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## UGI O&M – O&amp;MAssessment and Repair - Integrity Assessment Via Pressure Test

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Test Acceptance Criteria and Procedures Were test acceptance criteria and processes sufficient to assure the basis for an acceptable pressure test? (AR.PTI.PRESSTESTACCEP.P) | | | | | | | | | 192.503(a) (192.503(b); 192.503(c); 192.503(d); 192.505(a); 192.505(b); 192.505(c); 192.505(d); 192.507(a); 192.507(b); 192.507(c); 192.513(a); 192.513(b); 192.513(c); 192.513(d); 192.921(a)(2)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Pressure Test Results Do the test records validate the pressure test? (AR.PTI.PRESSTESTRESULT.R) | | | | | | | | | 192.517(a) (192.505(a); 192.505(b); 192.505(c); 192.505(d); 192.507(a); 192.507(b); 192.507(c); 192.513(a); 192.513(b); 192.513(c); 192.513(d); 192.517(b); 192.617; 192.619(a); 192.919(e); 192.921(a)(2)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Assessment and Repair - Repair Methods and Practices

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Safety While Making Repairs 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) | | | | | | | | | 192.605(b)(9) (192.713(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Prevention of Accidental Ignition Is there a process for preventing accidental ignition where gas presents a hazard of fire or explosion? (AR.RMP.IGNITION.P) | | | | | | | | | 192.605(b)(1) (192.751(a); 192.751(b); 192.751(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Prevention of Accidental Ignition Perform observations of selected locations to verify that adequate steps have been taken by the operator to minimize the potential for accidental ignition. (AR.RMP.IGNITION.O) | | | | | | | | | 192.751(a) (192.751(b); 192.751(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Tapping Pipelines Under Pressure Is the process adequate for tapping pipelines under pressure? (AR.RMP.HOTTAP.P) | | | | | | | | | 192.605(b)(1) (192.627) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 9. Transmission Lines General Requirements for Repair Procedures Does the repair process capture the requirements of 192.711 for transmission lines? (AR.RMP.REPAIRREQT.P) | | | | | | | | | 192.605(b)(1) (192.711(a); 192.711(b); 192.711(c); 192.717(b)(3)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 10. Transmission Lines Permanent Field Repair of Defects Is the process adequate for the permanent field repair of defects in transmission lines? (AR.RMP.FIELDREPAIRDEFECT.P) | | | | | | | | | 192.605(b)(1) (192.713(a); 192.713(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 13. Transmission Lines Permanent Field Repair of Welds Is the process adequate for the permanent field repair of welds? (AR.RMP.FIELDREPAIRWELDS.P) | | | | | | | | | 192.605(b) (192.715(a); 192.715(b); 192.715(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 20. Transmission Lines Permanent Field Repair of Leaks Is there an adequate process for the permanent field repair of leaks on transmission lines? (AR.RMP.FIELDREPAIRLEAK.P) | | | | | | | | | 192.605(b) (192.717(a); 192.717(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 23. Transmission Lines Testing of Repairs Is the process adequate for the testing of replacement pipe and repairs made by welding on transmission lines? (AR.RMP.WELDTEST.P) | | | | | | | | | 192.605(b) (192.719(a); 192.719(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 25. Transmission Lines Testing of Repairs Does the operator properly test replacement pipe and repairs made by welding on transmission lines? (AR.RMP.WELDTEST.O) | | | | | | | | | 192.719(a) (192.719(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Compressor Station Construction

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Compressor Stations - Storage of Combustible Materials Does the process require that flammable/combustible materials are stored as required, and aboveground oil or gasoline storage tanks, are installed at compressor stations according to 192.735(b)? (FS.CS.CMPCOMBUSTIBLE.P) | | | | | | | | | 192.303 (192.735(a); 192.735(b); NFPA 30)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Compressor Stations - Storage of Combustible Materials Do field observations demonstrate that flammable/combustible materials are safely stored as required, and aboveground oil or gasoline storage tanks are installed at compressor stations according to §192.735(b)? (FS.CS.CMPCOMBUSTIBLE.O) | | | | | | | | | 192.735(a) (192.735(b); NFPA 30)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Construction

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Joining of Materials Other than by Welding Does the process require that pipeline joints (to be made other than by welding) be designed and installed in accordance with 192.273? (DC.CO.NONWELDJOINT.P) | | | | | | | | | 192.303 (192.273(a); 192.273(b); 192.273(c))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 30. Underground Clearance Do records indicate that transmission lines or mains are installed with clearances specified in 192.325, and (if plastic) installed as to prevent heat damage to the pipe? (DC.CO.CLEARANCE.R) | | | | | | | | | 192.325(a) (192.325(b); 192.325(c); 192.325(d))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 33. Depth of Cover - Onshore Is onshore piping minimum cover provided as specified in 192.327? (DC.CO.COVERONSHORE.R) | | | | | | | | | 192.327(a) (192.327(b); 192.327(c); 192.327(d); 192.327(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Construction Weld Inspection

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Inspection and Test of Welds Does the operator have comprehensive written specifications or procedures for the inspection and testing of welds that meet the requirements of 192.241? (DC.WELDINSP.WELDVISUALQUAL.P) | | | | | | | | | 192.241 (192.225; 192.227; 192.229; 192.231; 192.233; 192.243; 192.245) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Inspection and Test of Welds Does the operator have records showing that the welding was visually and/or non-destructively tested according to the requirements of 192.241 and the operator’s specifications or procedures? (DC.WELDINSP.WELDVISUALQUAL.R) | | | | | | | | | 192.241 (192.225; 192.227; 192.229; 192.231; 192.233; 192.243; 192.245) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Nondestructive Test and Interpretation Procedures Is there a process for nondestructive testing and interpretation in accordance with 192.243? (DC.WELDINSP.WELDNDT.P) | | | | | | | | | 192.243 | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Nondestructive Test and Interpretation Procedures Do records indicate that NDT and interpretation are in accordance with 192.243? (DC.WELDINSP.WELDNDT.R) | | | | | | | | | 192.243 | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Repair or Removal of Weld Defects Does the process require welds that are unacceptable to be removed and/or repaired as specified by 192.245? (DC.WELDINSP.WELDREPAIR.P) | | | | | | | | | 192.245 (192.303) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Construction Welding Procedures

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Welding Procedures Does the operator have written specifications requiring qualified welding procedures in accordance with 192.225? (DC.WELDPROCEDURE.WELD.P) | | | | | | | | | 192.225 | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Welding Procedures Does the operator have detailed records showing proper qualification of the welding procedures in accordance with 192.225? (DC.WELDPROCEDURE.WELD.R) | | | | | | | | | 192.225 | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Welding Weather Does the operator have written specifications that require the welding operation to be protected from weather conditions that would impair the quality of the completed weld? (DC.WELDPROCEDURE.WELDWEATHER.P) | | | | | | | | | 192.231 (192.225; 192.227) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 10. Miter Joints Does the operator have written specifications or procedures that prohibit the use of certain miter joints as required by 192.233? (DC.WELDPROCEDURE.MITERJOINT.P) | | | | | | | | | 192.233 | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 13. Preparation for Welding Does the operator have comprehensive written specifications or procedures that require preparations for welding in accordance with 192.235? (DC.WELDPROCEDURE.WELDPREP.P) | | | | | | | | | 192.235 | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Design of Compressor Stations

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Compressor Stations Liquid Removal Do field observations confirm that compressors are protected from liquids and, as applicable, liquid separators for compressors installed in accordance with 192.165? (DC.DPCCMP.CMPLIQPROT.O) | | | | | | | | | 192.165 (192.143) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Design of Pipe - Overpressure Protection

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 10. Launcher and Receiver Safety Do the procedures require all launchers and receivers to have adequate safety devices in accordance with 192.750 and to ensure the safety devices are working properly just prior to each use? (MO.GM.TRAPSAFETY.P) | | | | | | | | | 192.750 (192.605(b); 192.801; 192.805)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 11. Launcher and Receiver Safety Does the operator have records to demonstrate whether all launchers and receivers have safety devices that were utilized prior to each use? (MO.GM.TRAPSAFETY.R) | | | | | | | | | 192.750 (192.605(b); 192.801; 192.805)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 12. Launcher and Receiver Safety Do field observations confirm selected launchers and receivers have safety devices installed and whether the safety devices were inspected prior to each use? (MO.GM.TRAPSAFETY.O) | | | | | | | | | 192.750 (192.605(b); 192.801; 192.805)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Design of Pipe Components

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 32. Transmission Line Valve Spacing Are transmission line valves being installed as required by §192.179? (DC.DPC.VALVESPACE.O) | | | | | | | | | 192.141 (192.179(a); 192.179(b); 192.179(c); 192.179(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 50. Internal Corrosion Control: Design and Construction (192.476) Does the process require that the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of 192.476? (DC.DPC.INTCORRODE.P) | | | | | | | | | 192.453 (192.476(a); 192.476(b); 192.476(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 51. Internal Corrosion Control: Design and Construction (192.476) Do records demonstrate the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of 192.476? (DC.DPC.INTCORRODE.R) | | | | | | | | | 192.476(d) (192.476(b); 192.476(c); 192.476(a)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 52. Internal Corrosion Control: Design and Construction (192.476) Does the transmission project's design and construction comply with 192.476? (DC.DPC.INTCORRODE.O) | | | | | | | | | 192.476(a) (192.476(b); 192.476(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Maintenance and Operations

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Start-Stop Procedures During startup or shut-in, is it assured that the pressure limitations on the pipeline were not exceeded? (DC.MO.MAOPLIMIT.O) | | | | | | | | | 192.605(b)(5) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 16. Plastic Pipe - Storage and Handling of Pipe and Components Does the operator have a written procedure for the storage and handling of plastic pipe and associated components? (DC.PLASTIC.PLASTICHANDLING.P) | | | | | | | | | 192.69 (192.59; 192.63(e); 192.321(g); )  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 17. Plastic Pipe - Storage and Handling of Pipe and Components Do records indicate that the storage and handling of plastic pipe and associated plastic components were in accordance with noted procedures and applicable standards? (DC.PLASTIC.PLASTICHANDLING.R) | | | | | | | | | 192.69 (192.59; 192.63(e); 192.321(g); )  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 18. Plastic Pipe - Storage and Handling of Pipe and Components Do field observations confirm plastic materials are stored and handled to ensure compliance with operator procedures? (DC.PLASTIC.PLASTICHANDLING.O) | | | | | | | | | 192.69 (192.59; 192.63(e); 192.65; 192.67)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Materials

