

Appendix A
Kinder Morgan Operator Qualification Program
List of Covered Tasks - Natural Gas - Part 192
Revised 7/20/2021

| No. | Gas Covered Tasks | Requalification Frequency | Initial Qualification Method | Subsequent Qualification Method | Span of Control | O&M Reference | CFR49 Citation |
|------------|--|----------------------------------|---|---|------------------------|--------------------------------|--------------------------------|
| 01.01.01 | Abnormal Operating Conditions (AOC) - Outside of Control Room | 3 yrs. | Knowledge Test | Knowledge Test | N/A | 101, 215, 550, 703, 1101, 1900 | 192.605c1, 605c2 |
| 01.01.02 | Abnormal Operating Conditions (AOC) - Inside of Control Room | 3 yrs. | Knowledge Test | Knowledge Test | N/A | 159, 228, 1101, 1102, 1902 | 192.605, 803, 805 |
| 02.01.01 | Gas Detection & Alarm System Maintenance & Performance Test | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 515, 550 | 192.171, 736c |
| 02.02.01 | Isolation of Compressor Units | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 501, 502 | 192.605b6 |
| 02.03.01 | Compressor Station Inspection & Testing of Remote Control Shutdown Devices | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 500 | 192.167, 603b, 605a, 605b, 731 |
| 03.01.01 | Operating Compressor Units: Remote | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 501, 502 | 192.605 |
| 03.01.02 | Operating Compressor Units: Manual | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 501, 502 | 192.605b7 |
| 03.02.01 | Shutting Down Compressor Units: Remote | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 501, 502 | 192.605b7 |
| 03.02.02 | Shutting Down Compressor Units: Manual | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 501, 502 | 192.605b7 |
| 03.03.01 | Starting Compressor Units: Remote | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 501, 502 | 192.605b7 |

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| 03.03.02 | Starting Compressor Units: Manual | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 501, 502 | 192.605b7 |
| 04.01.01 | Measure Damage on Installed Pipe and Components | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 213, 403 | 192.305, 307, 485(c), 933(a) |
| 04.01.02 | Corrosion Monitoring – Atmospheric, External, and Internal: Offshore Pipelines | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 903, 918 | 192.459, 475(b)(1), 479, 481, 605(b)(10)(i) |
| 04.01.03 | Visual Inspection of Buried Pipe and Components When Exposed | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 109, 213, 903, 917, 918 | 192.459, 475(b)(1), 479, 481, 605(b)(10)(i) |
| 04.01.04 | Visual Inspection of Internal Surface of Pipe | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 109, 213, 903, 906, 915 | 192.475b1, 605b10i, 614c5 |
| 04.01.05 | Visual Inspection for External/Atmospheric Corrosion | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 918, 1700, I-1141 | 192.459, 475b1, 479b1, 481, 605b10i, 614c5 |
| 04.01.06 | Insert and Remove Coupons/Probes for Internal Corrosion Monitoring | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 906, 1700 | 192.459, 475b1, 479b1, 481, 605b10i |
| 04.01.07 | Nondestructive Testing – Magnetic Particle Testing of Pipe | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:0 | 917, 919 | 192.917e5, 929, 933 |
| 04.01.08 | Evaluating Anomalies Using Handyscan 700® *This is a CONTRACTOR TASK ONLY and is not performed by KM employees. (effective 10/1/2018) | 1 yr. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:0 | 213, 915 | 192.319a, 361c, 361d, 461c, 461d, 461e |

