i)) | Does the process include methods to determine the facility locations/sce narios and worst case volume of potential commodity releases? | |
| 74. | 88982 (1 019) | NA | (2) | TDC.IMF ACIL | 4. | IM.FACIL.RELEASE.R | 195.452(I)(1)(ii) | Do the records indicate that identified release locations and spill volumes at facilities are consistent with the program requirements? | |
| 75. | 88982 (1 019) | Sat | (2) | TDC.IMF ACIL | 5. | IM.FACIL.SPREAD.P | 195.452(f)(1) (195.452(l)(1)(i)) | Does the process include an analysis of overland spread & water transport of hazardous liquids to determine the extent of commodity spread from the facility and its effects on HCAs? | |
| 76. | 88982 (1 019) | Sat | (2) | TDC.IMF ACIL | 6. | IM.FACIL.SPREAD.R | 195.452(I)(1)(ii) | | |
| 77. | 88982 (1 019) | Unsa t | (2) | TDC.IMF ACIL | 7. | IM.FACIL.PMMPREVENTIVE. P | 195.452(f)(6) (195.452(i)) | Does the process include requirements | B2: 195.452(f)(6): Process does not require that potential preventive actions that address the most |

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| | | | | | | | | for identification of facility preventive measures to protect the HCAs? | significant facility risks were identified, including consideration of preventive actions listed in 195.452(i) |
| 78. | 88982 (1 019) | Sat | (2) | TDC.IMF ACIL | 8. | IM.FACIL.PMMPREVENTIVE. R |) | Do the records indicate that facility preventive measures to protect the HCAs have been considered and implemented? | |
| 79. | 88982 (1 019) | Unsa t | (2) | TDC.IMF ACIL | 9. | IM.FACIL.PMMMITIGATIVE.P | 195.452(f)(6) (195.452(i)) | Does the process include requirements for identification and implementati on of facility mitigative measures to protect the HCAs? | B2: 195.452(f)(6): Process does not require consideration of the consequences applicable to facilities that may be different for the pipeline consequences |
| 80. | 88982 (1 019) | Sat | (2) | TDC.IMF ACIL | | IM.FACIL.PMMMITIGATIVE. R | 195.452(I)(1)(ii) (195.452(i)(1)) | Do the records indicate that facility mitigative measures to protect the HCAs have been considered and implemented? | |
| 81. | 88982 (1 019) | Sat | (2) | TDC.IMF ACIL | | IM.FACIL.PMMIMPLEMENT. O | 195.452(i)(1) | Does an on- site observation provide indications that facility preventive & mitigative measures to protect the HCAs were implemented as proposed? | |
| 82. | 88982 (1 019) | Sat | | IM.HC | 1. | IM.HC.HCALOCATION.P | 195.452(f)(1) (195.452(a), 195.452(d)(3), 195.452(b)(2)) | Does the process require the identification of HCA- affecting pipe | |

| Ro w | Assets | Res ult | (Note 1) | Sub- Group | Q st # | Question ID | References | Question Text | Standard Issues |
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| | | | | | | | | 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? | |
| 83. | 88982 (1 019) | Sat | | IM.HC | 2. | IM.HC.HCALOCATION.R | 195.452(l)(1)(ii) (195.452(f)(1), 195.452(a), 195.452(b)(2), 195.452(d)(3), 195.452(j)(1)) | Do records indicate that locations and boundaries of HCA-affecting pipe segments are correctly identified and maintained up-to-date? | |
| 84. | 88982 (1 019) | Sat | | IM.HC | 3. | IM.HC.HCALOCATION.O | 195.452(b)(5) (195.452(a), 195.452(b)(2), 195.452(f)(1)) | Are locations and boundaries of pipe segments that can affect HCAs correctly identified and maintained up-to-date in accordance with the program? | |
| 85. | 88982 (1 019) | Sat | | IM.HC | 4. | IM.HC.HCAIDENT.P | 195.452(f)(1) (195.452(a)) | Does the process include all locations where pipeline segments directly intersect a high consequence area? | |
| 86. | 88982 (1 019) | Sat | | IM.HC | 5. | IM.HC.HCAIDENT.R | 195.452(I)(1)(ii) (195.452(f)(1), 195.452(a)) | Do records indicate that all locations where a pipeline segment is located in an HCA are determined and, if any exceptions for segments that directly | |

