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## UGI O&M – O&amp;M

## Assessment and Repair - Integrity Assessment Via Pressure Test

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Test Acceptance Criteria and Procedures Were test acceptance criteria and procedures/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); 192.503(e); 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Assessment and Repair - Repair Criteria (O and M)

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Repair of Corroded Pipe Does the process give sufficient guidance for personnel to repair or replace pipe that has corroded to an extent that there is no longer sufficient remaining strength in the pipe wall? (AR.RCOM.REPAIR.P) | | | | | | | | | 192.605(b)(2) (192.487(a); 192.487(b); 192.489(a); 192.489(b); 192.491(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Repair of 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? (AR.RCOM.REPAIR.R) | | | | | | | | | 192.491(c) (192.487; 192.489) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Field Inspection - Remedial Actions (OM) Is anomaly remediation and documentation of remediation adequate for all segments? (AR.RCOM.REMEDIATIONOM.O) | | | | | | | | | 192.487(a) (192.487(b); 192.489) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Plastic Leak Repair - Mechanical Clamps Does the operator’s process ensure that mechanical leak clamps are not used as a permanent repair method for plastic pipe? (AR.RCOM.PLASTICLEAKCLAMP.P) | | | | | | | | | 192.720  *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. Plastic Leak Repair - Mechanical Clamps Do records indicate that mechanical leak clamp repairs for plastic pipe are documented with date installed, location, and date of removal? (AR.RCOM.PLASTICLEAKCLAMP.R) | | | | | | | | | 192.720  *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. Plastic Leak Repair - Mechanical Clamps Do field observations verify that mechanical leak clamp repairs for plastic pipe were installed and documented properly? (AR.RCOM.PLASTICLEAKCLAMP.O) | | | | | | | | | 192.720 (192.605; 192.603)  *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 | | | | | | | | |

## 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Test Reinstated Service Lines Is the process adequate for the testing of disconnected service lines? (AR.RMP.TESTREINSTATE.P) | | | | | | | | | 192.605(b) (192.725(a); 192.725(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Test Reinstated Service Lines From the review of records, did the operator properly test disconnected service lines? (AR.RMP.TESTREINSTATE.R) | | | | | | | | | 192.603(b) (192.725(a); 192.725(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Construction

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Underground Clearance Does the process require pipe to be installed with clearances specified in 192.325 and (if plastic) installed as to prevent heat damage to the pipe? (DC.CO.CLEARANCE.P) | | | | | | | | | 192.303 (192.325(b); 192.325(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. Underground Clearance Do records indicate that 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(b) (192.325(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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Underground Clearance Do field observations indicate that mains are installed with the clearances specified in 192.325 and (if plastic) installed as to prevent heat damage to the pipe? (DC.CO.CLEARANCE.O) | | | | | | | | | 192.325(b) (192.325(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 | | | | | | | | |

## Design and Construction - Construction Weld Inspection

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Inspection and Test of Welds Does the process require visual inspections of welds to be conducted by qualified inspectors? (DC.WELDINSP.WELDVISUALQUAL.P) | | | | | | | | | 192.303 (192.241(a); 192.241(b); 192.241(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Nondestructive Test and Interpretation Procedures Is there a process for welds nondestructive testing and interpretation in accordance with 192.243? (DC.WELDINSP.WELDNDT.P) | | | | | | | | | 192.243(a) (192.243(b); 192.243(c); 192.243(d); 192.243(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. 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) | | | | | | | | | 192.303 (192.245(a); 192.245(b); 192.245(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Construction Welder Qualification

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Limitations on Welders Does the process require certain limitations be placed on welders and welding operators in accordance with 192.229? (DC.WELDERQUAL.WELDERLIMITNDT.P) | | | | | | | | | 192.303 (192.229(a); 192.229(b); 192.229(c); 192.229(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Construction Welding Procedures

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Welding Procedures Does the process require welding to be performed by qualified welders using qualified welding procedures and are welding procedures and qualifying tests required to be recorded in detail? (DC.WELDPROCEDURE.WELD.P) | | | | | | | | | 192.225(a) (192.225(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Welding Procedures Do records indicate weld procedures are being qualified in accordance with 192.225? (DC.WELDPROCEDURE.WELD.R) | | | | | | | | | 192.225(a) (192.225(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Welding Weather Does the process require welding to be protected from weather conditions that would impair the quality of the completed weld? (DC.WELDPROCEDURE.WELDWEATHER.P) | | | | | | | | | 192.303 (192.231) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Miter joints Does the process prohibit the use of certain miter joints as required by 192.233? (DC.WELDPROCEDURE.MITERJOINT.P) | | | | | | | | | 192.303 (192.233(a); 192.233(b); 192.233(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Preparation for Welding Does the process require certain preparations for welding, in accordance with 192.235? (DC.WELDPROCEDURE.WELDPREP.P) | | | | | | | | | 192.303 (192.235) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Design of Pipe Components

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Flanges and Flange Accessories Do records indicate flanges and flange accessories meet the requirements of 192.147? (DC.DPC.FLANGE.R) | | | | | | | | | 192.147(a) (192.147(b); 192.147(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Flanges and Flange Accessories Do flanges and flange accessories meet the requirements of 192.147? (DC.DPC.FLANGE.O) | | | | | | | | | 192.141 (192.147(a); 192.147(b); 192.147(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Distribution Valve Placement Are distribution line valves being installed as required of 192.181? (DC.DPC.GDVALVEPLACEMENT.O) | | | | | | | | | 192.141 (192.181(a); 192.181(b); 192.181(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Maintenance and Operations