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| 04.02.01 | Coating Maintenance/Application and Repair-Sprayed, Brushed, or Rolled | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:5 | 203, 903, 918 | 192.455a1, 461a, 471c, 479a, 483a |
| 04.02.02 | Coating Maintenance/Repair – Wrapped | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:5 | 102, 203,1211 | 192.455a1, 461a, 471c, 479a, 483a |
| 04.03.01 | Electronic Holiday Detection | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | C1080, C1081, C1082, C1085 | 192.461c |
| 05.01.01 | Cathodic Protection System Maintenance: Rectifiers | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 184, 903, I-1700 | 192.455, 457, 465, 467, 473, 483 |
| 05.01.02 | Cathodic Protection System Maintenance: Electrical Isolation | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 184, 903, I-1700 | 192.455, 457, 465, 467, 473, 483 |
| 05.01.03 | Cathodic Protection System Maintenance: Anodes & Anode Ground Beds | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 184, 903 | 192.455, 457, 465, 467, 473, 483 |
| 05.01.04 | Inspect or Test Cathodic Protection Bonds | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 903 | 192.465c, 465d, 491a |
| 05.01.05 | Cathodic Protection System Maintenance: Reverse Current Switches | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 903 | 192.455(a)(2), (d), 457(a)(b), 465(c)(d)(e), 467(a)(b)(c)(e)(f), 473b, 483(b)(c) |
| 05.01.06 | Cathodic Protection System Maintenance: Automatic Potential Controlled Protection Systems | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 903 | 192.455(a)(2), (d), 457(a)(b), 465(c)(d)(e), 467(a)(b)(c)(e)(f), 473b, 483(b)(c) |

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| 05.01.07 | Cathodic Protection System Maintenance: AC Voltage Mitigation System | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 903 | 192.455(a)(2), (d), 457(a)(b), 465(c)(d)(e), 467(a)(b)(c)(e)(f), 473b, 483(b)(c) |
| 05.01.08 | Cathodic Protection: Read Rectifier | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 903 | 192.465 |
| 05.02.01 | Cathodic Protection System – Electrical Connections | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 903, C1085 | 192.455a2, 455d, 457b, 465c, 465d, 465e, 467(a)(b)(c)(e)(f), 471(a)(b), 473b, 483b, 483c |
| 05.02.02 | Maintain Cathodic Test Leads (effective 11/15/19) | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 203,213, 403, 903 | 192.465, 192.471 |
| 05.03.01 | Cathodic Protection System Testing: Test Stations | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 903 | 192.455a2, (b)(c)(d), 192.457(a)(b), 463, 465, 467d, 473b |
| 05.03.02 | Indirect Inspection – Measure Structure-to Electrolyte Potential | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 903 | 192.455a2, (b)(c)(d), 192.457(a)(b), 463, 465, 467d, 473b |
| 06.01.01 | Indirect Inspection: Close Interval Survey | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 903 | 192.195b |
| 06.01.02 | Indirect Inspection – Direct Current Voltage Gradient (DCVG) Survey | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 903 | 192.195b |
| 06.01.03 | Indirect Inspection: Voltage Gradient (ACVG) Survey | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 903 | 192.620d7, 925 |

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| 06.01.04 | Indirect Inspection: AC Current Attenuation (ACCA or PCM) Survey | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 903 | 192.195b |
| 07.01.01 | Locating, Installing & Protecting Customer Meters & Regulators: Residential & Small Commercial | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | E0405, E0415, E0420, E0425, E0427 | 192.199(c)(f), 353, 355, 357 |
| 07.01.02 | Locating, Installing & Protecting Customer Meters & Regulators: Large Commercial | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | E0405, E0415, E0420, E0425, E0427 | 192.199(c)(f), 353, 355, 357 |
| 07.02.01 | Customer Pressure Regulating, Limiting & Relief Device: Residential & Small Commercial | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 703 | 192.199(c)(f), 353(a)(b)(d), 355(a)(b)(c) |
| 07.02.02 | Customer Pressure Regulating, Limiting & Relief Device: Large Commercial & Industrial | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 703 | 192.199(c)(f), 353(a)(b)(d), 355(a)(b)(c) |
| 08.01.01 | Locating Pipelines | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 204, 232 | 192.614(c)(5) |
| 08.02.01 | Damage Prevention During Excavation Activities | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 204, 215, 220, 232 | 192.614(c)(6)(i)(ii), 935 |
| 09.01.01 | System Patrolling | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 215 | 192.705a, 705c, 721a, 721b |
| 10.01.01 | Plastic Pipe – Electrofusion: Couplings | 1 yr. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:0 | 451, 452, 453 | 192.273(b)(c), 281(a)(c)(3)(4) |
| 10.01.02 | Plastic Pipe – Electrofusion: Sidewall | 1 yr. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:0 | 451, 452, 453 | 192.273(b)(c), 281(a)(c)(3)(4) |