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Marking of Materials Does the operator have specifications requiring pipe, valves, and fittings to be marked according to the requirements of §192.63? (DC.MA.MARKING.P) | | | | | | | | | 192.63  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Plastic Pipe Construction

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. Marking of Materials Does the operator have specifications requiring pipe, valves, and fittings to be marked according to the requirements of §192.63? (DC.MA.MARKING.P) | | | | | | | | | 192.63  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 9. Joining of Materials Other than by Welding Does the process require that pipeline joints (to be made other than by welding) be designed and installed in accordance with 192.273? (DC.CO.NONWELDJOINT.P) | | | | | | | | | 192.303 (192.273(a); 192.273(b); 192.273(c))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 10. Plastic Pipe Joints Does the process require plastic pipe joints to be designed and installed in accordance with 192.281? (DC.PLASTIC.PLASTICJOINT.P) | | | | | | | | | 192.303 (192.281(a); 192.281(b); 192.281(c); 192.281(d); 192.281(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 13. Plastic Pipe - Qualifying Joining Procedures Does the process require plastic pipe joining procedures to be qualified in accordance with 192.283, prior to making plastic pipe joints? (DC.PLASTIC.PLASTICJOINTPROCEDURE.P) | | | | | | | | | 192.283(a) (192.283(b); 192.283(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 14. Plastic Pipe - Qualifying Joining Procedures Do records indicate plastic pipe joining procedures have been qualified in accordance with 192.283, prior to making plastic pipe joints? (DC.PLASTIC.PLASTICJOINTPROCEDURE.R) | | | | | | | | | 192.273(b) (192.283(a); 192.283(b); 192.283(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 15. Plastic Pipe - Qualifying Personnel to Make Joints Is a process in place to ensure that personnel making joints in plastic pipelines are qualified? (DC.PLASTIC.PLASTICJOINTQUAL.P) | | | | | | | | | 192.285(d) (192.285(a); 192.285(b); 192.285(c); 192.285(e); 192.805) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 18. Qualification of Personnel Inspecting Joints in Plastic Pipelines Is a process in place to assure that persons who inspect joints in plastic pipes are qualified? (DC.PLASTIC.PLASTICJOINTINSP.P) | | | | | | | | | 192.287 (192.805(h)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 25. Underground Clearance Do records indicate that transmission lines or mains are installed with clearances specified in 192.325, and (if plastic) installed as to prevent heat damage to the pipe? (DC.CO.CLEARANCE.R) | | | | | | | | | 192.325(a) (192.325(b); 192.325(c); 192.325(d))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 27. Trenchless Installation of Plastic Transmission and Main Pipelines For plastic pipe Transmission and Main pipelines installed by trenchless excavation, does the process include steps that need to be taken to provide sufficient clearance for installation and maintenance activities from other underground utilities and/or structures at the time of installation? (DC.PLASTIC.PLASTICTRENCHLESS.P) | | | | | | | | | 192.329(a) (192.303; ) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 28. Trenchless Installation of Plastic Transmission and Main Pipelines For plastic pipe Transmission and Main pipelines installed by trenchless excavation, do field observations confirm lines are being installed with sufficient clearance for installation and maintenance activities from other underground utilities and/or structures? (DC.PLASTIC.PLASTICTRENCHLESS.O) | | | | | | | | | 192.329(a) (192.303; ) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 29. Trenchless Installation of Plastic Lines using a Weak Link Does the process require that during installation of plastic lines, a “weak link” (as defined by §192.3) is utilized to ensure the pipeline will not be damaged by any excessive forces during the pulling process? (DC.PLASTIC.PLASTICWEAKLINK.P) | | | | | | | | | 192.329(b) (192.376(b); 192.303) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 30. Trenchless Installation of Plastic Lines using a Weak Link Do field observations confirm plastic lines are being installed using a “weak link” (as defined by §192.3) to ensure the pipeline will not be damaged by any excessive forces during the pulling process? (DC.PLASTIC.PLASTICWEAKLINK.O) | | | | | | | | | 192.329(b) (192.376(b); 192.303) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 31. Plastic Pipe - Bend Radius Does the operator’s process ensure that the bend radius of plastic pipe does not exceed the minimum bend radius specified by the manufacture for the diameter being installed? (DC.PLASTIC.BENDPLASTIC.P) | | | | | | | | | 192.313(d) (192.605) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 32. Plastic Pipe - Bend Radius Do field observations confirm that the correct plastic pipe bend radius is being used in the field during construction? (DC.PLASTIC.BENDPLASTIC.O) | | | | | | | | | 192.313(d) (192.605; 192.603) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 39. Plastic Pipe - Storage and Handling of Pipe and Components Does the operator have a written procedure for the storage and handling of plastic pipe and associated components? (DC.PLASTIC.PLASTICHANDLING.P) | | | | | | | | | 192.69 (192.59; 192.63(e); 192.321(g); )  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 40. Plastic Pipe - Storage and Handling of Pipe and Components Do records indicate that the storage and handling of plastic pipe and associated plastic components were in accordance with noted procedures and applicable standards? (DC.PLASTIC.PLASTICHANDLING.R) | | | | | | | | | 192.69 (192.59; 192.63(e); 192.321(g); )  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 41. Plastic Pipe - Storage and Handling of Pipe and Components Do field observations confirm plastic materials are stored and handled to ensure compliance with operator procedures? (DC.PLASTIC.PLASTICHANDLING.O) | | | | | | | | | 192.69 (192.59; 192.63(e); 192.65; 192.67)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 42. Maintenance of Equipment Used in Joining Plastic Pipe Does the process require maintaining equipment used in joining plastic pipe in accordance with the manufacturer's recommended practices or with written procedures that have been proven by test and experience to produce acceptable joints? (MO.GM.EQUIPPLASTICJOINT.P) | | | | | | | | | 192.605(b) (192.756)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 43. Maintenance of Equipment Used in Joining Plastic Pipe Do records indicate equipment used in joining plastic pipe was maintained in accordance with the manufacturer's recommended practices or with written procedures that have been proven by test and experience to produce acceptable joints? (MO.GM.EQUIPPLASTICJOINT.R) | | | | | | | | | 192.603(b) (192.756)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 44. Maintenance of Equipment Used in Joining Plastic Pipe Is proper maintenance being performed on equipment used in joining plastic pipe in accordance with the manufacturer's recommended practices or with written procedures that have been proven by test and experience to produce acceptable joints? (MO.GM.EQUIPPLASTICJOINT.O) | | | | | | | | | 192.756  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Emergency Preparedness and Response - Emergency Response

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Incident Investigation Data Does the process include the steps necessary for the gathering of data needed for reporting incidents under Part 191 of this chapter in a timely and effective manner? (EP.ERG.INCIDENTDATA.P) | | | | | | | | | 192.605(b)(4) (191.5(a); 192.9(d); 192.9(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Receiving Notices Does the emergency plan include procedures for receiving, identifying, and classifying notices of events which need immediate response? (EP.ERG.NOTICES.P) | | | | | | | | | 192.615(a)(1) (192.9(d); 192.9(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Emergency Response Communication Does the emergency plan include procedures for establishing and maintaining adequate means of communication with appropriate fire, police, and other public officials? (EP.ERG.COMMSYS.P) | | | | | | | | | 192.615(a) (192.615(a)(2); 192.9(d); 192.9(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. Emergency Response Does the emergency plan include procedures for making a prompt and effective response to a notice of each type of emergency, including gas detected inside or near a building, a fire or explosion near or directly involving a pipeline facility, operational failure (including Cyber-attacks), or a natural disaster? (EP.ERG.RESPONSE.P) | | | | | | | | | 192.615(a) (192.615(a)(3); 192.615(a)(11); 192.615(b)(1); 192.9(d); 192.9(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 9. Emergency Response Does the process include procedures for ensuring the availability of personnel, equipment, tools, and materials as needed at the scene of an emergency? (EP.ERG.READINESS.P) | | | | | | | | | 192.615(a) (192.615(a)(4); 192.9(d); 192.9(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 11. Emergency Response - Actions Does the emergency plan include procedures for taking actions directed toward protecting people first and then property? (EP.ERG.PUBLICPRIORITY.P) | | | | | | | | | 192.615(a) (192.615(a)(5); 192.9(d); 192.9(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 12. Emergency Response Does the emergency plan include procedures for the emergency shutdown, valve shut-off, or pressure reduction in any section of pipeline system necessary to minimize hazards to life or property? (EP.ERG.PRESSREDUCESD.P) | | | | | | | | | 192.615(a) (192.615(a)(6); 192.9(d); 192.9(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 13. Emergency Response - Hazards Does the emergency plan include procedures for making safe any actual or potential hazard to life or property? (EP.ERG.PUBLICHAZ.P) | | | | | | | | | 192.605(a) (192.615(a)(7); 192.9(d); 192.9(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 14. Public Official Notification Does the emergency plan include procedures for notifying appropriate public safety answering point (911) of gas pipeline emergencies and coordinating with them both planned responses and actual responses during an emergency? (EP.ERG.AUTHORITIES.P) | | | | | | | | | 192.615(a) (192.615(a)(8); 192.9(d); 192.9(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 17. Service Outage Restoration Does the emergency plan include procedures for safely restoring any service outage? (EP.ERG.OUTAGERESTORE.P) | | | | | | | | | 192.615(a) (192.615(a)(9); 192.9(d); 192.9(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 18. Emergency Response Performance Does the process include detailed steps for reviewing employee activities to determine whether the procedures were effectively followed in each emergency? (EP.ERG.POSTEVNTREVIEW.P) | | | | | | | | | 192.615(b)(3) (192.9(d); 192.9(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 19. Emergency Response Performance Do records indicate review of employee activities to determine whether the procedures were effectively followed in each emergency? (EP.ERG.POSTEVNTREVIEW.R) | | | | | | | | | 192.605(a) (192.615(b)(1); 192.615(b)(3); 192.9(d); 192.9(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 20. Liaison with Public Officials Does the process include steps for establishing and maintaining liaison with appropriate fire, police, other public officials, and 911 emergency call centers? (EP.ERG.LIAISON.P) | | | | | | | | | 192.615(a)(2) (192.615(c)(1); 192.615(c)(2); 192.615(c)(3); 192.615(c)(4); 192.616(c); 192.9(d); 192.9(e); ADB-2005-03) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 21. Liaison with Public Officials Do records indicate that liaison has been established and maintained with appropriate fire, police, other public officials, and 911 emergency call centers? (EP.ERG.LIAISON.R) | | | | | | | | | 192.603(b) (192.615(c)(1); 192.615(c)(2); 192.615(c)(3); 192.615(c)(4); 192.616(c); 192.9(d); 192.9(e); ADB-2005-03)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Facilities and Storage - Compressor Station System Protection