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. 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 | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. 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 | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. 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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Marking of Materials Does the operator's specifications require 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 | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Marking of Materials Do records indicate that pipe, valves, and fittings were marked as required? (DC.MA.MARKING.R) | | | | | | | | | 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 | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Marking of Materials Are pipe, valves, and fittings properly marked for identification in accordance with the requirements of 192.63? (DC.MA.MARKING.O) | | | | | | | | | 192.63(a) (192.63(b); 192.63(c); 192.63(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Meters, Service Regulators, and Service Lines

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Customer Meters and Regulator Location Are meters and service regulators being located consistent with the requirements of 192.353? (DC.METERREGSVC.CUSTMETERREGLOC.O) | | | | | | | | | 192.351 (192.353(a); 192.353(b); 192.353(c); 192.353(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Customer Meters and Regulator Protection Are meters and service regulators being protected from damage consistent with the requirements of 192.355? (DC.METERREGSVC.CUSTMETERREGPROT.O) | | | | | | | | | 192.351 (192.355(a); 192.355(b); 192.355(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Customer Meters and Regulator Installation Based on the meters and service regulators observed being installed, are the installations consistent with the requirements of §192.357? (DC.METERREGSVC.CUSTMETERREGINSTALL.O) | | | | | | | | | 192.351 (192.357(a); 192.357(b); 192.357(c); 192.357(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Customer Meter Operating Pressure Are customer meter operating pressures consistent with the requirements of 192.359? (DC.METERREGSVC.CUSTMETEROPPRESS.O) | | | | | | | | | 192.351 (192.359(a); 192.359(b); 192.359(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Service Line Installation Are customer service lines being installed consistent with the requirements of 192.361? (DC.METERREGSVC.SVCLINEINSTALL.O) | | | | | | | | | 192.351 (192.361(a); 192.361(b); 192.361(c); 192.361(d); 192.361(e); 192.361(f); 192.361(g)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Service Line Valve and Location Requirements Are customer service line valves being installed meeting the valve and locations requirements of 192.363 and 192.365? (DC.METERREGSVC.SVCLINEVLVLOCATEREQT.O) | | | | | | | | | 192.351 (192.363(a); 192.363(b); 192.363(c); 192.365(a); 192.365(b); 192.365(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Service Line Connection Requirements Are customer service lines being installed with connections meeting the requirements of 192.367 and 192.369? (DC.METERREGSVC.SVCLINECONNECT.O) | | | | | | | | | 192.351 (192.367(a); 192.367(b); 192.369(a); 192.369(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. Service Line Connection Requirements Are customer service lines being installed constructed appropriately for the types of materials used? (DC.METERREGSVC.SVCLINEMATERIAL.O) | | | | | | | | | 192.351 (192.371; 192.373(a); 192.373(b); 192.373(c); 192.375(a); 192.375(b); 192.377) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 9. Service Line Connection Requirements Are new customer service lines not in use configured in accordance with the requirements of 192.379? (DC.METERREGSVC.NEWSVCLINENOTUSED.O) | | | | | | | | | 192.351 (192.379; 192.379(a); 192.379(b); 192.379(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 10. Service Line Connection Requirements Are service line excess flow valves located and identified in accordance with the requirements of 192.381? (DC.METERREGSVC.EXCSFLOWVLVLOCATE.O) | | | | | | | | | 192.351 (192.381(c); 192.381(d); 192.381(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Pressure Testing

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Test Requirements for Service Lines Do records indicate that pressure testing is conducted in accordance with 192.511? (DC.PT.SERVICELINE.R) | | | | | | | | | 192.517(b) (192.511(a); 192.511(b); 192.511(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Pressure Testing - Low Pressure

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Strength Test Duration Requirements for SMYS < 30% Do records indicate that pressure testing is conducted in accordance with 192.507? (DC.PTLOWPRESS.PRESSTESTLOWSTRESS.R) | | | | | | | | | 192.517(a) (192.507(a); 192.507(b); 192.507(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Strength Test Requirements for Operations < 100 psig Do records indicate that pressure testing is conducted in accordance with 192.509(a) (except for service lines and plastic pipelines)? (DC.PTLOWPRESS.PRESSTEST100PSIG.R) | | | | | | | | | 192.517(b) (192.509(a); 192.509(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Design and Construction - Plastic Pipe Construction

