Unit 85614 (139)
Unit 85615 (139)

Inspection Results Report (ALL Non-Empty Results) - Scp_PK Unit 85614

| Row | Assets | Result | (Note 1) | Sub-Group | Qst # | Question ID | References | Question Text |
|---|---|---|---|---|---|---|---|---|
| 1 | (and 2 other assets) | Sat | -2 | DC.COCMP | 1 | DC.COCMP.CMPCOMBUSTIBLE.P | 192.303 (192.735(a), 192.735(b)) | Does the process include requirements for the storage of flammable/combustible materials and specify that aboveground oil or gasoline storage tanks being installed at compressor stations be protected in accordance with NFPA No. 30, as required of 192.735(b)? |
| 2 | (and 2 other assets) | NA | -2 | DC.COCMP | 2 | DC.COCMP.CMPCOMBUSTIBLE.R | 192.735(a) (192.735(b)) | As applicable to the project, are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)? |
| 3 | (and 2 other assets) | NA | -2 | DC.COCMP | 3 | DC.COCMP.CMPCOMBUSTIBLE.O | 192.735(a) (192.735(b)) | Are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)? |
| 4 | (and 2 other assets) | Concern | | DC.COCMP | 4 | DC.COCMP.CMPGASDETECT.P | 192.303 (192.736(a), 192.736(b)) | Does the process specify that compressor buildings have a fixed gas detection and alarm system? |
| 5 | (and 2 other assets) | Sat | | DC.COCMP | 5 | DC.COCMP.CMPGASDETECT.R | 192.736(a) (192.736(b)) | Are gas detection and alarm systems being installed in applicable compressor buildings? |
| 6 | (and 2 other assets) | NA | | DC.COCMP | 6 | DC.COCMP.CMPGASDETECT.O | 192.736(a) (192.736(b)) | Are gas detection and alarm systems installed in applicable compressor buildings? |
| 7 | (and 2 other assets) | Sat | | DC.CO | 14 | DC.CO.SPECS.P | 192.303 | Does the operator have written construction specifications or standards as required of 192.303? |
| 8 | (and 2 other assets) | Sat | | DC.CO | 15 | DC.CO.INSPECT.P | 192.303 (192.305) | Does the process require the pipeline to be inspected to ensure that it is constructed in accordance with Part 192? |
| 9 | (and 2 other assets) | NA | | DC.CO | 16 | DC.CO.INSPECT.R | 192.305 | Do records indicate the pipeline is being inspected to ensure it is constructed in accordance with Part 192? |
| 10 | (and 2 other assets) | NA | | DC.CO | 17 | DC.CO.INSPECT.O | 192.305 | Is the pipeline being inspected to ensure it is constructed in accordance with Part 192? |
| 11 | (and 2 other assets) | Sat | | DC.CO | 18 | DC.CO.INSPECTVISUAL.P | 192.303 (192.307) | Does the process require pipe and other components to be visually inspected prior to installation? |
| 12 | (and 2 other assets) | NA | | DC.CO | 19 | DC.CO.INSPECTVISUAL.R | 192.307 | Do records indicate that pipe and other components were visually inspected prior to installation? |
| 13 | (and 2 other assets) | NA | | DC.CO | 20 | DC.CO.INSPECTVISUAL.O | 192.307 | Are pipe lengths and other pipeline components visually inspected to ensure they are not damaged? |
| 14 | (and 2 other assets) | Concern | | DC.CO | 21 | DC.CO.REPAIR.P | 192.303 (192.309(a), 192.309(b), 192.309(c), 192.309(d), 192.309(e)) | Does the process require repairs to steel pipe, in accordance with 192.309? |
| 15 | (and 2 other assets) | NA | | DC.CO | 22 | DC.CO.REPAIR.R | 192.309(a) (192.309(b), 192.309(c), 192.309(d), 192.309(e)) | Do records demonstrate that repairs to steel pipe are being made in accordance with 192.309? |
| 16 | (and 2 other assets) | NA | | DC.CO | 23 | DC.CO.REPAIR.O | 192.309(a) (192.309(b), 192.309(c), 192.309(d), 192.309(e)) | Are repairs to steel pipe made in accordance with 192.309? |

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| 17 | (and 2 other assets) | Concern | | DC.CO | 27 | DC.CO.FIELDBEND.P | 192.303 (192.313(a), 192.313(b), 192.313(c)) | Does the process require field bends to be made in accordance with 192.313? |
| 18 | (and 2 other assets) | NA | | DC.CO | 28 | DC.CO.FIELDBEND.R | 192.313(a) (192.313(b), 192.313(c)) | Do records indicate that field bends are made in accordance with 192.313? |
| 19 | (and 2 other assets) | NA | | DC.CO | 29 | DC.CO.FIELDBEND.O | 192.313(a) (192.313(b), 192.313(c)) | Are field bends made in accordance with 192.313(a)? |
| 20 | (and 2 other assets) | Sat | | DC.CO | 35 | DC.CO.INSTALL.P | 192.303 (192.319(a), 192.319(b)) | Does the process require that piping be installed such that stresses are minimized and the coating is protected? |
| 21 | (and 2 other assets) | NA | | DC.CO | 36 | DC.CO.INSTALL.O | 192.319(a) (192.319(b)) | When pipe is placed in the ditch, is it installed so as to fit the ditch, minimize stresses, and protect the pipe coating from damage? |
| 22 | (and 2 other assets) | Sat | | DC.CO | 43 | DC.CO.CLEAR.P | 192.303 (192.325(a), 192.325(b), 192.325(c)) | 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? |
| 23 | (and 2 other assets) | NA | | DC.CO | 44 | DC.CO.CLEAR.R | 192.325(a) (192.325(b), 192.325(c)) | Do records indicate pipe is installed with clearances in accordance with 192.325, and (if plastic) installed as to prevent heat damage to the pipe? |
| 24 | (and 2 other assets) | NA | | DC.CO | 45 | DC.CO.CLEAR.O | 192.325(a) (192.325(b), 192.325(c)) | Is pipe installed with clearances in accordance with 192.325, and (if plastic) installed as to prevent heat damage to the pipe? |
| 25 | (and 2 other assets) | Sat | | DC.CO | 48 | DC.CO.COVER.P | 192.303 (192.327(a), 192.327(b), 192.327(c), 192.327(d), 192.327(e)) | Does the process specify that onshore piping is to be installed with a depth of cover as specified in 192.327? |
| 26 | (and 2 other assets) | NA | | DC.CO | 49 | DC.CO.COVER.R | 192.327(a) (192.327(b), 192.327(c), 192.327(d), 192.327(e)) | Is onshore piping minimum cover as specified in 192.327? |
| 27 | (and 2 other assets) | NA | | DC.CO | 50 | DC.CO.COVER.O | 192.327(a) (192.327(b), 192.327(c), 192.327(d), 192.327(e)) | Is onshore piping minimum cover as specified in 192.327? |
| 28 | (and 2 other assets) | NA | | DC.CO | 51 | DC.CO.AMAOPCONST.R | 192.328 (192.328(a), 192.328(b), 192.328(c), 192.328(d), 192.328(e)) | Do records indicate Alternative MAOP replacement facilities/components meet the additional construction requirements of 192.328? |
| 29 | (and 2 other assets) | Sat | | DC.WELDINSP | 1 | DC.WELDINSP.WELDVISUALQUAL.P | 192.303 (192.241(a), 192.241(b), 192.241(c)) | Does the process require visual inspections of welds to be conducted by qualified inspectors? |
| 30 | (and 2 other assets) | NA | | DC.WELDINSP | 2 | DC.WELDINSP.WELDVISUALQUAL.R | 192.241(a) (192.241(b), 192.241(c), 192.807(a), 192.807(b)) | Do records indicate that individuals who perform visual inspection of welding are qualified by appropriate training and experience, as required by 192.241(a)? |
| 31 | (and 2 other assets) | NA | | DC.WELDINSP | 3 | DC.WELDINSP.WELDVISUALQUAL.O | 192.241(a) (192.241(b), 192.241(c), 192.807(b)) | Are individuals who perform visual inspection of welding qualified? |
| 32 | (and 2 other assets) | Sat | | DC.WELDINSP | 4 | DC.WELDINSP.WELDNDT.P | 192.243(a) (192.243(b)(1), 192.243(b)(2), 192.243(c), 192.243(d), 192.243(e).) | Is there a process for nondestructive testing and interpretation? |
| 33 | (and 2 other assets) | NA | | DC.WELDINSP | 5 | DC.WELDINSP.WELDNDT.R | 192.243(a) (192.243(b)(1), 192.243(b)(2), 192.243(c), 192.243(a) Ref to .243(a) seems erroneous here and for subsequent O version.) | Do records indicate that NDT implementation is adequate? |
| 34 | (and 2 other assets) | Sat | | DC.WELDINSP | 6 | DC.WELDINSP.WELDNDT.O | 192.243(a) (192.243(b)(1), 192.243(b)(2), 192.243(c), 192.243(a)) | Are NDT procedures adequate? |
| 35 | (and 2 other assets) | Sat | | DC.WELDINSP | 7 | DC.WELDINSP.WELDREPAIR.P | 192.303 (192.245(a), 192.245(b), 192.245(c)) | Does the process require welds that are unacceptable to be removed and/or repaired as specified by 192.245? |
| 36 | (and 2 other assets) | NA | | DC.WELDINSP | 8 | DC.WELDINSP.WELDREPAIR.R | 192.245(a) (192.245(b), 192.245(c)) | Do records indicate that unacceptable welds are removed and/or repaired? |
| 37 | (and 2 other assets) | NA | | DC.WELDINSP | 9 | DC.WELDINSP.WELDREPAIR.O | 192.245(a) (192.245(b), 192.245(c)) | Are unacceptable welds removed and/or repaired? |
| 38 | (and 2 other assets) | Concern | | DC.WELDERQUAL | 1 | DC.WELDERQUAL.WELDERQUAL.P | 192.227(a) (192.227(b)) | Does the process require welders to be qualified in accordance with 192.227(a)? |

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| 39 | (and 2 other assets) | NA | | DC.WELDERQUAL | 2 | DC.WELDERQUAL.WELDERQUAL.R | 192.227(a) (192.227(b)) | Do records indicate that welders are qualified in accordance with 192.227(a)? |
| 40 | (and 2 other assets) | NA | | DC.WELDERQUAL | 3 | DC.WELDERQUAL.WELDERQUAL.O | 192.227(a) (192.227(b)) | Do welders demonstrate adequate skills and knowledge? |
| 41 | (and 2 other assets) | Sat | | DC.WELDERQUAL | 4 | DC.WELDERQUAL.WELDERLIMITNDT.P | 192.303 (192.229(a), 192.229(b), 192.229(c), 192.229(d)) | Does the process require certain limitations be placed on welders? |
| 42 | (and 2 other assets) | NA | | DC.WELDERQUAL | 5 | DC.WELDERQUAL.WELDERLIMIT229.R | 192.229(a) (192.229(b), 192.229(c), 192.229(d)) | Do records demonstrate that welders were in compliance with the limits of 192.229? |
| 43 | (and 2 other assets) | Sat | | DC.WELDPROCEDURE | 1 | DC.WELDPROCEDURE.WELD.P | 192.225(a) (192.225(b)) | 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? |
| 44 | (and 2 other assets) | Sat | | DC.WELDPROCEDURE | 2 | DC.WELDPROCEDURE.WELD.R | 192.225(a) (192.225(b)) | Do records indicate weld procedures are being qualified in accordance with 192.225? |
| 45 | (and 2 other assets) | NA | | DC.WELDPROCEDURE | 3 | DC.WELDPROCEDURE.WELD.O | 192.225(a) (192.225(b)) | Are weld procedures being qualified in accordance with 192.225? |
| 46 | (and 2 other assets) | Sat | | DC.WELDPROCEDURE | 4 | DC.WELDPROCEDURE.WELDWEATHER.P | 192.303 (192.231) | Does the process require welding to be protected from weather conditions that would impair the quality of the completed weld? |
| 47 | (and 2 other assets) | NA | | DC.WELDPROCEDURE | 5 | DC.WELDPROCEDURE.WELDWEATHER.R | 192.231 | Do records indicate welding operations are protected from certain weather conditions? |
| 48 | (and 2 other assets) | NA | | DC.WELDPROCEDURE | 6 | DC.WELDPROCEDURE.WELDWEATHER.O | 192.231 | Are welding operations are protected from certain weather conditions? |
| 49 | (and 2 other assets) | Sat | | DC.WELDPROCEDURE | 7 | DC.WELDPROCEDURE.MITERJOINT.P | 192.303 (192.233(a), 192.233(b), 192.233(c)) | Does the process prohibit the use of certain miter joints? |
| 50 | (and 2 other assets) | NA | | DC.WELDPROCEDURE | 8 | DC.WELDPROCEDURE.MITERJOINT.R | 192.233(a) (192.233(b), 192.233(c)) | Do records indicate that certain miter joints are removed? |
| 51 | (and 2 other assets) | Sat | | DC.WELDPROCEDURE | 9 | DC.WELDPROCEDURE.WELDPREP.P | 192.303 (192.235) | Does the process require certain preparations for welding, in accordance with 192.235? |
| 52 | (and 2 other assets) | NA | | DC.WELDPROCEDURE | 10 | DC.WELDPROCEDURE.WELDPREP.R | 192.235 | Do records indicate welding preparations made in accordance with 192.235? |
| 53 | (and 2 other assets) | NA | | DC.WELDPROCEDURE | 11 | DC.WELDPROCEDURE.WELDPREP.O | 192.235 | Are welding preparations made in accordance with 192.235? |
| 54 | (and 2 other assets) | Sat | | DC.DP | 1 | DC.DP.DESIGNPRESS105A.P | 192.103 (192.105(a), 192.105(b), 192.107(a), 192.107(b), 192.109(a), 192.109(b), 192.111(a), 192.111(b), 192.111(c), 192.111(d), 192.113, 192.115) | Does the process require the design pressure of steel pipe to be established in accordance with 192.105(a)? |
| 55 | (and 2 other assets) | Sat | | DC.DP | 2 | DC.DP.DESIGNPRESS105A.R | 192.105(a) (192.105(b), 192.107(a), 192.107(b), 192.109(a), 192.109(b), 192.111(a), 192.111(b), 192.111(c), 192.111(d), 192.113, 192.115) | Do design records and drawings indicate the design pressure of steel pipe is established in accordance with 192.105(a)? |
| 56 | (and 2 other assets) | NA | | DC.DP | 3 | DC.DP.AMAOP.R | 192.112(a) (192.112(b), 192.112(c), 192.112(d), 192.112(e), 192.112(f), 192.112(g), 192.112(h)) | Do design records indicate alternative MAOP replacement pipe and components meet the additional design requirements of 192.112? |
| 57 | (and 2 other assets) | Sat | | DC.DPCCMP | 1 | DC.DPCCMP.CMPBLDGLOCATE.P | 192.143 (192.163(a), 192.163(b), 192.163(c), 192.163(d), 192.163(e)) | Does the process require that, as applicable to the project, compressor building locations meet the requirements of 192.163? |
| 58 | (and 2 other assets) | Sat | | DC.DPCCMP | 2 | DC.DPCCMP.CMPBLDGLOCATE.R | 192.163(a) (192.163(b), 192.163(c), 192.163(d), 192.163(e)) | Do design records and installation/construction drawings indicate that, as applicable to the project, compressor building locations meet the requirements of 192.163? |
| 59 | (and 2 other assets) | NA | | DC.DPCCMP | 3 | DC.DPCCMP.CMPBLDGLOCATE.O | 192.141 (192.163(a), 192.163(b), 192.163(c), 192.163(d), 192.163(e)) | Do compressor building locations meet the requirements of 192.163(a)? |

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| 60 | (and 2 other assets) | Sat | | DC.DPCCMP | 4 | DC.DPCCMP.CMPLIQPROT.P | 192.143 (192.165(a), 192.165(b)) | Does the process require that compressors are protected from liquids? |
| 61 | (and 2 other assets) | NA | | DC.DPCCMP | 5 | DC.DPCCMP.CMPLIQPROT.R | 192.165(a) (192.615(b)) | Do records indicate that compressors are protected from liquids? |
| 62 | (and 2 other assets) | NA | | DC.DPCCMP | 6 | DC.DPCCMP.CMPLIQPROT.O | 192.141 (192.165(a), 192.615(b)) | Are compressors protected from liquids and, as applicable, liquid separators for compressors installed, in accordance with 192.165? |
| 63 | (and 2 other assets) | Sat | | DC.DPCCMP | 7 | DC.DPCCMP.CMPESD.P | 192.143(a) (192.143(b), 192.167(a), 192.167(b), 192.167(c)) | Does the process require that compressor station emergency shutdown systems meet the requirements of 192.167(a)? |
| 64 | (and 2 other assets) | NA | | DC.DPCCMP | 8 | DC.DPCCMP.CMPESD.R | 192.167(a) (192.167(b), 192.167(c)) | Do records indicate that compressor station emergency shutdown systems meet the requirements of 192.167(a)? |
| 65 | (and 2 other assets) | NA | | DC.DPCCMP | 9 | DC.DPCCMP.CMPESD.O | 192.141 (192.167(a), 192.167(b), 192.167(c)) | Do compressor station emergency shutdown systems (except for unattended field compressor stations of 1,000 Hp or less) meet the requirements of 192.167(a)? |
| 66 | (and 2 other assets) | Sat | | DC.DPCCMP | 10 | DC.DPCCMP.CMPPRESSLIMIT.P | 192.143(a) (192.143(b), 192.169(a), 192.169(b)) | As applicable to the project, does the process require that compressor stations have pressure relief or other suitable protective devices? |
| 67 | (and 2 other assets) | NA | | DC.DPCCMP | 11 | DC.DPCCMP.CMPPRESSLIMIT.R | 192.169(a) (192.169(b)) | As applicable to the project, do records indicate that compressor stations have pressure relief or other suitable protective devices? |
| 68 | (and 2 other assets) | NA | | DC.DPCCMP | 12 | DC.DPCCMP.CMPPRESSLIMIT.O | 192.141 (192.169(a), 192.169(b)) | As applicable to the project, are pressure relief or other suitable protective devices being installed at compressor stations in accordance with 192.169? |
| 69 | (and 2 other assets) | Sat | | DC.DPCCMP | 13 | DC.DPCCMP.CMPSAFETYEQUIP.P | 192.143(a) (192.143(b), 192.171(a), 192.171(b), 192.171(c), 192.171(d), 192.171(e)) | As applicable to the project, does the process require that additional compressor station safety equipment is in accordance with 192.171? |
| 70 | (and 2 other assets) | NA | | DC.DPCCMP | 14 | DC.DPCCMP.CMPSAFETYEQUIP.R | 192.171(a) (192.171(b), 192.171(c), 192.171(d), 192.171(e)) | As applicable to the project, do records indicate that additional compressor station safety equipment is in accordance with 192.171? |
| 71 | (and 2 other assets) | NA | | DC.DPCCMP | 15 | DC.DPCCMP.CMPSAFETYEQUIP.O | 192.141 (192.171(a), 192.171(b), 192.171(c), 192.171(d), 192.171(e)) | As applicable to the project, is additional compressor station safety equipment in accordance with 192.171? |
| 72 | (and 2 other assets) | Sat | | DC.DPCCMP | 16 | DC.DPCCMP.CMPVENTILATE.P | 192.143(a) (192.143(b), 192.173) | As applicable to the project, does the process require that compressor buildings are ventilated to prevent the accumulation of gas? |
| 73 | (and 2 other assets) | NA | | DC.DPCCMP | 17 | DC.DPCCMP.CMPVENTILATE.R | 192.173 | As applicable to the project, do records indicate that compressor buildings are ventilated to prevent the accumulation of gas? |
| 74 | (and 2 other assets) | NA | | DC.DPCCMP | 18 | DC.DPCCMP.CMPVENTILATE.O | 192.141 (192.173) | As applicable to the project, are compressor buildings ventilated to prevent the accumulation of gas? |
| 75 | (and 2 other assets) | Sat | | DC.DPCOPP | 1 | DC.DPCOPP.OVERPRESSURE.P | 192.143(a) (192.143(b), 192.195(a), 192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h), 192.201(a), 192.201(b), 192.201(c)) | Does the process require the pipeline have pressure relieving or pressure limiting devices that are required of 192.195(a), and that they meet the requirements of 192.199 and 192.201? |
| 76 | (and 2 other assets) | NA | | DC.DPCOPP | 2 | DC.DPCOPP.OVERPRESSURE.R | 192.195(a) (192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h), 192.201(a), 192.201(b), 192.201(c)) | Do records indicate that the pipeline has pressure relieving or pressure limiting devices that are required of 192.195(a), and that they meet the requirements of 192.199 and 192.201? |

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| 77 | (and 2 other assets) | NA | | DC.DPCOPP | 3 | DC.DPCOPP.OVERPRESSURE.O | 192.195(a) (192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h), 192.201(a), 192.201(b), 192.201(c)) | Are required pressure relieving or pressure limiting devices being installed, and do they meet the requirements of 192.199 and 192.201? |
| 78 | (and 2 other assets) | Sat | | DC.DPCOPP | 4 | DC.DPCOPP.PRESSLIMIT.P | 192.143(a) (192.143(b), 192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h)) | Does the process require that pressure relieving or pressure limiting devices meet the requirements of 192.199? |
| 79 | (and 2 other assets) | NA | | DC.DPCOPP | 5 | DC.DPCOPP.PRESSLIMIT.R | 192.199(a) (192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h)) | Do records indicate that pressure relieving or pressure limiting devices meet the requirements of 192.199? |
| 80 | (and 2 other assets) | NA | | DC.DPCOPP | 6 | DC.DPCOPP.PRESSLIMIT.O | 192.199(a) (192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h)) | Do pressure relieving or pressure limiting devices meet the requirements of 192.199? |
| 81 | (and 2 other assets) | Sat | | DC.DPCOPP | 7 | DC.DPCOPP.PRESSLIMITCAP.P | 192.143(a) (192.143(b), 192.201(a), 192.201(b), 192.201(c)) | Does the process require that pressure relief or pressure limiting stations being installed comply with 192.201? |
| 82 | (and 2 other assets) | NA | | DC.DPCOPP | 8 | DC.DPCOPP.PRESSLIMITCAP.R | 192.201(a) (192.201(b), 192.201(c)) | Do records indicate that pressure relief or pressure limiting stations being installed comply with 192.201? |
| 83 | (and 2 other assets) | NA | | DC.DPCOPP | 9 | DC.DPCOPP.PRESSLIMITCAP.O | 192.201(a) (192.201(b), 192.201(c)) | Do pressure relief or pressure limiting stations comply with the requirements of 192.201? |
| 84 | (and 2 other assets) | NA | | DC.DPC | 2 | DC.DPC.VALVE.R | 192.145(a) (192.145(b), 192.145(c), 192.145(d)) | Do records indicate valves comply with the requirements of 192.145? |
| 85 | (and 2 other assets) | NA | | DC.DPC | 3 | DC.DPC.VALVE.O | 192.141 (192.145(a), 192.145(b), 192.145(c), 192.145(d)) | Do valves comply with the requirements of 192.145? |
| 86 | (and 2 other assets) | NA | | DC.DPC | 4 | DC.DPC.FLANGE.R | 192.147(a) (192.147(b), 192.147(c)) | Do records indicate flanges and flange accessories meet the requirements of 192.147? |
| 87 | (and 2 other assets) | NA | | DC.DPC | 5 | DC.DPC.FLANGE.O | 192.141 (192.147(a), 192.147(b), 192.147(c)) | Do flanges and flange accessories meet the requirements of 192.147? |
| 88 | (and 2 other assets) | NA | | DC.DPC | 6 | DC.DPC.STANDARDFITTING.R | 192.149(a) (192.149(b)) | Do records indicate standard fittings are in compliance with 192.149? |
| 89 | (and 2 other assets) | NA | | DC.DPC | 7 | DC.DPC.STANDARDFITTING.O | 192.149(a) (192.149(b)) | Are standard fittings are in compliance with 192.149? |
| 90 | (and 2 other assets) | Sat | | DC.DPC | 17 | DC.DPC.FLEXIBLE.P | 192.143(a) (192.159) | Does the process require pipeline flexibility design to be accordance with 192.159? |
| 91 | (and 2 other assets) | NA | | DC.DPC | 18 | DC.DPC.FLEXIBLE.R | 192.159 | Do records indicate that pipeline flexibility is designed in accordance with 192.159? |
| 92 | (and 2 other assets) | NA | | DC.DPC | 19 | DC.DPC.SUPPORT.R | 192.161(a) (192.161(b), 192.161(c), 192.161(d), 192.161(e), 192.161(f)) | Do records indicate piping and associated equipment have sufficient anchors or supports to prevent undue strain on connected equipment, resist longitudinal forces, and prevent or dampen excessive vibration? |
| 93 | (and 2 other assets) | NA | | DC.DPC | 20 | DC.DPC.SUPPORT.O | 192.141 (192.161(a), 192.161(b), 192.161(c), 192.161(d), 192.161(e), 192.161(f)) | Are anchors and supports being installed as required by 192.161? |
| 94 | (and 2 other assets) | Sat | | DC.DPC | 21 | DC.DPC.VALVESPACE.P | 192.143 (192.179(a), 192.179(a)(1), 192.179(a)(2), 192.179(a)(3), 192.179(a)(4), 192.179(b), 192.179(c), 192.179(d)) | Does the process require transmission line valve spacing to be accordance with 192.179(a)? |
| 95 | (and 2 other assets) | Sat | | DC.DPC | 22 | DC.DPC.VALVESPACE.R | 192.179(a) (192.179(a)(1), 192.179(a)(2), 192.179(a)(3), 192.179(a)(4), 192.179(b), 192.179(c), 192.179(d)) | Do records indicate that transmission line valve spacing is in accordance with 192.179(a)? |
| 96 | (and 2 other assets) | NA | | DC.DPC | 23 | DC.DPC.VALVESPACE.O | 192.141 (192.179(a), 192.179(b), 192.179(c), 192.179(d)) | Are transmission line valves being installed as required of 192.179? |
| 97 | (and 2 other assets) | NA | | DC.DPC | 38 | DC.DPC.VAULTWATER.P | 192.143(a) (192.143(b), 192.189(a), 192.189(b), 192.189(c)) | As applicable to the project, does the process require that underground vaults or pits are protected from water intrusion as required of 192.189? |