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Compressor Station Design/Construction - Fire Protection Do compressor stations have adequate fire protection facilities? (FS.CSSYSPROT.CMPFP.O) | | | | | | | | | 192.171(a) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Compressor Station Gas Detection Have adequate gas detection and alarm systems been installed in selected applicable compressor buildings? (FS.CSSYSPROT.CMPGASDET.O) | | | | | | | | | 192.736(a) (192.736(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Compressor Station Design/Construction - Gas Engine Mufflers Are gas engines in compressor stations equipped with mufflers that prevent gas from being trapped in the muffler? (FS.CSSYSPROT.CMPGASENGMFL.O) | | | | | | | | | 192.171(e) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Compressor Station Design/Construction - Gas Engine Shutdown Are compressor station gas engines that operate with pressure gas injection equipped so that stoppage of the engine will result in the fuel being automatically shut off and the engine distribution manifold being vented? (FS.CSSYSPROT.CMPGASENGSD.O) | | | | | | | | | 192.171(d) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Compressor Station Design/Construction - Lubrication Do compressor units have shutdown or alarm devices that will operate in the event of inadequate heating or lubrication? (FS.CSSYSPROT.CMPLUBPROT.O) | | | | | | | | | 192.171(c) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Compressor Station Design/Construction - Over-Speed Protection Do compressor stations' prime movers other than electrical induction or synchronous motors have automatic shutdown devices that will prevent over-speed of the prime mover or the unit being driven? (FS.CSSYSPROT.CMPOVSPD.O) | | | | | | | | | 192.171(b) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Compressor Station Design/Construction - Pressure Relief Are pressure relief/limiting devices inside a compressor station designed, installed, and inspected properly? (FS.CSSYSPROT.CMPRELIEF.O) | | | | | | | | | 192.199 (192.731(a); 192.731(b); 192.731(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. Compressor Station Design/Construction - Distribution Supply ESD Does each compressor station that supplies gas directly to a distribution system (with no other adequate sources of gas available) have an emergency shutdown system that will not function at the wrong time or cause unintended outages? (FS.CSSYSPROT.ESDDISTSD.O) | | | | | | | | | 192.167(b) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 9. Compressor Station Design/Construction - ESD Electrical Does each compressor station have an emergency shutdown system that is capable of shutting down electrical facilities (except emergency and equipment protection circuits) near gas headers and within compressor buildings? (FS.CSSYSPROT.ESDELECSD.O) | | | | | | | | | 192.167(a)(3)(i) (192.167(a)(3)(ii)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 10. Compressor Station Design/Construction - ESD Gas Block Does each compressor station have an emergency shutdown system that is capable of blocking gas out of the station and blow down the station piping? NOTE: Not required for field compressor stations of 1,000 horsepower (746 kilowatts) or less. (FS.CSSYSPROT.ESDGASBLK.O) | | | | | | | | | 192.167(a)(1) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 14. Compressor Station Design/Construction - Unattended Platform ESD Does each unattended platform compressor station located offshore or in inland navigable waters have an emergency shutdown system that will actuate automatically in the event of the following occurrences? 1) When gas pressure equals the MAOP plus 15 percent and, 2) When an uncontrolled fire occurs on the platform. (FS.CSSYSPROT.UNATTPLATCMPSD.O) | | | | | | | | | 192.167(c)(1) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 18. Compressor Station Design/Construction - Pressure Relief Does the process provide adequate detail for inspection and testing of compressor station pressure relief devices with the exception of rupture disks? (FS.CSSYSPROT.CMPRELIEF.P) | | | | | | | | | 192.605(b)(1) (192.731(a); 192.731(b); 192.731(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 19. Compressor Station Design/Construction - Pressure Relief Do records document with adequate detail that all inspection and testing of compressor station pressure relief devices with the exception of rupture disks have occurred at the required interval? (FS.CSSYSPROT.CMPRELIEF.R) | | | | | | | | | 192.709(b) (192.709(c); 192.731(a); 192.731(b); 192.731(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 25. Compressor Station - Gas Detection and Alarm System Do records document that all compressor station gas detection and alarm systems are being maintained and tested as required? (FS.CSSYSPROT.CMPGASDETOM.R) | | | | | | | | | 192.709(c) (192.736(c); 192.736(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Facilities and Storage - Compressor Stations

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Compressor Station Design/Construction - Exits Does each main compressor building operating floor have at least two separated, easily accessed and unobstructed exits to a place of safety, main compressor building exits that have door latches that can be readily opened without a key, and main compressor building exit doors mounted to swing outward? (FS.CS.BLDGEXITS.O) | | | | | | | | | 192.163(c) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Compressor Station Design/Construction - NFPA 70 Does the equipment and wiring within compressor stations conform to National Electric Code, ANSI/NFPA 70, including the required posting or ready access of the permit? (FS.CS.CMPNFPA70.O) | | | | | | | | | 192.163(e) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Compressor Station Design/Construction - Fence Gates Do fenced areas around compressor stations have at least two gates that provide for easy escape to place of safety, and do gates located within 200 feet of any compressor plant open outward and able to be opened from the inside without a key when the station is occupied? (FS.CS.FENCEGATES.O) | | | | | | | | | 192.163(d) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 14. Compressor Station - Emergency Response Plan Are emergency response plans for selected compressor stations kept on site? (FS.CS.CMPERP.O) | | | | | | | | | 192.605(a) (192.615(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 15. Compressor Station Design/Construction - Start-Up and Shut-Down Does the process for start-up and shut-down have sufficient detail to ensure start-up and shut-down of compressor units in a manner designed to assure operation within the MAOP limits prescribed by this part, plus the build-up allowed for operation of pressure-limiting and control devices? (FS.CS.CMPSUSD.P) | | | | | | | | | 192.605(b)(5) (192.605(b)(7)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 17. Compressor Stations - Storage of Combustible Materials Does the process require that flammable/combustible materials are stored as required, and aboveground oil or gasoline storage tanks, are installed at compressor stations according to 192.735(b)? (FS.CS.CMPCOMBUSTIBLE.P) | | | | | | | | | 192.303 (192.735(a); 192.735(b); NFPA 30)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 19. Compressor Stations - Storage of Combustible Materials Do field observations demonstrate that flammable/combustible materials are safely stored as required, and aboveground oil or gasoline storage tanks are installed at compressor stations according to §192.735(b)? (FS.CS.CMPCOMBUSTIBLE.O) | | | | | | | | | 192.735(a) (192.735(b); NFPA 30)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Facilities and Storage - Facilities General

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Abandonment or Deactivation of Pipe and Facilities Does the process include adequate requirements for the abandonment and deactivation of pipelines and facilities? (MO.GM.ABANDONPIPE.P) | | | | | | | | | 192.605(b)(1) (192.727(a); 192.727(b); 192.727(c); 192.727(d); 192.727(e); 192.727(f); 192.727(g))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Vault Inspection What are process requirements for inspecting vaults having a volumetric internal content ≥200 cubic feet (5.66 cubic meters) that house pressure regulating/limiting equipment? (FS.FG.VAULTINSPECT.P) | | | | | | | | | 192.605(b)(1) (192.749(a); 192.749(b); 192.749(c); 192.749(d))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Vault Inspection Do records document the adequacy of inspections of all vaults having an internal volume ≥200 cubic feet (5.66 cubic meters) that house pressure regulating/limiting equipment? (FS.FG.VAULTINSPECT.R) | | | | | | | | | 192.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Facilities and Storage - Valves

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Valve Maintenance Does the process have requirements for transmission line valves that might be used in an emergency? (FS.VA.CMPVLVTEST.P) | | | | | | | | | 192.605(b) (192.745(a); 192.745(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Maintenance and Operations - Conversion to Service

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Conversion to Service If any pipelines were converted into Part 192 service, was a process developed addressing all the applicable requirements? (MO.GC.CONVERSION.P) | | | | | | | | | 192.14(a) (192.14(b); 192.14(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Conversion to Service Do records indicate the process was followed for converting any pipelines into Part 192 service? (MO.GC.CONVERSION.R) | | | | | | | | | 192.14(a) (192.14(b); 192.14(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Maintenance and Operations - Gas Pipeline Abnormal Operations

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Abnormal Operations Does the process fully address the responsibilities during and after an abnormal operation? (MO.GOABNORMAL.ABNORMAL.P) | | | | | | | | | 192.605(a) (192.605(c)(1)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Abnormal Operations Did personnel respond to indications of abnormal operations as required by the process? (MO.GOABNORMAL.ABNORMAL.R) | | | | | | | | | 192.605(a) (192.605(c)(1)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Abnormal Operations Does the process include requirements for checking variations from normal operation after abnormal operation has ended at sufficient critical locations in the system to determine continued integrity and safe operation? (MO.GOABNORMAL.ABNORMALCHECK.P) | | | | | | | | | 192.605(a) (192.605(c)(2)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Abnormal Operations (Notify) Does the process include requirements for notifying responsible operator personnel when notice of an abnormal operation is received? (MO.GOABNORMAL.ABNORMALNOTIFY.P) | | | | | | | | | 192.605(a) (192.605(c)(3)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Abnormal Operations Review Does the process include requirements for periodically reviewing the response of operator personnel to determine the effectiveness of the processes controlling abnormal operation and taking corrective action where deficiencies are found? (MO.GOABNORMAL.ABNORMALREVIEW.P) | | | | | | | | | 192.605(a) (192.605(c)(4)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Abnormal Operations Review Do records indicate periodic review of work done by operator personnel to determine the effectiveness of the abnormal operation processes and corrective action taken where deficiencies are found? (MO.GOABNORMAL.ABNORMALREVIEW.R) | | | | | | | | | 192.605(a) (192.605(c)(4)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Maintenance and Operations - Gas Pipeline Class Location