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Design of Plastic Pipe (192.121) Does the process require the design pressure for plastic pipe to be determined in accordance with §192.121? (DC.PLASTIC.DESIGNPRESSPLASTIC.P) | | | | | | | | | 192.121 | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Design of Plastic Pipe (192.121) Do design records and drawings indicate the design pressure for plastic pipe is determined in accordance with the formulas in §192.121? (DC.PLASTIC.DESIGNPRESSPLASTIC.R) | | | | | | | | | 192.121 | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Plastic Pipe Specifications Does the operator's specifications require plastic pipe to meet the requirements of §192.53, §192.59, and other applicable requirements of this sub-part? (DC.PLASTIC.PLASTICSPECS.P) | | | | | | | | | 192.53 (192.59) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Plastic Pipe Specifications Do records indicate that plastic pipe is qualified in accordance with §192.59? (DC.PLASTIC.PLASTICSPECS.R) | | | | | | | | | 192.53 (192.59) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Plastic Pipe Specifications Do field observations confirm the plastic pipe meets the requirements of §192.53 and applicable requirements of this subpart? (DC.PLASTIC.PLASTICSPECS.O) | | | | | | | | | 192.53 (192.59) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Design Pressure of Plastic Components / Fittings Does the process require plastic components and fittings are able to withstand operating pressures and other anticipated loads in accordance with a listed specification? (DC.PLASTIC.PLASTICFITTING.P) | | | | | | | | | 192.143(c) (192.149(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Design Pressure of Plastic Components / Fittings Do records indicate that plastic components and fittings are able to withstand operating pressures and other anticipated loads in accordance with a listed specification? (DC.PLASTIC.PLASTICFITTING.R) | | | | | | | | | 192.143(c) (192.149(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. Marking of Materials Does the operator's specifications require 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. Marking of Materials Do records indicate that pipe, valves, and fittings were marked as required? (DC.MA.MARKING.R) | | | | | | | | | 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 11. Plastic Pipe Joints Does the process require plastic pipe joints to be designed and installed in accordance with 192.281? (DC.PLASTIC.PLASTICJOINT.P) | | | | | | | | | 192.273(b) (192.281(a); 192.281(b); 192.281(c); 192.281(d); 192.281(e); 192.303) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 12. Plastic Pipe Joints As applicable to the project, do records indicate that plastic pipe joints are installed in accordance with the requirements §192.281? (DC.PLASTIC.PLASTICJOINT.R) | | | | | | | | | 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 Joints As applicable to the project, are plastic pipe joints installed in accordance with the requirements 192.281? (DC.PLASTIC.PLASTICJOINT.O) | | | | | | | | | 192.281 | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 14. 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) | | | | | | | | | 192.273(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 Joining Procedures Have plastic pipe joining procedures been qualified in accordance with 192.283? (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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 16. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 17. Plastic Pipe - Qualifying Personnel to Make Joints Do records indicate persons making joints in plastic pipelines are qualified in accordance with §192.285? (DC.PLASTIC.PLASTICJOINTQUAL.R) | | | | | | | | | 192.285(d) (192.285(a); 192.285(b); 192.285(c); 192.285(e); 192.807(a); 192.807(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 19. Qualification of Personnel Inspecting Joints in Plastic Pipelines Do records indicate persons inspecting the making of plastic pipe joints have been qualified? (DC.PLASTIC.PLASTICJOINTINSP.R) | | | | | | | | | 192.287 (192.807(a); 192.807(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 20. Qualification of Personnel Inspecting Joints in Plastic Pipelines Do person(s) inspecting joints in plastic pipelines demonstrate they are qualified to evaluate the acceptability of plastic pipe joints? (DC.PLASTIC.PLASTICJOINTINSP.O) | | | | | | | | | 192.287 (192.807(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 21. Installation of Plastic Pipe Does the operator’s process require that plastic pipe be installed as required by §192.321? (DC.PLASTIC.INSTALLPLASTIC.P) | | | | | | | | | 192.303 (192.321(a); 192.321(b); 192.321(c); 192.321(d); 192.321(e); 192.321(f); 192.321(g); 192.321(h); 192.321(i)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 22. Installation of Plastic Pipe Do records indicate plastic pipe was installed as required by 192.321? (DC.PLASTIC.INSTALLPLASTIC.R) | | | | | | | | | 192.321(a) (192.321(b); 192.321(c); 192.321(d); 192.321(e); 192.321(f); 192.321(g); 192.321(h); 192.321(i)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 23. Installation of Plastic Pipe Do field observations confirm the plastic pipe is installed as required by 192.321? (DC.PLASTIC.INSTALLPLASTIC.O) | | | | | | | | | 192.321(a) (192.321(b); 192.321(c); 192.321(d); 192.321(e); 192.321(f); 192.321(g); 192.321(h); 192.321(i)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 24. Underground Clearance Does the process require pipe to be installed with clearances specified in 192.325 and (if plastic) installed as to prevent heat damage to the pipe? (DC.CO.CLEARANCE.P) | | | | | | | | | 192.303 (192.325(b); 192.325(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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 25. Underground Clearance Do records indicate that 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(b) (192.325(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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 26. Underground Clearance Do field observations indicate that mains are installed with the clearances specified in 192.325 and (if plastic) installed as to prevent heat damage to the pipe? (DC.CO.CLEARANCE.O) | | | | | | | | | 192.325(b) (192.325(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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 33. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 35. Repair of Plastic Pipe Does the process require imperfections or damage of plastic pipe to be repaired or removed? (DC.PLASTIC.REPAIRPLASTIC.P) | | | | | | | | | 192.303 (192.311) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 37. Repair of Plastic Pipe Do field observations verify imperfections or damage of plastic pipe are repaired or removed? (DC.PLASTIC.REPAIRPLASTIC.O) | | | | | | | | | 192.311 | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 38. Test Requirements for Plastic Pipe Does the process require that, as applicable to the project, sections of a plastic pipeline must be tested in accordance with the requirements of §192.513? (DC.PLASTIC.PRESSTESTPLASTIC.P) | | | | | | | | | 192.513(a) (192.143(a); 192.121(a); 192.513(b); 192.513(c); 192.513(d); 192.143(b); 192.143(c); 192.121(b); 192.121(c); 192.121(d); 192.121(e); 192.121(f)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 39. Test Requirements for Plastic Pipe Do records indicate that pressure testing is conducted in accordance with 192.513? (DC.PLASTIC.PRESSTESTPLASTIC.R) | | | | | | | | | 192.517(b) (192.513(a); 192.513(b); 192.513(c); 192.513(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 40. Test Requirements for Plastic Pipe Do field observations confirm that sections of a plastic pipeline are tested in accordance with the requirements of 192.513? (DC.PLASTIC.PRESSTESTPLASTIC.O) | | | | | | | | | 192.513(a) (192.143(a); 192.513(b); 192.513(c); 192.513(d); 192.143(b); 192.143(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 41. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 42. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 43. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 44. Maintenance of Equipment Used in Joining of Plastic Pipe by Heat Fusion Does the process require maintaining equipment used in joining of plastic pipe using heat fusion 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)(1) (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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 45. Maintenance of Equipment Used in Joining of Plastic Pipe by Heat Fusion Do records indicate equipment used in joining plastic pipe by heat fusion 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 46. Maintenance of Equipment Used in Joining of Plastic Pipe by Heat Fusion Is proper maintenance being performed on equipment used in joining plastic pipe by heat fusion 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 | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 47. Qualification of Personnel Making Joints in Plastic Pipelines Does the process require personnel making joints in plastic pipelines be qualified? (TQ.QUOMCONST.PLASTIC.P) | | | | | | | | | 192.285(a) (192.285(d); 192.805(b); 192.285(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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 48. Qualification of Personnel Inspecting Joints in Plastic Pipelines Does the process require that persons who inspect joints in plastic pipes be qualified? (TQ.QUOMCONST.PLASTICINSPECT.P) | | | | | | | | | 192.287 (192.805(b))  *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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 49. Qualification of Personnel Making Joints in Plastic Pipelines Do records indicate adequate qualification of personnel making/inspecting joints in plastic pipelines? (TQ.QUOMCONST.PLASTIC.R) | | | | | | | | | 192.285(a) (192.285(d); 192.287; 192.807(a); 192.807(b); 192.285(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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 50. Qualification of Personnel Making Joints in Plastic Pipelines Do field observations verify personnel making/inspecting joints in plastic pipelines demonstrate adequate skills and knowledge? (TQ.QUOMCONST.PLASTIC.O) | | | | | | | | | 192.285(a) (192.287; 192.803)  *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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. 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) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 11. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 12. Incident Investigation Actions Does the process include procedures for beginning action under 192.617, if applicable, as soon after the end of the emergency as possible? (EP.ERG.INCIDENTACTIONS.P) | | | | | | | | | 192.615(a) (192.615(a)(10)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 13. Incident Investigation Does the process include procedures for analyzing accidents and failures, including the selection of samples of the failed facility or equipment for laboratory examination, where appropriate, for the purpose of determining the causes of the failure and minimizing the possibility of recurrence? (EP.ERG.INCIDENTANALYSIS.P) | | | | | | | | | 192.617 | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 14. Incident Investigation Do records indicate actions initiated to analyze accidents and failures, including the collection of appropriate samples for laboratory examination to determine the causes of the failure and minimize the possibility of recurrence, in accordance with its procedures? (EP.ERG.INCIDENTANALYSIS.R) | | | | | | | | | 192.605(a) (192.617) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 15. Emergency Response Training Does the process include training of the appropriate operating personnel to assure they are knowledgeable of the emergency procedures and verifying that the training is effective? (EP.ERG.TRAINING.P) | | | | | | | | | 192.615(b)(2) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 16. Emergency Response Training Has the operator trained the appropriate operating personnel on emergency procedures and verified that the training was effective in accordance with its procedures? (EP.ERG.TRAINING.R) | | | | | | | | | 192.605(a) (192.615(b)(2)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 17. 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) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 18. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 19. 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(c) (192.615(c)(1); 192.615(c)(2); 192.615(c)(3); 192.615(c)(4); 192.616(c); ADB-2005-03) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 20. Liaison with Public Officials Do records indicate liaisons established and maintained with appropriate fire, police, other public officials, and 911 emergency call centers in accordance with procedures? (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); 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 - 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Vault Inspection Are inspections of selected vaults with internal volume ≥200 cubic feet (5.66 cubic meters) housing pressure regulating/limiting equipment adequate? (FS.FG.VAULTINSPECT.O) | | | | | | | | | 192.749(a) (192.749(b); 192.749(c); 192.749(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Maintenance and Operations - Gas Pipeline Abnormal Operations