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| 98 | (and 2 other assets) | Sat | | DC.DPC | 44 | DC.DPC.INTCORRODE.P | 192.453 (192.476(a), 192.476(b), 192.476(c)) | Does the process require that the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of 192.476? |
| 99 | (and 2 other assets) | NA | | DC.DPC | 45 | DC.DPC.INTCORRODE.R | 192.476(a) (192.476(b), 192.476(c)) | Do records demonstrate the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of 192.476? |
| 100 | (and 2 other assets) | NA | | DC.DPC | 46 | DC.DPC.INTCORRODE.O | 192.476(a) (192.476(b), 192.476(c)) | Does the transmission project's design and construction comply with 192.476? |
| 101 | (and 2 other assets) | NA | | DC.DPC | 47 | DC.DPC.AMAOP.R | 192.620(a) (192.620(b)) | Do records indicate alternative MAOP replacement facilities/components meet the design and test factor requirements listed in 192.620(a)? |
| 102 | (and 2 other assets) | Sat | | DC.MA | 1 | DC.MA.NEWPIPE.P | 192.53(a) (192.53(b), 192.53(c), 192.55(a), 192.55(b), 192.55(c), 192.55(d), 192.55(e)) | Does the process require new steel pipe to be qualified in accordance with 192.55(a)? |
| 103 | (and 2 other assets) | NA | | DC.MA | 2 | DC.MA.NEWPIPE.R | 192.55(a) (192.55(b), 192.55(c), 192.55(d), 192.55(e)) | Do records indicate new steel pipe is qualified in accordance with 192.55(a)? |
| 104 | (and 2 other assets) | NA | | DC.MA | 3 | DC.MA.NEWPIPE.O | 192.55(a) (192.55(b), 192.55(c), 192.55(d), 192.55(e)) | Is new steel pipe observed to be qualified in accordance with 192.55(a)? |
| 105 | (and 2 other assets) | Sat | | DC.MA | 6 | DC.MA.MARKING.P | 192.53(a) (192.53(b), 192.53(c), 192.63(a), 192.63(b), 192.63(c), 192.63(d)) | Does the process require pipe, valves, and fittings to be marked? |
| 106 | (and 2 other assets) | NA | | DC.MA | 7 | DC.MA.MARKING.R | 192.63(a) (192.63(b), 192.63(c), 192.63(d)) | Do records indicate that pipe, valves, and fittings were marked as required? |
| 107 | (and 2 other assets) | NA | | DC.MA | 8 | DC.MA.MARKING.O | 192.63(a) (192.63(b), 192.63(c), 192.63(d)) | Are pipe, valves, and fittings properly marked for identification? |
| 108 | (and 2 other assets) | Sat | | DC.PT | 1 | DC.PT.PRESSTEST.P | 192.605(b) (192.303, 192.503(a), 192.503(b), 192.503(c), 192.503(d)) | Does the process require pressure testing to be conducted for new segments of pipeline, or return to service segments of pipeline that are being relocated or replaced? |
| 109 | (and 2 other assets) | NA | | DC.PT | 2 | DC.PT.PRESSTEST.R | 192.503(a) (192.503(b), 192.503(c), 192.503(d)) | Do records indicate that pressure testing is conducted in accordance with 192.503? |
| 110 | (and 2 other assets) | NA | | DC.PT | 3 | DC.PT.PRESSTEST.O | 192.503(a) (192.503(b), 192.503(c), 192.503(d)) | Is pressure testing conducted in accordance with 192.503? |
| 111 | (and 2 other assets) | Sat | | DC.PT | 4 | DC.PT.PRESSTESTHIGHSTRESS.P | 192.605(b) (192.303, 192.505(a), 192.505(b), 192.505(c), 192.505(d), 192.505(e)) | Does the process require compliance with the requirements of 192.505, when pressure testing steel pipelines to operate at a hoop stress of 30% or more of SMYS? |
| 112 | (and 2 other assets) | NA | | DC.PT | 5 | DC.PT.PRESSTESTHIGHSTRESS.R | 192.517(a) (192.505(a), 192.505(b), 192.505(c), 192.505(d), 192.505(e)) | Is pressure testing conducted in accordance with 192.505? |
| 113 | (and 2 other assets) | NA | | DC.PT | 6 | DC.PT.PRESSTESTHIGHSTRESS.O | 192.505(a) (192.505(b), 192.505(c), 192.505(d), 192.505(e)) | Is pressure testing conducted in accordance with 192.505? |
| 114 | (and 2 other assets) | Sat | -2 | DC.PT | 10 | DC.PT.PRESSTESTENVIRON.P | 192.303 (192.515(a), 192.515(b), 192.605(b)) | Does the process require disposal of the test medium in a manner that will minimize damage to the environment? |
| 115 | (and 2 other assets) | NA | -2 | DC.PT | 11 | DC.PT.PRESSTESTENVIRON.R | 192.517(a) (192.515(a), 192.515(b)) | Do records indicate that pressure testing and medium disposal is conducted in accordance with 192.515? |
| 116 | (and 2 other assets) | NA | -2 | DC.PT | 12 | DC.PT.PRESSTESTENVIRON.O | 192.515(a) (192.515(b)) | Are pressure testing and medium disposal conducted in accordance with 192.515? |
| 117 | (and 2 other assets) | Sat | -2 | DC.PT | 13 | DC.PT.PRESSTESTRECORD.P | 192.303 (192.517(a), 192.605(b)) | Does the process require the creation, and retention for the useful life of the pipeline, a record of each test performed under 192.505 and 192.507? |
| 118 | (and 2 other assets) | NA | -2 | DC.PT | 14 | DC.PT.PRESSTESTRECORD.R | 192.517(a) | As applicable to the project, verify that test records are being made and contain information required by 192.517(a). |

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| 119 | (and 2 other assets) | Sat | -2 | DC.PTLOWPRESS | 7 | DC.PT.PRESSTESTENVIRON.P | 192.303 (192.515(a), 192.515(b), 192.605(b)) | Does the process require disposal of the test medium in a manner that will minimize damage to the environment? |
| 120 | (and 2 other assets) | NA | -2 | DC.PTLOWPRESS | 8 | DC.PT.PRESSTESTENVIRON.R | 192.517(a) (192.515(a), 192.515(b)) | Do records indicate that pressure testing and medium disposal is conducted in accordance with 192.515? |
| 121 | (and 2 other assets) | NA | -2 | DC.PTLOWPRESS | 9 | DC.PT.PRESSTESTENVIRON.O | 192.515(a) (192.515(b)) | Are pressure testing and medium disposal conducted in accordance with 192.515? |
| 122 | (and 2 other assets) | Sat | -2 | DC.PTLOWPRESS | 10 | DC.PT.PRESSTESTRECORD.P | 192.303 (192.517(a), 192.605(b)) | Does the process require the creation, and retention for the useful life of the pipeline, a record of each test performed under 192.505 and 192.507? |
| 123 | (and 2 other assets) | NA | -2 | DC.PTLOWPRESS | 11 | DC.PT.PRESSTESTRECORD.R | 192.517(a) | As applicable to the project, verify that test records are being made and contain information required by 192.517(a). |
| 124 | (and 2 other assets) | Sat | -2 | FS.CS | 17 | DC.COCMP.CMPCOMBUSTIBLE.P | 192.303 (192.735(a), 192.735(b)) | Does the process include requirements for the storage of flammable/combustible materials and specify that aboveground oil or gasoline storage tanks being installed at compressor stations be protected in accordance with NFPA No. 30, as required of 192.735(b)? |
| 125 | (and 2 other assets) | NA | -2 | FS.CS | 18 | DC.COCMP.CMPCOMBUSTIBLE.R | 192.735(a) (192.735(b)) | As applicable to the project, are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)? |
| 126 | (and 2 other assets) | NA | -2 | FS.CS | 19 | DC.COCMP.CMPCOMBUSTIBLE.O | 192.735(a) (192.735(b)) | Are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)? |
| 127 | (and 2 other assets) | NA | -2 | MO.GM | 9 | MO.GM.RECORDS.R | 192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c)) | Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test? |
| 128 | (and 2 other assets) | NA | -2 | MO.GMOPP | 7 | MO.GM.RECORDS.R | 192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c)) | Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test? |
| 129 | (and 2 other assets) | Sat | | TD.CPMONITOR | 14 | TD.CPMONITOR.TESTLEAD.P | 192.605(b)(2) (192.471(a), 192.471(b), 192.471(c), 192.469) | Does the process provide adequate instructions for the installation of test leads? |
| 130 | (and 2 other assets) | Sat | | TD.CPMONITOR | 15 | TD.CPMONITOR.TESTLEAD.R | 192.491(c) (192.471(a), 192.471(b), 192.471(c), 192.469) | Do records document that pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I? |
| 131 | (and 2 other assets) | NA | | TD.CPMONITOR | 16 | TD.CPMONITOR.TESTLEAD.O | 192.471(a) (192.471(b), 192.471(c), 192.469) | Do pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I? |
| 132 | (and 2 other assets) | Sat | | TD.COAT | 1 | TD.COAT.NEWPIPE.P | 192.605(b)(2) (192.455(a)(1), 192.461(a), 192.461(b), 192.483(a)) | Does the process require that each buried or submerged pipeline installed after July 31, 1971, be protected against external corrosion with an adequate coating unless exempted by 192.455(b)? |

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| 133 | (and 2 other assets) | Sat | | TD.COAT | 2 | TD.COAT.NEWPIPE.R | 192.491(c) (192.455(a)(1), 192.461(a), 192.461(b), 192.483(a)) | Do records document that each buried or submerged pipeline installed after July 31, 1971, has been protected against external corrosion with an adequate coating unless exempted under 192.455(b)? |
| 134 | (and 2 other assets) | NA | | TD.COAT | 10 | TD.COAT.COATAPPLY.O | 192.461(a) (192.461(c), 192.461(d), 192.461(e), 192.319(b), 192.483(a)) | Is protective coating adequately applied? |
| 135 | (and 2 other assets) | NA | | TQ.PROT9 | 1 | TQ.PROT9.TASKPERFORMANCE.O | 192.801(a) (192.809(a)) | Verify the qualified individuals performed the observed covered tasks in accordance with the operator's procedures or operator approved contractor procedures. |
| 136 | (and 2 other assets) | NA | | TQ.PROT9 | 2 | TQ.PROT9.QUALIFICATIONSTATUS.O | 192.801(a) (192.809(a)) | Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks. |
| 137 | (and 2 other assets) | NA | | TQ.PROT9 | 3 | TQ.PROT9.AOCRECOG.O | 192.801(a) (192.809(a)) | Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed. |
| 138 | (and 2 other assets) | NA | | TQ.PROT9 | 4 | TQ.PROT9.VERIFYQUAL.O | 192.801(a) (192.809(a)) | Observe in the field (job site, local office, etc.) that the foreman/supervisor/manager has verified the qualification of the individual performing the task, that the qualification records are current, and ensure the personal identification of all individuals performing covered tasks are checked, prior to task performance. |
| 139 | (and 2 other assets) | NA | | TQ.PROT9 | 5 | TQ.PROT9.CORRECTION.O | 192.801(a) (192.809(a)) | Have potential issues identified by the OQ plan inspection process been corrected at the operational level? |

Inspection Results Report (ALL Non-Empty Results) - Scp_PK Unit 85615

| Row | Assets | Result | (Note 1) | Sub-Group | Qst # | Question ID | References | Question Text |
|---|---|---|---|---|---|---|---|---|
| 1 | (and 2 other assets) | Sat | -2 | DC.COCMP | 1 | DC.COCMP.CMPCOMBUSTIBLE.P | 192.303 (192.735(a), 192.735(b)) | Does the process include requirements for the storage of flammable/combustible materials and specify that aboveground oil or gasoline storage tanks being installed at compressor stations be protected in accordance with NFPA No. 30, as required of 192.735(b)? |
| 2 | (and 2 other assets) | NA | -2 | DC.COCMP | 2 | DC.COCMP.CMPCOMBUSTIBLE.R | 192.735(a) (192.735(b)) | As applicable to the project, are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)? |
| 3 | (and 2 other assets) | NA | -2 | DC.COCMP | 3 | DC.COCMP.CMPCOMBUSTIBLE.O | 192.735(a) (192.735(b)) | Are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)? |
| 4 | (and 2 other assets) | Concern | | DC.COCMP | 4 | DC.COCMP.CMPGASDETECT.P | 192.303 (192.736(a), 192.736(b)) | Does the process specify that compressor buildings have a fixed gas detection and alarm system? |
| 5 | (and 2 other assets) | Sat | | DC.COCMP | 5 | DC.COCMP.CMPGASDETECT.R | 192.736(a) (192.736(b)) | Are gas detection and alarm systems being installed in applicable compressor buildings? |
| 6 | (and 2 other assets) | NA | | DC.COCMP | 6 | DC.COCMP.CMPGASDETECT.O | 192.736(a) (192.736(b)) | Are gas detection and alarm systems installed in applicable compressor buildings? |
| 7 | (and 2 other assets) | Sat | | DC.CO | 14 | DC.CO.SPECS.P | 192.303 | Does the operator have written construction specifications or standards as required of 192.303? |

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| 8 | (and 2 other assets) | Sat | | DC.CO | 15 | DC.CO.INSPECT.P | 192.303 (192.305) | Does the process require the pipeline to be inspected to ensure that it is constructed in accordance with Part 192? |
| 9 | (and 2 other assets) | NA | | DC.CO | 16 | DC.CO.INSPECT.R | 192.305 | Do records indicate the pipeline is being inspected to ensure it is constructed in accordance with Part 192? |
| 10 | (and 2 other assets) | NA | | DC.CO | 17 | DC.CO.INSPECT.O | 192.305 | Is the pipeline being inspected to ensure it is constructed in accordance with Part 192? |
| 11 | (and 2 other assets) | Sat | | DC.CO | 18 | DC.CO.INSPECTVISUAL.P | 192.303 (192.307) | Does the process require pipe and other components to be visually inspected prior to installation? |
| 12 | (and 2 other assets) | NA | | DC.CO | 19 | DC.CO.INSPECTVISUAL.R | 192.307 | Do records indicate that pipe and other components were visually inspected prior to installation? |
| 13 | (and 2 other assets) | NA | | DC.CO | 20 | DC.CO.INSPECTVISUAL.O | 192.307 | Are pipe lengths and other pipeline components visually inspected to ensure they are not damaged? |
| 14 | (and 2 other assets) | Concern | | DC.CO | 21 | DC.CO.REPAIR.P | 192.303 (192.309(a), 192.309(b), 192.309(c), 192.309(d), 192.309(e)) | Does the process require repairs to steel pipe, in accordance with 192.309? |
| 15 | (and 2 other assets) | NA | | DC.CO | 22 | DC.CO.REPAIR.R | 192.309(a) (192.309(b), 192.309(c), 192.309(d), 192.309(e)) | Do records demonstrate that repairs to steel pipe are being made in accordance with 192.309? |
| 16 | (and 2 other assets) | NA | | DC.CO | 23 | DC.CO.REPAIR.O | 192.309(a) (192.309(b), 192.309(c), 192.309(d), 192.309(e)) | Are repairs to steel pipe made in accordance with 192.309? |
| 17 | (and 2 other assets) | Concern | | DC.CO | 27 | DC.CO.FIELDBEND.P | 192.303 (192.313(a), 192.313(b), 192.313(c)) | Does the process require field bends to be made in accordance with 192.313? |
| 18 | (and 2 other assets) | NA | | DC.CO | 28 | DC.CO.FIELDBEND.R | 192.313(a) (192.313(b), 192.313(c)) | Do records indicate that field bends are made in accordance with 192.313? |
| 19 | (and 2 other assets) | NA | | DC.CO | 29 | DC.CO.FIELDBEND.O | 192.313(a) (192.313(b), 192.313(c)) | Are field bends made in accordance with 192.313(a)? |
| 20 | (and 2 other assets) | Sat | | DC.CO | 35 | DC.CO.INSTALL.P | 192.303 (192.319(a), 192.319(b)) | Does the process require that piping be installed such that stresses are minimized and the coating is protected? |
| 21 | (and 2 other assets) | NA | | DC.CO | 36 | DC.CO.INSTALL.O | 192.319(a) (192.319(b)) | When pipe is placed in the ditch, is it installed so as to fit the ditch, minimize stresses, and protect the pipe coating from damage? |
| 22 | (and 2 other assets) | Sat | | DC.CO | 43 | DC.CO.CLEAR.P | 192.303 (192.325(a), 192.325(b), 192.325(c)) | 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? |
| 23 | (and 2 other assets) | NA | | DC.CO | 44 | DC.CO.CLEAR.R | 192.325(a) (192.325(b), 192.325(c)) | Do records indicate pipe is installed with clearances in accordance with 192.325, and (if plastic) installed as to prevent heat damage to the pipe? |
| 24 | (and 2 other assets) | NA | | DC.CO | 45 | DC.CO.CLEAR.O | 192.325(a) (192.325(b), 192.325(c)) | Is pipe installed with clearances in accordance with 192.325, and (if plastic) installed as to prevent heat damage to the pipe? |
| 25 | (and 2 other assets) | Sat | | DC.CO | 48 | DC.CO.COVER.P | 192.303 (192.327(a), 192.327(b), 192.327(c), 192.327(d), 192.327(e)) | Does the process specify that onshore piping is to be installed with a depth of cover as specified in 192.327? |
| 26 | (and 2 other assets) | NA | | DC.CO | 49 | DC.CO.COVER.R | 192.327(a) (192.327(b), 192.327(c), 192.327(d), 192.327(e)) | Is onshore piping minimum cover as specified in 192.327? |
| 27 | (and 2 other assets) | NA | | DC.CO | 50 | DC.CO.COVER.O | 192.327(a) (192.327(b), 192.327(c), 192.327(d), 192.327(e)) | Is onshore piping minimum cover as specified in 192.327? |
| 28 | (and 2 other assets) | NA | | DC.CO | 51 | DC.CO.AMAOPCONST.R | 192.328 (192.328(a), 192.328(b), 192.328(c), 192.328(d), 192.328(e)) | Do records indicate Alternative MAOP replacement facilities/components meet the additional construction requirements of 192.328? |
| 29 | (and 2 other assets) | Sat | | DC.WELDINSP | 1 | DC.WELDINSP.WELDVISUALQUAL.P | 192.303 (192.241(a), 192.241(b), 192.241(c)) | Does the process require visual inspections of welds to be conducted by qualified inspectors? |

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| 30 | (and 2 other assets) | NA | | DC.WELDINSP | 2 | DC.WELDINSP.WELDVISUALQUAL.R | 192.241(a) (192.241(b), 192.241(c), 192.807(a), 192.807(b)) | Do records indicate that individuals who perform visual inspection of welding are qualified by appropriate training and experience, as required by 192.241(a)? |
| 31 | (and 2 other assets) | NA | | DC.WELDINSP | 3 | DC.WELDINSP.WELDVISUALQUAL.O | 192.241(a) (192.241(b), 192.241(c), 192.807(b)) | Are individuals who perform visual inspection of welding qualified? |
| 32 | (and 2 other assets) | Sat | | DC.WELDINSP | 4 | DC.WELDINSP.WELDNDT.P | 192.243(a) (192.243(b)(1), 192.243(b)(2), 192.243(c), 192.243(d), 192.243(e).) | Is there a process for nondestructive testing and interpretation? |
| 33 | (and 2 other assets) | NA | | DC.WELDINSP | 5 | DC.WELDINSP.WELDNDT.R | 192.243(a) (192.243(b)(1), 192.243(b)(2), 192.243(c), 192.243(a) Ref to .243(a) seems erroneous here and for subsequent O version.) | Do records indicate that NDT implementation is adequate? |
| 34 | (and 2 other assets) | Sat | | DC.WELDINSP | 6 | DC.WELDINSP.WELDNDT.O | 192.243(a) (192.243(b)(1), 192.243(b)(2), 192.243(c), 192.243(a)) | Are NDT procedures adequate? |
| 35 | (and 2 other assets) | Sat | | DC.WELDINSP | 7 | DC.WELDINSP.WELDREPAIR.P | 192.303 (192.245(a), 192.245(b), 192.245(c)) | Does the process require welds that are unacceptable to be removed and/or repaired as specified by 192.245? |
| 36 | (and 2 other assets) | NA | | DC.WELDINSP | 8 | DC.WELDINSP.WELDREPAIR.R | 192.245(a) (192.245(b), 192.245(c)) | Do records indicate that unacceptable welds are removed and/or repaired? |
| 37 | (and 2 other assets) | NA | | DC.WELDINSP | 9 | DC.WELDINSP.WELDREPAIR.O | 192.245(a) (192.245(b), 192.245(c)) | Are unacceptable welds removed and/or repaired? |
| 38 | (and 2 other assets) | Concern | | DC.WELDERQUAL | 1 | DC.WELDERQUAL.WELDERQUAL.P | 192.227(a) (192.227(b)) | Does the process require welders to be qualified in accordance with 192.227(a)? |
| 39 | (and 2 other assets) | NA | | DC.WELDERQUAL | 2 | DC.WELDERQUAL.WELDERQUAL.R | 192.227(a) (192.227(b)) | Do records indicate that welders are qualified in accordance with 192.227(a)? |
| 40 | (and 2 other assets) | NA | | DC.WELDERQUAL | 3 | DC.WELDERQUAL.WELDERQUAL.O | 192.227(a) (192.227(b)) | Do welders demonstrate adequate skills and knowledge? |
| 41 | (and 2 other assets) | Sat | | DC.WELDERQUAL | 4 | DC.WELDERQUAL.WELDERLIMITNDT.P | 192.303 (192.229(a), 192.229(b), 192.229(c), 192.229(d)) | Does the process require certain limitations be placed on welders? |
| 42 | (and 2 other assets) | NA | | DC.WELDERQUAL | 5 | DC.WELDERQUAL.WELDERLIMIT229.R | 192.229(a) (192.229(b), 192.229(c), 192.229(d)) | Do records demonstrate that welders were in compliance with the limits of 192.229? |
| 43 | (and 2 other assets) | Sat | | DC.WELDPROCEDURE | 1 | DC.WELDPROCEDURE.WELD.P | 192.225(a) (192.225(b)) | 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? |
| 44 | (and 2 other assets) | Sat | | DC.WELDPROCEDURE | 2 | DC.WELDPROCEDURE.WELD.R | 192.225(a) (192.225(b)) | Do records indicate weld procedures are being qualified in accordance with 192.225? |
| 45 | (and 2 other assets) | NA | | DC.WELDPROCEDURE | 3 | DC.WELDPROCEDURE.WELD.O | 192.225(a) (192.225(b)) | Are weld procedures being qualified in accordance with 192.225? |
| 46 | (and 2 other assets) | Sat | | DC.WELDPROCEDURE | 4 | DC.WELDPROCEDURE.WELDWEATHER.P | 192.303 (192.231) | Does the process require welding to be protected from weather conditions that would impair the quality of the completed weld? |
| 47 | (and 2 other assets) | NA | | DC.WELDPROCEDURE | 5 | DC.WELDPROCEDURE.WELDWEATHER.R | 192.231 | Do records indicate welding operations are protected from certain weather conditions? |
| 48 | (and 2 other assets) | NA | | DC.WELDPROCEDURE | 6 | DC.WELDPROCEDURE.WELDWEATHER.O | 192.231 | Are welding operations are protected from certain weather conditions? |
| 49 | (and 2 other assets) | Sat | | DC.WELDPROCEDURE | 7 | DC.WELDPROCEDURE.MITERJOINT.P | 192.303 (192.233(a), 192.233(b), 192.233(c)) | Does the process prohibit the use of certain miter joints? |
| 50 | (and 2 other assets) | NA | | DC.WELDPROCEDURE | 8 | DC.WELDPROCEDURE.MITERJOINT.R | 192.233(a) (192.233(b), 192.233(c)) | Do records indicate that certain miter joints are removed? |
| 51 | (and 2 other assets) | Sat | | DC.WELDPROCEDURE | 9 | DC.WELDPROCEDURE.WELDPREP.P | 192.303 (192.235) | Does the process require certain preparations for welding, in accordance with 192.235? |
| 52 | (and 2 other assets) | NA | | DC.WELDPROCEDURE | 10 | DC.WELDPROCEDURE.WELDPREP.R | 192.235 | Do records indicate welding preparations made in accordance with 192.235? |
| 53 | (and 2 other assets) | NA | | DC.WELDPROCEDURE | 11 | DC.WELDPROCEDURE.WELDPREP.O | 192.235 | Are welding preparations made in accordance with 192.235? |

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| 54 | (and 2 other assets) | Sat | | DC.DP | 1 | DC.DP.DESIGNPRESS105A.P | 192.103 (192.105(a), 192.105(b), 192.107(a), 192.107(b), 192.109(a), 192.109(b), 192.111(a), 192.111(b), 192.111(c), 192.111(d), 192.113, 192.115) | Does the process require the design pressure of steel pipe to be established in accordance with 192.105(a)? |
| 55 | (and 2 other assets) | Sat | | DC.DP | 2 | DC.DP.DESIGNPRESS105A.R | 192.105(a) (192.105(b), 192.107(a), 192.107(b), 192.109(a), 192.109(b), 192.111(a), 192.111(b), 192.111(c), 192.111(d), 192.113, 192.115) | Do design records and drawings indicate the design pressure of steel pipe is established in accordance with 192.105(a)? |
| 56 | (and 2 other assets) | NA | | DC.DP | 3 | DC.DP.AMAOP.R | 192.112(a) (192.112(b), 192.112(c), 192.112(d), 192.112(e), 192.112(f), 192.112(g), 192.112(h)) | Do design records indicate alternative MAOP replacement pipe and components meet the additional design requirements of 192.112? |
| 57 | (and 2 other assets) | Sat | | DC.DPCCMP | 1 | DC.DPCCMP.CMPBLDGLOCATE.P | 192.143 (192.163(a), 192.163(b), 192.163(c), 192.163(d), 192.163(e)) | Does the process require that, as applicable to the project, compressor building locations meet the requirements of 192.163? |
| 58 | (and 2 other assets) | Sat | | DC.DPCCMP | 2 | DC.DPCCMP.CMPBLDGLOCATE.R | 192.163(a) (192.163(b), 192.163(c), 192.163(d), 192.163(e)) | Do design records and installation/construction drawings indicate that, as applicable to the project, compressor building locations meet the requirements of 192.163? |
| 59 | (and 2 other assets) | NA | | DC.DPCCMP | 3 | DC.DPCCMP.CMPBLDGLOCATE.O | 192.141 (192.163(a), 192.163(b), 192.163(c), 192.163(d), 192.163(e)) | Do compressor building locations meet the requirements of 192.163(a)? |
| 60 | (and 2 other assets) | Sat | | DC.DPCCMP | 4 | DC.DPCCMP.CMPLIQPROT.P | 192.143 (192.165(a), 192.165(b)) | Does the process require that compressors are protected from liquids? |
| 61 | (and 2 other assets) | NA | | DC.DPCCMP | 5 | DC.DPCCMP.CMPLIQPROT.R | 192.165(a) (192.615(b)) | Do records indicate that compressors are protected from liquids? |
| 62 | (and 2 other assets) | NA | | DC.DPCCMP | 6 | DC.DPCCMP.CMPLIQPROT.O | 192.141 (192.165(a), 192.615(b)) | Are compressors protected from liquids and, as applicable, liquid separators for compressors installed, in accordance with 192.165? |
| 63 | (and 2 other assets) | Sat | | DC.DPCCMP | 7 | DC.DPCCMP.CMPESD.P | 192.143(a) (192.143(b), 192.167(a), 192.167(b), 192.167(c)) | Does the process require that compressor station emergency shutdown systems meet the requirements of 192.167(a)? |
| 64 | (and 2 other assets) | NA | | DC.DPCCMP | 8 | DC.DPCCMP.CMPESD.R | 192.167(a) (192.167(b), 192.167(c)) | Do records indicate that compressor station emergency shutdown systems meet the requirements of 192.167(a)? |
| 65 | (and 2 other assets) | NA | | DC.DPCCMP | 9 | DC.DPCCMP.CMPESD.O | 192.141 (192.167(a), 192.167(b), 192.167(c)) | Do compressor station emergency shutdown systems (except for unattended field compressor stations of 1,000 Hp or less) meet the requirements of 192.167(a)? |
| 66 | (and 2 other assets) | Sat | | DC.DPCCMP | 10 | DC.DPCCMP.CMPPRESSLIMIT.P | 192.143(a) (192.143(b), 192.169(a), 192.169(b)) | As applicable to the project, does the process require that compressor stations have pressure relief or other suitable protective devices? |
| 67 | (and 2 other assets) | NA | | DC.DPCCMP | 11 | DC.DPCCMP.CMPPRESSLIMIT.R | 192.169(a) (192.169(b)) | As applicable to the project, do records indicate that compressor stations have pressure relief or other suitable protective devices? |
| 68 | (and 2 other assets) | NA | | DC.DPCCMP | 12 | DC.DPCCMP.CMPPRESSLIMIT.O | 192.141 (192.169(a), 192.169(b)) | As applicable to the project, are pressure relief or other suitable protective devices being installed at compressor stations in accordance with 192.169? |
| 69 | (and 2 other assets) | Sat | | DC.DPCCMP | 13 | DC.DPCCMP.CMPSAFETYEQUIP.P | 192.143(a) (192.143(b), 192.171(a), 192.171(b), 192.171(c), 192.171(d), 192.171(e)) | As applicable to the project, does the process require that additional compressor station safety equipment is in accordance with 192.171? |
| 70 | (and 2 other assets) | NA | | DC.DPCCMP | 14 | DC.DPCCMP.CMPSAFETYEQUIP.R | 192.171(a) (192.171(b), 192.171(c), 192.171(d), 192.171(e)) | As applicable to the project, do records indicate that additional compressor station safety equipment is in accordance with 192.171? |