| Ro | | Res | (Note | Sub- | st | | | Question | |
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| | | | | | | | | intersect an HCA are taken, an adequate technical justification is provided? | |
| 87. | 88982 (1 019) | Sat | | IM.HC | 6. | IM.HC.HCARELEASE.P | 195.452(f)(1) (195.452(a)) | Does the process include methods to determine the locations and volume of potential commodity releases? | |
| 88. | 88982 (1 019) | Sat | | ІМ.НС | 7. | IM.HC.HCARELEASE.R | 195.452(I)(1)(ii) (195.452(f)(1), 195.452(a)) | Do records indicate that identified release locations and spill volumes are consistent with the documented process? | |
| 89. | 88982 (1 019) | Sat | | IM.HC | 8. | IM.HC.HCAOVERLAND.P | 195.452(f)(1) (195.452(a)) | Does the process include an analysis of overland spread of hazardous liquids to determine the extent of commodity spread and its effects on HCAs? | |
| 90. | 88982 (1 019) | Sat | | ІМ.НС | 9. | IM.HC.HCAOVERLAND.R | 195.452(I)(1)(ii) (195.452(f)(1), 195.452(a)) | Do records indicate that the analysis of overland spread is consistent with the documented process? | |
| 91. | 88982 (1 019) | Sat | | IM.HC | 10 | IM.HC.HCAH2OTRANSP.P | 195.452(f)(1) (195.452(a)) | Does the process include the analysis of water transport of hazardous liquids to determine the extent of commodity spread and its effects on HCAs? | |

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| w | Assets | ult | 1) | Group | # | Question ID | References | Text | Standard Issues |
| 92. | 88982 (1 019) | Sat | | ІМ.НС | | IM.HC.HCAH2OTRANSP.R | 195.452(l)(1)(ii) (195.452(f)(1), 195.452(a)) | Do records indicate that water transport analysis is consistent with the documented process? | |
| 93. | 88982 (1 019) | NA | | IM.HC | 12 | IM.HC.HCAAIRDISP.P | 195.452(f)(1) (195.452(a)) | Does the process include the analysis of the dispersion of vapors from the release of highly volatile liquids and volatile liquids to determine effects on HCAs? | |
| 94. | 88982 (1 019) | NA | | IM.HC | 13 | IM.HC.HCAAIRDISP.R | 195.452(I)(1)(ii) (195.452(f)(1), 195.452(a)) | Do the records indicate that the analysis of air dispersion of vapors is consistent with the documented process? | |
| 95. | 88982 (1 019) | Sat | | IM.HC | 14 | IM.HC.HCAINDIRECT.P | 195.452(f)(1) (195.452(a)) | Does the process include all locations of pipeline segments that do not intersect, but could indirectly affect, an HCA (buffer zone)? | |
| 96. | 88982 (1 019) | Sat | | IM.HC | 15 | IM.HC.HCAINDIRECT.R | 195.452(I)(1)(ii) (195.452(f)(1), 195.452(a)) | Do the records indicate that endpoints of pipeline segments that could affect an HCA have been correctly identified where a buffer zone approach is utilized? | |