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. 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 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) (192.611(a); 192.611(b); 192.611(c); 192.611(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. 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? (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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. 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 | | | | | | | | |

## 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); 192.621(a); 192.621(b); 192.623(a); 192.623(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Maximum Allowable Operating Pressure 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) | | | | | | | | | 192.619(a) (192.619(b); 192.621(a); 192.621(b); 192.623(a); 192.623(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Normal Operations and Maintenance Procedures 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Abandonment or Deactivation of Pipeline and Facilities Do records indicate pipelines and facilities were abandoned or deactivated in accordance with requirements? (MO.GM.ABANDONPIPE.R) | | | | | | | | | 192.709(c) (192.727(a); 192.727(b); 192.727(c); 192.727(d); 192.727(e); 192.727(f); 192.727(g)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Valve Maintenance Distribution Lines Does the process include procedures for inspecting and partially operating each distribution system 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.DISTVALVEINSPECT.P) | | | | | | | | | 192.605(b)(1) (192.747(a); 192.747(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Valve Maintenance Distribution Lines Do records indicate proper inspection of each distribution system valve that might be required in an emergency at intervals not exceeding 15 months, but at least once each calendar year, and prompt remedial action to correct any valve found inoperable? (MO.GM.DISTVALVEINSPECT.R) | | | | | | | | | 192.603(b) (192.747(a); 192.747(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Valve Maintenance Distribution Lines Is proper inspection being performed for each distribution system valve that might be required in an emergency, and prompt remedial action to correct any valves found inoperable? (MO.GM.DISTVALVEINSPECT.O) | | | | | | | | | 192.747(a) (192.747(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. Bell and Spigot Joints Does the process require that caulked bell and spigot joints be correctly sealed? (MO.GM.BELLSPIGOTJOINT.P) | | | | | | | | | 192.753(a) (192.753(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 9. Bell and Spigot Joints Do records indicate that caulked bell and spigot joints were correctly sealed? (MO.GM.BELLSPIGOTJOINT.R) | | | | | | | | | 192.603(b) (192.753(a); 192.753(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 10. Bell and Spigot Joints Do records indicate that caulked bell and spigot joints were correctly sealed? (MO.GM.BELLSPIGOTJOINT.O) | | | | | | | | | 192.753(a) (192.753(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 11. Protecting Cast-Iron Pipeline Does the process require adequate protection for segments of a buried cast-iron pipeline for which support has been disturbed? (MO.GM.CASTIRONPROTECT.P) | | | | | | | | | 192.755(a) (192.755(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 12. Protecting Cast-Iron Pipeline Is adequate protection in place for segments of a buried cast-iron pipeline for which support has been disturbed? (MO.GM.CASTIRONPROTECT.O) | | | | | | | | | 192.755(a) (192.755(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 13. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 14. Maintenance of Equipment Used in Joining of Plastic Pipe by Heat Fusion Does the process require maintaining equipment used in joining of plastic pipe using heat fusion 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)(1) (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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 15. Maintenance of Equipment Used in Joining of Plastic Pipe by Heat Fusion Do records indicate equipment used in joining plastic pipe by heat fusion 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 16. Maintenance of Equipment Used in Joining of Plastic Pipe by Heat Fusion Is proper maintenance being performed on equipment used in joining plastic pipe by heat fusion 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 | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 17. Plastic Leak Repair - Mechanical Clamps Does the operator’s process ensure that mechanical leak clamps are not used as a permanent repair method for plastic pipe? (AR.RCOM.PLASTICLEAKCLAMP.P) | | | | | | | | | 192.720  *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 Leak Repair - Mechanical Clamps Do records indicate that mechanical leak clamp repairs for plastic pipe are documented with date installed, location, and date of removal? (AR.RCOM.PLASTICLEAKCLAMP.R) | | | | | | | | | 192.720  *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. Plastic Leak Repair - Mechanical Clamps Do field observations verify that mechanical leak clamp repairs for plastic pipe were installed and documented properly? (AR.RCOM.PLASTICLEAKCLAMP.O) | | | | | | | | | 192.720 (192.605; 192.603)  *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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 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 | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Odorization of Gas Is sampling of combustible gases adequate using an instrument capable of determining the percentage of gas in air at which it becomes readily detectable? (MO.GOODOR.ODORIZE.O) | | | | | | | | | 192.625(a) (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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Continuing Surveillance Do records indicate performance of continuing surveillance of facilities as required, and also the reconditioning, phasing out, or MAOP reduction in any pipeline segment that was determined to be in unsatisfactory condition but on which no immediate hazard existed? (MO.GO.CONTSURVEILLANCE.R) | | | | | | | | | 192.605(b)(3) (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) | | | | | | | | | 192.605(b)(3) (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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Pipeline Purging Are lines being purged in accordance with 192.629? (MO.GO.PURGE.O) | | | | | | | | | 192.629(a) (192.629(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Normal Maintenance and Operations Have annual reviews of the written procedures or processes in the manual been conducted as required? (MO.GO.OMANNUALREVIEW.R) | | | | | | | | | 192.605(a) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 9. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 10. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 11. Normal Operations and Maintenance Procedures - History Are construction records, maps and operating history available to appropriate operating personnel? (MO.GO.OMHISTORY.R) | | | | | | | | | 192.605(a) (192.605(b)(3)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 13. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 14. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 15. EFV Installation Is there an adequate excess flow valve (EFV) installation and performance program in place? (MO.GO.EFVINSTALL.P) | | | | | | | | | 192.383(b) (192.381(a); 192.381(b); 192.381(c); 192.381(d); 192.381(e); 192.383(a); 192.383(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 16. 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 | | | | | | | | |

## Maintenance and Operations - Gas Pipeline Overpressure Protection

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Pressure Telemetering or Recording Gauges Does the process require telemetering or recording gauges be utilized as required for distribution systems? (MO.GMOPP.PRESSREGMETER.P) | | | | | | | | | 192.605(b)(1) (192.741(a); 192.741(b); 192.741(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Pressure Telemetering or Recording Gauges Are telemetering or recording gauges properly utilized as required for distribution systems? (MO.GMOPP.PRESSREGMETER.O) | | | | | | | | | 192.741(a) (192.741(b); 192.741(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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

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

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Transmission Patrolling Requirements Do records indicate that transmission line ROW surface conditions have been patrolled as required? (MO.RW.TRANSPATROL.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. Transmission Leakage Surveys Does the process require transmission leakage surveys to be conducted? (MO.RW.TRANSLEAKAGE.P) | | | | | | | | | 192.706 (192.706(a); 192.706(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Transmission Leakage Surveys Do records indicate transmission leakage surveys conducted as required? (MO.RW.TRANSLEAKAGE.R) | | | | | | | | | 192.709(c) (192.706; 192.706(a); 192.706(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Business District Definition Do the procedures define a “Business District”? (MO.RW.BUSINESSDIST.P) | | | | | | | | | 192.723(b)(1) (192.721(b)(1); 192.723(a); 192.613) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Business District Definition Do the records clearly identify the areas of operator's distribution system that are considered Business Districts? (MO.RW.BUSINESSDIST.R) | | | | | | | | | 192.723(b)(1) (192.721(b)(1); 192.723(a); 192.613) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Business District Definition Do field observations indicate Business Districts are properly identified? (MO.RW.BUSINESSDIST.O) | | | | | | | | | 192.723(b)(1) (192.721(b)(1); 192.723(a); 192.613) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. Distribution Patrolling Does the process require distribution system patrolling to be conducted? (MO.RW.DISTPATROL.P) | | | | | | | | | 192.721(a) (192.721(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 9. Distribution Patrolling Do records indicate distribution patrolling was conducted as required? (MO.RW.DISTPATROL.R) | | | | | | | | | 192.603(b) (192.721(a); 192.721(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 10. Distribution Leakage Surveys Does the process require distribution system leakage surveys to be conducted? (MO.RW.DISTLEAKAGE.P) | | | | | | | | | 192.723(a) (192.723(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 11. Distribution Leakage Surveys Do records indicate distribution leakage surveys were conducted as required? (MO.RW.DISTPATROLLEAKAGE.R) | | | | | | | | | 192.603(b) (192.723(a); 192.723(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 12. 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(d); CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 13. Placement of ROW Markers Are line markers placed and maintained as required? (MO.RW.ROWMARKER.O) | | | | | | | | | 192.707(a) (192.707(b); 192.707(d); CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 14. Placement of ROW Markers Are line markers placed and maintained as required for above ground pipelines? (MO.RW.ROWMARKERABOVE.O) | | | | | | | | | 192.707(c) (CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Maintenance and Operations - Uprating