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|---|---|---|---|---|---|---|---|---|
| 71 | (and 2 other assets) | NA | | DC.DPCCMP | 15 | DC.DPCCMP.CMPSAFETYEQUIP.O | 192.141 (192.171(a), 192.171(b), 192.171(c), 192.171(d), 192.171(e)) | As applicable to the project, is additional compressor station safety equipment in accordance with 192.171? |
| 72 | (and 2 other assets) | Sat | | DC.DPCCMP | 16 | DC.DPCCMP.CMPVENTILATE.P | 192.143(a) (192.143(b), 192.173) | As applicable to the project, does the process require that compressor buildings are ventilated to prevent the accumulation of gas? |
| 73 | (and 2 other assets) | NA | | DC.DPCCMP | 17 | DC.DPCCMP.CMPVENTILATE.R | 192.173 | As applicable to the project, do records indicate that compressor buildings are ventilated to prevent the accumulation of gas? |
| 74 | (and 2 other assets) | NA | | DC.DPCCMP | 18 | DC.DPCCMP.CMPVENTILATE.O | 192.141 (192.173) | As applicable to the project, are compressor buildings ventilated to prevent the accumulation of gas? |
| 75 | (and 2 other assets) | Sat | | DC.DPCOPP | 1 | DC.DPCOPP.OVERPRESSURE.P | 192.143(a) (192.143(b), 192.195(a), 192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h), 192.201(a), 192.201(b), 192.201(c)) | Does the process require the pipeline have pressure relieving or pressure limiting devices that are required of 192.195(a), and that they meet the requirements of 192.199 and 192.201? |
| 76 | (and 2 other assets) | NA | | DC.DPCOPP | 2 | DC.DPCOPP.OVERPRESSURE.R | 192.195(a) (192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h), 192.201(a), 192.201(b), 192.201(c)) | Do records indicate that the pipeline has pressure relieving or pressure limiting devices that are required of 192.195(a), and that they meet the requirements of 192.199 and 192.201? |
| 77 | (and 2 other assets) | NA | | DC.DPCOPP | 3 | DC.DPCOPP.OVERPRESSURE.O | 192.195(a) (192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h), 192.201(a), 192.201(b), 192.201(c)) | Are required pressure relieving or pressure limiting devices being installed, and do they meet the requirements of 192.199 and 192.201? |
| 78 | (and 2 other assets) | Sat | | DC.DPCOPP | 4 | DC.DPCOPP.PRESSLIMIT.P | 192.143(a) (192.143(b), 192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h)) | Does the process require that pressure relieving or pressure limiting devices meet the requirements of 192.199? |
| 79 | (and 2 other assets) | NA | | DC.DPCOPP | 5 | DC.DPCOPP.PRESSLIMIT.R | 192.199(a) (192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h)) | Do records indicate that pressure relieving or pressure limiting devices meet the requirements of 192.199? |
| 80 | (and 2 other assets) | NA | | DC.DPCOPP | 6 | DC.DPCOPP.PRESSLIMIT.O | 192.199(a) (192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h)) | Do pressure relieving or pressure limiting devices meet the requirements of 192.199? |
| 81 | (and 2 other assets) | Sat | | DC.DPCOPP | 7 | DC.DPCOPP.PRESSLIMITCAP.P | 192.143(a) (192.143(b), 192.201(a), 192.201(b), 192.201(c)) | Does the process require that pressure relief or pressure limiting stations being installed comply with 192.201? |
| 82 | (and 2 other assets) | NA | | DC.DPCOPP | 8 | DC.DPCOPP.PRESSLIMITCAP.R | 192.201(a) (192.201(b), 192.201(c)) | Do records indicate that pressure relief or pressure limiting stations being installed comply with 192.201? |
| 83 | (and 2 other assets) | NA | | DC.DPCOPP | 9 | DC.DPCOPP.PRESSLIMITCAP.O | 192.201(a) (192.201(b), 192.201(c)) | Do pressure relief or pressure limiting stations comply with the requirements of 192.201? |
| 84 | (and 2 other assets) | NA | | DC.DPC | 2 | DC.DPC.VALVE.R | 192.145(a) (192.145(b), 192.145(c), 192.145(d)) | Do records indicate valves comply with the requirements of 192.145? |
| 85 | (and 2 other assets) | NA | | DC.DPC | 3 | DC.DPC.VALVE.O | 192.141 (192.145(a), 192.145(b), 192.145(c), 192.145(d)) | Do valves comply with the requirements of 192.145? |
| 86 | (and 2 other assets) | NA | | DC.DPC | 4 | DC.DPC.FLANGE.R | 192.147(a) (192.147(b), 192.147(c)) | Do records indicate flanges and flange accessories meet the requirements of 192.147? |
| 87 | (and 2 other assets) | NA | | DC.DPC | 5 | DC.DPC.FLANGE.O | 192.141 (192.147(a), 192.147(b), 192.147(c)) | Do flanges and flange accessories meet the requirements of 192.147? |
| 88 | (and 2 other assets) | NA | | DC.DPC | 6 | DC.DPC.STANDARDFITTING.R | 192.149(a) (192.149(b)) | Do records indicate standard fittings are in compliance with 192.149? |
| 89 | (and 2 other assets) | NA | | DC.DPC | 7 | DC.DPC.STANDARDFITTING.O | 192.149(a) (192.149(b)) | Are standard fittings are in compliance with 192.149? |
| 90 | (and 2 other assets) | Sat | | DC.DPC | 17 | DC.DPC.FLEXIBLE.P | 192.143(a) (192.159) | Does the process require pipeline flexibility design to be accordance with 192.159? |

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|---|---|---|---|---|---|---|---|---|
| 91 | (and 2 other assets) | NA | | DC.DPC | 18 | DC.DPC.FLEXIBLE.R | 192.159 | Do records indicate that pipeline flexibility is designed in accordance with 192.159? |
| 92 | (and 2 other assets) | NA | | DC.DPC | 19 | DC.DPC.SUPPORT.R | 192.161(a) (192.161(b), 192.161(c), 192.161(d), 192.161(e), 192.161(f)) | Do records indicate piping and associated equipment have sufficient anchors or supports to prevent undue strain on connected equipment, resist longitudinal forces, and prevent or dampen excessive vibration? |
| 93 | (and 2 other assets) | NA | | DC.DPC | 20 | DC.DPC.SUPPORT.O | 192.141 (192.161(a), 192.161(b), 192.161(c), 192.161(d), 192.161(e), 192.161(f)) | Are anchors and supports being installed as required by 192.161? |
| 94 | (and 2 other assets) | Sat | | DC.DPC | 21 | DC.DPC.VALVESPACE.P | 192.143 (192.179(a), 192.179(a)(1), 192.179(a)(2), 192.179(a)(3), 192.179(a)(4), 192.179(b), 192.179(c), 192.179(d)) | Does the process require transmission line valve spacing to be accordance with 192.179(a)? |
| 95 | (and 2 other assets) | Sat | | DC.DPC | 22 | DC.DPC.VALVESPACE.R | 192.179(a) (192.179(a)(1), 192.179(a)(2), 192.179(a)(3), 192.179(a)(4), 192.179(b), 192.179(c), 192.179(d)) | Do records indicate that transmission line valve spacing is in accordance with 192.179(a)? |
| 96 | (and 2 other assets) | NA | | DC.DPC | 23 | DC.DPC.VALVESPACE.O | 192.141 (192.179(a), 192.179(b), 192.179(c), 192.179(d)) | Are transmission line valves being installed as required of 192.179? |
| 97 | (and 2 other assets) | NA | | DC.DPC | 38 | DC.DPC.VAULTWATER.P | 192.143(a) (192.143(b), 192.189(a), 192.189(b), 192.189(c)) | As applicable to the project, does the process require that underground vaults or pits are protected from water intrusion as required of 192.189? |
| 98 | (and 2 other assets) | Sat | | DC.DPC | 44 | DC.DPC.INTCORRODE.P | 192.453 (192.476(a), 192.476(b), 192.476(c)) | Does the process require that the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of 192.476? |
| 99 | (and 2 other assets) | NA | | DC.DPC | 45 | DC.DPC.INTCORRODE.R | 192.476(a) (192.476(b), 192.476(c)) | Do records demonstrate the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of 192.476? |
| 100 | (and 2 other assets) | NA | | DC.DPC | 46 | DC.DPC.INTCORRODE.O | 192.476(a) (192.476(b), 192.476(c)) | Does the transmission project's design and construction comply with 192.476? |
| 101 | (and 2 other assets) | NA | | DC.DPC | 47 | DC.DPC.AMAOP.R | 192.620(a) (192.620(b)) | Do records indicate alternative MAOP replacement facilities/components meet the design and test factor requirements listed in 192.620(a)? |
| 102 | (and 2 other assets) | Sat | | DC.MA | 1 | DC.MA.NEWPIPE.P | 192.53(a) (192.53(b), 192.53(c), 192.55(a), 192.55(b), 192.55(c), 192.55(d), 192.55(e)) | Does the process require new steel pipe to be qualified in accordance with 192.55(a)? |
| 103 | (and 2 other assets) | NA | | DC.MA | 2 | DC.MA.NEWPIPE.R | 192.55(a) (192.55(b), 192.55(c), 192.55(d), 192.55(e)) | Do records indicate new steel pipe is qualified in accordance with 192.55(a)? |
| 104 | (and 2 other assets) | NA | | DC.MA | 3 | DC.MA.NEWPIPE.O | 192.55(a) (192.55(b), 192.55(c), 192.55(d), 192.55(e)) | Is new steel pipe observed to be qualified in accordance with 192.55(a)? |
| 105 | (and 2 other assets) | Sat | | DC.MA | 6 | DC.MA.MARKING.P | 192.53(a) (192.53(b), 192.53(c), 192.63(a), 192.63(b), 192.63(c), 192.63(d)) | Does the process require pipe, valves, and fittings to be marked? |
| 106 | (and 2 other assets) | NA | | DC.MA | 7 | DC.MA.MARKING.R | 192.63(a) (192.63(b), 192.63(c), 192.63(d)) | Do records indicate that pipe, valves, and fittings were marked as required? |
| 107 | (and 2 other assets) | NA | | DC.MA | 8 | DC.MA.MARKING.O | 192.63(a) (192.63(b), 192.63(c), 192.63(d)) | Are pipe, valves, and fittings properly marked for identification? |
| 108 | (and 2 other assets) | Sat | | DC.PT | 1 | DC.PT.PRESSTEST.P | 192.605(b) (192.303, 192.503(a), 192.503(b), 192.503(c), 192.503(d)) | Does the process require pressure testing to be conducted for new segments of pipeline, or return to service segments of pipeline that are being relocated or replaced? |
| 109 | (and 2 other assets) | NA | | DC.PT | 2 | DC.PT.PRESSTEST.R | 192.503(a) (192.503(b), 192.503(c), 192.503(d)) | Do records indicate that pressure testing is conducted in accordance with 192.503? |
| 110 | (and 2 other assets) | NA | | DC.PT | 3 | DC.PT.PRESSTEST.O | 192.503(a) (192.503(b), 192.503(c), 192.503(d)) | Is pressure testing conducted in accordance with 192.503? |

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| 111 | (and 2 other assets) | Sat | | DC.PT | 4 | DC.PT.PRESSTESTHIGHSTRESS.P | 192.605(b) (192.303, 192.505(a), 192.505(b), 192.505(c), 192.505(d), 192.505(e)) | Does the process require compliance with the requirements of 192.505, when pressure testing steel pipelines to operate at a hoop stress of 30% or more of SMYS? |
| 112 | (and 2 other assets) | NA | | DC.PT | 5 | DC.PT.PRESSTESTHIGHSTRESS.R | 192.517(a) (192.505(a), 192.505(b), 192.505(c), 192.505(d), 192.505(e)) | Is pressure testing conducted in accordance with 192.505? |
| 113 | (and 2 other assets) | NA | | DC.PT | 6 | DC.PT.PRESSTESTHIGHSTRESS.O | 192.505(a) (192.505(b), 192.505(c), 192.505(d), 192.505(e)) | Is pressure testing conducted in accordance with 192.505? |
| 114 | (and 2 other assets) | Sat | -2 | DC.PT | 10 | DC.PT.PRESSTESTENVIRON.P | 192.303 (192.515(a), 192.515(b), 192.605(b)) | Does the process require disposal of the test medium in a manner that will minimize damage to the environment? |
| 115 | (and 2 other assets) | NA | -2 | DC.PT | 11 | DC.PT.PRESSTESTENVIRON.R | 192.517(a) (192.515(a), 192.515(b)) | Do records indicate that pressure testing and medium disposal is conducted in accordance with 192.515? |
| 116 | (and 2 other assets) | NA | -2 | DC.PT | 12 | DC.PT.PRESSTESTENVIRON.O | 192.515(a) (192.515(b)) | Are pressure testing and medium disposal conducted in accordance with 192.515? |
| 117 | (and 2 other assets) | Sat | -2 | DC.PT | 13 | DC.PT.PRESSTESTRECORD.P | 192.303 (192.517(a), 192.605(b)) | Does the process require the creation, and retention for the useful life of the pipeline, a record of each test performed under 192.505 and 192.507? |
| 118 | (and 2 other assets) | NA | -2 | DC.PT | 14 | DC.PT.PRESSTESTRECORD.R | 192.517(a) | As applicable to the project, verify that test records are being made and contain information required by 192.517(a). |
| 119 | (and 2 other assets) | Sat | -2 | DC.PTLOWPRESS | 7 | DC.PT.PRESSTESTENVIRON.P | 192.303 (192.515(a), 192.515(b), 192.605(b)) | Does the process require disposal of the test medium in a manner that will minimize damage to the environment? |
| 120 | (and 2 other assets) | NA | -2 | DC.PTLOWPRESS | 8 | DC.PT.PRESSTESTENVIRON.R | 192.517(a) (192.515(a), 192.515(b)) | Do records indicate that pressure testing and medium disposal is conducted in accordance with 192.515? |
| 121 | (and 2 other assets) | NA | -2 | DC.PTLOWPRESS | 9 | DC.PT.PRESSTESTENVIRON.O | 192.515(a) (192.515(b)) | Are pressure testing and medium disposal conducted in accordance with 192.515? |
| 122 | (and 2 other assets) | Sat | -2 | DC.PTLOWPRESS | 10 | DC.PT.PRESSTESTRECORD.P | 192.303 (192.517(a), 192.605(b)) | Does the process require the creation, and retention for the useful life of the pipeline, a record of each test performed under 192.505 and 192.507? |
| 123 | (and 2 other assets) | NA | -2 | DC.PTLOWPRESS | 11 | DC.PT.PRESSTESTRECORD.R | 192.517(a) | As applicable to the project, verify that test records are being made and contain information required by 192.517(a). |
| 124 | (and 2 other assets) | Sat | -2 | FS.CS | 17 | DC.COCMP.CMPCOMBUSTIBLE.P | 192.303 (192.735(a), 192.735(b)) | Does the process include requirements for the storage of flammable/combustible materials and specify that aboveground oil or gasoline storage tanks being installed at compressor stations be protected in accordance with NFPA No. 30, as required of 192.735(b)? |
| 125 | (and 2 other assets) | NA | -2 | FS.CS | 18 | DC.COCMP.CMPCOMBUSTIBLE.R | 192.735(a) (192.735(b)) | As applicable to the project, are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)? |
| 126 | (and 2 other assets) | NA | -2 | FS.CS | 19 | DC.COCMP.CMPCOMBUSTIBLE.O | 192.735(a) (192.735(b)) | Are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)? |
| 127 | (and 2 other assets) | NA | -2 | MO.GM | 9 | MO.GM.RECORDS.R | 192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c)) | Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test? |

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|---|---|---|---|---|---|---|---|---|
| 128 | (and 2 other assets) | NA | -2 | MO.GMOPP | 7 | MO.GM.RECORDS.R | 192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c)) | Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test? |
| 129 | (and 2 other assets) | Sat | | TD.CPMONITOR | 14 | TD.CPMONITOR.TESTLEAD.P | 192.605(b)(2) (192.471(a), 192.471(b), 192.471(c), 192.469) | Does the process provide adequate instructions for the installation of test leads? |
| 130 | (and 2 other assets) | Sat | | TD.CPMONITOR | 15 | TD.CPMONITOR.TESTLEAD.R | 192.491(c) (192.471(a), 192.471(b), 192.471(c), 192.469) | Do records document that pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I? |
| 131 | (and 2 other assets) | NA | | TD.CPMONITOR | 16 | TD.CPMONITOR.TESTLEAD.O | 192.471(a) (192.471(b), 192.471(c), 192.469) | Do pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I? |
| 132 | (and 2 other assets) | Sat | | TD.COAT | 1 | TD.COAT.NEWPIPE.P | 192.605(b)(2) (192.455(a)(1), 192.461(a), 192.461(b), 192.483(a)) | Does the process require that each buried or submerged pipeline installed after July 31, 1971, be protected against external corrosion with an adequate coating unless exempted by 192.455(b)? |
| 133 | (and 2 other assets) | Sat | | TD.COAT | 2 | TD.COAT.NEWPIPE.R | 192.491(c) (192.455(a)(1), 192.461(a), 192.461(b), 192.483(a)) | Do records document that each buried or submerged pipeline installed after July 31, 1971, has been protected against external corrosion with an adequate coating unless exempted under 192.455(b)? |
| 134 | (and 2 other assets) | NA | | TD.COAT | 10 | TD.COAT.COATAPPLY.O | 192.461(a) (192.461(c), 192.461(d), 192.461(e), 192.319(b), 192.483(a)) | Is protective coating adequately applied? |
| 135 | (and 2 other assets) | NA | | TQ.PROT9 | 1 | TQ.PROT9.TASKPERFORMANCE.O | 192.801(a) (192.809(a)) | Verify the qualified individuals performed the observed covered tasks in accordance with the operator's procedures or operator approved contractor procedures. |
| 136 | (and 2 other assets) | NA | | TQ.PROT9 | 2 | TQ.PROT9.QUALIFICATIONSTATUS.O | 192.801(a) (192.809(a)) | Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks. |
| 137 | (and 2 other assets) | NA | | TQ.PROT9 | 3 | TQ.PROT9.AOCRECOG.O | 192.801(a) (192.809(a)) | Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed. |
| 138 | (and 2 other assets) | NA | | TQ.PROT9 | 4 | TQ.PROT9.VERIFYQUAL.O | 192.801(a) (192.809(a)) | Observe in the field (job site, local office, etc.) that the foreman/supervisor/manager has verified the qualification of the individual performing the task, that the qualification records are current, and ensure the personal identification of all individuals performing covered tasks are checked, prior to task performance. |
| 139 | (and 2 other assets) | NA | | TQ.PROT9 | 5 | TQ.PROT9.CORRECTION.O | 192.801(a) (192.809(a)) | Have potential issues identified by the OQ plan inspection process been corrected at the operational level? |

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

*Report Parameters: All non-empty Results*

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.

## Umeaku, Marilyn CTR (PHMSA)

**From:** Small, Barry (PHMSA)
**Sent:** Tuesday, March 27, 2018 2:23 PM
**To:** Lyons, Jacob (JLyons@eqt.com)
**Cc:** Puth, Gregory (PHMSA); Jim Fisher; Klesin, Joseph (PHMSA)
**Subject:** 152744_155809_Mountain Valley_WV VA_I02

Hi Jake,

Please be advised that going forward, Greg Puth will be Lead on this inspection. Mr. Puth will be in contact with regards to future coordination. Greg's email contact is in the Cc address bar of this correspondence.

Thank you,
Barry

**Barry P. Small**
Operations Supervisor
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281-787-2672 Mobile | 609-989-2171 Eastern Region Main Office
barry.small@dot.gov | www.transportation.gov

85614 (139)
85615 (139)

Inspection Results Report (ALL Non-Empty Results) - Scp_PK 85614

| Row | Assets | Result | (Note 1) | Sub-Group | Qst # | Question ID | References | Question Text |
|---|---|---|---|---|---|---|---|---|
| 1 | (and 1 other asset) | Sat | -2 | DC.COCMP | 1 | DC.COCMP.CMPCOMBUSTIBLE.O | 192.735(a) (192.735(b)) | Are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)? |
| 2 | (and 1 other asset) | Sat | -2 | DC.COCMP | 2 | DC.COCMP.CMPCOMBUSTIBLE.P | 192.303 (192.735(a), 192.735(b)) | Does the process include requirements for the storage of flammable/combustible materials and specify that aboveground oil or gasoline storage tanks being installed at compressor stations be protected in accordance with NFPA No. 30, as required of 192.735(b)? |
| 3 | (and 1 other asset) | NA | -2 | DC.COCMP | 3 | DC.COCMP.CMPCOMBUSTIBLE.R | 192.735(a) (192.735(b)) | As applicable to the project, are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)? |
| 4 | (and 1 other asset) | Sat | | DC.COCMP | 4 | DC.COCMP.CMPGASDETECT.P | 192.303 (192.736(a), 192.736(b)) | Does the process specify that compressor buildings have a fixed gas detection and alarm system? |
| 5 | (and 1 other asset) | Sat | | DC.COCMP | 5 | DC.COCMP.CMPGASDETECT.R | 192.736(a) (192.736(b)) | Are gas detection and alarm systems being installed in applicable compressor buildings? |
| 6 | (and 1 other asset) | Sat | | DC.COCMP | 6 | DC.COCMP.CMPGASDETECT.O | 192.736(a) (192.736(b)) | Are gas detection and alarm systems installed in applicable compressor buildings? |
| 7 | (and 1 other asset) | Sat | | DC.CO | 3 | DC.CO.CLEAR.R | 192.325(a) (192.325(b), 192.325(c)) | Do records indicate pipe is installed with clearances in accordance with 192.325, and (if plastic) installed as to prevent heat damage to the pipe? |
| 8 | (and 1 other asset) | Sat | | DC.CO | 4 | DC.CO.COVER.R | 192.327(a) (192.327(b), 192.327(c), 192.327(d), 192.327(e)) | Is onshore piping minimum cover as specified in 192.327? |
| 9 | (and 1 other asset) | Sat | | DC.CO | 16 | DC.CO.SPECS.P | 192.303 | Does the operator have written construction specifications or standards as required of 192.303? |
| 10 | (and 1 other asset) | Sat | | DC.CO | 17 | DC.CO.INSPECT.P | 192.303 (192.305) | Does the process require the pipeline to be inspected to ensure that it is constructed in accordance with Part 192? |
| 11 | (and 1 other asset) | Sat | | DC.CO | 18 | DC.CO.INSPECT.R | 192.305 | Do records indicate the pipeline is being inspected to ensure it is constructed in accordance with Part 192? |
| 12 | (and 1 other asset) | Concern | | DC.CO | 19 | DC.CO.INSPECT.O | 192.305 | Is the pipeline being inspected to ensure it is constructed in accordance with Part 192? |
| 13 | (and 1 other asset) | Sat | | DC.CO | 20 | DC.CO.INSPECTVISUAL.P | 192.303 (192.307) | Does the process require pipe and other components to be visually inspected prior to installation? |
| 14 | (and 1 other asset) | Sat | | DC.CO | 21 | DC.CO.INSPECTVISUAL.R | 192.307 | Do records indicate that pipe and other components were visually inspected prior to installation? |
| 15 | (and 1 other asset) | Sat | | DC.CO | 22 | DC.CO.INSPECTVISUAL.O | 192.307 | Are pipe lengths and other pipeline components visually inspected to ensure they are not damaged? |

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| 16 | (and 1 other asset) | NA | | DC.CO | 23 | DC.CO.REPAIR.P | 192.303 (192.309(a), 192.309(b), 192.309(c), 192.309(d), 192.309(e)) | Does the process require repairs to steel pipe, in accordance with 192.309? |
| 17 | (and 1 other asset) | Sat | | DC.CO | 24 | DC.CO.REPAIR.R | 192.309(a) (192.309(b), 192.309(c), 192.309(d), 192.309(e)) | Do records demonstrate that repairs to steel pipe are being made in accordance with 192.309? |
| 18 | (and 1 other asset) | Sat | | DC.CO | 25 | DC.CO.REPAIR.O | 192.309(a) (192.309(b), 192.309(c), 192.309(d), 192.309(e)) | Are repairs to steel pipe made in accordance with 192.309? |
| 19 | (and 1 other asset) | NA | | DC.CO | 29 | DC.CO.FIELDBEND.P | 192.303 (192.313(a), 192.313(b), 192.313(c)) | Does the process require field bends to be made in accordance with 192.313? |
| 20 | (and 1 other asset) | NA | | DC.CO | 30 | DC.CO.FIELDBEND.R | 192.313(a) (192.313(b), 192.313(c)) | Do records indicate that field bends are made in accordance with 192.313? |
| 21 | (and 1 other asset) | NA | | DC.CO | 31 | DC.CO.FIELDBEND.O | 192.313(a) (192.313(b), 192.313(c)) | Are field bends made in accordance with 192.313(a)? |
| 22 | (and 1 other asset) | Concern | | DC.CO | 37 | DC.CO.INSTALL.P | 192.303 (192.319(a), 192.319(b)) | Does the process require that piping be installed such that stresses are minimized and the coating is protected? |
| 23 | (and 1 other asset) | Concern | | DC.CO | 38 | DC.CO.INSTALL.O | 192.319(a) (192.319(b)) | When pipe is placed in the ditch, is it installed so as to fit the ditch, minimize stresses, and protect the pipe coating from damage? |
| 24 | (and 1 other asset) | Sat | | DC.CO | 45 | DC.CO.CLEAR.P | 192.303 (192.325(a), 192.325(b), 192.325(c)) | 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? |
| 25 | (and 1 other asset) | Sat | | DC.CO | 46 | DC.CO.CLEAR.O | 192.325(a) (192.325(b), 192.325(c)) | Is pipe installed with clearances in accordance with 192.325, and (if plastic) installed as to prevent heat damage to the pipe? |
| 26 | (and 1 other asset) | Sat | | DC.CO | 49 | DC.CO.COVER.P | 192.303 (192.327(a), 192.327(b), 192.327(c), 192.327(d), 192.327(e)) | Does the process specify that onshore piping is to be installed with a depth of cover as specified in 192.327? |
| 27 | (and 1 other asset) | Sat | | DC.CO | 50 | DC.CO.COVER.O | 192.327(a) (192.327(b), 192.327(c), 192.327(d), 192.327(e)) | Is onshore piping minimum cover as specified in 192.327? |
| 28 | (and 1 other asset) | NA | | DC.CO | 51 | DC.CO.AMAOPCONST.R | 192.328 (192.328(a), 192.328(b), 192.328(c), 192.328(d), 192.328(e)) | Do records indicate Alternative MAOP replacement facilities/components meet the additional construction requirements of 192.328? |
| 29 | (and 1 other asset) | Sat | | DC.WELDINSP | 1 | DC.WELDINSP.WELDNDT.R | 192.243(a) (192.243(b)(1), 192.243(b)(2), 192.243(c), 192.243(a) Ref to .243(a) seems erroneous here and for subsequent O version.) | Do records indicate that NDT implementation is adequate? |
| 30 | (and 1 other asset) | Sat | | DC.WELDINSP | 2 | DC.WELDINSP.WELDVISUALQUAL.P | 192.303 (192.241(a), 192.241(b), 192.241(c)) | Does the process require visual inspections of welds to be conducted by qualified inspectors? |
| 31 | (and 1 other asset) | Sat | | DC.WELDINSP | 3 | DC.WELDINSP.WELDVISUALQUAL.R | 192.241(a) (192.241(b), 192.241(c), 192.807(a), 192.807(b)) | Do records indicate that individuals who perform visual inspection of welding are qualified by appropriate training and experience, as required by 192.241(a)? |
| 32 | (and 1 other asset) | Sat | | DC.WELDINSP | 4 | DC.WELDINSP.WELDVISUALQUAL.O | 192.241(a) (192.241(b), 192.241(c), 192.807(b)) | Are individuals who perform visual inspection of welding qualified? |
| 33 | (and 1 other asset) | Sat | | DC.WELDINSP | 5 | DC.WELDINSP.WELDNDT.P | 192.243(a) (192.243(b)(1), 192.243(b)(2), 192.243(c), 192.243(d), 192.243(e).) | Is there a process for nondestructive testing and interpretation? |
| 34 | (and 1 other asset) | Sat | | DC.WELDINSP | 6 | DC.WELDINSP.WELDNDT.O | 192.243(a) (192.243(b)(1), 192.243(b)(2), 192.243(c), 192.243(a)) | Are NDT procedures adequate? |
| 35 | (and 1 other asset) | Sat | | DC.WELDINSP | 7 | DC.WELDINSP.WELDREPAIR.P | 192.303 (192.245(a), 192.245(b), 192.245(c)) | Does the process require welds that are unacceptable to be removed and/or repaired as specified by 192.245? |
| 36 | (and 1 other asset) | Sat | | DC.WELDINSP | 8 | DC.WELDINSP.WELDREPAIR.R | 192.245(a) (192.245(b), 192.245(c)) | Do records indicate that unacceptable welds are removed and/or repaired? |
| 37 | (and 1 other asset) | Sat | | DC.WELDINSP | 9 | DC.WELDINSP.WELDREPAIR.O | 192.245(a) (192.245(b), 192.245(c)) | Are unacceptable welds removed and/or repaired? |
| 38 | (and 1 other asset) | Sat | | DC.WELDERQUAL | 1 | DC.WELDERQUAL.WELDERLIMITNDT.P | 192.303 (192.229(a), 192.229(b), 192.229(c), 192.229(d)) | Does the process require certain limitations be placed on welders? |