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Change in Class Location Required Study Does the process include a requirement that the operator conduct a study whenever an increase in population density indicates a change in the class location of a pipeline segment operating at a hoop stress that is more than 40% SMYS, or indicates that the hoop stress corresponding to the established maximum allowable operating pressure for a segment of existing pipeline is not commensurate with the present class location? (MO.GOCLASS.CLASSLOCATESTUDY.P) | | | | | | | | | 192.605(b)(1) (192.609(a); 192.609(b); 192.609(c); 192.609(d); 192.609(e); 192.609(f)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Change in Class Location Required Study Do records indicate performance of the required study whenever the population along a pipeline increased or there was an indication that the pipe hoop stress was not commensurate with the present class location? (MO.GOCLASS.CLASSLOCATESTUDY.R) | | | | | | | | | 192.605(b)(1) (192.609(a); 192.609(b); 192.609(c); 192.609(d); 192.609(e); 192.609(f)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Change in Class Location Confirmation or Revision of MAOP Does the process include a requirement that the MAOP of a pipeline segment be confirmed or revised within 24 months whenever the hoop stress corresponding to the established MAOP is determined not to be commensurate with the existing class location? (MO.GOCLASS.CLASSLOCATEREV.P) | | | | | | | | | 192.605(b)(1) (192.609; 192.611(a); 192.611(b); 192.611(c); 192.611(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Continuing Surveillance Are there processes for performing continuing surveillance of pipeline facilities, and also for reconditioning, phasing out, or reducing the MAOP in a pipeline segment that is determined to be in unsatisfactory condition but on which no immediate hazard exists? (MO.GO.CONTSURVEILLANCE.P) | | | | | | | | | 192.605(e) (192.613(a); 192.613(b); 192.703(b); 192.703(c))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. Continuing Surveillance Are unsatisfactory conditions being captured and addressed by continuing surveillance of facilities and the pipeline as required by 192.613? (MO.GO.CONTSURVEILLANCE.O) | | | | | | | | | 192.613(a) (192.613(b); 192.703(a); 192.703(b); 192.703(c))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Maintenance and Operations - Gas Pipeline MAOP

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Maximum Allowable Operating Pressure Determination Does the process include requirements for determining the maximum allowable operating pressure for a pipeline segment in accordance with §192.619? (MO.GOMAOP.MAOPDETERMINE.P) | | | | | | | | | 192.605(b)(1) (192.619(a); 192.619(b); 192.619(c); 192.619(f); 192.8(b); 192.8(c)(4); 192.9(d); 192.9(e)(2); 192.9(f)(1)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Normal Operations within MAOP Limits Does the process include requirements for starting up and shutting down any part of the pipeline in a manner to assure operation with the MAOP limits, plus the build-up allowed for operation of pressure-limiting and control devices? (MO.GOMAOP.MAOPLIMIT.P) | | | | | | | | | 192.605(a) (192.605(b)(5); 192.8(b); 192.8(c)(4); 192.9(d); 192.9(e)(2); 192.9(f)(1)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Maximum Allowable Operating Pressure Determination Do records indicate determination of the MAOP of pipeline segments in accordance with 192.619 and limiting of the operating pressure as required? (MO.GOMAOP.MAOPDETERMINE.R) | | | | | | | | | 192.709(c) (192.619(a); 192.619(b); 192.619(c); 192.619(f); 192.517; 192.8(b); 192.8(c)(4); 192.9(d); 192.9(e)(2); 192.9(f)(1)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Maintenance and Operations - Gas Pipeline Maintenance

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Abandonment or Deactivation of Pipe and Facilities Does the process include adequate requirements for the abandonment and deactivation of pipelines and facilities? (MO.GM.ABANDONPIPE.P) | | | | | | | | | 192.605(b)(1) (192.727(a); 192.727(b); 192.727(c); 192.727(d); 192.727(e); 192.727(f); 192.727(g))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Transmission Lines Record Keeping Does the process include a requirement that the operator maintain a record of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test? (MO.GM.RECORDS.P) | | | | | | | | | 192.605(b)(1) (192.709(a); 192.709(b); 192.709(c))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Transmission Lines Record Keeping Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test? (MO.GM.RECORDS.R) | | | | | | | | | 192.605(b)(1) (192.243(f); 192.709(a); 192.709(b); 192.709(c))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Prevention of Accidental Ignition Are there processes for minimizing the danger of accidental ignition where gas constitutes a hazard of fire or explosion? (MO.GM.IGNITION.P) | | | | | | | | | 192.605(b)(1) (192.751(a); 192.751(b); 192.751(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Prevention of Accidental Ignition Do records indicate personnel followed processes for minimizing the danger of accidental ignition where the presence of gas constituted a hazard of fire or explosion? (MO.GM.IGNITION.R) | | | | | | | | | 192.709 (192.751(a); 192.751(b); 192.751(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 9. Valve Maintenance Transmission Lines Are there processes for inspecting and partially operating each transmission line valve that might be required in an emergency at intervals not exceeding 15 months, but at least once each calendar year and for taking prompt remedial action to correct any valve found inoperable? (MO.GM.VALVEINSPECT.P) | | | | | | | | | 192.605(b)(1) (192.745(a); 192.745(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 10. Valve Maintenance Transmission Lines Do records indicate proper inspection and partial operation of transmission line valves that may be required during an emergency as required and prompt remedial actions taken if necessary? (MO.GM.VALVEINSPECT.R) | | | | | | | | | 192.709(c) (192.745(a); 192.745(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 11. Valve Maintenance Transmission Lines Are field inspection and partial operation of transmission line valves adequate? (MO.GM.VALVEINSPECT.O) | | | | | | | | | 192.745(a) (192.745(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 12. Launcher and Receiver Safety Do the procedures require all launchers and receivers to have adequate safety devices in accordance with 192.750 and to ensure the safety devices are working properly just prior to each use? (MO.GM.TRAPSAFETY.P) | | | | | | | | | 192.750 (192.605(b); 192.801; 192.805)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 13. Launcher and Receiver Safety Does the operator have records to demonstrate whether all launchers and receivers have safety devices that were utilized prior to each use? (MO.GM.TRAPSAFETY.R) | | | | | | | | | 192.750 (192.605(b); 192.801; 192.805)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 14. Launcher and Receiver Safety Do field observations confirm selected launchers and receivers have safety devices installed and whether the safety devices were inspected prior to each use? (MO.GM.TRAPSAFETY.O) | | | | | | | | | 192.750 (192.605(b); 192.801; 192.805)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 15. Vault Inspection What are process requirements for inspecting vaults having a volumetric internal content ≥200 cubic feet (5.66 cubic meters) that house pressure regulating/limiting equipment? (FS.FG.VAULTINSPECT.P) | | | | | | | | | 192.605(b)(1) (192.749(a); 192.749(b); 192.749(c); 192.749(d))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 16. Vault Inspection Do records document the adequacy of inspections of all vaults having an internal volume ≥200 cubic feet (5.66 cubic meters) that house pressure regulating/limiting equipment? (FS.FG.VAULTINSPECT.R) | | | | | | | | | 192.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 18. Holders Does the process include systematic and routine testing and inspection of pipe-type or bottle-type holders? (MO.GM.HOLDER.P) | | | | | | | | | 192.605(a) (192.605(b)(10)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 19. Holders Do records indicate systematic and routine testing and inspection of pipe-type or bottle-type holders? (MO.GM.HOLDER.R) | | | | | | | | | 192.603(b) (192.605(b)(10)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 20. Maintenance of Equipment Used in Joining Plastic Pipe Does the process require maintaining equipment used in joining plastic pipe in accordance with the manufacturer's recommended practices or with written procedures that have been proven by test and experience to produce acceptable joints? (MO.GM.EQUIPPLASTICJOINT.P) | | | | | | | | | 192.605(b) (192.756)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 21. Maintenance of Equipment Used in Joining Plastic Pipe Do records indicate equipment used in joining plastic pipe was maintained in accordance with the manufacturer's recommended practices or with written procedures that have been proven by test and experience to produce acceptable joints? (MO.GM.EQUIPPLASTICJOINT.R) | | | | | | | | | 192.603(b) (192.756)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 22. Maintenance of Equipment Used in Joining Plastic Pipe Is proper maintenance being performed on equipment used in joining plastic pipe in accordance with the manufacturer's recommended practices or with written procedures that have been proven by test and experience to produce acceptable joints? (MO.GM.EQUIPPLASTICJOINT.O) | | | | | | | | | 192.756  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Maintenance and Operations - Gas Pipeline Odorization

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Odorization of Gas Does the process ensure appropriate odorant levels are contained in its combustible gases in accordance with 192.625? (MO.GOODOR.ODORIZE.P) | | | | | | | | | 192.605(b)(1) (192.625(a); 192.625(b); 192.625(c); 192.625(d); 192.625(e); 192.625(f)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Odorization of Gas 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? (MO.GOODOR.ODORIZE.R) | | | | | | | | | 192.709(c) (192.625(a); 192.625(b); 192.625(c); 192.625(d); 192.625(e); 192.625(f)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Maintenance and Operations - Gas Pipeline Operations