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Maximum Allowable Operating Pressure Increase Do records indicate that increases in MAOP of pipeline were determined in accordance with 192.553? (MO.GOUPRATE.MAOPINCREASE.R) | | | | | | | | | 192.553(a) (192.553(b); 192.553(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Maximum Allowable Operating Pressure Increase Limit Do records indicate that increases in MAOP are limited in accordance with 192.619 and 192.621? (MO.GOUPRATE.MAOPINCREASELIMIT.R) | | | | | | | | | 192.553(b) (192.553(c); 192.553(d); 192.557(a)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Maximum Allowable Operating Pressure Increase Preparation Do records indicate that increases in MAOP were preceded by the actions specified in 192.557? (MO.GOUPRATE.MAOPINCREASEPREP.R) | | | | | | | | | 192.553(b) (192.553(c); 192.553(a); 192.557(b); 192.557(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Maximum Allowable Operating Pressure Increase - Cast or Ductile Iron Do records indicate that requirements were followed for increasing the MAOP for cast iron or ductile iron pipe where records are inadequate for evaluating the level of safety of the pipeline when operating at the proposed increased pressure? (MO.GOUPRATE.MAOPINCREASECASTDUCTILE.R) | | | | | | | | | 192.553(b) (192.553(c); 192.557(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | 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 the Common Ground Alliance's (CGA) Best Practices or the use of 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Participation in Qualified One Call Systems Observe operator process a "One Call" ticket. (PD.DP.ONECALL.O) | | | | | | | | | 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 | | | | | | | | |

## Public Awareness and Damage Prevention - Public Awareness

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 11. Liaison with Public Officials Do records indicate liaisons established and maintained with appropriate fire, police, other public officials, and 911 emergency call centers in accordance with procedures? (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); 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 18. Evaluating Program Effectiveness Do records indicate program effectiveness evaluation(s) have been performed and cover all program requirements and all systems covered by the program? (PD.PA.EVALEFFECTIVENESS.R) | | | | | | | | | 192.616(c) (API RP 1162 Section 8.4) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 24. Master Meter and Petroleum Gas Systems Does the public awareness program for a master meter or petroleum gas system meet the requirements of Part 192? (PD.PA.MSTRMETER.P) | | | | | | | | | 192.616(j) (192.616(h)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 25. Master Meter and Petroleum Gas Systems Do records indicate the public awareness program for a master meter or petroleum gas system operator has met the requirements of Part 192? (PD.PA.MSTRMETER.R) | | | | | | | | | 192.616(j) (192.616(h); API RP 1162 Section 2.7 (Step 12); API RP 1162 Section 8.5) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