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| 10.02.01 | Plastic Pipe – Butt Heat Fusion | 1 yr. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:0 | 451, 452, 453 | 192.273(b)(c), 281(a)(c)(1)(4) |
| 10.03.01 | Plastic Pipe – Sidewall Heat Fusion | 1 yr. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:0 | 451, 452, 453 | 192.273(b)(c), 281(a)(c)(4) |
| 10.04.01 | Plastic Pipe – Mechanical Joints: Stab Fittings | 1 yr. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:0 | 451, 452, 453 | 192.273b, 273c, 281a, 281c3, 281c4 |
| 10.04.02 | Plastic Pipe – Mechanical Joints: Compression Couplings 2" & Less | 1 yr. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:0 | 451, 452, 453 | 192.273(b)(c), 275(b)(c)(d) |
| 10.04.03 | Plastic Pipe – Mechanical Joints: Compression Couplings Greater Than 2" | 1 yr. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:0 | 451, 452, 453 | 192.273(b)(c), 281(a)(c)(3)(4) |
| 10.05.01 | Joining of Pipe-Flange Assembly | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:3 | 1211, 1403 | 192.147 |
| 10.05.02 | Joining of Pipe/Tubing - Threaded Fittings | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:3 | 1406 | 192.319(a), 361(c)(d), 461(c)(d) |
| 10.06.01 | Reserved for Future Task | | | | | | |
| 10.07.01 | Solvent Cement Joints | 1 yr. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:0 | 451, 452, 453 | 192.281b |
| 11.01.01 | Direct/Inspect In-service Pipeline Lowering | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:0 | 202 | 192.612 |

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|----------|--|---------------------------|---|---|-----------------|---------------------|---|
| 11.02.01 | Direct/Inspect/Mitigate Pipeline Hydrate Formation In Pipeline | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 212 | 192.475, 476, 605b, 620d5, 927 |
| 12.01.01 | Leakage Survey: Walking | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 215 | 192.553(a)(1), 557b2, 703c, 706, 723(b)(1)(2) |
| 12.01.02 | Leakage Survey: Mobile | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 215 | 192.553(a)(1), 557(b)(2), 703(c), 706, 723(b)(1)(2) |
| 12.02.01 | Outside Leakage Investigation, Pinpointing and Grading | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 101, 213, 215, 1900 | 192.615a3i, 703c, 706, 723b |
| 12.03.01 | Inside Gas Leakage Investigation | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 101, 213, 215, 1900 | 192.615a3i, 703c, 706, 723b |
| 13.01.01 | Leak & Strength Test – Service Lines, Mains & Transmission Lines: Gaseous: Test Pressures \leq 100 psi | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:2 | 220, 1600 | 192.503(a)(1)(2), 505(a)(b), 507(a)(b)(1)(2), 509(a), 511(a), 513(a)(b), 555(d)(1), 719(a), 725(a)(b) |
| 13.01.02 | Leak & Strength Test – Service Lines, Mains & Transmission Lines: Gaseous: Test Pressures $>$ 100 psi | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:2 | 220, 1600 | 192.503(a)(1)(2), 505(a)(b), 507(a)(b)(1)(2), 509(a), 511(a), 513(a)(b), 555(d)(1), 719(a), 725(a)(b) |