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| 39 | (and 1 other asset) | Sat | | DC.WELDERQUAL | 2 | DC.WELDERQUAL.WELDERQUAL.P | 192.227(a) (192.227(b)) | Does the process require welders to be qualified in accordance with 192.227(a)? |
| 40 | (and 1 other asset) | Sat | | DC.WELDERQUAL | 3 | DC.WELDERQUAL.WELDERQUAL.R | 192.227(a) (192.227(b)) | Do records indicate that welders are qualified in accordance with 192.227(a)? |
| 41 | (and 1 other asset) | Sat | | DC.WELDERQUAL | 4 | DC.WELDERQUAL.WELDERQUAL.O | 192.227(a) (192.227(b)) | Do welders demonstrate adequate skills and knowledge? |
| 42 | (and 1 other asset) | Sat | | DC.WELDERQUAL | 5 | DC.WELDERQUAL.WELDERLIMIT229.R | 192.229(a) (192.229(b), 192.229(c), 192.229(d)) | Do records demonstrate that welders were in compliance with the limits of 192.229? |
| 43 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 1 | DC.WELDPROCEDURE.WELD.P | 192.225(a) (192.225(b)) | 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? |
| 44 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 2 | DC.WELDPROCEDURE.WELD.O | 192.225(a) (192.225(b)) | Are weld procedures being qualified in accordance with 192.225? |
| 45 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 3 | DC.WELDPROCEDURE.WELD.R | 192.225(a) (192.225(b)) | Do records indicate weld procedures are being qualified in accordance with 192.225? |
| 46 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 4 | DC.WELDPROCEDURE.WELDWEATHER.P | 192.303 (192.231) | Does the process require welding to be protected from weather conditions that would impair the quality of the completed weld? |
| 47 | (and 1 other asset) | NA | | DC.WELDPROCEDURE | 5 | DC.WELDPROCEDURE.WELDWEATHER.R | 192.231 | Do records indicate welding operations are protected from certain weather conditions? |
| 48 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 6 | DC.WELDPROCEDURE.WELDWEATHER.O | 192.231 | Are welding operations are protected from certain weather conditions? |
| 49 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 7 | DC.WELDPROCEDURE.MITERJOINT.P | 192.303 (192.233(a), 192.233(b), 192.233(c)) | Does the process prohibit the use of certain miter joints? |
| 50 | (and 1 other asset) | NA | | DC.WELDPROCEDURE | 8 | DC.WELDPROCEDURE.MITERJOINT.R | 192.233(a) (192.233(b), 192.233(c)) | Do records indicate that certain miter joints are removed? |
| 51 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 9 | DC.WELDPROCEDURE.WELDPREP.P | 192.303 (192.235) | Does the process require certain preparations for welding, in accordance with 192.235? |
| 52 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 10 | DC.WELDPROCEDURE.WELDPREP.R | 192.235 | Do records indicate welding preparations made in accordance with 192.235? |
| 53 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 11 | DC.WELDPROCEDURE.WELDPREP.O | 192.235 | Are welding preparations made in accordance with 192.235? |
| 54 | (and 1 other asset) | Sat | | DC.DP | 1 | DC.DP.DESIGNPRESS105A.P | 192.103 (192.105(a), 192.105(b), 192.107(a), 192.107(b), 192.109(a), 192.109(b), 192.111(a), 192.111(b), 192.111(c), 192.111(d), 192.113, 192.115) | Does the process require the design pressure of steel pipe to be established in accordance with 192.105(a)? |
| 55 | (and 1 other asset) | Sat | | DC.DP | 2 | DC.DP.DESIGNPRESS105A.R | 192.105(a) (192.105(b), 192.107(a), 192.107(b), 192.109(a), 192.109(b), 192.111(a), 192.111(b), 192.111(c), 192.111(d), 192.113, 192.115) | Do design records and drawings indicate the design pressure of steel pipe is established in accordance with 192.105(a)? |
| 56 | (and 1 other asset) | NA | | DC.DP | 3 | DC.DP.AMAOP.R | 192.112(a) (192.112(b), 192.112(c), 192.112(d), 192.112(e), 192.112(f), 192.112(g), 192.112(h)) | Do design records indicate alternative MAOP replacement pipe and components meet the additional design requirements of 192.112? |
| 57 | (and 1 other asset) | Sat | | DC.DPCCMP | 1 | DC.DPCCMP.CMPBLDGLOCATE.P | 192.143 (192.163(a), 192.163(b), 192.163(c), 192.163(d), 192.163(e)) | Does the process require that, as applicable to the project, compressor building locations meet the requirements of 192.163? |
| 58 | (and 1 other asset) | Sat | | DC.DPCCMP | 2 | DC.DPCCMP.CMPBLDGLOCATE.R | 192.163(a) (192.163(b), 192.163(c), 192.163(d), 192.163(e)) | Do design records and installation/construction drawings indicate that, as applicable to the project, compressor building locations meet the requirements of 192.163? |
| 59 | (and 1 other asset) | Sat | | DC.DPCCMP | 3 | DC.DPCCMP.CMPBLDGLOCATE.O | 192.141 (192.163(a), 192.163(b), 192.163(c), 192.163(d), 192.163(e)) | Do compressor building locations meet the requirements of 192.163(a)? |

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| 60 | (and 1 other asset) | Sat | | DC.DPCCMP | 4 | DC.DPCCMP.CMPLIQPROT.O | 192.141 (192.165(a), 192.615(b)) | Are compressors protected from liquids and, as applicable, liquid separators for compressors installed, in accordance with 192.165? |
| 61 | (and 1 other asset) | Sat | | DC.DPCCMP | 5 | DC.DPCCMP.CMPLIQPROT.P | 192.143 (192.165(a), 192.165(b)) | Does the process require that compressors are protected from liquids? |
| 62 | (and 1 other asset) | Sat | | DC.DPCCMP | 6 | DC.DPCCMP.CMPLIQPROT.R | 192.165(a) (192.615(b)) | Do records indicate that compressors are protected from liquids? |
| 63 | (and 1 other asset) | Sat | | DC.DPCCMP | 7 | DC.DPCCMP.CMPESD.P | 192.143(a) (192.143(b), 192.167(a), 192.167(b), 192.167(c)) | Does the process require that compressor station emergency shutdown systems meet the requirements of 192.167(a)? |
| 64 | (and 1 other asset) | Sat | | DC.DPCCMP | 8 | DC.DPCCMP.CMPESD.R | 192.167(a) (192.167(b), 192.167(c)) | Do records indicate that compressor station emergency shutdown systems meet the requirements of 192.167(a)? |
| 65 | (and 1 other asset) | Sat | | DC.DPCCMP | 9 | DC.DPCCMP.CMPESD.O | 192.141 (192.167(a), 192.167(b), 192.167(c)) | Do compressor station emergency shutdown systems (except for unattended field compressor stations of 1,000 HP or less) meet the requirements of 192.167(a)? |
| 66 | (and 1 other asset) | Sat | | DC.DPCCMP | 10 | DC.DPCCMP.CMPPRESSLIMIT.P | 192.143(a) (192.143(b), 192.169(a), 192.169(b)) | As applicable to the project, does the process require that compressor stations have pressure relief or other suitable protective devices? |
| 67 | (and 1 other asset) | Sat | | DC.DPCCMP | 11 | DC.DPCCMP.CMPPRESSLIMIT.R | 192.169(a) (192.169(b)) | As applicable to the project, do records indicate that compressor stations have pressure relief or other suitable protective devices? |
| 68 | (and 1 other asset) | Sat | | DC.DPCCMP | 12 | DC.DPCCMP.CMPPRESSLIMIT.O | 192.141 (192.169(a), 192.169(b)) | As applicable to the project, are pressure relief or other suitable protective devices being installed at compressor stations in accordance with 192.169? |
| 69 | (and 1 other asset) | Sat | | DC.DPCCMP | 13 | DC.DPCCMP.CMPSAFETYEQUIP.P | 192.143(a) (192.143(b), 192.171(a), 192.171(b), 192.171(c), 192.171(d), 192.171(e)) | As applicable to the project, does the process require that additional compressor station safety equipment is in accordance with 192.171? |
| 70 | (and 1 other asset) | Sat | | DC.DPCCMP | 14 | DC.DPCCMP.CMPSAFETYEQUIP.R | 192.171(a) (192.171(b), 192.171(c), 192.171(d), 192.171(e)) | As applicable to the project, do records indicate that additional compressor station safety equipment is in accordance with 192.171? |
| 71 | (and 1 other asset) | Sat | | DC.DPCCMP | 15 | DC.DPCCMP.CMPSAFETYEQUIP.O | 192.141 (192.171(a), 192.171(b), 192.171(c), 192.171(d), 192.171(e)) | As applicable to the project, is additional compressor station safety equipment in accordance with 192.171? |
| 72 | (and 1 other asset) | Sat | | DC.DPCCMP | 16 | DC.DPCCMP.CMPVENTILATE.P | 192.143(a) (192.143(b), 192.173) | As applicable to the project, does the process require that compressor buildings are ventilated to prevent the accumulation of gas? |
| 73 | (and 1 other asset) | Sat | | DC.DPCCMP | 17 | DC.DPCCMP.CMPVENTILATE.R | 192.173 | As applicable to the project, do records indicate that compressor buildings are ventilated to prevent the accumulation of gas? |
| 74 | (and 1 other asset) | Sat | | DC.DPCCMP | 18 | DC.DPCCMP.CMPVENTILATE.O | 192.141 (192.173) | As applicable to the project, are compressor buildings ventilated to prevent the accumulation of gas? |
| 75 | (and 1 other asset) | Sat | | DC.DPCOPP | 1 | DC.DPCOPP.OVERPRESSURE.P | 192.143(a) (192.143(b), 192.195(a), 192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h), 192.201(a), 192.201(b), 192.201(c)) | Does the process require the pipeline have pressure relieving or pressure limiting devices that are required of 192.195(a), and that they meet the requirements of 192.199 and 192.201? |
| 76 | (and 1 other asset) | Sat | | DC.DPCOPP | 2 | DC.DPCOPP.OVERPRESSURE.R | 192.195(a) (192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h), 192.201(a), 192.201(b), 192.201(c)) | Do records indicate that the pipeline has pressure relieving or pressure limiting devices that are required of 192.195(a), and that they meet the requirements of 192.199 and 192.201? |

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| 77 | (and 1 other asset) | Sat | | DC.DPCOPP | 3 | DC.DPCOPP.OVERPRESSURE.O | 192.195(a) (192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h), 192.201(a), 192.201(b), 192.201(c)) | Are required pressure relieving or pressure limiting devices being installed, and do they meet the requirements of 192.199 and 192.201? |
| 78 | (and 1 other asset) | Sat | | DC.DPCOPP | 4 | DC.DPCOPP.PRESSLIMIT.P | 192.143(a) (192.143(b), 192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h)) | Does the process require that pressure relieving or pressure limiting devices meet the requirements of 192.199? |
| 79 | (and 1 other asset) | NA | | DC.DPCOPP | 5 | DC.DPCOPP.PRESSLIMIT.R | 192.199(a) (192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h)) | Do records indicate that pressure relieving or pressure limiting devices meet the requirements of 192.199? |
| 80 | (and 1 other asset) | Sat | | DC.DPCOPP | 6 | DC.DPCOPP.PRESSLIMIT.O | 192.199(a) (192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h)) | Do pressure relieving or pressure limiting devices meet the requirements of 192.199? |
| 81 | (and 1 other asset) | Sat | | DC.DPCOPP | 7 | DC.DPCOPP.PRESSLIMITCAP.P | 192.143(a) (192.143(b), 192.201(a), 192.201(b), 192.201(c)) | Does the process require that pressure relief or pressure limiting stations being installed comply with 192.201? |
| 82 | (and 1 other asset) | Sat | | DC.DPCOPP | 8 | DC.DPCOPP.PRESSLIMITCAP.R | 192.201(a) (192.201(b), 192.201(c)) | Do records indicate that pressure relief or pressure limiting stations being installed comply with 192.201? |
| 83 | (and 1 other asset) | NA | | DC.DPCOPP | 9 | DC.DPCOPP.PRESSLIMITCAP.O | 192.201(a) (192.201(b), 192.201(c)) | Do pressure relief or pressure limiting stations comply with the requirements of 192.201? |
| 84 | (and 1 other asset) | Sat | | DC.DPC | 2 | DC.DPC.VALVE.R | 192.145(a) (192.145(b), 192.145(c), 192.145(d)) | Do records indicate valves comply with the requirements of 192.145? |
| 85 | (and 1 other asset) | Sat | | DC.DPC | 3 | DC.DPC.VALVE.O | 192.141 (192.145(a), 192.145(b), 192.145(c), 192.145(d)) | Do valves comply with the requirements of 192.145? |
| 86 | (and 1 other asset) | Sat | | DC.DPC | 4 | DC.DPC.FLANGE.R | 192.147(a) (192.147(b), 192.147(c)) | Do records indicate flanges and flange accessories meet the requirements of 192.147? |
| 87 | (and 1 other asset) | Sat | | DC.DPC | 5 | DC.DPC.FLANGE.O | 192.141 (192.147(a), 192.147(b), 192.147(c)) | Do flanges and flange accessories meet the requirements of 192.147? |
| 88 | (and 1 other asset) | Sat | | DC.DPC | 6 | DC.DPC.STANDARDFITTING.R | 192.149(a) (192.149(b)) | Do records indicate standard fittings are in compliance with 192.149? |
| 89 | (and 1 other asset) | Sat | | DC.DPC | 7 | DC.DPC.STANDARDFITTING.O | 192.149(a) (192.149(b)) | Are standard fittings are in compliance with 192.149? |
| 90 | (and 1 other asset) | Sat | | DC.DPC | 17 | DC.DPC.FLEXIBLE.P | 192.143(a) (192.159) | Does the process require pipeline flexibility design to be accordance with 192.159? |
| 91 | (and 1 other asset) | Sat | | DC.DPC | 18 | DC.DPC.FLEXIBLE.R | 192.159 | Do records indicate that pipeline flexibility is designed in accordance with 192.159? |
| 92 | (and 1 other asset) | Sat | | DC.DPC | 19 | DC.DPC.SUPPORT.R | 192.161(a) (192.161(b), 192.161(c), 192.161(d), 192.161(e), 192.161(f)) | Do records indicate piping and associated equipment have sufficient anchors or supports to prevent undue strain on connected equipment, resist longitudinal forces, and prevent or dampen excessive vibration? |
| 93 | (and 1 other asset) | Sat | | DC.DPC | 20 | DC.DPC.SUPPORT.O | 192.141 (192.161(a), 192.161(b), 192.161(c), 192.161(d), 192.161(e), 192.161(f)) | Are anchors and supports being installed as required by 192.161? |
| 94 | (and 1 other asset) | Sat | | DC.DPC | 21 | DC.DPC.VALVESPACE.P | 192.143 (192.179(a), 192.179(a)(1), 192.179(a)(2), 192.179(a)(3), 192.179(a)(4), 192.179(b), 192.179(c), 192.179(d)) | Does the process require transmission line valve spacing to be accordance with 192.179(a)? |
| 95 | (and 1 other asset) | Sat | | DC.DPC | 22 | DC.DPC.VALVESPACE.R | 192.179(a) (192.179(a)(1), 192.179(a)(2), 192.179(a)(3), 192.179(a)(4), 192.179(b), 192.179(c), 192.179(d)) | Do records indicate that transmission line valve spacing is in accordance with 192.179(a)? |
| 96 | (and 1 other asset) | Sat | | DC.DPC | 23 | DC.DPC.VALVESPACE.O | 192.141 (192.179(a), 192.179(b), 192.179(c), 192.179(d)) | Are transmission line valves being installed as required of 192.179? |
| 97 | (and 1 other asset) | NA | | DC.DPC | 38 | DC.DPC.VAULTWATER.P | 192.143(a) (192.143(b), 192.189(a), 192.189(b), 192.189(c)) | As applicable to the project, does the process require that underground vaults or pits are protected from water intrusion as required of 192.189? |

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| 98 | (and 1 other asset) | Sat | | DC.DPC | 44 | DC.DPC.INTCORRODE.P | 192.453 (192.476(a), 192.476(b), 192.476(c)) | Does the process require that the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of 192.476? |
| 99 | (and 1 other asset) | Sat | | DC.DPC | 45 | DC.DPC.INTCORRODE.R | 192.476(a) (192.476(b), 192.476(c)) | Do records demonstrate the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of 192.476? |
| 100 | (and 1 other asset) | Sat | | DC.DPC | 46 | DC.DPC.INTCORRODE.O | 192.476(a) (192.476(b), 192.476(c)) | Does the transmission project's design and construction comply with 192.476? |
| 101 | (and 1 other asset) | NA | | DC.DPC | 47 | DC.DPC.AMAOP.R | 192.620(a) (192.620(b)) | Do records indicate alternative MAOP replacement facilities/components meet the design and test factor requirements listed in 192.620(a)? |
| 102 | (and 1 other asset) | Sat | | DC.MA | 1 | DC.MA.NEWPIPE.P | 192.53(a) (192.53(b), 192.53(c), 192.55(a), 192.55(b), 192.55(c), 192.55(d), 192.55(e)) | Does the process require new steel pipe to be qualified in accordance with 192.55(a)? |
| 103 | (and 1 other asset) | Sat | | DC.MA | 2 | DC.MA.NEWPIPE.R | 192.55(a) (192.55(b), 192.55(c), 192.55(d), 192.55(e)) | Do records indicate new steel pipe is qualified in accordance with 192.55(a)? |
| 104 | (and 1 other asset) | Sat | | DC.MA | 3 | DC.MA.NEWPIPE.O | 192.55(a) (192.55(b), 192.55(c), 192.55(d), 192.55(e)) | Is new steel pipe observed to be qualified in accordance with 192.55(a)? |
| 105 | (and 1 other asset) | Sat | | DC.MA | 6 | DC.MA.MARKING.P | 192.53(a) (192.53(b), 192.53(c), 192.63(a), 192.63(b), 192.63(c), 192.63(d)) | Does the process require pipe, valves, and fittings to be marked? |
| 106 | (and 1 other asset) | Sat | | DC.MA | 7 | DC.MA.MARKING.R | 192.63(a) (192.63(b), 192.63(c), 192.63(d)) | Do records indicate that pipe, valves, and fittings were marked as required? |
| 107 | (and 1 other asset) | Sat | | DC.MA | 8 | DC.MA.MARKING.O | 192.63(a) (192.63(b), 192.63(c), 192.63(d)) | Are pipe, valves, and fittings properly marked for identification? |
| 108 | (and 1 other asset) | NA | | DC.PT | 1 | DC.PT.PRESSTEST.P | 192.605(b) (192.303, 192.503(a), 192.503(b), 192.503(c), 192.503(d)) | Does the process require pressure testing to be conducted for new segments of pipeline, or return to service segments of pipeline that are being relocated or replaced? |
| 109 | (and 1 other asset) | NA | | DC.PT | 2 | DC.PT.PRESSTEST.R | 192.503(a) (192.503(b), 192.503(c), 192.503(d)) | Do records indicate that pressure testing is conducted in accordance with 192.503? |
| 110 | (and 1 other asset) | NA | | DC.PT | 3 | DC.PT.PRESSTEST.O | 192.503(a) (192.503(b), 192.503(c), 192.503(d)) | Is pressure testing conducted in accordance with 192.503? |
| 111 | (and 1 other asset) | NA | | DC.PT | 4 | DC.PT.PRESSTESTHIGHSTRESS.P | 192.605(b) (192.303, 192.505(a), 192.505(b), 192.505(c), 192.505(d), 192.505(e)) | Does the process require compliance with the requirements of 192.505, when pressure testing steel pipelines to operate at a hoop stress of 30% or more of SMYS? |
| 112 | (and 1 other asset) | NA | | DC.PT | 5 | DC.PT.PRESSTESTHIGHSTRESS.R | 192.517(a) (192.505(a), 192.505(b), 192.505(c), 192.505(d), 192.505(e)) | Is pressure testing conducted in accordance with 192.505? |
| 113 | (and 1 other asset) | NA | | DC.PT | 6 | DC.PT.PRESSTESTHIGHSTRESS.O | 192.505(a) (192.505(b), 192.505(c), 192.505(d), 192.505(e)) | Is pressure testing conducted in accordance with 192.505? |
| 114 | (and 1 other asset) | NA | -2 | DC.PT | 10 | DC.PT.PRESSTESTENVIRON.P | 192.303 (192.515(a), 192.515(b), 192.605(b)) | Does the process require disposal of the test medium in a manner that will minimize damage to the environment? |
| 115 | (and 1 other asset) | NA | -2 | DC.PT | 11 | DC.PT.PRESSTESTENVIRON.R | 192.517(a) (192.515(a), 192.515(b)) | Do records indicate that pressure testing and medium disposal is conducted in accordance with 192.515? |
| 116 | (and 1 other asset) | NA | -2 | DC.PT | 12 | DC.PT.PRESSTESTENVIRON.O | 192.515(a) (192.515(b)) | Are pressure testing and medium disposal conducted in accordance with 192.515? |
| 117 | (and 1 other asset) | Sat | -2 | DC.PT | 13 | DC.PT.PRESSTESTRECORD.P | 192.303 (192.517(a), 192.605(b)) | Does the process require the creation, and retention for the useful life of the pipeline, a record of each test performed under 192.505 and 192.507? |
| 118 | (and 1 other asset) | NA | -2 | DC.PT | 14 | DC.PT.PRESSTESTRECORD.R | 192.517(a) | As applicable to the project, verify that test records are being made and contain information required by 192.517(a). |

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| 119 | (and 1 other asset) | NA | -2 | DC.PTLOWPRESS | 7 | DC.PT.PRESSTESTENVIRON.P | 192.303 (192.515(a), 192.515(b), 192.605(b)) | Does the process require disposal of the test medium in a manner that will minimize damage to the environment? |
| 120 | (and 1 other asset) | NA | -2 | DC.PTLOWPRESS | 8 | DC.PT.PRESSTESTENVIRON.R | 192.517(a) (192.515(a), 192.515(b)) | Do records indicate that pressure testing and medium disposal is conducted in accordance with 192.515? |
| 121 | (and 1 other asset) | NA | -2 | DC.PTLOWPRESS | 9 | DC.PT.PRESSTESTENVIRON.O | 192.515(a) (192.515(b)) | Are pressure testing and medium disposal conducted in accordance with 192.515? |
| 122 | (and 1 other asset) | Sat | -2 | DC.PTLOWPRESS | 10 | DC.PT.PRESSTESTRECORD.P | 192.303 (192.517(a), 192.605(b)) | Does the process require the creation, and retention for the useful life of the pipeline, a record of each test performed under 192.505 and 192.507? |
| 123 | (and 1 other asset) | NA | -2 | DC.PTLOWPRESS | 11 | DC.PT.PRESSTESTRECORD.R | 192.517(a) | As applicable to the project, verify that test records are being made and contain information required by 192.517(a). |
| 124 | (and 1 other asset) | Sat | -2 | FS.CS | 2 | DC.COCMP.CMPCOMBUSTIBLE.O | 192.735(a) (192.735(b)) | Are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)? |
| 125 | (and 1 other asset) | Sat | -2 | FS.CS | 18 | DC.COCMP.CMPCOMBUSTIBLE.P | 192.303 (192.735(a), 192.735(b)) | Does the process include requirements for the storage of flammable/combustible materials and specify that aboveground oil or gasoline storage tanks being installed at compressor stations be protected in accordance with NFPA No. 30, as required of 192.735(b)? |
| 126 | (and 1 other asset) | NA | -2 | FS.CS | 19 | DC.COCMP.CMPCOMBUSTIBLE.R | 192.735(a) (192.735(b)) | As applicable to the project, are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)? |
| 127 | (and 1 other asset) | NA | -2 | MO.GM | 4 | MO.GM.RECORDS.R | 192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c)) | Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test? |
| 128 | (and 1 other asset) | NA | -2 | MO.GMOPP | 3 | MO.GM.RECORDS.R | 192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c)) | Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test? |
| 129 | (and 1 other asset) | Sat | | TD.CPMONITOR | 17 | TD.CPMONITOR.TESTLEAD.P | 192.605(b)(2) (192.471(a), 192.471(b), 192.471(c)) | Does the process provide adequate instructions for the installation of test leads? |
| 130 | (and 1 other asset) | Sat | | TD.CPMONITOR | 18 | TD.CPMONITOR.TESTLEAD.R | 192.491(c) (192.471(a), 192.471(b), 192.471(c)) | Do records document that pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I? |
| 131 | (and 1 other asset) | Sat | | TD.CPMONITOR | 19 | TD.CPMONITOR.TESTLEAD.O | 192.471(a) (192.471(b), 192.471(c)) | Do pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I? |
| 132 | (and 1 other asset) | Sat | | TD.COAT | 1 | TD.COAT.NEWPIPE.P | 192.605(b)(2) (192.455(a)(1), 192.461(a), 192.461(b), 192.483(a)) | 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? |

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| 133 | (and 1 other asset) | Sat | | TD.COAT | 2 | TD.COAT.NEWPIPE.R | 192.491(c) (192.455(a)(1), 192.461(a), 192.461(b), 192.483(a)) | Do records document that each buried or submerged pipeline installed after July 31, 1971 has been externally coated with a suitable coating material? |
| 134 | (and 1 other asset) | Sat | | TD.COAT | 6 | TD.COAT.COATAPPLY.O | 192.461(a) (192.461(c), 192.461(d), 192.461(e), 192.319(b), 192.483(a)) | Is protective coating adequately applied? |
| 135 | (and 1 other asset) | Sat | | TQ.PROT9 | 1 | TQ.PROT9.CORRECTION.O | 192.801(a) (192.809(a)) | Have potential issues identified by the OQ plan inspection process been corrected at the operational level? |
| 136 | (and 1 other asset) | Sat | | TQ.PROT9 | 2 | TQ.PROT9.TASKPERFORMANCE.O | 192.801(a) (192.809(a)) | Verify the qualified individuals performed the observed covered tasks in accordance with the operator's processes or operator approved contractor processes. |
| 137 | (and 1 other asset) | Sat | | TQ.PROT9 | 3 | TQ.PROT9.QUALIFICATIONSTATUS.O | 192.801(a) (192.809(a)) | Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks. |
| 138 | (and 1 other asset) | Sat | | TQ.PROT9 | 4 | TQ.PROT9.AOCRECOG.O | 192.801(a) (192.809(a)) | Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed. |
| 139 | (and 1 other asset) | Sat | | TQ.PROT9 | 5 | TQ.PROT9.VERIFYQUAL.O | 192.801(a) (192.809(a)) | Observe in the field (job site, local office, etc.) that the foreman/supervisor/manager has verified the qualification of the individual performing the task, that the qualification records are current, and ensure the personal identification of all individuals performing covered tasks are checked, prior to task performance. |