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| w | Assets | ult | 1) | Group | # | Question ID | References | Text | Standard Issues |
| 97. | 88982 (1 019) | NA | | IM.HC | 16 | IM.HC.HCACAT3.P | 195.452(f)(1) (195.452(b)(2) | Does the process require completion of segment identification for Category 3 pipelines prior to beginning of operation? | |
| 98. | 88982 (1 019) | NA | | IM.HC | | IM.HC.HCACAT3.R | 195.452(I)(1)(ii) (195.452(f)(1), 195.452(b)(2)) | Do records indicate completion of segment identification for Category 3 pipelines prior to beginning of operation? | |
| 99. | 88982 (1 019) | Sat | | IM.RA | 1. | IM.RA.RADATA.O | 195.452(b)(5) (195.452(f)(3)) | Are field conditions on the pipeline segments accurately reflected in the appropriate risk assessment data and information? | |
| | 88982 (1 019) | Sat | | IM.RA | 2. | IM.RA.RADATA.P | 195.452(f)(3) (195.452(g), 195.452(j)) | Does the process include an analysis and integration of all available information about the integrity of the entire pipeline and the consequences of a failure? | |
| 10 | 88982 (1 019) | Sat | | IM.RA | 3. | IM.RA.RADATA.R | 195.452(l)(1)(ii) (195.452(f)(3), 195.452(g), 195.452(j)) | | |
| | 88982 (1 019) | Sat | | IM.RA | 4. | IM.RA.RAMETHOD.P | 195.452(f)(3) (195.452(g), 195.452(j)) | Does the process include methodology for evaluating risk to HCAs and the integration of all relevant | |

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| w | Assets | ult | 1) | Group | # | Question ID | References | Text | Standard Issues |
| | | | | | | | | risk factors and all available information when evaluating pipeline segments? | |
| | 88982 (1 019) | Sat | | IM.RA | 5. | IM.RA.RARESULTS.R | 195.452(I)(1)(ii) (195.452(f)(3), 195.452(g), 195.452(j)) | | |
| | 88982 (1 019) | Sat | | IM.RA | 6. | IM.RA.RASEGMENT.P | 195.452(f)(3) (195.452(g), 195.452(j)) | Does the risk analysis process consider and incorporate the variation in risk factors along the pipeline such that segment-specific risk results and insights are obtained? | |
| | 88982 (1 019) | Sat | | IM.RA | 7. | IM.RA.RAMETHOD.R | 195.452(I)(1)(ii) (195.452(f)(3), 195.452(g), 195.452(e)) | Do the records indicate the evaluation of the methodology(ies) used for evaluating risks to HCAs and the integration of all relevant risk factors and all available information when evaluating pipeline segments? | |
| | 88982 (1 019) | Sat | | IM.CA | 1. | IM.CA.ASSESSINTERVAL.P | 195.452(f)(5) (195.452(e), 195.452(g), 195.452(j)(3)) | Does the process include all of the risk factors that reflect the conditions on the pipe segment to | |

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| | Assets | | ., | Стоир | | question | References | establish an assessment interval? | otaniaara rasaes |
| | 88982 (1 019) | Sat | | IM.CA | 2. | IM.CA.ASSESSINTERVAL.R | 195.452(I)(1)(ii) (195.452(f)(5), 195.452(e), 195.452(j)(1), 195.452(j)(3), 195.452(g)) | Do the records indicate that the assessment intervals are consistent with the risks identified for the pipe segment and the results of previous assessments? | |
| | 88982 (1 019) | Sat | | IM.CA | 3. | IM.CA.ASSESSMETHOD.P | 195.452(f)(5) (195.452(j)(5), 195.452(g), 195.452(c)(1)(i)(A), 195.591) | Does the process specify assessment methods that are appropriate for the specific integrity threats to the pipe segment? | |
| | 88982 (1 019) | Sat | | IM.CA | 4. | IM.CA.ASSESSMETHOD.R | 195.452(I)(1)(ii) (195.452(f)(5), 195.452(j)(5), 195.452(g), 195.452(c)(1)(i)(A), 195.591) | records indicate that selected assessment | |
| | 88982 (1 019) | Sat | | IM.CA | 5. | IM.CA.ASSESSNOTIFY.P | 195.452(f)(5) (195.452(j)(4), 195.452(m)) | Does the process include methodology for submitting variance notifications to PHMSA for integrity assessment intervals longer than the 5-year maximum assessment interval? | |
| | 88982 (1 019) | NA | | IM.CA | 6. | IM.CA.ASSESSNOTIFY.R | 195.452(l)(1)(ii) (195.452(f)(5), 195.452(m), 195.452(j)(4)) | Do the records indicate that variance notifications | |