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Continuing Surveillance Are there processes for performing continuing surveillance of pipeline facilities, and also for reconditioning, phasing out, or reducing the MAOP in a pipeline segment that is determined to be in unsatisfactory condition but on which no immediate hazard exists? (MO.GO.CONTSURVEILLANCE.P) | | | | | | | | | 192.605(e) (192.613(a); 192.613(b); 192.703(b); 192.703(c))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Continuing Surveillance Are unsatisfactory conditions being captured and addressed by continuing surveillance of facilities and the pipeline as required by 192.613? (MO.GO.CONTSURVEILLANCE.O) | | | | | | | | | 192.613(a) (192.613(b); 192.703(a); 192.703(b); 192.703(c))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 11. Pipeline Purging Does the process include requirements for purging of pipelines in accordance with 192.629? (MO.GO.PURGE.P) | | | | | | | | | 192.605(b)(1) (192.629(a); 192.629(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 12. Normal Maintenance and Operations Does the process include a requirement to review the manual at intervals not exceeding 15 months, but at least once each calendar year? (MO.GO.OMANNUALREVIEW.P) | | | | | | | | | 192.605(a) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 13. Normal Maintenance and Operations Has the operator conducted annual reviews of the written procedures or processes in the manual as required? (MO.GO.OMANNUALREVIEW.R) | | | | | | | | | 192.605(a) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 14. Normal Operations and Maintenance Procedures - Review Does the process include requirements for periodically reviewing the work done by operator personnel to determine the effectiveness, and adequacy of the processes used in normal operations and maintenance and modifying the processes when deficiencies are found? (MO.GO.OMEFFECTREVIEW.P) | | | | | | | | | 192.605(a) (192.605(b)(8)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 15. Normal Operations and Maintenance Procedures - Review Do records indicate periodic review of the work done by operator personnel to determine the effectiveness, and adequacy of the processes used in normal operations and maintenance and modifying the processes when deficiencies are found? (MO.GO.OMEFFECTREVIEW.R) | | | | | | | | | 192.605(a) (192.605(b)(8)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 16. Normal Operations and Maintenance Procedures - History Does the process include requirements for making construction records, maps and operating history available to appropriate operating personnel? (MO.GO.OMHISTORY.P) | | | | | | | | | 192.605(a) (192.605(b)(3)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 18. Normal Operations and Maintenance Procedures - History Are construction records, maps and operating history available to appropriate operating personnel? (MO.GO.OMHISTORY.O) | | | | | | | | | 192.605(b)(3) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 20. Customer Notification Is a customer notification process in place that satisfies the requirements of 192.16? (MO.GO.CUSTNOTIFY.P) | | | | | | | | | 192.13(c) (192.16(a); 192.16(b); 192.16(c); 192.16(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 21. Customer Notification Do records indicate the customer notification process satisfies the requirements of 192.16? (MO.GO.CUSTNOTIFY.R) | | | | | | | | | 192.16(d) (192.16(a); 192.16(b); 192.16(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 22. Gas Odor Response Does the process require prompt response to the report of a gas odor inside or near a building? (MO.GO.ODDOR.P) | | | | | | | | | 192.605(a) (192.605(b)(11)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 23. Uprating Is the pressure uprating process consistent with the requirements of 192.553? (MO.GO.UPRATE.P) | | | | | | | | | 192.13(c) (192.553(a); 192.553(b); 192.553(c); 192.553(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 24. Uprating Do records indicate the pressure uprating process was implemented per the requirements of 192.553? (MO.GO.UPRATE.R) | | | | | | | | | 192.553(b) (192.553(a); 192.553(c); 192.553(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 25. Outer Continental Shelf Do records indicate specific point(s) at which operating responsibility transfers to a producing operator, as applicable? (MO.GO.OCS.R) | | | | | | | | | 192.10 | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Maintenance and Operations - Gas Pipeline Overpressure Protection

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Transmission Lines Record Keeping Does the process include a requirement that the operator maintain a record of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test? (MO.GM.RECORDS.P) | | | | | | | | | 192.605(b)(1) (192.709(a); 192.709(b); 192.709(c))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Transmission Lines Record Keeping Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test? (MO.GM.RECORDS.R) | | | | | | | | | 192.605(b)(1) (192.243(f); 192.709(a); 192.709(b); 192.709(c))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Pressure Limiting and Regulating Stations Capacity of Relief Devices Does the process include procedures for ensuring that the capacity of each pressure relief device at pressure limiting stations and pressure regulating stations is sufficient? (MO.GMOPP.PRESSREGCAP.P) | | | | | | | | | 192.605(b)(1) (192.743(a); 192.743(b); 192.743(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Pressure Limiting and Regulating Stations Capacity of Relief Devices 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? (MO.GMOPP.PRESSREGCAP.R) | | | | | | | | | 192.709(c) (192.743(a); 192.743(b); 192.743(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Pressure Limiting and Regulating Stations Inspection and Testing Does the process include procedures for inspecting and testing each pressure limiting station, relief device, and pressure regulating station and their equipment? (MO.GMOPP.PRESSREGTEST.P) | | | | | | | | | 192.605(b)(1) (192.739(a); 192.739(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Pressure Limiting and Regulating Stations Inspection and Testing Do records indicate inspection and testing of pressure limiting, relief devices, and pressure regulating stations? (MO.GMOPP.PRESSREGTEST.R) | | | | | | | | | 192.709(c) (192.739(a); 192.739(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Pressure Limiting and Regulating Stations Inspection and Testing Are field or bench tests or inspections of regulating stations, pressure limiting stations or relief devices adequate? (MO.GMOPP.PRESSREGTEST.O) | | | | | | | | | 192.739(a) (192.739(b); 192.743) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Maintenance and Operations - ROW Markers, Patrols, Leakage Survey and Monitoring

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Patrolling Requirements Does the process adequately cover the requirements for patrolling the ROW and conditions reported? (MO.RW.PATROL.P) | | | | | | | | | 192.705(a) (192.705(b); 192.705(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Patrolling Requirements Do records indicate that ROW surface conditions have been patrolled as required? (MO.RW.PATROL.R) | | | | | | | | | 192.709(c) (192.705(a); 192.705(b); 192.705(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Placement of ROW Markers Are line markers placed and maintained as required? (MO.RW.ROWMARKER.O) | | | | | | | | | 192.707(a) (192.707(b); 192.707(c); 192.707(d); 192.9(d); 192.9(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. ROW Conditions Are the ROW conditions acceptable for the type of patrolling used? (MO.RW.ROWCONDITION.O) | | | | | | | | | 192.705(a) (192.705(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. ROW Markers Requirements Does the process adequately cover the requirements for placement of ROW markers? (MO.RW.ROWMARKER.P) | | | | | | | | | 192.707(a) (192.707(b); 192.707(c); 192.707(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Leakage Surveys Does the process require leakage surveys to be conducted? (MO.RW.LEAKAGE.P) | | | | | | | | | 192.706 (192.706(a); 192.706(b); 192.935(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Leakage Surveys Do records indicate leakage surveys conducted as required? (MO.RW.LEAKAGE.R) | | | | | | | | | 192.709(c) (192.706; 192.706(a); 192.706(b); 192.935(d); 192.703(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 11. Requirement to Identify GOM Pipeline Hazards 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) | | | | | | | | | 192.612(a) (192.612(c)(2); 192.612(c)(3)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 12. Requirement to Identify GOM Pipeline Hazards Do records indicate steps taken to identify and inspect pipelines in the Gulf of Mexico at risk of being exposed underwater pipelines or hazards to navigation? (MO.RW.GOMHAZARD.R) | | | | | | | | | 192.709(c) (192.612(a); 192.612(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 13. Requirement to Identify GOM Pipeline Hazards Are pipelines in the Gulf of Mexico at risk of being exposed underwater pipelines or hazards to navigation marked as required? (MO.RW.GOMHAZARD.O) | | | | | | | | | 192.612(c)(2) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Public Awareness and Damage Prevention - Damage Prevention

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Damage Prevention Program Is a damage prevention program approved and in place? (PD.DP.PDPROGRAM.P) | | | | | | | | | 192.614(a) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Participation in Qualified One Call Systems Does the process require participation in qualified one-call systems? (PD.DP.ONECALL.P) | | | | | | | | | 192.614(b) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Construction Marking Does the process require marking proposed excavation sites to CGA Best Practices or use more stringent and accurate requirements? (PD.DP.EXCAVATEMARK.P) | | | | | | | | | 192.614(c)(5) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Documented Damage Prevention Program - TPD 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.DP.TPD.P) | | | | | | | | | 192.614(c)(1) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Documented Damage Prevention Program - TPD/One Call Does the process specify how reports of TPD are checked against One-Call tickets? (PD.DP.TPDONECALL.P) | | | | | | | | | 192.614(c)(3) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Damage Prevention Program Does the damage prevention program meet minimum requirements specified in 192.614(c)? (PD.DP.PDPROGRAM.R) | | | | | | | | | 192.614(c) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. DP Information Gathering Requirements Does the process require critical damage prevention information be gathered and recorded during pipeline patrols, leak surveys, and integrity assessments? (PD.DP.DPINFOGATHER.P) | | | | | | | | | 192.917(b) (192.935(b)(1)(ii)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Public Awareness and Damage Prevention - Public Awareness

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Asset Identification 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) | | | | | | | | | 192.616(b) (API RP 1162 Section 2.7 Step 4) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Audience Identification 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) | | | | | | | | | 192.616(d) (192.616(e); 192.616(f); API RP 1162 Section 2.2; API RP 1162 Section 3) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Management Support of Public Awareness Program Does the operator's program documentation demonstrate management support? (PD.PA.MGMTSUPPORT.P) | | | | | | | | | 192.616(a) (API RP 1162 Section 2.5; API RP 1162 Section 7.1) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Public Education Program Has the continuing public education (awareness) program been established as required? (PD.PA.PROGRAM.P) | | | | | | | | | 192.616(a) (192.616(h)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Messages, Delivery Methods, and Frequencies Does the program define the combination of messages, delivery methods, and delivery frequencies to comprehensively reach all affected stakeholder audiences in all areas where gas is transported? (PD.PA.MESSAGES.P) | | | | | | | | | 192.616(c) (API RP 1162 Section 3; API RP 1162 Section 4; API RP 1162 Section 5) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Consideration of Supplemental Enhancements Were relevant factors considered to determine the need for supplemental public awareness program enhancements for each stakeholder audience, as described in API RP 1162? (PD.PA.SUPPLEMENTAL.P) | | | | | | | | | 192.616(c) (API RP 1162 Section 6.2) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 11. Liaison with Public Officials Do records indicate that liaison has been established and maintained with appropriate fire, police, other public officials, and 911 emergency call centers? (EP.ERG.LIAISON.R) | | | | | | | | | 192.603(b) (192.615(c)(1); 192.615(c)(2); 192.615(c)(3); 192.615(c)(4); 192.616(c); 192.9(d); 192.9(e); ADB-2005-03)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 12. Other Languages 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) | | | | | | | | | 192.616(g) (API RP 1162 Section 2.3.1) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 13. Other Languages 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) | | | | | | | | | 192.616(g) (API RP 1162 Section 2.3.1) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 14. Evaluation Plan Does the program include a process that specifies how program implementation and effectiveness will be periodically evaluated? (PD.PA.EVALPLAN.P) | | | | | | | | | 192.616(i) (192.616(c); API RP 1162 Section 8; API RP 1162 Appendix E) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Public Awareness and Damage Prevention - ROW Markers, Patrols, Monitoring