## Public Awareness and Damage Prevention - ROW Markers, Patrols, Leakage Survey and 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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Continuing Surveillance Do records indicate performance of continuing surveillance of facilities as required, and also the reconditioning, phasing out, or MAOP reduction in any pipeline segment that was determined to be in unsatisfactory condition but on which no immediate hazard existed? (MO.GO.CONTSURVEILLANCE.R) | | | | | | | | | 192.605(b)(3) (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) | | | | | | | | | 192.605(b)(3) (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 been submitted? (RPT.RR.ANNUALREPORT.R) | | | | | | | | | 191.11(a) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. 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(a); 191.7(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. 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); 191.7(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. 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) | | | | | | | | | 191.9(a) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Supplemental Incident Reports Does the process require preparation and filing of supplemental incident reports? (RPT.RR.INCIDENTREPORTSUPP.P) | | | | | | | | | 191.9(b) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Incident Reports Do records indicate reportable incidents were identified and reports were submitted to DOT on Form 7100.1 within the required time frame? (RPT.RR.INCIDENTREPORT.R) | | | | | | | | | 191.9(a) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Supplemental Incident Reports Do records indicate accurate supplemental incident reports were filed and within the required timeframe? (RPT.RR.INCIDENTREPORTSUPP.R) | | | | | | | | | 191.9(b) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. Safety Related Condition Reports Do the procedures require reporting of safety-related conditions? (RPT.RR.SRCR.P) | | | | | | | | | 192.605(a) (191.23(a); 191.23(b); 191.25(a); 191.25(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 9. 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(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 10. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | 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, including inside meter and pressure regulator installations, for atmospheric corrosion? (TD.ATM.ATMCORRODEINSP.P) | | | | | | | | | 192.605(b)(2) (192.481(a); 192.481(b); 192.481(c); 192.481(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Atmospheric Corrosion Monitoring Do field observations indicate that pipe exposed to atmospheric corrosion is properly coated? (TD.ATM.ATMCORRODEINSP.O) | | | | | | | | | 192.481(b) (192.481(c); 192.479(a); 192.479(b); 192.479(c); 192.481(d)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Cathodic Protection Monitoring 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Cathodic Protection Monitoring Criteria Do records document that the CP monitoring criteria used was acceptable? (TD.CPMONITOR.MONITORCRITERIA.R) | | | | | | | | | 192.491(c) (192.463(a)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Cathodic Protection Monitoring 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(b); 192.463(c); 192.463(a)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. Rectifier or other Impressed Current Sources Do field observations confirm impressed current sources are properly maintained and are functioning properly? (TD.CPMONITOR.CURRENTTEST.O) | | | | | | | | | 192.465(b) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 11. Bonds, Diodes and Reverse Current Switches Are interference bonds, diodes, and reverse current switches properly maintained and are they functioning properly? (TD.CPMONITOR.REVCURRENTTEST.O) | | | | | | | | | 192.465(c) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 12. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 13. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 14. 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 | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 15. Test Stations Do records identify the location of test stations and show a sufficient number of test stations? (TD.CPMONITOR.TESTSTATION.R) | | | | | | | | | 192.469 | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 16. Test Stations Do cathodically protected pipelines have a sufficient number of test stations? (TD.CPMONITOR.TESTSTATION.O) | | | | | | | | | 192.469 | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 17. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 18. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 19. Test Leads Do pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I? (TD.CPMONITOR.TESTLEAD.O) | | | | | | | | | 192.471(a) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 20. Interference Currents Does the operator have a program in place to minimize detrimental effects of interference currents on its pipeline system and does the process for designing and installing cathodic protection systems provide for the minimization of detrimental effects of interference currents on existing adjacent metallic structures? (TD.CPMONITOR.INTFRCURRENT.P) | | | | | | | | | 192.605(b)(2) (192.473(a)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 21. Interference Currents 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 22. Interference Currents Are areas of potential stray current identified, and if found, the detrimental effects of stray currents minimized? (TD.CPMONITOR.INTFRCURRENT.O) | | | | | | | | | 192.473(a) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | 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))  *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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 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))  *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); 192.457(a); 192.452(a); 192.452(b); 192.455(c); 192.455(d); 192.455(f); 192.455(g)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | 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, or 3) bare or coated distribution lines, must be cathodically protected in areas where active corrosion is found? (TD.CP.PRE1971.P) | | | | | | | | | 192.605(b)(2) (192.457(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Use of Aluminum Do records support the installation of aluminum when it was installed in a submerged or buried pipeline? (TD.CP.ALUMINUM.R) | | | | | | | | | 192.491(c) (192.455(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Cathodic Protection of Amphoteric Metals Do records document adequate cathodic protection of amphoteric metals (aluminum) that are included in a steel pipeline? (TD.CP.AMPHOTERIC.R) | | | | | | | | | 192.491(c) (192.463(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 9. Unprotected Buried Pipelines (typically bare pipelines) Do records adequately document that exposed buried piping was examined for corrosion and deteriorated coating? (TD.CP.UNPROTECT.R) | | | | | | | | | 192.491(c) (192.465(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 10. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 11. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 12. Isolation from Other Metallic Structures Are measures performed to ensure electrical isolation of each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit? (TD.CP.ELECISOLATE.O) | | | | | | | | | 192.467(a) (192.467(b); 192.467(c); 192.467(d); 192.467(e)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 16. Graphitization of Cast Iron and Ductile Iron Does the process give adequate guidance for remediation of graphitization of cast iron or ductile iron pipe? (TD.CP.GRAPHITIZE.P) | | | | | | | | | 192.605(b)(2) (192.489(a); 192.489(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 17. Graphitization of Cast Iron and Ductile Iron Do records document remediation of graphitization of cast iron or ductile iron pipe? (TD.CP.GRAPHITIZE.R) | | | | | | | | | 192.491(c) (192.489(a); 192.489(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 18. Graphitization of Cast Iron and Ductile Iron Has there been adequate remediation for the graphitization of cast iron or ductile iron pipe? (TD.CP.GRAPHITIZE.O) | | | | | | | | | 192.489(a) (192.489(b)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 19. 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))  *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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 20. 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))  *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

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 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); 192.455(b); 192.455(c); 192.455(d); 192.461(a); 192.461(b); 192.463; 192.483(a)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | 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); 192.461(a); 192.461(b); 192.483(a)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. New Buried Pipe Coating Installation 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. New Buried Pipe Coating Installation Is external protective coating being protected from damage that could result from adverse ditch conditions or supporting blocks? (TD.COAT.NEWPIPEINSTALL.O) | | | | | | | | | 192.461(d) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Conversion to Service - Pipe Coating Does the process require that each buried or submerged pipeline that has been converted to gas service and was installed after July 31, 1971, be protected against external corrosion with an adequate coating unless exempted by 192.455(b)? (TD.COAT.CONVERTPIPE.P) | | | | | | | | | 192.605(b)(2) (192.452(a); 192.455(a); 192.455(b); 192.455(c); 192.455(d); 192.461(a)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | 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 must be examined for external corrosion? (TD.CPEXPOSED.EXPOSEINSPECT.P) | | | | | | | | | 192.605(b)(2) (192.459) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | 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? (TD.CPEXPOSED.EXPOSEINSPECT.R) | | | | | | | | | 192.491(c) (192.459) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Examination of Exposed Portions of Buried Pipe Is exposed buried piping examined for corrosion and deteriorated coating? (TD.CPEXPOSED.EXPOSEINSPECT.O) | | | | | | | | | 192.459 | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. Evaluation of Externally Corroded Pipe Does the process provide sufficient direction for personnel to evaluate the remaining strength of externally corroded pipe? (TD.CPEXPOSED.EXTCORRODEEVAL.P) | | | | | | | | | 192.605(b)(2) (192.487; 192.489) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Evaluation of Externally Corroded Pipe Do records adequately document the evaluation of externally corroded pipe? (TD.CPEXPOSED.EXTCORRODEEVAL.R) | | | | | | | | | 192.491(c) (192.487; 192.489) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Evaluation of Externally Corroded Pipe Do field observations verify that externally corroded pipe was adequately evaluated? (TD.CPEXPOSED.EXTCORRODEEVAL.O) | | | | | | | | | 192.487 (192.489) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Repair of Externally Corroded Pipe Does the process give sufficient guidance for personnel to repair or replace pipe that is externally corroded to an extent that there is not sufficient remaining strength in the pipe wall? (TD.CPEXPOSED.EXTCORRODREPAIR.P) | | | | | | | | | 192.605(b)(2) (192.487; 192.489) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. Repair of Externally Corroded Pipe Do records document the repair or replacement of pipe that has been externally corroded to an extent that there is not sufficient remaining pipe wall strength? (TD.CPEXPOSED.EXTCORRODREPAIR.R) | | | | | | | | | 192.491(c) (192.487; 192.489) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 9. Repair of Externally Corroded Pipe Do records document the repair or replacement of pipe that has been externally corroded to an extent that there is not sufficient remaining pipe wall strength? (TD.CPEXPOSED.EXTCORRODREPAIR.O) | | | | | | | | | 192.487 (192.489) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | 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))  *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))  *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 - Preventive Measures