| Ro | | Res | (Note | Sub- | Q st | | | Question | |
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| w | Assets | ult | 1) | Group | # | Question ID | References | Text | Standard Issues |
| | | | | | | | | been submitted to PHMSA for integrity assessment intervals longer than the 5-year maximum assessment interval? | |
| | 88982 (1 019) | Sat | | IM.CA | 7. | IM.CA.PERIODICEVAL.P | 195.452(f)(5) (195.452(e), 195.452(j)(1), 195.452(j)(2), 195.452(g), 195.452(a)) | Does the process include requirements for performing continual evaluations of pipeline integrity? | |
| | 88982 (1 019) | Sat | | IM.CA | 8. | IM.CA.PERIODICEVAL.R | 195.452(I)(1)(ii) (195.452(f)(5), 195.452(e), 195.452(j)(1), 195.452(j)(2), 195.452(g), 195.452(a)) | | |
| | 88982 (1 019) | Sat | | IM.PM | 1. | IM.PM.PMMMEASURES.P | 195.452(f)(6) (195.452(i)(1), 195.452(i)(2), 195 Appendix C, Section III, API Standard 1160) | Does the Integrity Management Program include a process for the identification and evaluation of preventive & mitigative measures (P&M measures), resulting from the risk analysis, to prevent and mitigate the consequences of a pipeline failure that could affect a high consequence area (HCA)? | |
| | 88982 (1 019) | Sat | | IM.PM | 2. | IM.PM.PMMMEASURES.R | 195.452(l)(1)(ii) (195.452(f)(6), 195.452(i)(1), 195.452(i)(2), | | |

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| w | Assets | ult | 1) | Group | # | Question ID | References | Text | Standard Issues |
| | | | | | | | 195 Appendix C, Section VI, API Standard 1160) | and evaluation for Preventive & Mitigative Measures (P&M Measures) has been applied in accordance with the documented process? | |
| | 88982 (1 019) | NA | | IM.PM | 3. | IM.PM.PMMIMPLEMENT.O | 195.452(b)(5) (195.452(i)(1), 195.452(i)(2), 195.452(i)(3), 195.452(i)(4)) | Have preventive and mitigative actions been implemented as described in the records? | |
| | 88982 (1 019) | Sat | | IM.PM | 4. | IM.PM.PMMMITIGATIVE.R | 195.452(I)(1)(ii) (195.452(f)(6), 195.452(i)(1), 195.452(i)(2)) | Do the records indicate that mitigative actions have been considered and implemented? | |
| | 88982 (1 019) | Sat | | IM.PM | 5. | IM.PM.PMMPREVENTIVE.R | 195.452(I)(1)(ii) (195.452(f)(6), 195.452(i)(1), 195.452(i)(2)) | Do the records indicate that preventive actions have been considered and implemented? | |
| 9. | 88982 (1 019) | Sat | | IM.PM | | IM.PM.PMMRISKANALYSIS. | 195.452(f)(6) (195.452(i)(1), 195.452(i)(2), 195 Appendix C, Section II, API Standard 1160) | Does the Integrity Management Program include conducting a risk analysis of the pipeline segment(s) to identify additional preventive & mitigative actions to enhance public safety or environmenta I protection? | |
| | 88982 (1 019) | Sat | | IM.PM | 7. | IM.PM.PMMRISKANALYSIS. R | 195.452(I)(1)(ii) (195.452(f)(6), | Do records demonstrate that an | |
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| W | Assets | ult | 1) | Group | # | Question ID | References | Text | Standard Issues |
| | | | | | | | 195.452(i)(1), 195.452(i)(2), 195 Appendix C, Section VI, API Standard 1160) | adequate risk analysis of the pipeline segment(s) to identify additional preventive & mitigative actions to enhance public safety or environmenta I protection was performed? | |
| 1. | 88982 (1 019) | Sat | | IM.PM | | IM.PM.IMLEAKDETEVAL.P | 195.452(f)(6) (195.452(i)(3), 195 Appendix C, Section III, API Standard 1160) | Does the Integrity Management Program include a process for the evaluation of leak detection capabilities and modifying, as necessary, to protect the high consequence areas? | |
| | 88982 (1 019) | Sat | | IM.PM | 9. | IM.PM.IMLEAKDETEVAL.R | 195.452(I)(1)(ii) (195.452(f)(6), 195.452(i)(3), 195 Appendix C, Section VI, API Standard 1160) | Do records indicate that all required and other relevant leak detection evaluation factors have been evaluated to ensure the protection of HCAs? | |
| | 88982 (1 019) | Sat | | IM.PM | 10 | IM.PM.PMMEFRD.P | 195.452(f)(6) (195.452(i)(4), 195.452(i)(1), 195.452(i)(2), API Standard 1160) | Does the Integrity Management Program include a preventive & mitigative (P&M) measures process that specifically addresses the identification, evaluation, and application of EFRDs to protect high consequence | |