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| 13.01.03 | Leak & Strength Test – Service Lines, Mains & Transmission Lines: Hydrostatic Test | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:2 | 220, 1600 | 192.503(a)(1)(2), 505(a)(b), 507(a)(b)(1)(2), 509(a), 511(a), 513(a)(b), 555(d)(1), 719(a), 725(a)(b) |
| 13.01.04 | Leak & Strength Test – Service Lines, Mains & Transmission Lines: Test at Operation Pressure | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 220, 1600 | 192.503(a)(1)(2), 505(a)(b), 507(a)(b)(1)(2), 509(a), 511(a), 513(a)(b), 555(d)(1), 719(a), 725(a)(b) |
| 14.01.01 | Abandonment or Inactivation of Facilities - Transmission | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:3 | 225, 226, 1700 | 192.3, 14, 727(b)(c)(g)(1)(2) |
| 14.02.01 | Backfilling | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:3 | C1100 | 192.319b, 361b |
| 14.03.01 | Installation of Steel Pipe – Field Bends | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | C1050 | 192.313(a)(b) |
| 14.04.01 | Casing Vents and Seals | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:3 | 903, C1140 | 192.323(b)(d) |
| 14.05.01 | Underground Clearances | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:3 | 204 | 192.325(a)(b)(c)(d) |
| 14.06.01 | Installation of Plastic Pipe: Direct Burial | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:5 | 451, 452, 453 | 192.311, 321(a)(b)(c)(e)(f)(g)(2), 361(c)(d) |

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|----------|--|---------------------------|---|---|-----------------|--------------------|--|
| 14.06.02 | Installation of Plastic Pipe: Boring | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:2 | 451, 452, 453 | 192.311, 321(a)(b)(c)(e)(f)(g)(2), 361(c)(d) |
| 14.06.03 | Installation of Plastic Pipe: Plowing/Planting | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:2 | C1240 | 192.311, 321(a)(b)(c)(e)(f)(g)(2), 361(c)(d) |
| 14.06.04 | Installation of Plastic Pipe: Plowing/Pull-In | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:2 | 451, 452, 453 | 192.311, 321(a)(b)(c)(e)(f)(g)(2), 361(c)(d) |
| 14.06.05 | Installation of Plastic Pipe: Above Ground | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:3 | 451, 452, 453 | 192.311, 321(a)(b)(c)(e)(f)(g)(2), 361(c)(d) |
| 14.06.06 | Installation of Plastic Pipe: Insertion | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:3 | 109, 451, 452, 453 | 192.59, 63, 283, 311, 321(a)(b)(c)(e), 361(c)(d) |
| 14.07.01 | Installation of Steel Pipe: Direct Burial | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:5 | 109, 204 | 192.319a, 361c, 361d, 461c, 461d, 461e |
| 14.07.02 | Installation of Steel Pipe: Boring | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:2 | 109, 204 | 192.319a, 361c, 361d, 461c, 461d, 461e |
| 14.07.03 | Installation of Steel Pipe: Plowing/Pull-In | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:2 | 109, 204 | 192.319a, 361c, 361d, 461c, 461d, 461e |
| 14.07.04 | Installation of Steel Pipe: Above Ground | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:3 | 109, 204 | 192.319a, 361c, 361d, 461c, 461d, 461e |
| 14.07.05 | Installation of Steel Pipe: Insertion | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:3 | 204, 205 | 192.319a, 361c, 361d, 461c, 461d, 461e |