Inspection Results Report (ALL Non-Empty Results) - Scp_PK 85615

| Row | Assets | Result | (Note 1) | Sub-Group | Qst # | Question ID | References | Question Text |
|---|---|---|---|---|---|---|---|---|
| 1 | (and 1 other asset) | Sat | -2 | DC.COCMP | 1 | DC.COCMP.CMPCOMBUSTIBLE.O | 192.735(a) (192.735(b)) | Are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)? |
| 2 | (and 1 other asset) | Sat | -2 | DC.COCMP | 2 | DC.COCMP.CMPCOMBUSTIBLE.P | 192.303 (192.735(a), 192.735(b)) | Does the process include requirements for the storage of flammable/combustible materials and specify that aboveground oil or gasoline storage tanks being installed at compressor stations be protected in accordance with NFPA No. 30, as required of 192.735(b)? |
| 3 | (and 1 other asset) | NA | -2 | DC.COCMP | 3 | DC.COCMP.CMPCOMBUSTIBLE.R | 192.735(a) (192.735(b)) | As applicable to the project, are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)? |
| 4 | (and 1 other asset) | Sat | | DC.COCMP | 4 | DC.COCMP.CMPGASDETECT.P | 192.303 (192.736(a), 192.736(b)) | Does the process specify that compressor buildings have a fixed gas detection and alarm system? |
| 5 | (and 1 other asset) | Sat | | DC.COCMP | 5 | DC.COCMP.CMPGASDETECT.R | 192.736(a) (192.736(b)) | Are gas detection and alarm systems being installed in applicable compressor buildings? |
| 6 | (and 1 other asset) | Sat | | DC.COCMP | 6 | DC.COCMP.CMPGASDETECT.O | 192.736(a) (192.736(b)) | Are gas detection and alarm systems installed in applicable compressor buildings? |
| 7 | (and 1 other asset) | Sat | | DC.CO | 3 | DC.CO.CLEAR.R | 192.325(a) (192.325(b), 192.325(c)) | Do records indicate pipe is installed with clearances in accordance with 192.325, and (if plastic) installed as to prevent heat damage to the pipe? |

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| 8 | (and 1 other asset) | Sat | | DC.CO | 4 | DC.CO.COVER.R | 192.327(a) (192.327(b), 192.327(c), 192.327(d), 192.327(e)) | Is onshore piping minimum cover as specified in 192.327? |
| 9 | (and 1 other asset) | Sat | | DC.CO | 16 | DC.CO.SPECS.P | 192.303 | Does the operator have written construction specifications or standards as required of 192.303? |
| 10 | (and 1 other asset) | Sat | | DC.CO | 17 | DC.CO.INSPECT.P | 192.303 (192.305) | Does the process require the pipeline to be inspected to ensure that it is constructed in accordance with Part 192? |
| 11 | (and 1 other asset) | Sat | | DC.CO | 18 | DC.CO.INSPECT.R | 192.305 | Do records indicate the pipeline is being inspected to ensure it is constructed in accordance with Part 192? |
| 12 | (and 1 other asset) | Sat | | DC.CO | 19 | DC.CO.INSPECT.O | 192.305 | Is the pipeline being inspected to ensure it is constructed in accordance with Part 192? |
| 13 | (and 1 other asset) | Sat | | DC.CO | 20 | DC.CO.INSPECTVISUAL.P | 192.303 (192.307) | Does the process require pipe and other components to be visually inspected prior to installation? |
| 14 | (and 1 other asset) | Sat | | DC.CO | 21 | DC.CO.INSPECTVISUAL.R | 192.307 | Do records indicate that pipe and other components were visually inspected prior to installation? |
| 15 | (and 1 other asset) | Sat | | DC.CO | 22 | DC.CO.INSPECTVISUAL.O | 192.307 | Are pipe lengths and other pipeline components visually inspected to ensure they are not damaged? |
| 16 | (and 1 other asset) | NA | | DC.CO | 23 | DC.CO.REPAIR.P | 192.303 (192.309(a), 192.309(b), 192.309(c), 192.309(d), 192.309(e)) | Does the process require repairs to steel pipe, in accordance with 192.309? |
| 17 | (and 1 other asset) | Sat | | DC.CO | 24 | DC.CO.REPAIR.R | 192.309(a) (192.309(b), 192.309(c), 192.309(d), 192.309(e)) | Do records demonstrate that repairs to steel pipe are being made in accordance with 192.309? |
| 18 | (and 1 other asset) | Sat | | DC.CO | 25 | DC.CO.REPAIR.O | 192.309(a) (192.309(b), 192.309(c), 192.309(d), 192.309(e)) | Are repairs to steel pipe made in accordance with 192.309? |
| 19 | (and 1 other asset) | Sat | | DC.CO | 29 | DC.CO.FIELDBEND.P | 192.303 (192.313(a), 192.313(b), 192.313(c)) | Does the process require field bends to be made in accordance with 192.313? |
| 20 | (and 1 other asset) | NA | | DC.CO | 30 | DC.CO.FIELDBEND.R | 192.313(a) (192.313(b), 192.313(c)) | Do records indicate that field bends are made in accordance with 192.313? |
| 21 | (and 1 other asset) | NA | | DC.CO | 31 | DC.CO.FIELDBEND.O | 192.313(a) (192.313(b), 192.313(c)) | Are field bends made in accordance with 192.313(a)? |
| 22 | (and 1 other asset) | Sat | | DC.CO | 37 | DC.CO.INSTALL.P | 192.303 (192.319(a), 192.319(b)) | Does the process require that piping be installed such that stresses are minimized and the coating is protected? |
| 23 | (and 1 other asset) | Sat | | DC.CO | 38 | DC.CO.INSTALL.O | 192.319(a) (192.319(b)) | When pipe is placed in the ditch, is it installed so as to fit the ditch, minimize stresses, and protect the pipe coating from damage? |
| 24 | (and 1 other asset) | Sat | | DC.CO | 45 | DC.CO.CLEAR.P | 192.303 (192.325(a), 192.325(b), 192.325(c)) | 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? |
| 25 | (and 1 other asset) | Sat | | DC.CO | 46 | DC.CO.CLEAR.O | 192.325(a) (192.325(b), 192.325(c)) | Is pipe installed with clearances in accordance with 192.325, and (if plastic) installed as to prevent heat damage to the pipe? |
| 26 | (and 1 other asset) | Sat | | DC.CO | 49 | DC.CO.COVER.P | 192.303 (192.327(a), 192.327(b), 192.327(c), 192.327(d), 192.327(e)) | Does the process specify that onshore piping is to be installed with a depth of cover as specified in 192.327? |
| 27 | (and 1 other asset) | Sat | | DC.CO | 50 | DC.CO.COVER.O | 192.327(a) (192.327(b), 192.327(c), 192.327(d), 192.327(e)) | Is onshore piping minimum cover as specified in 192.327? |
| 28 | (and 1 other asset) | NA | | DC.CO | 51 | DC.CO.AMAOPCONST.R | 192.328 (192.328(a), 192.328(b), 192.328(c), 192.328(d), 192.328(e)) | Do records indicate Alternative MAOP replacement facilities/components meet the additional construction requirements of 192.328? |
| 29 | (and 1 other asset) | Sat | | DC.WELDINSP | 1 | DC.WELDINSP.WELDNDT.R | 192.243(a) (192.243(b)(1), 192.243(b)(2), 192.243(c), 192.243(a) Ref to .243(a) seems erroneous here and for subsequent O version.) | Do records indicate that NDT implementation is adequate? |

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| 30 | (and 1 other asset) | Sat | | DC.WELDINSP | 2 | DC.WELDINSP.WELDVISUALQUAL.P | 192.303 (192.241(a), 192.241(b), 192.241(c)) | Does the process require visual inspections of welds to be conducted by qualified inspectors? |
| 31 | (and 1 other asset) | Sat | | DC.WELDINSP | 3 | DC.WELDINSP.WELDVISUALQUAL.R | 192.241(a) (192.241(b), 192.241(c), 192.807(a), 192.807(b)) | Do records indicate that individuals who perform visual inspection of welding are qualified by appropriate training and experience, as required by 192.241(a)? |
| 32 | (and 1 other asset) | Sat | | DC.WELDINSP | 4 | DC.WELDINSP.WELDVISUALQUAL.O | 192.241(a) (192.241(b), 192.241(c), 192.807(b)) | Are individuals who perform visual inspection of welding qualified? |
| 33 | (and 1 other asset) | Sat | | DC.WELDINSP | 5 | DC.WELDINSP.WELDNDT.P | 192.243(a) (192.243(b)(1), 192.243(b)(2), 192.243(c), 192.243(d), 192.243(e).) | Is there a process for nondestructive testing and interpretation? |
| 34 | (and 1 other asset) | Sat | | DC.WELDINSP | 6 | DC.WELDINSP.WELDNDT.O | 192.243(a) (192.243(b)(1), 192.243(b)(2), 192.243(c), 192.243(a)) | Are NDT procedures adequate? |
| 35 | (and 1 other asset) | Sat | | DC.WELDINSP | 7 | DC.WELDINSP.WELDREPAIR.P | 192.303 (192.245(a), 192.245(b), 192.245(c)) | Does the process require welds that are unacceptable to be removed and/or repaired as specified by 192.245? |
| 36 | (and 1 other asset) | Sat | | DC.WELDINSP | 8 | DC.WELDINSP.WELDREPAIR.R | 192.245(a) (192.245(b), 192.245(c)) | Do records indicate that unacceptable welds are removed and/or repaired? |
| 37 | (and 1 other asset) | Sat | | DC.WELDINSP | 9 | DC.WELDINSP.WELDREPAIR.O | 192.245(a) (192.245(b), 192.245(c)) | Are unacceptable welds removed and/or repaired? |
| 38 | (and 1 other asset) | Sat | | DC.WELDERQUAL | 1 | DC.WELDERQUAL.WELDERLIMITNDT.P | 192.303 (192.229(a), 192.229(b), 192.229(c), 192.229(d)) | Does the process require certain limitations be placed on welders? |
| 39 | (and 1 other asset) | Sat | | DC.WELDERQUAL | 2 | DC.WELDERQUAL.WELDERQUAL.P | 192.227(a) (192.227(b)) | Does the process require welders to be qualified in accordance with 192.227(a)? |
| 40 | (and 1 other asset) | Sat | | DC.WELDERQUAL | 3 | DC.WELDERQUAL.WELDERQUAL.R | 192.227(a) (192.227(b)) | Do records indicate that welders are qualified in accordance with 192.227(a)? |
| 41 | (and 1 other asset) | Sat | | DC.WELDERQUAL | 4 | DC.WELDERQUAL.WELDERQUAL.O | 192.227(a) (192.227(b)) | Do welders demonstrate adequate skills and knowledge? |
| 42 | (and 1 other asset) | Sat | | DC.WELDERQUAL | 5 | DC.WELDERQUAL.WELDERLIMIT229.R | 192.229(a) (192.229(b), 192.229(c), 192.229(d)) | Do records demonstrate that welders were in compliance with the limits of 192.229? |
| 43 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 1 | DC.WELDPROCEDURE.WELD.P | 192.225(a) (192.225(b)) | 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? |
| 44 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 2 | DC.WELDPROCEDURE.WELD.O | 192.225(a) (192.225(b)) | Are weld procedures being qualified in accordance with 192.225? |
| 45 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 3 | DC.WELDPROCEDURE.WELD.R | 192.225(a) (192.225(b)) | Do records indicate weld procedures are being qualified in accordance with 192.225? |
| 46 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 4 | DC.WELDPROCEDURE.WELDWEATHER.P | 192.303 (192.231) | Does the process require welding to be protected from weather conditions that would impair the quality of the completed weld? |
| 47 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 5 | DC.WELDPROCEDURE.WELDWEATHER.R | 192.231 | Do records indicate welding operations are protected from certain weather conditions? |
| 48 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 6 | DC.WELDPROCEDURE.WELDWEATHER.O | 192.231 | Are welding operations are protected from certain weather conditions? |
| 49 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 7 | DC.WELDPROCEDURE.MITERJOINT.P | 192.303 (192.233(a), 192.233(b), 192.233(c)) | Does the process prohibit the use of certain miter joints? |
| 50 | (and 1 other asset) | NA | | DC.WELDPROCEDURE | 8 | DC.WELDPROCEDURE.MITERJOINT.R | 192.233(a) (192.233(b), 192.233(c)) | Do records indicate that certain miter joints are removed? |
| 51 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 9 | DC.WELDPROCEDURE.WELDPREP.P | 192.303 (192.235) | Does the process require certain preparations for welding, in accordance with 192.235? |
| 52 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 10 | DC.WELDPROCEDURE.WELDPREP.R | 192.235 | Do records indicate welding preparations made in accordance with 192.235? |
| 53 | (and 1 other asset) | Sat | | DC.WELDPROCEDURE | 11 | DC.WELDPROCEDURE.WELDPREP.O | 192.235 | Are welding preparations made in accordance with 192.235? |

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| 54 | (and 1 other asset) | Sat | | DC.DP | 1 | DC.DP.DESIGNPRESS105A.P | 192.103 (192.105(a), 192.105(b), 192.107(a), 192.107(b), 192.109(a), 192.109(b), 192.111(a), 192.111(b), 192.111(c), 192.111(d), 192.113, 192.115) | Does the process require the design pressure of steel pipe to be established in accordance with 192.105(a)? |
| 55 | (and 1 other asset) | Sat | | DC.DP | 2 | DC.DP.DESIGNPRESS105A.R | 192.105(a) (192.105(b), 192.107(a), 192.107(b), 192.109(a), 192.109(b), 192.111(a), 192.111(b), 192.111(c), 192.111(d), 192.113, 192.115) | Do design records and drawings indicate the design pressure of steel pipe is established in accordance with 192.105(a)? |
| 56 | (and 1 other asset) | NA | | DC.DP | 3 | DC.DP.AMAOP.R | 192.112(a) (192.112(b), 192.112(c), 192.112(d), 192.112(e), 192.112(f), 192.112(g), 192.112(h)) | Do design records indicate alternative MAOP replacement pipe and components meet the additional design requirements of 192.112? |
| 57 | (and 1 other asset) | Sat | | DC.DPCCMP | 1 | DC.DPCCMP.CMPBLDGLOCATE.P | 192.143 (192.163(a), 192.163(b), 192.163(c), 192.163(d), 192.163(e)) | Does the process require that, as applicable to the project, compressor building locations meet the requirements of 192.163? |
| 58 | (and 1 other asset) | Sat | | DC.DPCCMP | 2 | DC.DPCCMP.CMPBLDGLOCATE.R | 192.163(a) (192.163(b), 192.163(c), 192.163(d), 192.163(e)) | Do design records and installation/construction drawings indicate that, as applicable to the project, compressor building locations meet the requirements of 192.163? |
| 59 | (and 1 other asset) | Sat | | DC.DPCCMP | 3 | DC.DPCCMP.CMPBLDGLOCATE.O | 192.141 (192.163(a), 192.163(b), 192.163(c), 192.163(d), 192.163(e)) | Do compressor building locations meet the requirements of 192.163(a)? |
| 60 | (and 1 other asset) | Sat | | DC.DPCCMP | 4 | DC.DPCCMP.CMPLIQPROT.O | 192.141 (192.165(a), 192.615(b)) | Are compressors protected from liquids and, as applicable, liquid separators for compressors installed, in accordance with 192.165? |
| 61 | (and 1 other asset) | Sat | | DC.DPCCMP | 5 | DC.DPCCMP.CMPLIQPROT.P | 192.143 (192.165(a), 192.165(b)) | Does the process require that compressors are protected from liquids? |
| 62 | (and 1 other asset) | Sat | | DC.DPCCMP | 6 | DC.DPCCMP.CMPLIQPROT.R | 192.165(a) (192.615(b)) | Do records indicate that compressors are protected from liquids? |
| 63 | (and 1 other asset) | Sat | | DC.DPCCMP | 7 | DC.DPCCMP.CMPESD.P | 192.143(a) (192.143(b), 192.167(a), 192.167(b), 192.167(c)) | Does the process require that compressor station emergency shutdown systems meet the requirements of 192.167(a)? |
| 64 | (and 1 other asset) | Sat | | DC.DPCCMP | 8 | DC.DPCCMP.CMPESD.R | 192.167(a) (192.167(b), 192.167(c)) | Do records indicate that compressor station emergency shutdown systems meet the requirements of 192.167(a)? |
| 65 | (and 1 other asset) | Sat | | DC.DPCCMP | 9 | DC.DPCCMP.CMPESD.O | 192.141 (192.167(a), 192.167(b), 192.167(c)) | Do compressor station emergency shutdown systems (except for unattended field compressor stations of 1,000 HP or less) meet the requirements of 192.167(a)? |
| 66 | (and 1 other asset) | Sat | | DC.DPCCMP | 10 | DC.DPCCMP.CMPPRESSLIMIT.P | 192.143(a) (192.143(b), 192.169(a), 192.169(b)) | As applicable to the project, does the process require that compressor stations have pressure relief or other suitable protective devices? |
| 67 | (and 1 other asset) | Sat | | DC.DPCCMP | 11 | DC.DPCCMP.CMPPRESSLIMIT.R | 192.169(a) (192.169(b)) | As applicable to the project, do records indicate that compressor stations have pressure relief or other suitable protective devices? |
| 68 | (and 1 other asset) | Sat | | DC.DPCCMP | 12 | DC.DPCCMP.CMPPRESSLIMIT.O | 192.141 (192.169(a), 192.169(b)) | As applicable to the project, are pressure relief or other suitable protective devices being installed at compressor stations in accordance with 192.169? |
| 69 | (and 1 other asset) | Sat | | DC.DPCCMP | 13 | DC.DPCCMP.CMPSAFETYEQUIP.P | 192.143(a) (192.143(b), 192.171(a), 192.171(b), 192.171(c), 192.171(d), 192.171(e)) | As applicable to the project, does the process require that additional compressor station safety equipment is in accordance with 192.171? |
| 70 | (and 1 other asset) | NA | | DC.DPCCMP | 14 | DC.DPCCMP.CMPSAFETYEQUIP.R | 192.171(a) (192.171(b), 192.171(c), 192.171(d), 192.171(e)) | As applicable to the project, do records indicate that additional compressor station safety equipment is in accordance with 192.171? |

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| 71 | (and 1 other asset) | NA | | DC.DPCCMP | 15 | DC.DPCCMP.CMPSAFETYEQUIP.O | 192.141 (192.171(a), 192.171(b), 192.171(c), 192.171(d), 192.171(e)) | As applicable to the project, is additional compressor station safety equipment in accordance with 192.171? |
| 72 | (and 1 other asset) | Sat | | DC.DPCCMP | 16 | DC.DPCCMP.CMPVENTILATE.P | 192.143(a) (192.143(b), 192.173) | As applicable to the project, does the process require that compressor buildings are ventilated to prevent the accumulation of gas? |
| 73 | (and 1 other asset) | NA | | DC.DPCCMP | 17 | DC.DPCCMP.CMPVENTILATE.R | 192.173 | As applicable to the project, do records indicate that compressor buildings are ventilated to prevent the accumulation of gas? |
| 74 | (and 1 other asset) | NA | | DC.DPCCMP | 18 | DC.DPCCMP.CMPVENTILATE.O | 192.141 (192.173) | As applicable to the project, are compressor buildings ventilated to prevent the accumulation of gas? |
| 75 | (and 1 other asset) | Sat | | DC.DPCOPP | 1 | DC.DPCOPP.OVERPRESSURE.P | 192.143(a) (192.143(b), 192.195(a), 192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h), 192.201(a), 192.201(b), 192.201(c)) | Does the process require the pipeline have pressure relieving or pressure limiting devices that are required of 192.195(a), and that they meet the requirements of 192.199 and 192.201? |
| 76 | (and 1 other asset) | Sat | | DC.DPCOPP | 2 | DC.DPCOPP.OVERPRESSURE.R | 192.195(a) (192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h), 192.201(a), 192.201(b), 192.201(c)) | Do records indicate that the pipeline has pressure relieving or pressure limiting devices that are required of 192.195(a), and that they meet the requirements of 192.199 and 192.201? |
| 77 | (and 1 other asset) | Sat | | DC.DPCOPP | 3 | DC.DPCOPP.OVERPRESSURE.O | 192.195(a) (192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h), 192.201(a), 192.201(b), 192.201(c)) | Are required pressure relieving or pressure limiting devices being installed, and do they meet the requirements of 192.199 and 192.201? |
| 78 | (and 1 other asset) | Sat | | DC.DPCOPP | 4 | DC.DPCOPP.PRESSLIMIT.P | 192.143(a) (192.143(b), 192.199(a), 192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h)) | Does the process require that pressure relieving or pressure limiting devices meet the requirements of 192.199? |
| 79 | (and 1 other asset) | Sat | | DC.DPCOPP | 5 | DC.DPCOPP.PRESSLIMIT.R | 192.199(a) (192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h)) | Do records indicate that pressure relieving or pressure limiting devices meet the requirements of 192.199? |
| 80 | (and 1 other asset) | Sat | | DC.DPCOPP | 6 | DC.DPCOPP.PRESSLIMIT.O | 192.199(a) (192.199(b), 192.199(c), 192.199(d), 192.199(e), 192.199(f), 192.199(g), 192.199(h)) | Do pressure relieving or pressure limiting devices meet the requirements of 192.199? |
| 81 | (and 1 other asset) | Sat | | DC.DPCOPP | 7 | DC.DPCOPP.PRESSLIMITCAP.P | 192.143(a) (192.143(b), 192.201(a), 192.201(b), 192.201(c)) | Does the process require that pressure relief or pressure limiting stations being installed comply with 192.201? |
| 82 | (and 1 other asset) | Sat | | DC.DPCOPP | 8 | DC.DPCOPP.PRESSLIMITCAP.R | 192.201(a) (192.201(b), 192.201(c)) | Do records indicate that pressure relief or pressure limiting stations being installed comply with 192.201? |
| 83 | (and 1 other asset) | NA | | DC.DPCOPP | 9 | DC.DPCOPP.PRESSLIMITCAP.O | 192.201(a) (192.201(b), 192.201(c)) | Do pressure relief or pressure limiting stations comply with the requirements of 192.201? |
| 84 | (and 1 other asset) | Sat | | DC.DPC | 2 | DC.DPC.VALVE.R | 192.145(a) (192.145(b), 192.145(c), 192.145(d)) | Do records indicate valves comply with the requirements of 192.145? |
| 85 | (and 1 other asset) | Sat | | DC.DPC | 3 | DC.DPC.VALVE.O | 192.141 (192.145(a), 192.145(b), 192.145(c), 192.145(d)) | Do valves comply with the requirements of 192.145? |
| 86 | (and 1 other asset) | Sat | | DC.DPC | 4 | DC.DPC.FLANGE.R | 192.147(a) (192.147(b), 192.147(c)) | Do records indicate flanges and flange accessories meet the requirements of 192.147? |
| 87 | (and 1 other asset) | Sat | | DC.DPC | 5 | DC.DPC.FLANGE.O | 192.141 (192.147(a), 192.147(b), 192.147(c)) | Do flanges and flange accessories meet the requirements of 192.147? |
| 88 | (and 1 other asset) | Sat | | DC.DPC | 6 | DC.DPC.STANDARDFITTING.R | 192.149(a) (192.149(b)) | Do records indicate standard fittings are in compliance with 192.149? |
| 89 | (and 1 other asset) | Sat | | DC.DPC | 7 | DC.DPC.STANDARDFITTING.O | 192.149(a) (192.149(b)) | Are standard fittings are in compliance with 192.149? |
| 90 | (and 1 other asset) | Sat | | DC.DPC | 17 | DC.DPC.FLEXIBLE.P | 192.143(a) (192.159) | Does the process require pipeline flexibility design to be accordance with 192.159? |

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| 91 | (and 1 other asset) | Sat | | DC.DPC | 18 | DC.DPC.FLEXIBLE.R | 192.159 | Do records indicate that pipeline flexibility is designed in accordance with 192.159? |
| 92 | (and 1 other asset) | Sat | | DC.DPC | 19 | DC.DPC.SUPPORT.R | 192.161(a) (192.161(b), 192.161(c), 192.161(d), 192.161(e), 192.161(f)) | Do records indicate piping and associated equipment have sufficient anchors or supports to prevent undue strain on connected equipment, resist longitudinal forces, and prevent or dampen excessive vibration? |
| 93 | (and 1 other asset) | NA | | DC.DPC | 20 | DC.DPC.SUPPORT.O | 192.141 (192.161(a), 192.161(b), 192.161(c), 192.161(d), 192.161(e), 192.161(f)) | Are anchors and supports being installed as required by 192.161? |
| 94 | (and 1 other asset) | Sat | | DC.DPC | 21 | DC.DPC.VALVESPACE.P | 192.143 (192.179(a), 192.179(a)(1), 192.179(a)(2), 192.179(a)(3), 192.179(a)(4), 192.179(b), 192.179(c), 192.179(d)) | Does the process require transmission line valve spacing to be accordance with 192.179(a)? |
| 95 | (and 1 other asset) | NA | | DC.DPC | 22 | DC.DPC.VALVESPACE.R | 192.179(a) (192.179(a)(1), 192.179(a)(2), 192.179(a)(3), 192.179(a)(4), 192.179(b), 192.179(c), 192.179(d)) | Do records indicate that transmission line valve spacing is in accordance with 192.179(a)? |
| 96 | (and 1 other asset) | Sat | | DC.DPC | 23 | DC.DPC.VALVESPACE.O | 192.141 (192.179(a), 192.179(b), 192.179(c), 192.179(d)) | Are transmission line valves being installed as required of 192.179? |
| 97 | (and 1 other asset) | NA | | DC.DPC | 38 | DC.DPC.VAULTWATER.P | 192.143(a) (192.143(b), 192.189(a), 192.189(b), 192.189(c)) | As applicable to the project, does the process require that underground vaults or pits are protected from water intrusion as required of 192.189? |
| 98 | (and 1 other asset) | Sat | | DC.DPC | 44 | DC.DPC.INTCORRODE.P | 192.453 (192.476(a), 192.476(b), 192.476(c)) | Does the process require that the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of 192.476? |
| 99 | (and 1 other asset) | NA | | DC.DPC | 45 | DC.DPC.INTCORRODE.R | 192.476(a) (192.476(b), 192.476(c)) | Do records demonstrate the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of 192.476? |
| 100 | (and 1 other asset) | NA | | DC.DPC | 46 | DC.DPC.INTCORRODE.O | 192.476(a) (192.476(b), 192.476(c)) | Does the transmission project's design and construction comply with 192.476? |
| 101 | (and 1 other asset) | NA | | DC.DPC | 47 | DC.DPC.AMAOP.R | 192.620(a) (192.620(b)) | Do records indicate alternative MAOP replacement facilities/components meet the design and test factor requirements listed in 192.620(a)? |
| 102 | (and 1 other asset) | Sat | | DC.MA | 1 | DC.MA.NEWPIPE.P | 192.53(a) (192.53(b), 192.53(c), 192.55(a), 192.55(b), 192.55(c), 192.55(d), 192.55(e)) | Does the process require new steel pipe to be qualified in accordance with 192.55(a)? |
| 103 | (and 1 other asset) | Sat | | DC.MA | 2 | DC.MA.NEWPIPE.R | 192.55(a) (192.55(b), 192.55(c), 192.55(d), 192.55(e)) | Do records indicate new steel pipe is qualified in accordance with 192.55(a)? |
| 104 | (and 1 other asset) | Sat | | DC.MA | 3 | DC.MA.NEWPIPE.O | 192.55(a) (192.55(b), 192.55(c), 192.55(d), 192.55(e)) | Is new steel pipe observed to be qualified in accordance with 192.55(a)? |
| 105 | (and 1 other asset) | Sat | | DC.MA | 6 | DC.MA.MARKING.P | 192.53(a) (192.53(b), 192.53(c), 192.63(a), 192.63(b), 192.63(c), 192.63(d)) | Does the process require pipe, valves, and fittings to be marked? |
| 106 | (and 1 other asset) | NA | | DC.MA | 7 | DC.MA.MARKING.R | 192.63(a) (192.63(b), 192.63(c), 192.63(d)) | Do records indicate that pipe, valves, and fittings were marked as required? |
| 107 | (and 1 other asset) | Sat | | DC.MA | 8 | DC.MA.MARKING.O | 192.63(a) (192.63(b), 192.63(c), 192.63(d)) | Are pipe, valves, and fittings properly marked for identification? |
| 108 | (and 1 other asset) | NA | | DC.PT | 1 | DC.PT.PRESSTEST.P | 192.605(b) (192.303, 192.503(a), 192.503(b), 192.503(c), 192.503(d)) | Does the process require pressure testing to be conducted for new segments of pipeline, or return to service segments of pipeline that are being relocated or replaced? |
| 109 | (and 1 other asset) | Sat | | DC.PT | 2 | DC.PT.PRESSTEST.R | 192.503(a) (192.503(b), 192.503(c), 192.503(d)) | Do records indicate that pressure testing is conducted in accordance with 192.503? |
| 110 | (and 1 other asset) | Sat | | DC.PT | 3 | DC.PT.PRESSTEST.O | 192.503(a) (192.503(b), 192.503(c), 192.503(d)) | Is pressure testing conducted in accordance with 192.503? |