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|----|------------------|-----------|-------|----------|----|-----------------------|---|--|--|
| W | Assets | ult | 1) | Group | # | Question ID | References | Text | Standard Issues |
| | | | | | | | | areas in the event of a hazardous liquid pipeline release? | |
| | 88982 (1 019) | Sat | | IM.PM | | IM.PM.PMMEFRD.R | 195.452(I)(1)(ii) (195.452(f)(6), 195.452(i)(4), 195 Appendix C, Section VI, API Standard 1160) | Do the records demonstrate that all required and other relevant EFRD evaluation factors were evaluated and any actions that have been taken are appropriate? | |
| | 88982 (1 019) | Sat | (2) | IM.FACIL | 1. | IM.FACIL.FACILIDENT.P | 195.452(f)(1) | Does the program include a written process for identification of facilities that could affect an HCA? | |
| | 88982 (1 019) | Sat | (2) | IM.FACIL | 2. | IM.FACIL.FACILIDENT.R | 195.452(l)(1)(i) (195.452(b)(2), 195.452(d)(3)) | | |
| | 88982 (1 019) | Unsa t | | IM.FACIL | 3. | IM.FACIL.RISKANAL.P | 195.452(f)(3) (195.452(g), 195.452(j)) | Does the process include approaches to identify and evaluate the risks of facilities that can affect HCAs? | B2 (Moderate or small impact/limited occurrence) : 195.452(f)(3) : No process. |
| | 88982 (1 019) | Unsa t | | IM.FACIL | 4. | IM.FACIL.RISKANAL.R | 195.452(l)(1)(ii) (195.452(f)(3), 195.452(g), 195.452(j)) | records indicate that | B2 (Moderate or small impact/limited occurrence): 195.452(I)(1)(ii): Records do not demonstrate that facility risk analysis was adequately completed |
| | 88982 (1 019) | Sat | (2) | IM.FACIL | 5. | IM.FACIL.RELEASE.P | 195.452(f)(1) (195.452(l)(1)(i)) | Does the process include | |