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| 14.08.01 | Cover – Service Lines, Mains & Transmission Lines | 3 yrs. | Knowledge Test | Knowledge Test | 1:3 | 204, 205 | 192.319l, 327(a)(b)(d)(e)(f)(g), 361(a) |
| 14.08.02 | Cover – Offshore Pipelines | 3 yrs. | Knowledge Test | Knowledge Test | 1:1 | 205 | 192.319l, 327(a)(b)(d)(e)(f)(g), 361(a) |
| 14.09.01 | Inspection: Compliance with Procedures & Standards | 3 yrs. | Knowledge Test | Knowledge Test | 1:2 | 125, 204 | 192.305, 307 |
| 14.09.02 | Inspection: Inspection of Materials | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:2 | 213 | 192.305, 307 |
| 14.10.01 | Line Markers | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:4 | 205 | 192.707 |
| 14.11.02 | Pipeline Shutdown, Startup or Pressure Change: Stopple Fitting | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:2 | 201, 208, 223, 224, 240 | 192.605b5, 615a(6)(9) |
| 14.11.03 | Pipeline Shutdown, Startup or Pressure Change: Operating Identified Valve(s) | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:3 | 201, 208, 223, 240 | 192.605b5, 615a(6)(9) |
| 14.11.04 | Pipeline Shutdown, Startup or Pressure Change: Method(s) Required for Other Pipe Materials | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:2 | 201, 208, 223, 240 | 192.605(b)(5), 615(a)(6)(9) |
| 14.11.05 | Launching and Receiving Internal Devices | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:2 | 235 | 192.605b |
| 14.12.01 | Protection from Hazards | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:3 | 157, 204, 214, 215 | 192.317 |
| 14.13.01 | Protection When Minimum Cover Not Met | 3 yrs. | Knowledge Test | Knowledge Test | 1:3 | 205 | 192.327 |
| 14.14.01 | Purging: Large Volume, i.e. Segment of Main or Transmission Line, etc. | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:3 | 226, 227, 1030 | 192.605b6, 629, 727e |

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| 14.14.02 | Purging: Small Volume, i.e. Service Line, Short Pipeline Segments, Compressor, Component, etc. | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:3 | 226, 227, 1030 | 192.605b6, 629, 727e |
| 14.15.01 | Uprating: Reinforce or Anchor Offsets, Bends and Dead Ends – Longitudinal Straps | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:3 | 204, 213, 402 | 192.557b4 |
| 14.15.02 | Uprating: Reinforce or Anchor Offsets, Bends and Dead Ends – Anchoring & Buttressing | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:3 | 208, 213 | 192.557b4 |
| 14.16.01 | Repair of Imperfections or Damage by Grinding | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 213 | 192.309 |
| 14.17.01 | Reserved for Future Task | | | | | | |
| 14.18.01 | Support, Expansion Joint and Anchor Maintenance – Exposed Pipeline | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:4 | 213 | 192.161c |
| 14.19.01 | Tapping Steel and Plastic Pipe: Manual (Self-Tapping) | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:2 | 224, 402, 403, 405, 406, 451, 453 | 192.627 |
| 14.19.02 | Tapping Steel and Plastic Pipe: Mechanical Tapping Equipment | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:2 | 224, 402, 403, 405, 406, 451, 453 | 192.627 |
| 14.20.01 | DOT Inspection of Valves | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:2 | 301 | 192.745, 747 |
| 14.20.02 | Repair Valves | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:2 | 301, 1700 | 192.179, 181, 709, 745, 747 |

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| 14.20.05 | Lubricate Valves | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:2 | 301 | 192.745, 747 |
| 14.21.01 | Segment Removal | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:5 | 213, 222, 223 | 192.485(a)(b), 487(a)(b), 489(a)(b), 555(b)(2), 557(b)(2)(3), 703(b)(c), 713, 717 |
| 14.22.01 | Leak Clamps & Sleeves: Bolt-On Type | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:2 | 213 | 192.485a, 485b, 489a, 489b, 503a2, 553a2, 555b2, 557b2, 557b3, 703, 713 |
| 14.22.02 | Composite Sleeve Application - ClockSpring® | 1 yr. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:0 | 213 | 192.485a, 485b, 487a, 487b, 489a, 489b, 503a2, 553a2, 555b2, 557b2, 557b3, 703b, 703c, 713, 717, 913a, 913c, 913d1, 913d2 |
| 14.22.03 | Composite Sleeve Application - Armor Plate® (new task effective 10/5/2018) | 1 yr. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:0 | 201, 203, 213, 219, 222, 223, 903 | 192.485(a)(b), 487(a)(b), 489(a)(b), 503(a)(2), 553(b)(2), 555(b)(2), 557(b)(2)(3), 703(b)(c), 713, 717, 933(a)(c)(d1)(d2) |
| 15.01.01 | Odorization – Mains & Transmission Lines: Periodic Sampling | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 1026 | 192.625(a)(b)(f) |