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Continuing Surveillance Are there processes for performing continuing surveillance of pipeline facilities, and also for reconditioning, phasing out, or reducing the MAOP in a pipeline segment that is determined to be in unsatisfactory condition but on which no immediate hazard exists? (MO.GO.CONTSURVEILLANCE.P) | | | | | | | | | 192.605(e) (192.613(a); 192.613(b); 192.703(b); 192.703(c))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Continuing Surveillance Are unsatisfactory conditions being captured and addressed by continuing surveillance of facilities and the pipeline as required by 192.613? (MO.GO.CONTSURVEILLANCE.O) | | | | | | | | | 192.613(a) (192.613(b); 192.703(a); 192.703(b); 192.703(c))  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Reporting - Regulatory Reporting (Traditional)

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Annual Report Records Have complete and accurate Annual Reports utilizing the most recent form F 7 100.2-1 been submitted? (RPT.RR.ANNUALREPORT.R) | | | | | | | | | 191.17(a) (191.1(a); 192.8(c)(3); 192.8(c)(4); 192.8) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Annual Report Records - Gas Gathering Do records document the methodology that the operator used to identify and classify Type A, B, C, and R gathering pipelines correctly and within required timeframes? (RPT.RR.GGSEGMENTID.R) | | | | | | | | | 192.8(b) (191.1(a); 191.17(a); 192.8(c)(3); 192.8(c)(4); 192.8) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Immediate Reporting: Incidents Is there a process to immediately report incidents to the National Response Center? (RPT.RR.IMMEDREPORT.P) | | | | | | | | | 191.5(b) (191.7; 191.1(a); 192.8(c)(3); ) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Immediate Reporting: Incidents Do records indicate immediate notifications of incidents were made in accordance with §191.5? (RPT.RR.IMMEDREPORT.R) | | | | | | | | | 191.5(a) (191.7(a); 191.1(a); 192.8(c)(3)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Telephonic Reporting: Exposed Pipe GOM and inlets Does the process include telephonic notification to the National Response Center of exposed or navigation hazard pipe in the Gulf of Mexico and its inlets? (RPT.RR.TELREPORTGOM.P) | | | | | | | | | 192.605(b)(1) (192.612(c)(1)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Incident Reports Does the process require preparation and filing of an incident report as soon as practicable but no later than 30 days after discovery of a reportable incident? (RPT.RR.INCIDENTREPORT.P) | | | | | | | | | 191.15(a) (192.624(a)(1); 192.624(a)(2); 191.1(a); 192.8(c)(3); ) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. Supplemental Incident Reports Does the process require preparation and filing of supplemental incident reports? (RPT.RR.INCIDENTREPORTSUPP.P) | | | | | | | | | 191.15(d) (192.624(a); 191.1(a); 192.8(c)(3)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 9. Incident Reports Do records indicate reportable incidents were identified and reports were submitted to DOT on the most recent Form within the required timeframe? (RPT.RR.INCIDENTREPORT.R) | | | | | | | | | 191.15(a) (192.624(a)(1); 192.624(a)(2); 191.1(a); 192.8(c)(3)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 10. Supplemental Incident Reports Do records indicate accurate supplemental incident reports were filed and within the required timeframe using the most recent Form? (RPT.RR.INCIDENTREPORTSUPP.R) | | | | | | | | | 191.15(d) (191.1(a); 192.8(c)(3)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 11. Safety Related Condition Reports Do processes require reporting of safety-related conditions? (RPT.RR.SRCR.P) | | | | | | | | | 192.605(a) (191.23(a); 191.23(b); 191.25(a); 191.25(b); 191.25(c); 191.1(a); 192.8(c)(3)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 12. Safety Related Conditions - Recognizing SRCs Does the process include instructions enabling personnel who perform operation and maintenance activities to recognize conditions that may potentially be safety-related conditions, including MAOP Exceedances? (RPT.RR.SRC.P) | | | | | | | | | 192.605(a) (192.605(d); 191.23(a)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 13. Safety Related Condition Reports Do records indicate Safety-Related Condition Reports were filed as required? (RPT.RR.SRCR.R) | | | | | | | | | 191.23(a) (191.23(b); 191.25(a); 191.25(b); 191.25(c); 191.1(a); 192.8(c)(3); ) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 14. Offshore Hazard to Navigation: Permit Delay Do the process require PHMSA notification when federal or state permits cannot be obtained in time? (RPT.RR.NOTIFYPERMITGOM.P) | | | | | | | | | 192.605(b)(1) (192.612(c)(3)(ii)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 16. Abandoned Underwater Facility Reports 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.ABANDONWATERFACILITY.P) | | | | | | | | | 192.605(b)(1) (192.727(g)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 18. NPMS: Annual Updates 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? (RPT.RR.NPMSANNUAL.R) | | | | | | | | | 191.29(a) (191.29(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 19. National Registry of Pipeline and LNG Operators (OPID) Does the process require the obtaining, and appropriate control, of Operator Identification Numbers (OPIDs), including changes in entity, acquisition/divestiture, and construction/update/uprate? (RPT.RR.OPID.P) | | | | | | | | | 191.22(a) (191.22(c); 191.22(d); 191.1(a); 192.8(c)(3)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 20. National Registry of Pipeline and LNG Operators (OPID) Do records indicate appropriate obtaining, and control of, Operator Identification Numbers (OPIDs), including changes in entity, acquisition/divestiture, and construction/update/uprate? (RPT.RR.OPID.R) | | | | | | | | | 191.22(a) (191.22(c); 191.22(d); 191.1(a); 192.8(c)(3)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Time-Dependent Threats - Alternative MAOP

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Alternative MAOP - Internal Corrosion Is there a process for controlling internal corrosion on pipelines that may operate under the Alternative Maximum Operating Pressure rule? (TD.AMAOP.AMAOP.P) | | | | | | | | | 192.605(b)(2) (192.620(d)(5)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Alternative MAOP - Interference Currents Does the process include (prior to operating an existing pipeline segment at an alternate maximum allowable operating pressure, or within six months after placing a new pipeline segment in service at an alternate maximum allowable operating pressure) required instructions for addressing any interference currents on the pipeline segment? (TD.AMAOP.AMAOPINTFRCURRENT.P) | | | | | | | | | 192.605(b)(2) (192.620(d)(6)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Alternative MAOP - Indirect Method Does the process require that within six months after placing the cathodic protection of a new pipeline segment in operation, or within six months after an existing pipeline segment under Part 192 has been certified under the Alternative Maximum Operating Pressure rule, that adequacy be assessed of the indirect method such as close-interval survey, and the integrity of the coating using direct current voltage gradient (DCVG) or alternating current voltage gradient (ACVG)? (TD.AMAOP.AMAOPINDIRECT.P) | | | | | | | | | 192.605(b)(2) (192.620(d)(7)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. Alternative MAOP - Test Reading Does the process for a pipeline segment operating at an Alternate Maximum Allowable Operating Pressure require: (a) Completion of remedial action within six months of a failed reading at a test station during annual monitoring, or notification of each responsible pipeline safety party demonstrating that the integrity of the pipeline is not compromised; and (b) After completion of the remedial action to address a failed reading, confirmed restoration of adequate corrosion control by a close interval survey on either side of the affected test station to the next test station? (TD.AMAOP.AMAOPTESTREAD.P) | | | | | | | | | 192.605(b)(2) (192.620(d)(8)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Time-Dependent Threats - Atmospheric Corrosion

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Atmospheric Corrosion Does the process give adequate guidance identifying atmospheric corrosion and for protecting above ground pipe from atmospheric corrosion? (TD.ATM.ATMCORRODE.P) | | | | | | | | | 192.605(b)(2) (192.479(a); 192.479(b); 192.479(c); 192.9(f)(1); 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Atmospheric Corrosion Monitoring Does the process give adequate instruction for the inspection of aboveground pipeline segments for atmospheric corrosion? (TD.ATM.ATMCORRODEINSP.P) | | | | | | | | | 192.605(b)(2) (192.481(a); 192.481(b); 192.481(c); 192.481(d); 192.9(f)(1); 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Atmospheric Corrosion Monitoring Do records document inspection of aboveground pipe for atmospheric corrosion? (TD.ATM.ATMCORRODEINSP.R) | | | | | | | | | 192.491(c) (192.481(a); 192.481(b); 192.481(c); 192.481(d); 192.9(f)(1); 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Atmospheric Corrosion Monitoring Is pipe that is exposed to atmospheric corrosion protected? (TD.ATM.ATMCORRODEINSP.O) | | | | | | | | | 192.481(b) (192.481(c); 192.479(a); 192.479(b); 192.479(c); 192.481(d); 192.9(f)(1); 192.453; 192.491) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Time-Dependent Threats - External Corrosion - CP Monitoring