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Internal Corrosion Does the process require that the corrosive effect of the gas in the pipeline be investigated and if determined to be corrosive, steps be taken to minimize internal corrosion? (TD.ICP.CORRGAS.P) | | | | | | | | | 192.605(b)(2) (192.475(a)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. Internal Corrosion Do the records demonstrate that the corrosive effect of the gas in the pipeline has been investigated and if determined to be corrosive, steps be taken to minimize internal corrosion? (TD.ICP.CORRGAS.R) | | | | | | | | | 192.491(c) (192.475(a)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Internal Corrosion Corrosive Gas Prevention If the transportation of corrosive gas is not allowed, is the transportation of corrosive gas prevented? (TD.ICP.CORRGASPRVNT.O) | | | | | | | | | 192.475(a) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 4. 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.ICP.CORRGASACTION.P) | | | | | | | | | 192.605(b)(2) (192.477) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 5. Internal Corrosion Corrosive Gas Actions Do records document the actions taken when corrosive gas is being transported by pipeline? (TD.ICP.CORRGASACTION.R) | | | | | | | | | 192.491(c) (192.477) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 6. Internal Corrosion Corrosive Gas Actions Are adequate actions taken when corrosive gas is being transported by pipeline? (TD.ICP.CORRGASACTION.O) | | | | | | | | | 192.477 | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Internal Corrosion in Cutout 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 8. Internal Corrosion in Cutout 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 9. 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) (192.487) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 10. Evaluation of Internally Corroded Pipe Do records document adequate evaluation of internally corroded pipe? (TD.ICP.EVALUATE.R) | | | | | | | | | 192.491(c) (192.487) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 11. 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) | | | | | | | | | 192.605(b)(2) (192.487(a); 192.487(b); 192.489(a); 192.489(b); 192.491(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 12. 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) | | | | | | | | | 192.491(c) (192.487; 192.489) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 13. 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) | | | | | | | | | 192.487 (192.489) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 14. Bottle Type and Pipe Type Holders Does the process preclude storing gas containing more than 0.25 grain of hydrogen sulfide per 100 standard cubic feet (5.8 milligrams/m3) at standard conditions (4 parts per million) in pipe-type or bottle-type holders? (TD.ICP.PIPEBOTTLE.P) | | | | | | | | | 192.605(b)(2) (192.475(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 15. Bottle Type and Pipe Type Holders Do the records indicate gas was not stored that contained more than 0.25 grain of hydrogen sulfide per 100 standard cubic feet (5.8 milligrams/m3) at standard conditions (4 parts per million) in pipe-type or bottle-type holders? (TD.ICP.PIPEBOTTLE.R) | | | | | | | | | 192.491(c) (192.475(c)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 16. Bottle Type and Pipe Type Holders Is gas containing more than 0.25 grain of hydrogen sulfide per 100 standard cubic feet (5.8 milligrams/m3) at standard conditions (4 parts per million) being stored in pipe-type or bottle-type holders? (TD.ICP.PIPEBOTTLE.O) | | | | | | | | | 192.475(c) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. Corrosion Control Personnel Qualification Does the process require corrosion control procedures 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 | | | | | | | | |

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

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1. 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)) | | | | | | | | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | | Sat+ | Sat | Concern | Unsat | NA | NC |  |  | |  |  |  |  |  |  |  | | | Notes | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2. 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 | | | | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3. Qualification of Welders Do records indicate adequate qualification of welders? (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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 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 Personnel Making Joints in Plastic Pipelines Does the process require personnel making joints in plastic pipelines be qualified? (TQ.QUOMCONST.PLASTIC.P) | | | | | | | | | 192.285(a) (192.285(d); 192.805(b); 192.285(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. Qualification of Personnel Inspecting Joints in Plastic Pipelines Does the process require that persons who inspect joints in plastic pipes be qualified? (TQ.QUOMCONST.PLASTICINSPECT.P) | | | | | | | | | 192.287 (192.805(b))  *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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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 7. Qualification of Personnel Making Joints in Plastic Pipelines Do records indicate adequate qualification of personnel making/inspecting joints in plastic pipelines? (TQ.QUOMCONST.PLASTIC.R) | | | | | | | | | 192.285(a) (192.285(d); 192.287; 192.807(a); 192.807(b); 192.285(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. Qualification of Personnel Making Joints in Plastic Pipelines Do field observations verify personnel making/inspecting joints in plastic pipelines demonstrate adequate skills and knowledge? (TQ.QUOMCONST.PLASTIC.O) | | | | | | | | | 192.285(a) (192.287; 192.803)  *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 | | | | | | | | |

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.