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| 111 | (and 1 other asset) | NA | | DC.PT | 4 | DC.PT.PRESSTESTHIGHSTRESS.P | 192.605(b) (192.303, 192.505(a), 192.505(b), 192.505(c), 192.505(d), 192.505(e)) | Does the process require compliance with the requirements of 192.505, when pressure testing steel pipelines to operate at a hoop stress of 30% or more of SMYS? |
| 112 | (and 1 other asset) | NA | | DC.PT | 5 | DC.PT.PRESSTESTHIGHSTRESS.R | 192.517(a) (192.505(a), 192.505(b), 192.505(c), 192.505(d), 192.505(e)) | Is pressure testing conducted in accordance with 192.505? |
| 113 | (and 1 other asset) | NA | | DC.PT | 6 | DC.PT.PRESSTESTHIGHSTRESS.O | 192.505(a) (192.505(b), 192.505(c), 192.505(d), 192.505(e)) | Is pressure testing conducted in accordance with 192.505? |
| 114 | (and 1 other asset) | NA | -2 | DC.PT | 10 | DC.PT.PRESSTESTENVIRON.P | 192.303 (192.515(a), 192.515(b), 192.605(b)) | Does the process require disposal of the test medium in a manner that will minimize damage to the environment? |
| 115 | (and 1 other asset) | NA | -2 | DC.PT | 11 | DC.PT.PRESSTESTENVIRON.R | 192.517(a) (192.515(a), 192.515(b)) | Do records indicate that pressure testing and medium disposal is conducted in accordance with 192.515? |
| 116 | (and 1 other asset) | NA | -2 | DC.PT | 12 | DC.PT.PRESSTESTENVIRON.O | 192.515(a) (192.515(b)) | Are pressure testing and medium disposal conducted in accordance with 192.515? |
| 117 | (and 1 other asset) | Sat | -2 | DC.PT | 13 | DC.PT.PRESSTESTRECORD.P | 192.303 (192.517(a), 192.605(b)) | Does the process require the creation, and retention for the useful life of the pipeline, a record of each test performed under 192.505 and 192.507? |
| 118 | (and 1 other asset) | NA | -2 | DC.PT | 14 | DC.PT.PRESSTESTRECORD.R | 192.517(a) | As applicable to the project, verify that test records are being made and contain information required by 192.517(a). |
| 119 | (and 1 other asset) | NA | -2 | DC.PTLOWPRESS | 7 | DC.PT.PRESSTESTENVIRON.P | 192.303 (192.515(a), 192.515(b), 192.605(b)) | Does the process require disposal of the test medium in a manner that will minimize damage to the environment? |
| 120 | (and 1 other asset) | NA | -2 | DC.PTLOWPRESS | 8 | DC.PT.PRESSTESTENVIRON.R | 192.517(a) (192.515(a), 192.515(b)) | Do records indicate that pressure testing and medium disposal is conducted in accordance with 192.515? |
| 121 | (and 1 other asset) | NA | -2 | DC.PTLOWPRESS | 9 | DC.PT.PRESSTESTENVIRON.O | 192.515(a) (192.515(b)) | Are pressure testing and medium disposal conducted in accordance with 192.515? |
| 122 | (and 1 other asset) | Sat | -2 | DC.PTLOWPRESS | 10 | DC.PT.PRESSTESTRECORD.P | 192.303 (192.517(a), 192.605(b)) | Does the process require the creation, and retention for the useful life of the pipeline, a record of each test performed under 192.505 and 192.507? |
| 123 | (and 1 other asset) | NA | -2 | DC.PTLOWPRESS | 11 | DC.PT.PRESSTESTRECORD.R | 192.517(a) | As applicable to the project, verify that test records are being made and contain information required by 192.517(a). |
| 124 | (and 1 other asset) | Sat | -2 | FS.CS | 2 | DC.COCMP.CMPCOMBUSTIBLE.O | 192.735(a) (192.735(b)) | Are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)? |
| 125 | (and 1 other asset) | Sat | -2 | FS.CS | 18 | DC.COCMP.CMPCOMBUSTIBLE.P | 192.303 (192.735(a), 192.735(b)) | Does the process include requirements for the storage of flammable/combustible materials and specify that aboveground oil or gasoline storage tanks being installed at compressor stations be protected in accordance with NFPA No. 30, as required of 192.735(b)? |
| 126 | (and 1 other asset) | NA | -2 | FS.CS | 19 | DC.COCMP.CMPCOMBUSTIBLE.R | 192.735(a) (192.735(b)) | As applicable to the project, are flammable/combustible materials stored as required and aboveground oil or gasoline storage tanks installed at compressor stations protected in accordance with NFPA No. 30, as required by 192.735(b)? |
| 127 | (and 1 other asset) | NA | -2 | MO.GM | 4 | MO.GM.RECORDS.R | 192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c)) | Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test? |

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| 128 | (and 1 other asset) | NA | -2 | MO.GMOPP | 3 | MO.GM.RECORDS.R | 192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c)) | Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test? |
| 129 | (and 1 other asset) | Sat | | TD.CPMONITOR | 17 | TD.CPMONITOR.TESTLEAD.P | 192.605(b)(2) (192.471(a), 192.471(b), 192.471(c)) | Does the process provide adequate instructions for the installation of test leads? |
| 130 | (and 1 other asset) | NA | | TD.CPMONITOR | 18 | TD.CPMONITOR.TESTLEAD.R | 192.491(c) (192.471(a), 192.471(b), 192.471(c)) | Do records document that pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I? |
| 131 | (and 1 other asset) | NA | | TD.CPMONITOR | 19 | TD.CPMONITOR.TESTLEAD.O | 192.471(a) (192.471(b), 192.471(c)) | Do pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I? |
| 132 | (and 1 other asset) | Sat | | TD.COAT | 1 | TD.COAT.NEWPIPE.P | 192.605(b)(2) (192.455(a)(1), 192.461(a), 192.461(b), 192.483(a)) | 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? |
| 133 | (and 1 other asset) | Sat | | TD.COAT | 2 | TD.COAT.NEWPIPE.R | 192.491(c) (192.455(a)(1), 192.461(a), 192.461(b), 192.483(a)) | Do records document that each buried or submerged pipeline installed after July 31, 1971 has been externally coated with a suitable coating material? |
| 134 | (and 1 other asset) | Sat | | TD.COAT | 6 | TD.COAT.COATAPPLY.O | 192.461(a) (192.461(c), 192.461(d), 192.461(e), 192.319(b), 192.483(a)) | Is protective coating adequately applied? |
| 135 | (and 1 other asset) | NA | | TQ.PROT9 | 1 | TQ.PROT9.CORRECTION.O | 192.801(a) (192.809(a)) | Have potential issues identified by the OQ plan inspection process been corrected at the operational level? |
| 136 | (and 1 other asset) | NA | | TQ.PROT9 | 2 | TQ.PROT9.TASKPERFORMANCE.O | 192.801(a) (192.809(a)) | Verify the qualified individuals performed the observed covered tasks in accordance with the operator's processes or operator approved contractor processes. |
| 137 | (and 1 other asset) | NA | | TQ.PROT9 | 3 | TQ.PROT9.QUALIFICATIONSTATUS.O | 192.801(a) (192.809(a)) | Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks. |
| 138 | (and 1 other asset) | NA | | TQ.PROT9 | 4 | TQ.PROT9.AOCRECOG.O | 192.801(a) (192.809(a)) | Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed. |
| 139 | (and 1 other asset) | NA | | TQ.PROT9 | 5 | TQ.PROT9.VERIFYQUAL.O | 192.801(a) (192.809(a)) | Observe in the field (job site, local office, etc.) that the foreman/supervisor/manager has verified the qualification of the individual performing the task, that the qualification records are current, and ensure the personal identification of all individuals performing covered tasks are checked, prior to task performance. |

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

*Report Parameters: All non-empty Results*

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.

**From:** Jim Fisher <Jim.Fisher@scc.virginia.gov>
**Sent:** Friday, May 4, 2018 1:07 PM
**To:** Drew Eaken; Sean Wallace; Stephen Moore; Stuart Rott; Scott A. Marshall; Klesin, Joseph (PHMSA); Small, Barry (PHMSA); Puth, Gregory (PHMSA)
**Subject:** EQT MVP SEAP Training

Gentlemen,

Per our last conference call with EQT they have set the date and location for the training. I have spoken to most of you about it and your availability was confirmed to be good for the 14th. See below:

EQT SEAP Training relative to MVP Project

Monday, May 14th at 10am

Cross Pointe Foursquare Conf Ctr
900 Life Dr
Christiansburg, VA 24073

I will send out a meeting invite next week. Thanks and have a good weekend.

V/R

Jim

James B. Fisher
Sr. Utilities Engineer
State Corporation Commission
1300 East Main Street
Richmond, Virginia 23219
jim.fisher@scc.virginia.gov
(804) 371-9568 - Office
(804) 840-0265 - Cell
(804) 225-1058 - Fax

**From:** Jim Fisher <Jim.Fisher@scc.virginia.gov>
**Sent:** Friday, June 15, 2018 8:44 AM
**To:** Puth, Gregory (PHMSA)
**Subject:** FW: Weld Coating Conversation
**Attachments:** SPC Application Booklet v12 rev 5.pdf

Per our discussion.

-----Original Message-----
From: Jim Fisher
Sent: Thursday, June 14, 2018 8:41 AM
To: 'Butler, John' <JButler@eqt.com>
Subject: RE: Weld Coating Conversation

Per our discussion see attached.

-----Original Message-----
From: Butler, John [mailto:JButler@eqt.com]
Sent: Wednesday, June 13, 2018 9:44 PM
To: Jim Fisher <Jim.Fisher@scc.virginia.gov>
Subject: Weld Coating Conversation

Jim,

I'd like to give you a call tomorrow and discuss the SP2888 product application. Will you have time?

John D.Butler, P.E.
EQT Midstream
Compliance Engineer
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-348-3809
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# SPC 100% SOLIDS COATING APPLICATION CERTIFICATION (BRUSH GRADE) & SAFETY ORIENTATION

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# AGENDA FOR SPC COATING TRAINING DAY

**Purpose:** The objective of SPCs training course is to ensure all project personnel involved with the application and inspection of SPC coatings are familiar with SPCs surface preparation, mixing procedure and coating application requirements.

**Attendance:** Attendees should include all project personnel who will be doing coating related work such as blasting, mixing, coating application, inspection, etc.

**Schedule:** The training course will consist of two segments. The first portion is a classroom session with a video presentation, followed by the distribution of test booklets to be completed by the trainees. The second portion is practical application training. The time frame will be dependent on the number of participants. Please contact SPC for further details.

## Classroom

**Requirements:** A room with tables and chairs that is large enough to accommodate all personnel involved in the training would be preferable, but not mandatory. Audio visual equipment for a video presentation would be helpful, but not mandatory.

**Content:** Coating safety: PPE, product handling, product data sheet, MSDS, etc.

Surface Prep: instruments, assessing environmental conditions, pipe surface cleanliness, pre-heating, testing profile, etc.

Mixing: tools, product identification, pot life, mixing procedures, disposal, etc.

Coating application: tools, roll and brush coating, wet film thickness, belting, etc.

Inspection: instruments, testing hardness, dry film thickness, etc.

Repairs: abrasion, cleaning, pre and post heating, cartridges, application, etc.

Question and answer discussion to clarify any information related to SPCs training.

## Practical Training

**Requirements:** Adequate supplies (brushes, rollers, mixers, paint sticks, SPC coating, etc.) to enable everyone in the classroom segment to apply product. Preferably enough scrap pipe for all to do their practical training on.

**Content:** This segment will cover practical application on a girth weld. The trainees will blast and apply coating (preheat if applicable) on surplus pipe in the yard, if available. Trainees who have an inspection role will have the opportunity to apply coating and inspect throughout the process, within the project's specifications. This process will give the SPC technical representative the opportunity to witness, provide feedback and coach the trainees. All trainees must do the practical training to receive a SPC Brush Certificate.

Once all trainees have completed the classroom and practical training, coating can continue onto the project pipeline. This will give the SPC technical representative another opportunity to observe and coach trainees on the coating application of SPCs products.

# INTRODUCTION

With a client base that spans the globe, SPC has established a reputation as the foremost innovator of anti-corrosion coating and lining technology.

SPC is the expert manufacturer and distributor of 100% solids, (no V-O-Cs), polyurethane, epoxy urethane and advanced novolac epoxy coatings.

Our progressive methods begin in the lab, and continue in the field with customized coating and lining systems formulated for the Pipeline, Marine and Industrial industries.

This Certification Training Module will assist you in application of SPC 100% solids brush grade product lines for the pipeline industry.

The purpose of this orientation is to provide knowledge and understanding of working with 100% solids liquid coating in a safe manner. It is essential that every employee read, understand and follow these instructions.

It is also very important that co-workers assist each other in observing when improper safety procedures are being employed.

100% Solids material is safe to work with, provided that adequate safety procedures are employed. It is therefore every employee's responsibility to ensure that proper safety procedures are employed, and that the safety equipment provided by your employer is utilized properly, with no exception.

100% solids coatings, regardless of the manufacturer, have the potential to cause injury if handled in an unsafe manner. Typical examples of exposure are skin irritations, rash and an itchy burning sensation (if this is observed, it is your responsibility to report it to your supervisor and safety manager immediately).

This orientation is designed to promote safe mixing, handling and application of 100% solids coating. However, it does not supersede safety programs already in place by your employer, or the company for which you were contracted to work.


Before working with SPC coatings,
you will need to ensure your safety with proper
personal protective equipment and hygiene.

Whether preparing the surface area, mixing product, or applying SPC coatings, long sleeved protective clothing should be worn over regular clothing. Cotton or disposable coveralls are recommended.

Be sure to cover all areas of arms, legs and torso.

You will need chemical resistant gloves with a long cuff that will overlap clothing. Tape all seams to prevent any seepage of coating between clothing and gloves.

You must wear steel toe work boots.

An industry approved hardhat is required.

While preparing the surface area for application, sanding, filing or grit blasting may be required. During this step, one must wear appropriate respiratory protection as well as a blasting hood, side shield safety glasses, goggles, or a face shield to protect against abrasives.

Blasting hood

Side shield safety glasses

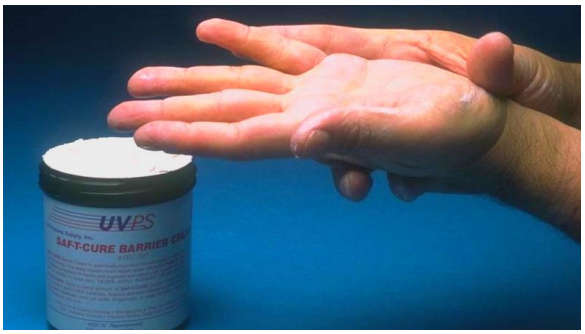
Goggles

Face shield

While mixing products, applying coating on a preheated substrate or coating within a confined space, a vapor respirator is required where vapor is encountered.

In areas with adequate ventilation, such as outdoor mixing and application, the use of a vapor respirator is normally not required. In this situation, side shield safety glasses, goggles, or a face shield should be worn.
When working with 100% solids coating, cleanliness is essential. Employee's should wash their hands and face with soap and water prior to eating. Clothes should be changed and cleaned on a regular basis (daily if possible).

If clothing is worn for more than one consecutive day, it should be thoroughly examined to ensure that no contamination is present. Clothing that has had non-activated coating exposure should be removed and replaced immediately. If any coating (whether activated or not) comes in contact with the skin, it should be removed immediately by washing with soap and water.




A barrier cream may be used in conjunction with protective measures, as an additional safeguard against skin contact.

Throughout the process of mixing and coating, be sure to have an emergency eyewash in close proximity.

Personal protective equipment and hygiene is essential to ensure a work safe environment.


It is important to follow SPCs Surface Preparation Steps
in order to ensure time efficiency and quality coating results.

# SURFACE PREPARATION TOOLS SPT

Before applying coating, you will need to prepare the surface area with the following surface preparation tools.

A steel file to remove weld spatter.

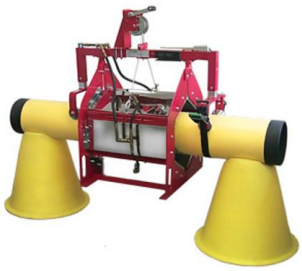
An abrasive blaster to clean the surface area, produce an anchor profile and enhance surface adhesion.

A digital hygrometer to measure ambient temperature, dew point temperature, and relative humidity.

A Testex spring micrometer and replica tape to measure surface profile of the substrate.


Blasted steel or visual photo comparators to determine the accuracy of the steel blast.

A probe thermometer to take surface temperature of the substrate.



In some cases, a preheating unit such as an induction coil or catalytic infrared heater will be required.

You may also need a portable pipeline cover.

**Solvents**

| | | |
|---|---|---|
| **SP-100** | **Equipment Wash** | **Spray machine cleaner** |
| **SP-110** | **Tool Cleaner** | **Dissolving gel or cured coating** |
| **SP-120** | **Internal Storage Lubricant** | **For spray pump, when the pump is not in use** |
| **SP-140** | **Epoxy Thinner** | **Solvent** |
| **SP-150** | **Polyurethane Thinner** | **Solvent** |

At times a solvent may be used for removing pipe surface contaminants.

Once you have your surface preparation kit assembled, and you have abided by SPCs 'standards of personal protection equipment and hygiene', you are ready to begin surface preparation.

# SURFACE PREPARATION STEP 1
## Assess Environmental Conditions

SP1

Your first step to a successful coating application is to assess the day's weather conditions.

If the weather is moderate, preheating is not normally required. In periods of inclement weather, such as extreme cold, snow, or rain, a preheating system should be used to maintain optimal substrate temperatures during the pipeline coating process.

An induction coil or catalytic infrared heater can be used to heat the surface area during inclement weather.

During weather such as rain or snow, a portable pipeline cover may be required.

## SURFACE PREPARATION STEP 2
## Plan Ahead
SP2

After assessing the weather conditions, plan on preparing and coating a reasonable amount of pipe within the days' work period.


Be sure to have adequate coating and supplies to accomplish the scope of work for the day.

## SURFACE PREPARATION STEP 3
## Inspect Pipe Surface
SP3

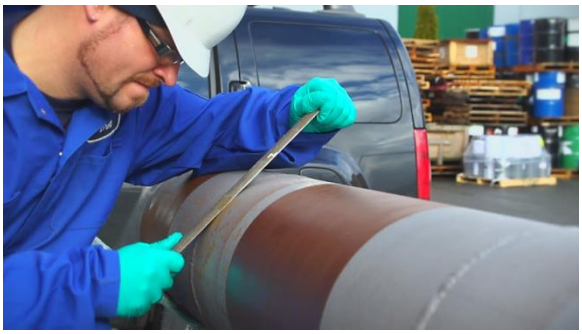
It is important to inspect the pipe surface for any deficiencies.

Look for any rough welds, weld spatter, or any contaminants on the surface to be coated.

If there are any contaminants, such as paint or markings, a solvent wipe may be required.

## SURFACE PREPARATION STEP 4
## Remove Weld Spatter
## SP4

Removing weld spatter helps ensure coating integrity.



All weld spatter must be removed from the surface utilizing a metal file.

Ensure you remove only weld spatter. Do not degrade the pipe surface.

## SURFACE PREPARATION STEP 5
## Check for Rough Welds
## SP5

Prior to coating, the welding crew has the responsibility of grinding any rough welds to remove high asperity areas.

Check weld bead for high asperities areas

If the applicator has concerns regarding a rough weld, it is advisable to contact your foreman to evaluate and have any issues rectified.

## SURFACE PREPARATION STEP 6
## Abrasive Blast Surface
SP6

Abrasive blasting helps with coating adhesion on the substrate.

Unless otherwise stated in SPCs product documentation, all surfaces to be coated shall be abrasive blasted to SSPC SP-10 (Near White), NACE 2 or SA 2½ cleanliness standard.


Abrasive blasting must be initiated a minimum of 50 mm (2 inches) onto the existing coating to ensure proper adhesion.

All blasting onto existing coating must be directed from the coated surface to the adjacent substrate, rather than from the substrate to the coated surface. Abrasive blasting must be done to all areas to be coated: weld bead, pits and structural members.

## SURFACE PREPARATION STEP 7
## Clean Surface Area
SP7

Unless otherwise stated in SPCs product documentation, all surfaces to be coated must be completely free of moisture, soil, dust, and grit at the time the coating is applied.

Use a brush or compressed air to ensure the surface profile is clean of all blasting material.

Note that any surface that has been allowed to 'flash rust' must be sweep-blasted.

# SURFACE PREPARATION STEP 8
## Preheat Surface Area

SP8

To assess whether or not preheating is required, use a probe thermometer and a digital hygrometer. The acceptable substrate temperature range for the application of most SPC products is 10°C (50°F) to 100°C (212°F).

Probe thermometer

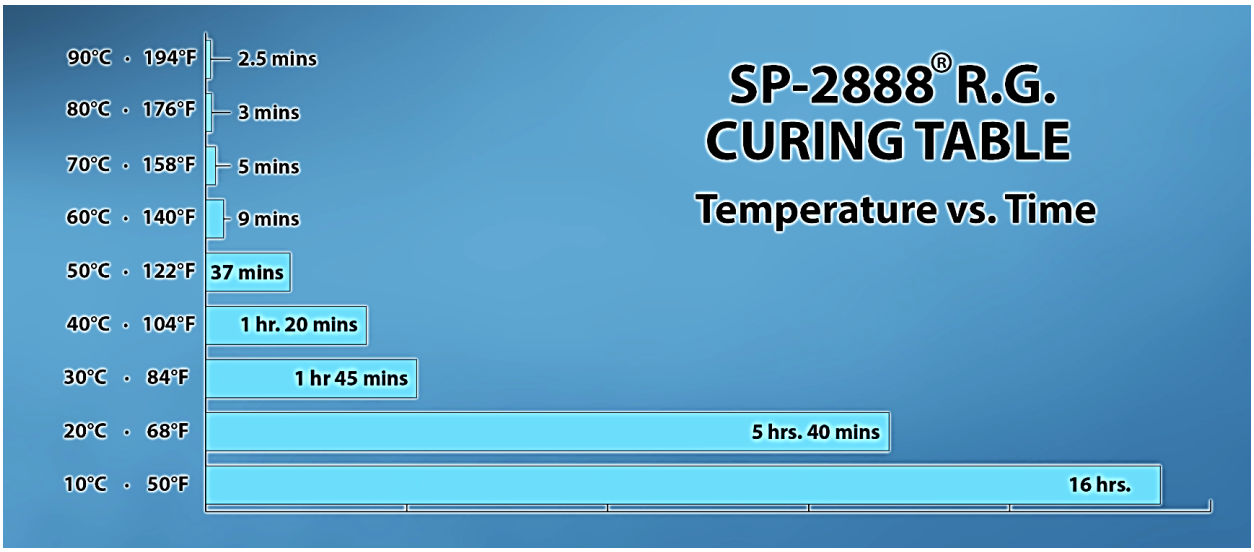
Digital hygrometer

Preheating of the substrate is required if the surface to be coated is below 10°C (50°F). The substrate temperature must also be a minimum of 3°C (5°F) above the dew point temperature. Preheating can be accomplished using a tiger torch prior to blasting, or after blasting with an induction coil, or catalytic infrared heater.

Tiger torch

Catalytic infrared heater

Applications at ambient temperatures above 20°C (68°F), generally do not require pre-heating. Preheating can be used to reduce the coating cure time, thus making the operation more efficient.




For example, SP-2888[R] RG will cure in approximately 30 minutes if the pipe temperature is 50°C (122°F). It will cure in less than 5 minutes at pre-heat temperatures between 70°C (158°F) and 95°C (203°F).

Cure determination is based on a Shore-D hardness of 85 @ 25°C (77°F). The chart above is for reference only.

Roller sleeve and brush usage will vary according to pipe temperature. High temperature preheats will increase roller and brush usage.

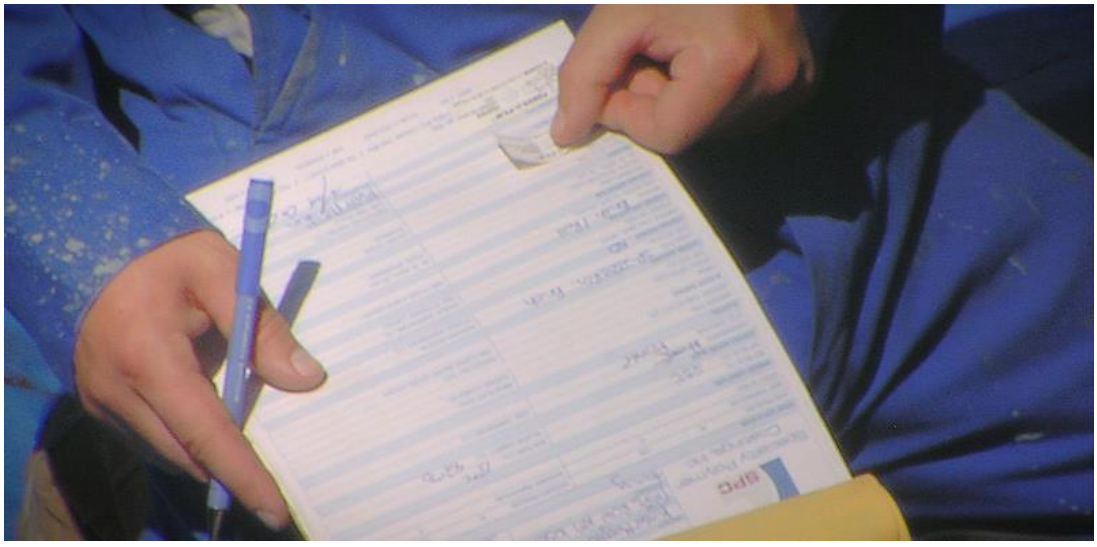
# SURFACE PREPARATION STEP 9
## Test Surface Profile
SP9

The surface profile can be measured using a Testex spring micrometer and replica tape pressofilm (extra coarse). One must test to ensure the resulting surface profile (peak to valley) is a minimum of 62.5 microns (2.5 mils) to a maximum of 125 microns (5 mils).