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| No. | Gas Covered Tasks | Requalification Frequency | Initial Qualification Method | Subsequent Qualification Method | Span of Control | O&M Reference | CFR49 Citation |
|------------|---|----------------------------------|---|---|------------------------|--------------------------|-----------------------|
| 15.01.02 | Odorization – Mains & Transmission Lines: Odorizer Maintenance | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:5 | 1026, 1700 | 192.625(a)(b)(f) |
| 16.01.01 | Gas Quality: Operate/Test/Maintain Carbon Dioxide (CO2) Analyzers | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 1700 | 192.475, 477 |
| 16.01.02 | Gas Quality: Maintain/Service Chromatographs | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 1009 | 192.475, 477 |
| 16.01.03 | Gas Quality: Operate/Test/Maintain Oxygen (O2) Analyzers | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 1700 | 192.475, 477 |
| 16.01.04 | Gas Quality: Operate/Test/Maintain Sulfur Analyzers | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 1700 | 192.475, 477 |
| 16.01.05 | Gas Quality: Operate/Test/Maintain Moisture Analyzers | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 1700 | 192.475, 477 |
| 16.01.06 | Reserved for Future Task | | | | | | |
| 16.01.07 | Gas Quality: Operate and Maintain Gas Samplers | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 1222 | 192.475, 477 |
| 16.01.08 | Gas Quality: Troubleshoot/Repair Chromatographs | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 1009 | 192.475, 477 |
| 16.01.09 | Gas Quality: Troubleshoot/Repair Sulfur Analyzers | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | SSPP-1043 | 192.475, 477 |

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| No. | Gas Covered Tasks | Requalification Frequency | Initial Qualification Method | Subsequent Qualification Method | Span of Control | O&M Reference | CFR49 Citation |
|----------|--|---------------------------|---|---|-----------------|---------------------|---|
| 16.01.10 | Gas Quality: Troubleshoot/Repair Moisture Analyzers | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | SSPP-1043 | 192.475, 477 |
| 16.01.11 | Gas Quality: Troubleshoot/Repair Carbon Dioxide (CO2) Analyzers | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | SSPP-1043 | 192.475, 477 |
| 16.01.12 | Gas Quality: Troubleshoot/Repair Oxygen (O2) Analyzers | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | SSPP-1043 | 192.475, 477 |
| 17.01.01 | Reserved for Future Task | | | | | | |
| 18.01.01 | Overpressure Safety Devices - Inspect, Test, and Calibrate Relief Valves | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 228, 310, 703, 1050 | 192.199(c)(g)(f), 201a, 485(a)(b), 553a, 557c, 605(b)(10)(iii), 619(a)(c), 621a, 623(a)(b), 731(a)(b), 739, 741c, 743(a)(c) |
| 18.01.02 | Pressure Limiting Devices - Inspect, Test, and Calibrate | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 703 | 192.181, 195, 199, 201, 619, 620, 621 |
| 18.02.01 | Vault Maintenance | 3 yrs. | Knowledge Test | Knowledge Test | 1:1 | 101, 134, 703 | 192.749(a)(b)(c) |
| 19.01.01 | Reserved for Future Task | | | | | | |
| 20.01.01 | Service Line Replacement | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:3 | | 192.365, 367, 381(c)(d) |
| 20.01.02 | Service Line Replacement: Underground Service Entrance (Prerequisite 20.01.01) | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:3 | | 192.365, 367, 381(c)(d) |
| 20.02.01 | Reserved for Future Task | | | | | | |
| 20.03.01 | Service Lines Not in Use and Service Discontinuance | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 226 | 192.379, 727d |