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Cathodic Protection Criteria Does the process require CP monitoring criteria to be used that is acceptable? (TD.CPMONITOR.MONITORCRITERIA.P) | | | | | | | | | 192.605(b)(2) (192.463(a); 192.463(c); 192.9(f)(1); 192.452(b); 192.452(c); 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Cathodic Protection Criteria Are methods used for taking CP monitoring readings that allow for the application of appropriate CP monitoring criteria? (TD.CPMONITOR.MONITORCRITERIA.O) | | | | | | | | | 192.465(a) (192.463(a); 192.463(b); 192.463(c); Part 192, Appendix D) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Cathodic Protection Monitoring Does the process adequately describe how to monitor CP that has been applied to pipelines? (TD.CPMONITOR.TEST.P) | | | | | | | | | 192.605(b)(2) (192.465(a); 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Cathodic Protection Monitoring Do records adequately document cathodic protection monitoring tests have occurred as required? (TD.CPMONITOR.TEST.R) | | | | | | | | | 192.491(c) (192.465(a); 192.9(f)(1); 192.452; 192.453; 192.491) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Rectifiers or other Impressed Current Sources Does the process give sufficient details for making electrical checks of rectifiers or impressed current sources? (TD.CPMONITOR.CURRENTTEST.P) | | | | | | | | | 192.605(b)(2) (192.465(b); 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Rectifiers or other Impressed Current Sources Do records document details of electrical checks of sources of rectifiers or other impressed current sources? (TD.CPMONITOR.CURRENTTEST.R) | | | | | | | | | 192.491(c) (192.465(b); 192.9(f)(1); 192.452; 192.453; 192.491) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 9. Bonds, Diodes, and Reverse Current Switches Does the process give sufficient details for making electrical checks of interference bonds, diodes, and reverse current switches? (TD.CPMONITOR.REVCURRENTTEST.P) | | | | | | | | | 192.605(b)(2) (192.465(c); 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 10. Bonds, Diodes and Reverse Current Switches Do records document details of electrical checks interference bonds, diodes, and reverse current switches? (TD.CPMONITOR.REVCURRENTTEST.R) | | | | | | | | | 192.491(c) (192.465(c); 192.9(f)(1); 192.452; 192.453; 192.491) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 12. Extent of Corrosion Control Deficiencies for Onshore Gas Transmission For onshore gas transmission pipelines, does the process require that the operator develop a remedial action plan to determine the extent of the area affected when low cathodic protection levels are detected? (TD.CPMONITOR.DEFICIENCYEXTENT.P) | | | | | | | | | 192.605(b)(2) (192.465(d); 192.465(f)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 13. Extent of Corrosion Control Deficiencies for Onshore Gas Transmission For onshore gas transmission pipelines, does the remedial action plan adequately document actions taken to determine the extent of inadequate cathodic protection, and correct any identified deficiencies in corrosion control? (TD.CPMONITOR.DEFICIENCYEXTENT.R) | | | | | | | | | 192.491(c) (192.465(d); 192.465(f)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 14. Extent of Corrosion Control Deficiencies for Onshore Gas Transmission Is the extent of inadequate cathodic protection identified, and if found, corrected? (TD.CPMONITOR.DEFICIENCYEXTENT.O) | | | | | | | | | 192.465(f) (192.465(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 15. Correction of Corrosion Control Deficiencies Does the process require that the operator promptly correct any identified deficiencies in corrosion control? (TD.CPMONITOR.DEFICIENCY.P) | | | | | | | | | 192.605(b)(2) (192.465(d); 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 16. Correction of Corrosion Control Deficiencies Do records adequately document actions taken to correct any identified deficiencies in corrosion control? (TD.CPMONITOR.DEFICIENCY.R) | | | | | | | | | 192.491(c) (192.465(d); 192.9(f)(1); 192.452; 192.453; 192.491) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 18. Correction of Corrosion Control Deficiencies for Onshore Gas Transmission For onshore gas transmission pipelines, do records adequately document actions taken to correct any identified deficiencies in corrosion control found during inspections/testing? (TD.CPMONITOR.DEFICIENCYGT.R) | | | | | | | | | 192.491(c) (192.465(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 19. Test Stations Does the process contain provisions to assure that each pipeline has sufficient test stations or other contact points to determine the adequacy of cathodic protection? (TD.CPMONITOR.TESTSTATION.P) | | | | | | | | | 192.469 (192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 22. Test Leads Does the process provide adequate instructions for the installation of test leads? (TD.CPMONITOR.TESTLEAD.P) | | | | | | | | | 192.605(b)(2) (192.471(a); 192.471(b); 192.471(c); 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 23. Test Leads Do records document that pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I? (TD.CPMONITOR.TESTLEAD.R) | | | | | | | | | 192.491(c) (192.471(a); 192.471(b); 192.471(c); 192.9(f)(1); 192.452; 192.453; 192.491) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 25. Interference Currents For pipelines other than onshore gas transmission, does the operator have a program in place to minimize detrimental effects of interference currents on its pipeline system? (TD.CPMONITOR.INTFRCURRENT.P) | | | | | | | | | 192.605(b)(2) (192.473(a); 192.9(d); 192.9(e); 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 26. Interference Currents For pipelines other than onshore gas transmission, 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? (TD.CPMONITOR.INTFRCURRENT.R) | | | | | | | | | 192.491(c) (192.473(a); 192.9(f)(1); 192.452; 192.453; 192.491) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 28. Interference Currents Design & Installation Does the operator have a program for designing and installing cathodic protection systems that minimizes the detrimental effects of interference currents on existing adjacent metallic structures? (TD.CPMONITOR.INTFRCURRENTDES.P) | | | | | | | | | 192.605(b)(2) (192.473(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 29. Interference Currents Design & Installation Do records for the design and installation of cathodic protection systems demonstrate the operator reduced the detrimental effects of interference currents on existing adjacent metallic structures? (TD.CPMONITOR.INTFRCURRENTDES.R) | | | | | | | | | 192.491(c) (192.473(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 30. Interference Currents Survey For onshore transmission pipelines, does the operator have a program in place to identify and analyze the detrimental effects of interference currents on its pipeline system by performing interference surveys to detect the presence and level of any electrical stray current. (TD.CPMONITOR.INTFRCURRENTSURV.P) | | | | | | | | | 192.605(b)(2) (192.473(c)(1); 192.473(c)(2)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 31. Interference Currents Survey For onshore gas transmission pipelines, do records document an effective program to identify and analyze interference currents by performing interference and monitoring surveys to detect the presence and level of any electrical stray current? (TD.CPMONITOR.INTFRCURRENTSURV.R) | | | | | | | | | 192.491(c) (192.473(c)(1); 192.473(c)(2)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 32. Interference Currents Remediation For transmission pipelines, does the program to minimize the detrimental effects of interference currents on its pipeline system include requirements to develop a remedial plan to correct instances that would impede the safe operation of the pipeline or adversely impact the environment or public? (TD.CPMONITOR.INTFRCURRENTREM.P) | | | | | | | | | 192.605(b)(2) (192.473(c)(3); 192.473(c)(4)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 33. Interference Currents Remediation For onshore gas transmission pipelines, 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? (TD.CPMONITOR.INTFRCURRENTREM.R) | | | | | | | | | 192.491(c) (192.473(c)(3); 192.473(c)(4)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 34. Corrosion Control Records Does the process include records requirements for the corrosion control activities listed in §192.491? (TD.CP.RECORDS.P) | | | | | | | | | 192.605(b)(2) (192.491(a); 192.491(b); 192.491(c); 192.9(f)(1); 192.452; 192.453)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 35. Corrosion Control Records Do records indicate the location of all corrosion control items listed in §192.491(a)? (TD.CP.RECORDS.R) | | | | | | | | | 192.491(a) (192.491(b); 192.491(c); 192.9(f)(1); 192.452; 192.453)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Time-Dependent Threats - External Corrosion - Cathodic Protection

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Cathodic Protection post July 1971 Does the process require that each buried or submerged pipeline installed after July 31, 1971, be protected against external corrosion with a cathodic protection system within 1 year after completion of construction, conversion to service, or becoming jurisdictional onshore gathering? (TD.CP.POST1971.P) | | | | | | | | | 192.605(b)(2) (192.455(a); 192.452(a); 192.452(b); 192.455(f); 192.455(g); 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Cathodic Protection post July 1971 Do records document that each buried or submerged pipeline installed after July 31, 1971, has been protected against external corrosion with a cathodic protection system within 1 year after completion of construction, conversion to service, or becoming jurisdictional onshore gathering? (TD.CP.POST1971.R) | | | | | | | | | 192.491(c) (192.455(a); 192.457(a); 192.452(a); 192.452(b); 192.455(f); 192.455(g); 192.9(f)(1); 192.452; 192.453; 192.491) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Cathodic Protection pre August 1971 Does the process require that pipelines installed before August 1, 1971 (except for cast and ductile iron lines) which are 1) bare or ineffectively coated transmission lines or 2) bare or coated pipes in compressor, regulator or meter stations must be cathodically protected in areas where active corrosion is found? (TD.CP.PRE1971.P) | | | | | | | | | 192.605(b)(2) (192.457(b); 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Cathodic Protection of Underground Piping Are bare or coated pipes in compressor, regulator or meter stations installed before August 1, 1971 (except for cast and ductile iron lines) cathodically protected in areas where active corrosion was found in accordance with Subpart I of Part 192? (TD.CP.PRE1971.O) | | | | | | | | | 192.457(b) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Use of Aluminum Does the process give adequate guidance for the installation of aluminum in a submerged or buried pipeline? (TD.CP.ALUMINUM.P) | | | | | | | | | 192.605(b)(2) (192.455(e); 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. Cathodic Protection of Amphoteric Metals Does the process describe criteria to be used for cathodic protection of amphoteric metals (aluminum) that are included in a steel pipeline? (TD.CP.AMPHOTERIC.P) | | | | | | | | | 192.605(b)(2) (192.463(b); 192.463(c); 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 10. Unprotected Buried Pipelines (typically bare pipelines) 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) | | | | | | | | | 192.605(b)(2) (192.465(e); 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 11. Unprotected Buried Pipelines (typically bare pipelines) Do records adequately document the re-evaluation of non-cathodically protected buried pipelines for areas of active corrosion? (TD.CP.UNPROTECT.R) | | | | | | | | | 192.491(c) (192.465(e); 192.9(f)(1); 192.452; 192.453; 192.491) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 12. Isolation from Other Metallic Structures Does the process give adequate guidance for electrically isolating each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit? (TD.CP.ELECISOLATE.P) | | | | | | | | | 192.605(b)(2) (192.467(a); 192.467(b); 192.467(c); 192.467(d); 192.467(e); 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 13. Isolation from Other Metallic Structures Do records adequately document electrical isolation of each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit? (TD.CP.ELECISOLATE.R) | | | | | | | | | 192.491(c) (192.467(a); 192.467(b); 192.467(c); 192.467(d); 192.467(e); 192.9(f)(1); 192.452; 192.453; 192.491) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 18. Protection from Fault Currents Does the process provide 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) | | | | | | | | | 192.605(b)(2) (192.467(f); 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 23. Corrosion Control Records Does the process include records requirements for the corrosion control activities listed in §192.491? (TD.CP.RECORDS.P) | | | | | | | | | 192.605(b)(2) (192.491(a); 192.491(b); 192.491(c); 192.9(f)(1); 192.452; 192.453)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 24. Corrosion Control Records Do records indicate the location of all corrosion control items listed in §192.491(a)? (TD.CP.RECORDS.R) | | | | | | | | | 192.491(a) (192.491(b); 192.491(c); 192.9(f)(1); 192.452; 192.453)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Time-Dependent Threats - External Corrosion - Coatings