Testex spring micrometer


Testex tape pressofilm (extra coarse)

Following each step of SPCs Surface Preparation Guidelines will ensure you can be confident that coating application will go smoothly and be of the highest industry standard.



Record your test results in the SPC Inspection Checklist.


Mixing is a critical part of the coating process.

It is important to properly follow SPCs Coating Steps in order to ensure quality coating results.

Mixing can be performed in an enclosed space or open air. During cold weather application, an enclosed heated area is advisable.

SPC coatings consist of two components: Base and Hardener.


Kit sizes range anywhere from a ½ litre (½ quart) to 2½ litres (2½ quarts).

Coating kits should be stored at 5°C (41°F) to 40°C (104°F). Product storage temperature must be confirmed by referring to SPCs product documentation. Storing kits at the recommended temperature will maintain SPCs high level of quality control.

Many projects will have more than one kit size stored on site. Therefore, it is essential to identify the appropriate kit size in relation to the pipe diameter.

Coating kits are pre-measured for correct mix ratio. Measured by volume, there are three parts of Base to every one part of Hardener, unless otherwise stated in SPCs product documentation.

Never use the Base component of one product with the Hardener component of another product.

# MIXING TOOLS MT

When mixing SPCs 100% solids Base and Hardener, the following equipment is required:

Variable speed drill

Appropriate mixing impeller

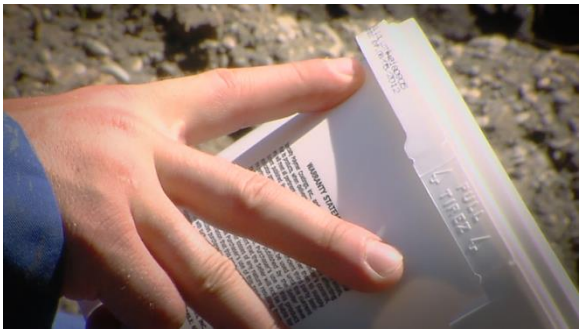

Spatula or mixing stick

CSA / Niosh approved mask
(if working in a protective enclosure
or confined space)

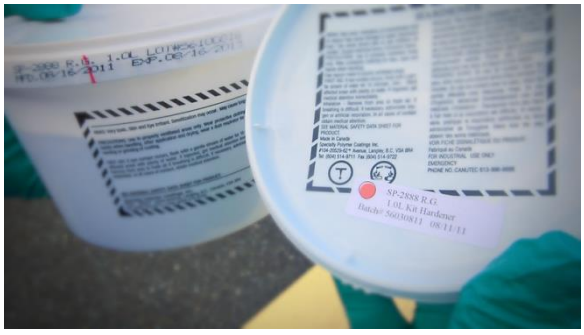
Once you have your mixing equipment assembled, and you have complied with SPCs 'standards of personal protection equipment and hygiene', you are ready to begin mixing SPC coating.

# MIXING COATING STEP 1
## Identify Product Components
M1

The first step of mixing coating is to identify the appropriate product components. For this example, a kit of SP-2888® RG has been chosen, that when mixed will yield one catalyzed litre, or one catalyzed quart of coating.



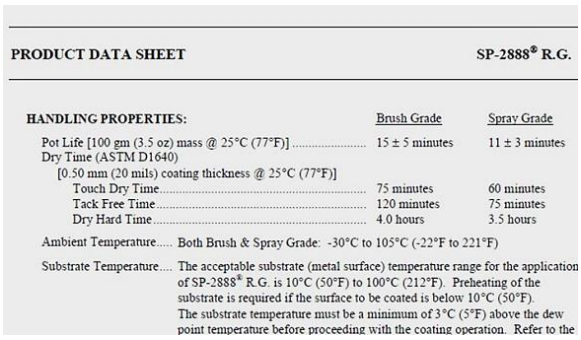
The applicator has identified that the Base container, and the Hardener container, are both SP-2888® RG.



The applicator has also ensured that the Base and Hardener are of the same related kit size.

The identification of batch numbers for quality control documentation as well as the verification of manufacturer or expiration dates is essential. This will ensure the coating you are applying is current product.

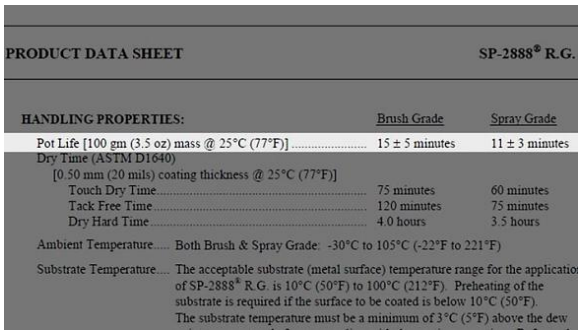
# MIXING COATING STEP 2
## Confirm Pot Life
M2



**PRODUCT DATA SHEET** — **SP-2888® R.G.**

| HANDLING PROPERTIES: | Brush Grade | Spray Grade |
|---|---|---|
| Pot Life [100 gm (3.5 oz) mass @ 25°C (77°F)] | 15 ± 5 minutes | 11 ± 3 minutes |
| Dry Time (ASTM D1640) [0.50 mm (20 mils) coating thickness @ 25°C (77°F)] | | |
| Touch Dry Time | 75 minutes | 60 minutes |
| Tack Free Time | 120 minutes | 75 minutes |
| Dry Hard Time | 4.0 hours | 3.5 hours |
| Ambient Temperature | Both Brush & Spray Grade: -30°C to 105°C (-22°F to 221°F) | |
| Substrate Temperature | The acceptable substrate (metal surface) temperature range for the application of SP-2888® R.G. is 10°C (50°F) to 100°C (212°F). Preheating of the substrate is required if the surface to be coated is below 10°C (50°F). The substrate temperature must be a minimum of 3°C (5°F) above the dew point temperature before proceeding with the coating operation. Refer to the | |

The workable pot life after mixing is stated within the product data sheet of the coating being utilized.



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In general terms the working pot life will be between 10 and 20 minutes at an ambient temperature of 25°C (77°F).

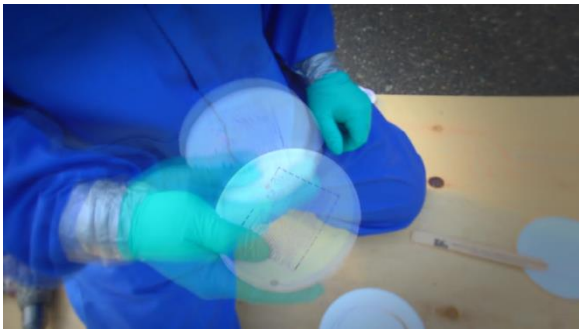
Pot life will be extended at lower temperatures and shortened at higher temperatures.

## MIXING COATING STEP 3
## Premix Base Component
## M3

Using a mixing stick, scrape the walls and bottom of the Base container to loosen the Base component.

Pre-mixing the Base component loosens it up and allows for easier mixing when the Hardener component is introduced.

## MIXING COATING STEP 4
## Premix Hardener Component
## M4



You can premix the Hardener component by shaking the container thoroughly.

You can also use a mixing stick to ensure that the Hardener component is well mixed.

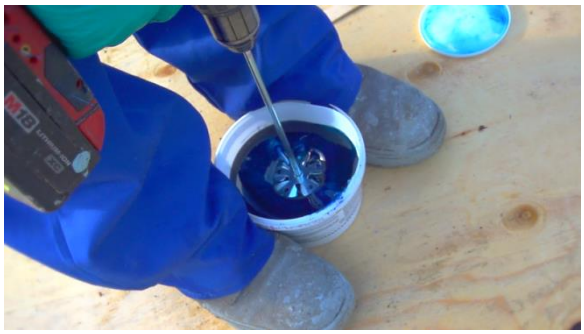
## MIXING COATING STEP 5
### Pour Pre-Measured Hardener
**M5**

Pour pre-measured Hardener component into the pre-measured Base component container.

Utilize a mixing stick to ensure the entire Hardener component is transferred to the Base component.

## MIXING COATING STEP 6
### Mix Hardener and Base
**M6**

Place the container of Base component, between your steel-toed boots.



Using an appropriate mixing impeller attached to a variable speed drill, begin mixing slowly.

Mix coating at a slow speed to ensure no vortex is created.

After the initial mix has been achieved, a mixing stick should be used to remove any unmixed coating from the sides of the Base component container.

Once the sides of the container have been cleared of unmixed coating, continue mixing with the impeller.

The best method to achieve a uniform mix, is to place the mixing impeller on the bottom of the container and slowly move the impeller in a circular motion.

Coating that is completely mixed will have NO color streaks or unmixed material on the walls of the container. Depending upon the temperature of the kit, generally the coating will be thoroughly mixed after 1 ½ to 2 minutes.

If you are following SPCs mixing instructions precisely, you will ensure a uniform mix and quality coating results. Upon completion of the mixing process, mix a small amount of activated Base component into the Hardener container. This allows for safe disposal of any leftover Hardener component.


Once you have prepared the surface area, mixed your Base and Hardener components to the right consistency, and you have abided by SPCs 'Standards of Personal Protection Equipment and Hygiene', you are ready to apply SPC coatings to the substrate.

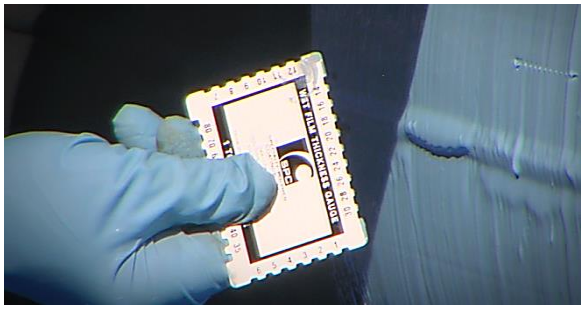
# APPLICATION TOOLS AT

The following application tools are required:

Brushes

Roller cages

Short nap mohair rollers (4mm or 1/8 inch pile)



A wet film thickness gauge to check film thickness during application.

Approved application tools are available through SPC.

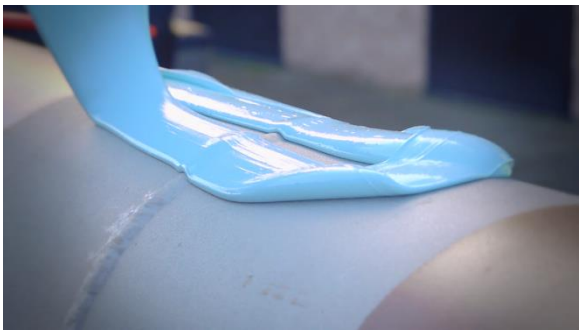
Before applying coating to the intended surface area, refer to SPCs Surface Preparation Checklist. Unless otherwise stated in SPCs product documentation, ensure that:

- ✓ The area is abrasive blasted to SSPC, SP-10 (NEAR WHITE), NACE 2 or SA2½ cleanliness standard
- ✓ The surrounding area is clean
- ✓ If it's windy and excessive dust, dirt, and debris is being blown around the area of the pipe to be coated, wet down the soil to ensure the coating will not be compromised
- ✓ The surface area is clean of soil, dust and grit
- ✓ The surface area is completely dry
- ✓ The minimum surface profile is 62.5 microns (2.5 mils) 'peak to valley'
- ✓ The maximum surface profile is 125 microns (5 mils) 'peak to valley'
- ✓ The temperature of the substrate must be at least 3°C (5°F) above the dew point

Ambient application temperatures below 1°C (33°F) must be watched carefully since ice crystals could be present in the surface profile, which could result in poor adhesion and reduced corrosion protection.

## APPLICATION STEP 1
## Pour Mixture
## A1

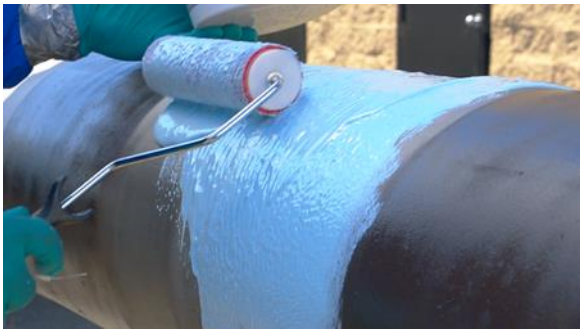
To begin application, pour an appropriate amount of the coating kit onto the top of the pipe to enable the wetting out of the rollers.



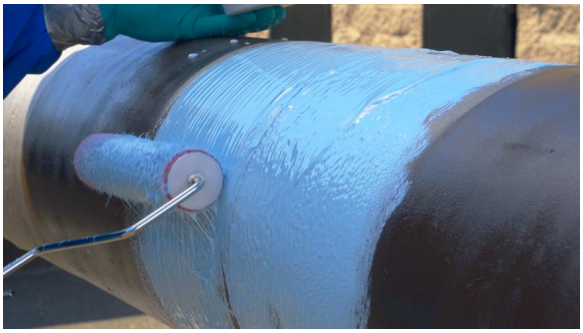
Pouring the coating onto the girth weld

## APPLICATION STEP 2
## Roll Mixture
## A2

After applying a portion of the coating kit to the girth weld, the next step is to roll the mixture around the circumference of the pipe.



First 'wet out' the roller. The coating should cover the entire surface of the roller, thus allowing it to spin with ease and apply coating efficiently.



Roll mixture around the substrate, moving the coating downward a little at a time.

It is best to maintain roller contact with the substrate until the coating that is being poured, has been distributed evenly around the pipe. NEVER lift the roller from the bottom of the pipe. ALWAYS remove application tools from the top of the pipe.

The kit is generally applied in multiple pours to achieve high builds of up to 1778 microns (70 mils).

Add appropriate amounts of coating to the top of the pipe and roll it down the pipe using the roller.

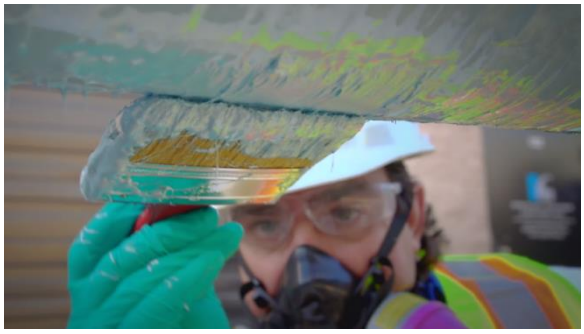
Continue rolling the coating around the girth weld until it has been evenly distributed.

A wet film thickness gauge can be used during the application process, to ensure consistent coating thickness.

## APPLICATION STEP 3
## Brush Mixture
## A3

After rolling the coating evenly around the pipe, use a 'wetted out' brush to smooth out the coating on the substrate.

Brush the coating until smooth.



Use coating from the container and apply it to areas that require additional thickness.

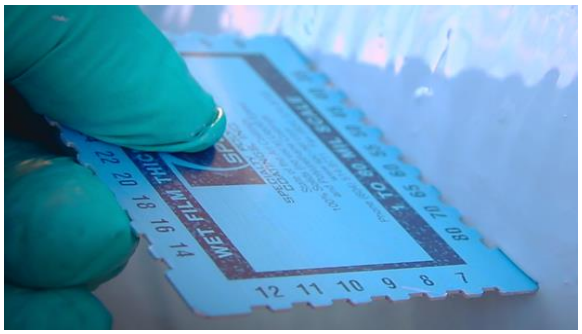
Be sure to feather the edges between the girth weld coating and the existing mainline coating.

# APPLICATION STEP 4
## Measure Wet Film Thickness

A4

Once the coating has been applied evenly around the surface with a roller and smoothed with a brush, it is time to measure 'wet film thickness' (WFT).


Wet film thickness (WFT) is measured using a 'wet film thickness gauge'.



Be sure to check wet film thickness on several areas of the coated surface.

The minimum W-F-T must be 508 microns (20 mils). The maximum W-F-T is up to 1778 microns (70 mils) without sagging. If the areas of the girth weld coating do not meet job specified thickness, use a brush to add more coating to thinly coated areas.

Brush over all W-F-T testing areas to ensure coating integrity.

Horizontal directional drilling and other special applications often require greater coating thickness. In these situations, please consult Specialty Polymer Coatings.

# APPLICATION STEP 5
## Belt Weld Bead

A5

The final step in the application is to 'belt' or 'stripe' the weld bead.

Apply the balance of the kit to the weld bead.

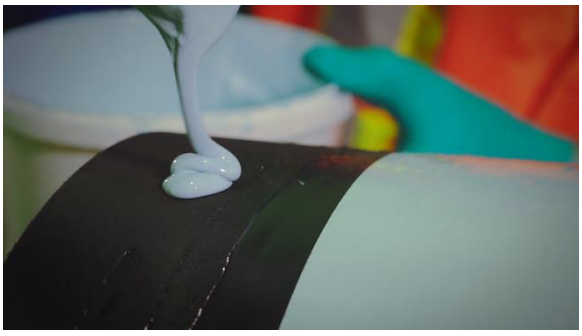
Brush around the weld bead to ensure adequate coating thickness to all high asperity areas.

Total coating time varies depending on demands of the project, the pipe's surface temperature, and applicator efficiency.

If any damage occurs to the freshly coated weld, additional product can be applied to the compromised area.

All SPC 100% solids coating can be over-coated while the coating is still tacky. Be sure to follow all SPC guidelines when applying a topcoat to a tacky undercoat.

To prepare for later hardness testing, the applicator must place a 25 mm (1 inch) daub of mixture at the top of the pipe. Please refer to the project specification for frequency.



The test sample must be placed at the top and outer edge of the newly applied coating.

This will allow for a hardness test later without compromising the girth weld's coating integrity.


After the coating has cured to a dry hard state,
the girth weld coating is tested for
hardness, thickness, and defects.

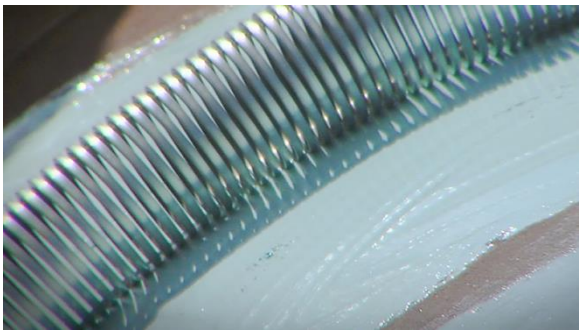
# INSPECTION TOOLS

IT

Inspecting the coating quality requires the following tools:

A Shore-D durometer hardness tester to measure coating hardness.


A dry film thickness gauge to check coating thickness.

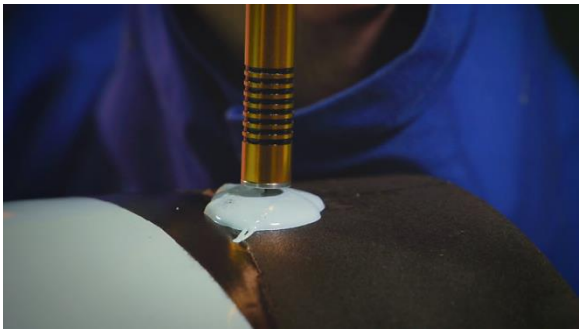


A holiday detector to test for coating imperfections.

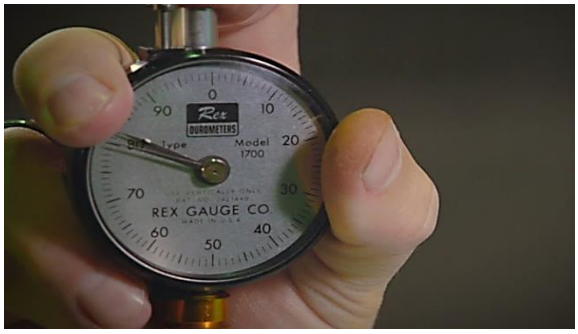
And a felt pen to mark coating deficiencies.

Approved inspection tools are available through SPC.

First, a Shore-D hardness tester confirms that the coating has cured to a dry hard state.

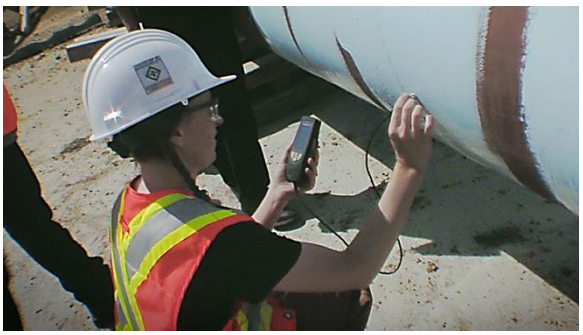


Insert the point of the Shore-D hardness tester into the testing sample.




Press the hardness tester into the coating, in one fluid motion, to activate the measuring gauge.

Once cured to a dry hard state, the coating's 'dry film thickness' (DFT), is measured using an electronic or magnetic 'dry film gauge'.

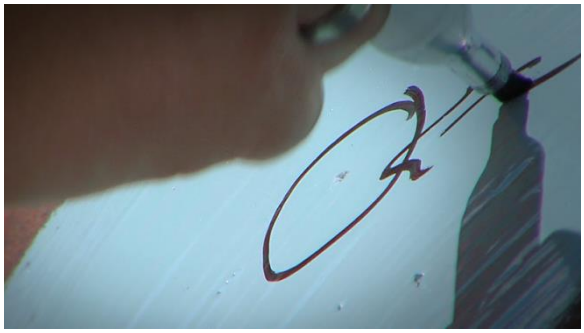


Measuring dry film thickness (DFT) with an electronic 'dry film gauge'.

The minimum D-F-T must be 508 microns (20 mils). The maximum dry film thickness (DFT) is 1778 Microns (70 mils).

A successfully applied coating, when cured to a dry hard state, will have a high gloss and be free from runs, drips and sags.

Occasionally, under challenging environmental conditions, testing may reveal imperfections within the coating.



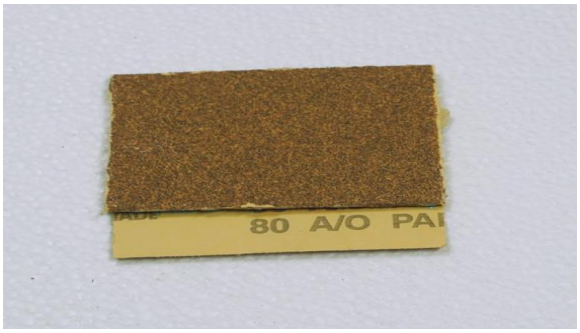
If coating deficiencies are discovered, use a felt pen to mark the coating for repair. Be sure to mark the area 25 mm (1 inch) larger than the damaged area.

Proper inspection ensures pipeline coating integrity.


If the coating does not meet SPC standards
or the project's quality control criteria,
a second coat of product must be applied
to the defective area.

# REPAIR TOOLS RT

To repair a compromised coating, you will require the following tools:



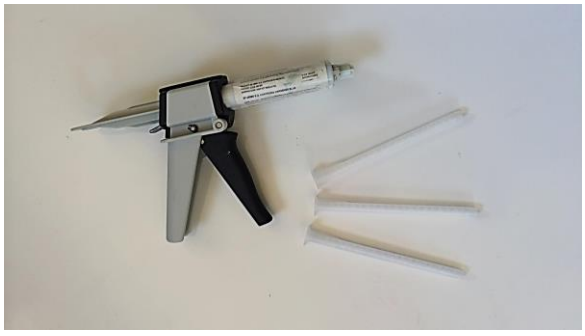

80 grit, or coarser sandpaper

An abrasive blast unit

A heat gun for small areas, or an induction coil, or catalytic infrared heater for larger areas

A laser thermometer


An SPC epoxy coating kit



**OR** an SPC epoxy cartridge and dispense gun with static mixer

A piece of cardboard

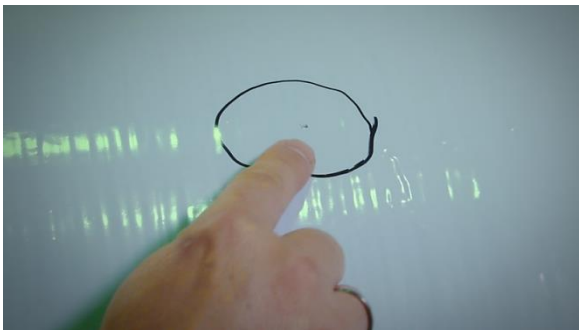

A stir stick

A paintbrush.

Approved repair tools are available through SPC.

## REPAIR STEP 1
## Locate Marked Areas
## R1

The first step to repairing a compromised coating is to locate a marked area that was identified as deficient during the inspection process.



Locate identified area in need of repair.

## REPAIR STEP 2
## Abrade Area
## R2

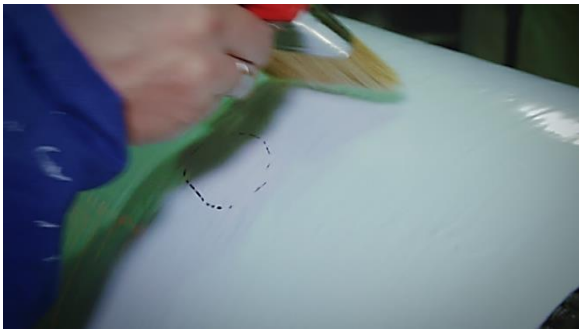
Once a compromised area has been located, the applicator must abrade the repair area using 80 grit or coarser sandpaper.

80 grit or coarser sandpaper is used to abrade the area.

The area must be abraded 25 mm or 1 inch larger than the defective area. If the defective area is larger than 300 x 300 mm (12 x 12 inches), use an abrasive blaster.

## REPAIR STEP 3
## Clean Surface Area
## R3

The area must then be cleaned of all dust and contaminants. Use a paintbrush, or dry compressed air to ensure the surface area is free of any material that might later compromise coating integrity.



Wipe surface area clean with a brush.

Or use dry compressed air to clean surface area.

## REPAIR STEP 4
## Preheat Repair Area
## R4

In cold weather conditions, pre-heating a repair area may be required. Heating the repair area is achieved using in-direct heating with a heat gun for small areas. For larger areas, use an induction coil, or catalytic infrared heater.

When preheating, DO NOT burn the existing coating.

Propane torches are not recommended.

Use a temperature gauge to ensure the surface is at the appropriate temperature.

# REPAIR STEP 5
## Apply Coating to Repair Area

R5

Coating application of the repair area can be done using a SPC epoxy coating kit, or using a SPC cartridge system with a dispense gun.


An SPC epoxy coating kit

An SPC cartridge system with a dispense gun and static mixer

SPC epoxy coating kits are used when large areas or multiple sections need repair. The advantage of SPC cartridge systems is that the applicator can repair a single damaged area, and then cap the cartridge for later use.

When using cartridges …

The applicator may apply the coating directly to the repair surface when using a dispensing gun with a static mixer attached.

If not using a static mixer, squeeze out the required amount of coating from the cartridge onto a small piece of cardboard.

Mix thoroughly using a stir stick, then apply the coating to the repair area ensuring complete coverage of the abraded area.

Smooth out the coating using a brush.

When using a SPC epoxy coating kit, the method for coating application is the same.

However, if there are multiple areas needing repair, the applicator must prepare all surface areas first.

Once all areas have been prepared, mix up a SPC epoxy coating kit and apply the coating.

# REPAIR STEP 6
## Post Heat Repair Area

R6

In cold weather conditions, post-heating the repair area may be required.

Post-heating is achieved using in-direct heating with a heat gun for small areas. For larger areas, use an induction coil, or catalytic infrared heater.