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|----|------------------|-----|-------|----------|----|--------------------|---|---|-----------------|
| W | Assets | ult | 1) | Group | # | Question ID | References | Text | Standard Issues |
| | | | | | | | | methods to determine the facility locations/sce narios and worst case volume of potential commodity releases? | |
| | 88982 (1 019) | NA | (2) | IM.FACIL | 6. | IM.FACIL.RELEASE.R | 195.452(I)(1)(ii) | Do the records indicate that identified release locations and spill volumes at facilities are consistent with the program requirements? | |
| | 88982 (1 019) | Sat | (2) | IM.FACIL | 7. | IM.FACIL.SPREAD.P | 195.452(f)(1) (195.452(l)(1)(i))) | Does the process include an analysis of overland spread & water transport of hazardous liquids to determine the extent of commodity spread from the facility and its effects on HCAs? | |
| | 88982 (1 019) | Sat | (2) | IM.FACIL | 8. | IM.FACIL.SPREAD.R | 195.452(I)(1)(ii) | Do the records indicate the analysis of overland spread & water transport is consistent with the program/process requirements? | |
| | 88982 (1 019) | NA | | IM.FACIL | 9. | IM.FACIL.AIRDISP.P | 195.452(f)(1) (195.452(l)(1)(i)) | Where the | |

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| W | Assets | ult | 1) | Group | # | Question ID | References | Text | Standard Issues |
| | | | | | | | | dispersion of vapors released from the facility to determine effects on HCAs? | |
| | 88982 (1 019) | NA | | IM.FACIL | 10 | IM.FACIL.AIRDISP.R | 195.452(I)(1)(ii) | Where the facility handles HVLs or Volatile Liquids, do the records indicate that the analysis of air dispersion of vapors from the facility is consistent with the process requirements? | |
| | 88982 (1 019) | Unsa t | | IM.FACIL | 11 | IM.FACIL.PERIODEVAL.P | 195.452(f)(5) (195.452(g), 195.452(j)(1), 195.452(j)(2)) | Does the process include requirements for performing continual evaluations of facility integrity? | B2: 195.452(f)(5): The process did not include a continual evaluation process for facilities |
| | 88982 (1 019) | Sat | | IM.FACIL | 12 | IM.FACIL.PERIODEVAL.R | 195.452(I)(1)(ii) (195.452(j)(2)) | records | |
| | 88982 (1 019) | Unsa t | (2) | IM.FACIL | | IM.FACIL.PMMPREVENTIVE. P | 195.452(f)(6) (195.452(i)) | Does the process include | B2: 195.452(f)(6): Process does not require that potential preventive actions that address the most significant facility risks were identified, including consideration of preventive actions listed in 195.452(i) |
| | 88982 (1 019) | Sat | (2) | IM.FACIL | | IM.FACIL.PMMPREVENTIVE. R | 195.452(I)(1)(ii) (195.452(i)(1)) | records | |

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| w | Assets | ult | `1) | Group | # | Question ID | References | Text | Standard Issues |
| | | | | | | | | considered and implemented ? | |
| 9. | 88982 (1 019) | Unsa t | | IM.FACIL | | IM.FACIL.PMMMITIGATIVE. P | (195.452(i)) | Does the process include requirements for identification and implementati on of facility mitigative measures to protect the HCAs? | B2: 195.452(f)(6): Process does not require consideration of the consequences applicable to facilities that may be different for the pipeline consequences |
| | 88982 (1 019) | Sat | (2) | IM.FACIL | | IM.FACIL.PMMMITIGATIVE.R |) | Do the records indicate that facility mitigative measures to protect the HCAs have been considered and implemented? | |
| | 88982 (1 019) | Sat | (2) | IM.FACIL | 17 | IM.FACIL.PMMIMPLEMENT. O | 195.452(i)(1) | Does an on- site observation provide indications that facility preventive & mitigative measures to protect the HCAs were implemented as proposed? | |
| | 88982 (1 019) | Sat | | IM.QA | 1. | IM.QA.IMPERFEFECTIVE.P | 195.452(f)(7) (195.452(k)) | Does the process for evaluating IM program effectiveness include the elements necessary to conduct a meaningful evaluation? | |
| | 88982 (1 019) | Unsa t | | IM.QA | 2. | IM.QA.IMPERFEFECTIVE.R | 195.452(I)(1)(ii) (195.452(f)(7), 195.452(k)) | Do the records indicate the methods to measure program effectiveness provide effective evaluation of program | B2 (Moderate or small impact/limited occurrence): 195.452(I)(1)(ii): Records did not demonstrate that periodic self-assessments, internal and/or external audits, management reviews, or other evaluations to measure program effectiveness were performed |