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| No. | Gas Covered Tasks | Requalification Frequency | Initial Qualification Method | Subsequent Qualification Method | Span of Control | O&M Reference | CFR49 Citation |
|----------|--|---------------------------|---|---|-----------------|--|--|
| 21.01.01 | Reserved for Future Task | | | | | | |
| 22.01.01 | Reserved for Future Task | | | | | | |
| 23.01.01 | Reserved for Future Task | | | | | | |
| 23.02.01 | Reserved for Future Task | | | | | | |
| 24.01.01 | Welding Process | 1 yr. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:0 | 401, 402, 403, 404, 405, 406, 407, 408 | 192.225a, 231, 235, 241(a)(b)(c), 243, 245(a)(b)(c), 309, 719b, 751b |
| 24.01.02 | Installation/Use of Vapor Barriers | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 226, 240 | 192.3, 14, 727b, 727c, 727g |
| 24.02.01 | Visual Inspection of Welds | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 103, 109, 120, 213, 402, 406, 407 | 192.241, 243, 245 |
| 24.03.01 | Nondestructive Testing of Welds | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:0 | 213, 406, 407 | 192.241(a)(b)(c), 243, 245(a)(b)(c), 719b |
| 24.04.01 | Miter Joints | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 401, 402, 407 | 192.233 |
| 25.01.01 | Dehydration: Operate/Maintain Liquid Knock-out | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 1700, I-0801, I-0802, I-0803 | 192.475, 477, 605b7 |
| 25.01.02 | Dehydration: Maintain/Repair Gas Fired Dehydration System Controls | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 1700, I-1011, I-1013 | 192.605b2, 475, 477 |
| 25.01.03 | Dehydration: Operate/Maintain Gas Dehydration System | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 1700, I-1011, I-1013 | 192.605b2, 475, 477 |
| 25.01.04 | Dehydration: Start-up/Shutdown of Dehydration System | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 1700, I-1011, I-1013 | 192.605b2 |

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| No. | Gas Covered Tasks | Requalification Frequency | Initial Qualification Method | Subsequent Qualification Method | Span of Control | O&M Reference | CFR49 Citation |
|------------|--|----------------------------------|---|---|------------------------|--------------------------|-----------------------|
| 25.01.05 | Dehydration: Troubleshoot/Repair Gas Dehydration System | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 1700, I-1011, I-1013 | 192.605b2, 475, 477 |
| 25.01.06 | Gas Treatment: Read/Verify/Maintain Operating Parameters for Gas Processing/Amine System | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 600, 804 | 192.475, 477 |
| 25.01.07 | Gas Treatment: Troubleshoot/Correct Gas Processing/Amine System | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 600, 804 | 192.475, 477 |
| 25.01.08 | Dehydration: Maintain/Repair Gas Fired Mole Sieve Dehydration System Controls | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 600, 804 | 192.475, 477 |
| 25.01.09 | Dehydration: Operate/Maintain Gas Fired Mole Sieve Dehydration System | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 600, 804 | 192.475, 477 |
| 25.01.10 | Dehydration: Start-Up/Shut-Down of Mole Sieve Dehydration System | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 600, 804 | 192.605b2 |
| 25.01.11 | Dehydration: Troubleshoot/Repair Mole Sieve Dehydration System | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 600, 804 | 192.605b2, 475, 477 |
| 27.01.03 | Remote Compressor Station Operations | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 1103 | 192.605b5, 605b7 |
| 27.01.04 | Remote Flow Control | 3 yrs. | Knowledge Test and Performance Evaluation | Knowledge Test and Performance Evaluation | 1:1 | 228, 1104, 1105 | 192.201, 605b5, 619 |