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. New Buried Pipe Coating Does the process require that each buried or submerged pipeline installed after July 31, 1971 be externally coated with a material that is adequate for underground service on a cathodically protected pipeline? (TD.COAT.NEWPIPE.P) | | | | | | | | | 192.605(b)(2) (192.455(a)(1); 192.461(a); 192.461(b); 192.483(a); 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. New Buried Pipe Coating Do records document that each buried or submerged pipeline installed after July 31, 1971 has been externally coated with a suitable coating material? (TD.COAT.NEWPIPE.R) | | | | | | | | | 192.491(c) (192.455(a)(1); 192.461(a); 192.461(b); 192.483(a); 192.9(f)(1); 192.452; 192.453; 192.491) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. New Buried Pipe Coating Application Does the process give adequate guidance for the application and inspection of protective coatings on pipe? (TD.COAT.NEWPIPEINSTALL.P) | | | | | | | | | 192.605(b)(2) (192.461(c); 192.461(d); 192.461(e); 192.483(a); 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Time-Dependent Threats - External Corrosion - Exposed Pipe

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Examination of Exposed Portions of Buried Pipe Does the process require that exposed portions of buried pipeline be examined for external corrosion and coating deterioration, and if external corrosion is found, further examination is required to determine the extent of the corrosion? (TD.CPEXPOSED.EXPOSEINSPECT.P) | | | | | | | | | 192.605(b)(2) (192.459; 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Examination of Exposed Portions of Buried Pipe Do records adequately document that exposed buried piping was examined for corrosion and deteriorated coating? (TD.CPEXPOSED.EXPOSEINSPECT.R) | | | | | | | | | 192.491(c) (192.459; 192.9(f)(1); 192.452; 192.453; 192.491) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 10. Corrosion Control Records Does the process include records requirements for the corrosion control activities listed in §192.491? (TD.CP.RECORDS.P) | | | | | | | | | 192.605(b)(2) (192.491(a); 192.491(b); 192.491(c); 192.9(f)(1); 192.452; 192.453)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 11. Corrosion Control Records Do records indicate the location of all corrosion control items listed in §192.491(a)? (TD.CP.RECORDS.R) | | | | | | | | | 192.491(a) (192.491(b); 192.491(c); 192.9(f)(1); 192.452; 192.453)  *Note: this question is presented in multiple places so you will see multiple instances of it on this report.* | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Time-Dependent Threats - Internal Corrosion - Corrosive Gas

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Internal Corrosion - Corrosive Gas Does the process require that the corrosive effect of the gas in the pipeline be investigated? (TD.ICCG.CORRGAS.P) | | | | | | | | | 192.605(b)(2) (192.475(a); 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Internal Corrosion Corrosive Gas Actions Does the process give adequate direction for actions to be taken if corrosive gas is being transported by pipeline? (TD.ICCG.CORRGASACTION.P) | | | | | | | | | 192.605(b)(2) (192.477; 192.9(f)(1); 192.452; 192.453; 192.478) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Time-Dependent Threats - Internal Corrosion - Preventive Measures

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Internal Corrosion in Removed Pipe Does the process direct personnel to examine removed pipe for evidence of internal corrosion? (TD.ICP.EXAMINE.P) | | | | | | | | | 192.605(b)(2) (192.475(a); 192.475(b); 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Internal Corrosion in Removed Pipe Do records document examination of removed pipe for evidence of internal corrosion? (TD.ICP.EXAMINE.R) | | | | | | | | | 192.491(c) (192.475(a); 192.475(b); 192.9(f)(1); 192.452; 192.453; 192.491) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Evaluation of Internally Corroded Pipe Does the process give sufficient guidance for personnel to evaluate the remaining strength of pipe that has been internally corroded? (TD.ICP.EVALUATE.P) | | | | | | | | | 192.605(b)(2) (192.9(f)(1); 192.452; 192.453; 192.485(a); 192.485(c); 192.712(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Evaluation of Internally Corroded Pipe Do records document adequate evaluation of internally corroded pipe? (TD.ICP.EVALUATE.R) | | | | | | | | | 192.491(c) (192.9(f)(1); 192.452; 192.453; 192.485(a); 192.485(c); 192.491; 192.712(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Repair of Internally Corroded Pipe 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.REPAIRINT.P) | | | | | | | | | 192.491(c) (192.485(a); 192.485(b); 192.9(f)(1); 192.452; 192.453) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. Repair of Internally Corroded Pipe 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.REPAIRINT.R) | | | | | | | | | 192.485(a) (192.485(b); 192.9(f)(1); 192.452; 192.453; 192.491) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 9. Repair of Internally Corroded Pipe Do field observations confirm 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.REPAIRINT.O) | | | | | | | | | 192.485(a) (192.485(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Time-Dependent Threats - Special Permits

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Special Permit Has a process been developed as necessary for complying with the special permit conditions? (TD.SP.CONDITIONS.P) | | | | | | | | | 190.341(d)(2) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Training and Qualification - Operator Qualification

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Contractor Qualification Are adequate records containing the required elements maintained for contractor personnel? (TQ.OQ.OQCONTRACTOR.R) | | | | | | | | | 192.807(a) (192.807(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Qualification Records for Personnel Performing Covered Tasks Do records document the evaluation and qualifications of individuals performing covered tasks, and can the qualification of individuals performing covered tasks be verified? (TQ.OQ.RECORDS.R) | | | | | | | | | 192.807 | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Training and Qualification - Qualification of Personnel - Specific Requirements

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Corrosion Control Personnel Qualification Does the process require corrosion control processes to be carried out by, or under the direction of, qualified personnel? (TQ.QU.CORROSION.P) | | | | | | | | | 192.453 (192.805(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Corrosion Control Personnel Qualification Do records indicate qualification of personnel implementing pipeline corrosion control methods? (TQ.QU.CORROSION.R) | | | | | | | | | 192.453 (192.807(a); 192.807(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Qualification of Personnel Tapping Pipelines under Pressure Does the process require taps on a pipeline under pressure (hot taps) to be performed by qualified personnel? (TQ.QU.HOTTAPQUAL.P) | | | | | | | | | 192.627 (192.805(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Qualification of Personnel who Oversee and Perform Excavations and Backfilling Operations Does the process require individuals who oversee and perform marking, trenching, and backfilling operations be qualified? (TQ.QU.EXCAVATE.P) | | | | | | | | | 192.805(b) (ADB-2006-01; 192.801; 192.328) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Training and Qualification - Qualification of Personnel - Specific Requirements (O and M Construction)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Qualification of Nondestructive Testing Personnel Do records indicate the qualification of nondestructive testing personnel? (TQ.QUOMCONST.NDT.R) | | | | | | | | | 192.243(b)(2) (192.807(a); 192.807(b); 192.328(a); 192.328(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Qualification of Welders Do records indicate that welders are adequately qualified? (TQ.QUOMCONST.WELDER.R) | | | | | | | | | 192.227(a) (192.227(b); 192.229(a); 192.229(b); 192.229(c); 192.229(d); 192.328(a); 192.328(b); 192.807(a); 192.807(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Qualification of Welders Does the process require welders to be qualified in accordance with API 1104 or the ASME Boiler & Pressure Vessel Code? (TQ.QUOMCONST.WELDER.P) | | | | | | | | | 192.227(a) (192.225(a); 192.225(b); 192.328(a); 192.328(b); 192.805(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Qualification of Welders for Low Stress Pipe Does the process require welders who perform welding on low stress pipe on lines that operate at < 20% SMYS to be qualified under Section I of Appendix C to Part 192, and are welders who perform welding on service line connection to a main required to be qualified under Section II of Appendix C to Part 192? (TQ.QUOMCONST.WELDERLOWSTRESS.P) | | | | | | | | | 192.227(b) (192.225(a); 192.225(b); 192.805(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Training and Qualification - Training of Personnel

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Emergency Response Training Does the process require a continuing training program to be in place to effectively instruct emergency response personnel? (TQ.TR.TRAINING.P) | | | | | | | | | 192.615(b)(2) (192.805(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Emergency Response Training Is training for emergency response personnel documented? (TQ.TR.TRAINING.R) | | | | | | | | | 192.615(b)(2) (192.807(a); 192.807(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Emergency Response Training Performance Review Does the process require review of emergency response personnel performance? (TQ.TR.TRAININGREVIEW.P) | | | | | | | | | 192.615(b)(3) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

Except as required to be disclosed by law, any inspection documentation, including completed protocol forms, summary reports, executive summary reports, and enforcement documentation are for internal use only by federal or state pipeline safety regulators. Some inspection documentation may contain information which the operator considers to be confidential. In addition, supplemental inspection guidance and related documents in the file library are also for internal use only by federal or state pipeline safety regulators (with the exception of documents published in the federal register, such as advisory bulletins). Do not distribute or otherwise disclose such material outside of the state or federal pipeline regulatory organizations. Requests for such information from other government organizations (including, but not limited to, NTSB, GAO, IG, or Congressional Staff) should be referred to PHMSA Headquarters Management.