| Ro w | Assets | Res ult | (Note 1) | Sub- Group | Q st # | Question ID | References | Question Text | Standard Issues |
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| | | | | | | | | performance and result in program improvement s where necessary? | |
| | 88982 (1 019) | Sat | | IM.QA | 3. | IM.QA.RECORDS.P | 195.402(c)(3) (195.452(l)(1)) | Does the process ensure that the records required for the integrity management program are maintained? | |
| | 88982 (1 019) | Sat | | IM.QA | 4. | IM.QA.IMPERFMETRIC.P | 195.452(f)(7) (195.452(k)) | Does the process to evaluate IM program effectiveness include an adequate set of performance metrics to provide meaningful insight into IM program performance? | |
| | 88982 (1 019) | Sat | | IM.QA | 5. | IM.QA.IMPERFMETRIC.R | 195.452(I)(1)(ii) (195.452(f)(7), 195.452(k)) | Do the records indicate that performance metrics are providing meaningful insight into integrity management program performance? | |
| | 88982 (1 019) | Sat | | IM.QA | 6. | IM.QA.RECORDS.R | 195.452(I)(1)(ii) | Do the records indicate that the operator documented decisions, analysis, and actions taken to implement and evaluate each key integrity management program activity? | |
| | 88982 (1 019) | NA | | MO.LS | 4. | MO.LS.ECONBURDEN.P | 195.12(d) (195.12(b), 195.452(m)) | Where applicable, does the process include reporting of 195.12(d) 倜economic | |

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| w | Assets | ult | 1) | Group | # | Question ID | References | Text | Standard Issues |
| | | | | | | | | compliance burdenâ€□ in accordance with 195.452(m)? | |
| | 88982 (1 019) | NA | | MO.LS | 5. | MO.LS.ECONBURDEN.R | 195.12(f)(2) (195.12(b), 195.12(m)) | Where applicable, do the records indicate reporting of 195.12(d) 倜economic compliance burdenå€□ in accordance with 195.452(m)? | |
| | 88982 (1 019) | Sat | | RPT.NR | 3. | RPT.NR.NOTIFYIMP.P | 195.452(f)(5) (195.452(j)(4), 195.452(h)(1), 195.452(m)) | Does the process include a requirement for submitting an IMP notification for each of the following circumstance s: A) Unable to Meet Remediation Deadlines, B) Pressure Reductions, C) Use of Other Technology, D) Variance from Five-Year Assessment Intervals (Unavailable Technology), E) Variance from Five-Year Assessment Intervals (Engineering Basis)? | |
| | 88982 (1 019) | NA | | RPT.NR | 4. | RPT.NR.NOTIFYIMP.R | 195.452(l)(1)(ii) (195.452(m), 195.452(j)(4), 195.452(h)(1), 195.452(c)(1)) | | |

| Ro w | Assets | Res ult | (Note 1) | Sub- Group | o st # | Question ID | References | Question Text | Standard Issues |
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| | | | | | | | | Unable to Meet Remediation Deadlines, B) Pressure Reductions, C) Use of Other Technology, D) Variance from Five- Year Assessment Intervals (Unavailable Technology), E) Variance from Five- Year Assessment Intervals (Engineering Basis)? | |
| | 88982 (1 019) | Sat | | RPT.RR | 2. | RPT.RR.ANNUALREPORTIMI NSPECT.R | 195.49 | Do the records indicate that the Annual Report Part F Data is complete and accurate? | |
| | 88982 (1 019) | Sat | | RPT.RR | | RPT.RR.ANNUALREPORTIM ASSESS.R | 195.49 | Is Annual Report Part G data complete and accurate? | |

1. Result is repeated (N) times in this report due to re-presentation of the question in multiple sub-groups.

Report Parameters: All non-empty Results

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