When post-heating, DO NOT burn the existing coating.

Propane torches are not recommended.

Use a temperature gauge to ensure the surface is at the appropriate temperature.

# CONCLUSION

Complying with every step of SPCs Coating Application Guidelines will ensure a successful and efficient pipeline coating process.

For more product information contact SPC.

Innovation is our specialty.

If you have any questions or wish to be professionally certified, contact Specialty Polymer Coatings at spc-net.com.

# SPC 100% SOLIDS COATING APPLICATION CERTIFICATION (BRUSH GRADE) & SAFETY ORIENTATION EXAM

**Date:** _____

**Name:** _____

**Position:** _____

**Company:** _____

**Company Street Address:** _____

**City, Province/State:** _____ **Postal/Zip Code:** _____

**Company Mailing Address:** _____
**(If different from street address)**

**Company Telephone:** _____ **Fax:** _____

**E-mail Address:** _____

**Instructions:**

1. Fill in the date, your name, position, and company information at the top of this page. Please print clearly.
2. The following examination is open book, consisting of multiple choice and T/F questions.
3. Read each question carefully, and write the letter that corresponds with the answer of your choice, in the square box.
4. A minimum passing grade of 70% (minimum score - 21/30) is required in order to become a SPC Certified Coating Applicator.

## GOOD LUCK!

**Score Achieved: _____/30** **Pass or Fail** (Please circle)

**Technician's Name:**_____

1.) **When preparing the substrate surface for coating, all surfaces must be:**

A.) Moist
B.) Completely dry
C.) Lightly covered with dust & grit
D.) Ground rough

**2.) What is the recommended product storage temperature to maintain SPCs high level of quality control?**

A.) 0°C (32°F) to 30°C (86°F)
B.) 32°C (90°F) to 70°C (158°F)
C.) -10°C (14°F) to 100°C (212°F)
D.) 5°C (41°F) to 40°C (104°F)

**3.) Replica tape (Testex) and a micrometer are used to measure:**

A.) Surface profile of substrate
B.) Hardness of coating
C.) Ambient temperature
D.) Temperature of coating prior to application

**4.) It is essential to always remove instruments on the down-stroke to pull excess coating down and off of the pipe.**

T / F

**5.) During the mixing process of SPC 100% solids coating (Hardener into Base), ensure that:**

A.) A vortex is created in the liquid
B.) Air is introduced into the coating
C.) A high powered single speed drill is used
D.) None of the above

**6.) Essentially all SPC 100% solids coatings are the same. It is therefore satisfactory to inter-change the Hardener component of two products.**

T / F

**7.) All substrate areas requiring coating repair must be abraded or grit blasted prior to the application of the coating.**

T / F

**8.) During the coating application of a substrate, additional coating mixture should be applied to every weld bead.**

T / F

**9.) Which of the following is NOT acceptable on the blasted steel surface prior to coating?**

A.) Condensation
B.) Precipitation
C.) Contamination
D.) Grit blast particles
E.) All of the above

**10.) A near white (NACE 2, SSPC SP-10) blast is mandatory for SPC 100% solids coating work on steel substrates unless otherwise stated in SPCs product documentation.**

T / F

**11.) The Substrate roughness profile, prior to coating, shall have a minimum of _____ microns (mils) peak to valley.**

A.) 62.5 microns (2.5 mils)
B.) 50 microns (2.0 mils)
C.) 75 microns (3.0 mils)
D.) 100 microns (4.0 mils)

**12.) When working in a confined space, it is necessary to wear a respirator when mixing or applying coating.**

T / F

**13.) When applying coating for repairs, it is acceptable to use an open flame for pre and post heating.**

T / F

**14.) You have been using the same set of coveralls for a week and you notice that there is uncured coating covering portions of the coveralls, you should:**

A.) Do nothing, as the coating has been there for a couple of days, so it is safe and no need to get a new set of coveralls
B.) Immediately remove the coveralls and request a new set
C.) Wipe the coating off and disregard
D.) None of the above is correct

**15.) You have been working all morning around the mixing crew and are about to take a coffee break. Prior to eating or drinking you should:**

A.) Wipe your hands with a damp rag
B.) Wash your hands and face with soap and water
C.) Wipe your hands on your coveralls
D.) None of the above are correct

**16.) When applying mixed coating to a pipeline, the whole bucket of coating should be poured on at once prior to wetting out the roller, as there is only so much working life of the coating.**

☐ T / F

**17.) You are mixing the Hardener component into the Base container and you accidentally spill half of the Hardener component on the ground, you should:**

☐
A.) Grab an additional Hardener component and eyeball the same amount of material as was spilled, mixing continuously, and have an associate clean up the spilled coating
B.) Throw the kit out, as is, and start over
C.) Thoroughly mix the remaining components, placing it aside for disposal, clean up the spilled Hardener and start fresh with a new kit
D.) Mix the remaining components and use as is

**18.) You brush up on a freshly coated girth weld, removing coating from the weld as well as getting some catalyzed coating on your exposed skin. You should immediately:**

☐
A.) Notify the coating crew of your accident
B.) Notify the repair crew of your accident
C.) Do nothing, third party inspection will catch the low millage and potential holiday
D.) Immediately wash the liquid coating from your skin using soap and water and then undertake corrective action for the damaged girth weld

**19.) When disposing of the Hardener and Base containers you should:**

☐
A.) Make sure all the lids are on the containers to prevent seepage into the landfills
B.) Place a small amount of coating from the Base container into the Hardener container and mix well to ensure all components have been activated
C.) Place the Hardener container into the Base container, and then securely attach the Base container's lid
D.) Dispose of the containers, as is

**20.) Once the coating is dry it is impossible to measure how thick the coating is.**

☐ T / F

**21.) You have been informed that a girth weld you coated an hour ago has low mils. The coating at this point is tacky. What is the best course of action?**

A.) The coating requires sweep blasting
B.) Apply another layer of coating to the weld to bring the coating thickness up to its required level.
C.) As it has been over an hour, the girth weld needs to be re-blasted to a near white condition and a new kit applied
D.) None of the above

**22.) The temperature of the substrate must be at least 3°C (5°F) above the dew point.**

T / F

**23.) SPC 100% solids coatings cure faster in high ambient temperatures and slower in low ambient temperatures.**

T / F

**24.) When conducting a hardness test the instrument should be placed on the weld bead.**

T / F

**25.) What is the minimum dimension that must be abraded surrounding a defective area, prior to applying repair material?**

A.) 300 mm (12 inches)
B.) 150 mm (6 inches)
C.) 25 mm (1 inch)
D.) 75 mm (3 inches)

**26.) Always remove instruments and painting equipment from the top of the pipe.**

T / F

**27.) According to SPCs recommendation, when is it NOT mandatory to wear a respirator?**

A.) When mixing in a confined space
B.) When coating a heated substrate in an open field
C.) When coating a non-heated substrate in an open field
D.) When coating in an enclosed space

**28.) A Shore-D hardness test is conducted to achieve an indication of cure.**

T / F

**29.) You have been informed that a girth weld you coated an hour ago has low mils. The coating at this point is hard. What is the best course of action?**

☐

A.) Clean the area and apply a new kit of coating
B.) Apply another layer of coating to the weld to bring the coating thickness to its required level
C.) As it has been over an hour, the girth weld needs to be re-blasted to a near white condition and a new kit applied
D.) The hard coating needs to be sweep blasted and a new kit of coating needs to be applied

**30.) What is the largest repair area recommended that can be abraded with 80 grit sandpaper prior to applying repair material?**

☐

A.) 150 x 150 mm (6 x 6 inches)
B.) 3.6 x 3.6 m (12 x 12 feet)
C.) 300 x 300 mm (12 x 12 inches)
D.) The size is unlimited

**From:** Puth, Gregory (PHMSA)
**To:** Bauman, Gery (PHMSA)
**Subject:** FW: MVP - Price Gregory Welding Procedures and PQRs
**Date:** Monday, July 23, 2018 3:51:00 PM
**Attachments:** image001.png
image002.png
image003.png
image004.png

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Greetings Gery,
Hope all is well,
Just an FYI, that this should be the last of the WPS/Test reports loaded to BOX site.. If ya see anything interesting, please let me know,, I am currently inspecting on Precision Spreads this week.

Thanks Much.

**V/R**

**Greg Puth**
**Pipeline Inspector**
**Pipeline and Hazardous Materials Safety Administration**
**Office of Pipeline Safety – Eastern Region**

Mobile: 804-263-4565
E-Mail: gregory.puth@dot.gov
Please visit us at http://phmsa.dot.gov/ or
http://www.transportation.gov/pipelines-hazmat
*We Value - INNOVATION NETWORKING STRATEGIC THINKING PROFESSIONALISM INTEGRITY RESPECT EXCELLENCE DIVERSITY*
***We are I.N.S.P.I.R.E.D.***

Enjoy your Day – and remember FREEDOM isn't FREE.

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**From:** Butler, John [mailto:JButler@eqt.com]
**Sent:** Monday, July 23, 2018 1:17 PM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Subject:** MVP - Price Gregory Welding Procedures and PQRs

Greg,

The PG welding procedures and PQRs are uploaded to your Box location.

https://myeqt.app.box.com/folder/50482314016

John D. Butler, P.E.
EQT Midstream
Compliance Engineer
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

**From:** Butler, John <JButler@eqt.com>
**Sent:** Wednesday, April 4, 2018 10:50 AM
**To:** Puth, Gregory (PHMSA)
**Subject:** Mountain Valley Pipeline - Construction Schedule

Mr. Puth,

My name is John Butler. I'm the lead compliance engineer on the MVP project. I'll be happy to answer any questions you may have.

John D. Butler, P.E.
EQT Midstream
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303 Sand Cut Road
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Mobile: 304-543-0225

*To learn about EQT's sustainability efforts visit: https://csr.eqt.com*

**From:** Butler, John
**To:** Puth, Gregory (PHMSA)
**Cc:** Lyons, Jacob
**Subject:** MVP - Document Uploads to Box (03-07-19 audit)
**Date:** Monday, March 11, 2019 1:47:22 PM

---

Greg,

Last week, you requested several items. I have uploaded the welding procedures for Bolt and Schwob, NDT Certs for remote level III auditor (Scott Haddix), and a recent hydrotest at Bradshaw CS. I'll have a hydrotest posted for the Mobley Interconnect soon.

FYI – The spreads are using Scott Haddix for reviewing their inspections. Facilities are only using him on an as-needed basis. If you experience any difficulties accessing your Box location, please let me know.

Have a good week.

John D. Butler, P.E.
Equitrans Midstream
Compliance Engineer
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Office: 304-561-3785
Mobile: 304-543-0225

| | |
|---|---|
| **From:** | Butler, John |
| **To:** | Puth, Gregory (PHMSA); jim.fisher |
| **Cc:** | Lyons, Jacob; Lombardo, Joe; Barry, Jacob D; Gabany, Andrew |
| **Subject:** | MVP - Mainline Pipe Adjacent to HDD |
| **Date:** | Monday, June 10, 2019 10:52:36 AM |

Greg/Jim

FYI – the gauge plate pig run on the HDD pipe was a success. No abnormalities detected. Also, the conductance test results say that the coating is "Excellent."

We are planning to continue with construction. Below is the preliminary plan for mainline work near the completed HDD.

John D. Butler, P.E.
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Following up with you after going over the the plan for the Tie- ins for the HDD.

## June 10th – June 16th

- Prep tie-ins, make bends, pull mats, help HDD demobilize.

## June 17th – June 22nd

- Make tie-ins on pipeside, prep rig side for tie ins.

## June 24th – June 29th

- Make tie-ins on rig side

**From:** Butler, John
**To:** Puth, Gregory (PHMSA); jim.fisher
**Cc:** Lyons, Jacob
**Subject:** MVP - Pipe Separation
**Date:** Monday, September 10, 2018 2:36:22 PM

---

Greg/Jim

We are currently working on a summary and eventual report regarding the pipe separation that occurred last week. Hoping to have something to share with you by Wednesday.

John D. Butler, P.E.
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**From:** Butler, John
**To:** Puth, Gregory (PHMSA)
**Cc:** Lyons, Jacob
**Subject:** MVP - Site Inspection Update
**Date:** Monday, November 2, 2020 3:12:23 PM

---



Greg,

We have located a spot on the project where you could see some welding going on that is nearby a groundbed installation. It is a few miles east of Summersville, WV and fits into your November 9-10th schedule.

John D. Butler, P.E.
Equitrans Midstream
Senior Engineer
Pipeline Integrity
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Clarksburg, WV 26301
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Mobile: 304-543-0225

**From:** Butler, John
**To:** Puth, Gregory (PHMSA); jim.fisher
**Subject:** MVP - Status Update as of 10/12/2020
**Date:** Monday, October 12, 2020 3:43:44 PM



As you have heard, MVP has been given the green light to resume construction. Based on conversations I've had today, we are currently testing welders, mostly in the north. Most activity is mobilizing equipment but if all goes well, we could be starting construction on the Green Interconnect (WV) very soon. Also, we may be starting tie-in work on remaining stream crossings on spreads H and I as early as Monday, October 19th, but more likely later that week.

I'll be going over these updates and any others I hear of on the call tomorrow morning.

John D. Butler, P.E.
Equitrans Midstream
Senior Engineer
Pipeline Integrity
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

**From:** Butler, John
**To:** Puth, Gregory (PHMSA)
**Cc:** Lyons, Jacob
**Subject:** MVP - Update as of 09/28/2018
**Date:** Friday, September 28, 2018 9:21:01 AM

---

Greg,

Hope all is well with you. We are progressing with construction on our spreads and compressor stations. I would say that construction on Harris CS (near Flatwoods, WV) has progressed the most with Stallworth CS (near Dawson, WV) a few weeks behind and Bradshaw CS (near Logansport, WV) much further behind. Please let me know when and how you intend to plan your next visit. There is probably enough to see on Harris CS and maybe Stallworth CS to make a trip worthwhile now.

The VA SCC has resumed inspections in VA this week and will continue next week and beyond. Additionally, we are planning to remediate the remaining three road bores on Spread I starting Monday and continuing to probably Thursday. Jim Fisher is planning to witness them. Jake Lyons and myself will both be in VA next week – one of us will be with Jim Fisher on the road bores and the other will be with Stuart Rott doing regular inspections. Hopefully, we will be able to break away for our bi-weekly call on Tuesday.

Have a great weekend.

John D. Butler, P.E.
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Compliance Engineer
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Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

| | |
|---|---|
| **From:** | Butler, John |
| **To:** | drew.eaken; Gabany, Andrew; Lyons, Jacob; Lombardo, Joe; Barry, Jacob D; Kerns, Mark; Puth, Gregory (PHMSA); scott.marshall; jim.fisher |
| **Subject:** | MVP - Update as of 09-14-2020 |
| **Date:** | Monday, September 14, 2020 12:32:17 PM |



All,

We are currently starting to mobilize equipment in WV in anticipation of possibly resuming construction by the week of September 28th. We still have nothing guaranteed so I guess you can consider this a preliminary heads-up. There was talk of welders possibly arriving, in WV only, later this week or maybe next week. There are more hurdles in our path toward resuming construction in VA but it appears that it will be a week behind the WV spreads. We will continue to keep everyone posted. Have a great day.

John D. Butler, P.E.
Equitrans Midstream
Senior Engineer
Pipeline Integrity
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

**From:** Butler, John
**To:** drew.eaken; Gabany, Andrew; Lyons, Jacob; Lombardo, Joe; Barry, Jacob D; Kerns, Mark; Puth, Gregory (PHMSA); scott.marshall; jim.fisher
**Subject:** MVP - USFW Biological Opinion Issued
**Date:** Tuesday, September 8, 2020 9:14:50 AM



As I'm sure most of you have heard, MVP has received a favorable biological opinion from the USFW. This is the first step toward getting back to work on the pipeline. We are excited at this news but we are still awaiting more permits from FERC and the Army Corps of Engineers. We will keep everyone posted as we get closer to resuming construction so that everyone will have plenty of time to allocate resources. Have a great day.

John D. Butler, P.E.
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Clarksburg, WV 26301
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Mobile: 304-543-0225

**From:** Small, Barry (PHMSA)
**Sent:** Thursday, May 17, 2018 4:18 PM
**To:** Jim Fisher; Sean Wallace
**Cc:** Puth, Gregory (PHMSA); Klesin, Joseph (PHMSA); Riendeau, Marta (PHMSA)
**Subject:** MVP and ACP Construction Inspection Issues/Concern Policy

Jim,

To confirm my response with regards to your request for procedure/policy on how you should address issues/concerns on the MVP and ACP Construction Inspection as they arise in the field, please note the following:

- Enforcement actions should be submitted as per established protocol to Marta Reindeau; also, forward a FYI to the ER-Lead and myself
- Issues/concerns of significant urgency that you wish to escalate to PHMSA-ER should be submitted to the ER-Lead and myself

Thank you,

**Barry P. Small**
Operations Supervisor
USDOT - PHMSA, Eastern Region
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West Trenton, NJ 08628
281-787-2672 Mobile | 609-989-2171 Eastern Region Main Office
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**From:** Butler, John <JButler@eqt.com>
**Sent:** Wednesday, April 18, 2018 10:35 AM
**To:** Puth, Gregory (PHMSA)
**Cc:** Lyons, Jacob
**Subject:** MVP Construction Update as of 04-18-2018 (WV)

Greg,

As of today, with respect to assets to be built in WV, mid-May is the earliest that construction will begin on any of the compressor stations and facilities. Pipeline spreads plan to start construction mid-May at the earliest but most are set for June or later. We are not waiting for any permits at the compressor sights but we are waiting on numerous variance-type permits on some of the pipeline spreads. I will keep you updated as this information becomes more specific. Have a great day.

John D. Butler, P.E.
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Compliance Engineer
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Mobile: 304-543-0225

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**From:** Butler, John
**To:** Puth, Gregory (PHMSA)
**Subject:** MVP Inspection - Week of March 4th
**Date:** Thursday, February 28, 2019 9:28:50 AM

---

Greg,

Hope all is well with you. I'm just wondering if you are still planning to inspect Bradshaw and Harris compressor stations next week. Additionally, I sent out an update on the HDD on Spread I. The completion date was pushed to late March 2019.

Have a great day.

John D. Butler, P.E.
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Mobile: 304-543-0225

**From:** Klesin, Joseph (PHMSA)
**To:** JLyons@equitransmidstream.com; JButler@equitransmidstream.com
**Cc:** Puth, Gregory (PHMSA); Small, Barry (PHMSA)
**Subject:** MVP Inspection
**Date:** Monday, July 22, 2019 11:33:06 AM

---

Jacob,

I am contemplating conducting an inspection of the MVP project the week of 7/29 or 8/5. Preference is for active VA work the week of 7/29, but am also considering WV as an alternative for either week. Monday and Friday would be scheduled as travel days.

Please provide me a current spread map for WV and VA, along with a summary of current MVP activities occurring throughout so that I can dial-in a suitable week.

Thank you.

**Joseph F. Klesin**
Project Manager – Eastern Region
Pipeline & Hazardous Materials Safety Administration
United States Department of Transportation
840 Bear Tavern Road, Suite 300
West Trenton, NJ 08628
Phone: (202) 570-3143
Email: joseph.klesin@dot.gov

**From:** Butler, John
**To:** Puth, Gregory (PHMSA); jim.fisher
**Cc:** Kerns, Mark; Lyons, Jacob
**Subject:** MVP Update - Resuming Work
**Date:** Monday, August 13, 2018 9:50:52 PM

---

Greg/Jim

Update on spreads F through I. A through E coming tomorrow.

All that can be done this week on F, G, H & I is the stabilization plan. This is lowering in and backfilling where there is open ditch and pipe is already welded, also welding where pipe is strung at open ditch, pipe coating and then lowering in. There will be a little bit of welding, coating and lowering in. Not a lot, again only where there is open ditch. Spread F and H would have most of the work, spread I has no open ditch so would have no work and spread G has some lowering in and tie in welds.

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**From:** Butler, John
**To:** Puth, Gregory (PHMSA); jim.fisher
**Cc:** Lyons, Jacob
**Subject:** MVP Update as of 02/22/2021
**Date:** Monday, February 22, 2021 11:43:48 AM

---



Greg/Jim

The U.S. Circuit Court of Appeals in D.C. denied the request for an emergency stay on Mountain Valley Pipeline. We intend to resume work on Spread G immediately starting with mobilizing people, equipment, etc. Welder testing will be happening sometime soon and meaningful productive pipelining is estimated to begin around 03/22/2021.

All spreads:
Stream crossing permits are likely to be issued late summer so we are anticipating working in those locations by September 2021.

CP installations, both temporary and permanent, are continuing. They have been delayed quite a bit lately due to weather.

In WV:

Gauley River Mine Refuse remediation work is still on hold. Still having back and forth conversations with DEP of WV.

Spreads A-D still have some miscellaneous upland work and bore work that will hopefully resume by June 2021.

Greene Interconnect location should be completed by the end of this week.

Slip remediation at Brush Run on Spread B has been delayed due to weather. Work will resume and continue for at least a couple of months.

Please reach out with any questions you may have. Hope to see you very soon.

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| | |
|---|---|
| **From:** | Jim Fisher |
| **To:** | drew.eaken; scott.marshall; Ayers, Shane; stuart.rott; sean.wallace; Puth, Gregory (PHMSA) |
| **Cc:** | Steven Bradley |
| **Subject:** | MVP Update |
| **Date:** | Monday, August 13, 2018 1:19:42 PM |

All,

I had a conference call with Mr. Jacob Lyons and Mr. Mark Kerns of EQT relative to work in the Virginia Unit. They stated that FERC has approved that the MVP project can continue its environmental work, and only allowed to conduct any Spread field work to areas that have previously been excavated i.e. backfill, final grade, tie in points etc. As you all know there is not much that has been left exposed on the Spreads in VA. With that information we will not be conducting any inspections this week. Mr. Lyons will keep us up to date as soon as anything changes however, we have another call scheduled for Friday to discuss next week's activities. If you all need anything let me know.

V/R

Jim

**From:** Puth, Gregory (PHMSA)
**Sent:** Thursday, September 12, 2019 1:45 PM
**To:** 'Butler, John'
**Subject:** RE: [EXTERNAL] RE: MVP - Spread E - Interstate 64 Crossing

No Worries John, can work with other efforts in the area accordingly. Will plan on staying in Lewisburg, WV the first night.. any suggestions for Spread E?

**V/R**

**Greg Puth**
**Pipeline Inspector**
**Pipeline and Hazardous Materials Safety Administration**
**Office of Pipeline Safety – Eastern Region**

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---

**From:** Butler, John [mailto:JButler@equitransmidstream.com]
**Sent:** Wednesday, September 11, 2019 1:43 PM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Cc:** Lyons, Jacob <JLyons@equitransmidstream.com>; Klesin, Joseph (PHMSA) <joseph.klesin@dot.gov>
**Subject:** Re: [EXTERNAL] RE: MVP - Spread E - Interstate 64 Crossing

Looks like Meadow River is already complete.

John D. Butler, P.E.
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On Sep 11, 2019, at 12:44 PM, Puth, Gregory (PHMSA) <gregory.puth@dot.gov> wrote:

> Greetings John,
> Hope all is well and you were able to enjoy the Labor Day holiday.
>
> I am going to plan for the week of the 23rd on Spread F, I-64 Bore Most likely on Tues and then Thinking of Spread E Wed. into Thurs (according to weather and time). Has the Bore on Meadow River got a "Go" yet? If not, I Can adjust within that area/spread.
> Thanks Much.

**V/R**

**Greg Puth**
**Pipeline Inspector**
**Pipeline and Hazardous Materials Safety Administration**
**Office of Pipeline Safety – Eastern Region**

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---

**From:** Butler, John [mailto:JButler@equitransmidstream.com]
**Sent:** Monday, September 9, 2019 8:11 AM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Cc:** Lyons, Jacob <JLyons@equitransmidstream.com>
**Subject:** MVP - Spread E - Interstate 64 Crossing

Greg,

You expressed interest in the construction of the I-64 crossing. The CPM just called to let me know that construction has started on the bore pits. He anticipates the crossing being completed in about a month.

Hope all is well with you. Please contact me with any questions.

John D. Butler, P.E.
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**From:** Butler, John <JButler@eqt.com>
**Sent:** Wednesday, October 10, 2018 11:15 AM
**To:** Puth, Gregory (PHMSA)
**Cc:** Lyons, Jacob
**Subject:** RE: [EXTERNAL] RE: MVP - Update as of 09/28/2018

Greg,

If you want to inspect spread A, that is fine, but it is closest to Bradshaw CS which is not very far along. Not much to inspect yet.

However, the Harris CS work is progressing as well as Stallworth CS. Maybe we can keep those stations in your inspection plans and then inspect spreads D or E or both. I don't believe you have inspected those spreads.

Any objections? The most central location would be Summersville, WV but you might be inclined to stay around Beckley, WV too. That would be up to you.

John D. Butler, P.E.
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---

**From:** Butler, John
**Sent:** Tuesday, October 9, 2018 7:59 PM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Cc:** Lyons, Jacob <JLyons@eqt.com>
**Subject:** Re: [EXTERNAL] RE: MVP - Update as of 09/28/2018

Hello, Greg. Stallworth is on the opposite end of the state from Spread A. From north to south the stations are Bradshaw, Harris, then Stallworth. I'll lay out an alternate plan in the morning.

John D.Butler, P.E.
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On Oct 9, 2018, at 5:24 PM, Puth, Gregory (PHMSA) <gregory.puth@dot.gov> wrote:

> Greetings John,
> Hope you had a grand weekend.
>
> Want to lock in for next week 15th Oct. 2018,, Lets plan on Tuesday-Thursday at this time on Stallworth, Spread A, and then down to Harris. I'll leave it up to you for which end we start at, but want

to flow sorta in a direction to reduce road time, coordinate hotels, and maximize observation/records time..

Please let me know by End-of-Business tomorrow accordingly.. Thanks Much.

**V/R**

**Greg Puth**
**Pipeline Inspector**
**Pipeline and Hazardous Materials Safety Administration**
**Office of Pipeline Safety – Eastern Region**

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E-Mail: gregory.puth@dot.gov
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---

**From:** Butler, John [mailto:JButler@eqt.com]
**Sent:** Friday, September 28, 2018 9:21 AM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Cc:** Lyons, Jacob <JLyons@eqt.com>
**Subject:** MVP - Update as of 09/28/2018

Greg,

Hope all is well with you. We are progressing with construction on our spreads and compressor stations. I would say that construction on Harris CS (near Flatwoods, WV) has progressed the most with Stallworth CS (near Dawson, WV) a few weeks behind and Bradshaw CS (near Logansport, WV) much further behind. Please let me know when and how you intend to plan your next visit. There is probably enough to see on Harris CS and maybe Stallworth CS to make a trip worthwhile now.

The VA SCC has resumed inspections in VA this week and will continue next week and beyond. Additionally, we are planning to remediate the remaining three road bores on Spread I starting Monday and continuing to probably Thursday. Jim Fisher is planning to witness them. Jake Lyons and myself will both be in VA next week – one of us will be with Jim Fisher on the road bores and the other will be with Stuart Rott doing regular inspections. Hopefully, we will be able to break away for our bi-weekly call on Tuesday.

Have a great weekend.

John D. Butler, P.E.
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**From:** Puth, Gregory (PHMSA)
**Sent:** Monday, May 7, 2018 1:54 PM
**To:** Woods, Ian (PHMSA)
**Subject:** RE: EQT - Mountain Valley Pipeline POC?

John D. Butler, P.E.
EQT Midstream
Compliance Engineer
303 Sand Cut Road
Clarksburg, WV 26301
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I believe Mr. Butler is the Primary POC for the MVP.. But also know I have Seen/heard the Jacob Lyons Name,, but would reach out to John first.

**V/R**

**Greg Puth**
**Pipeline Inspector**
**Pipeline and Hazardous Materials Safety Administration**
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**From:** Woods, Ian (PHMSA)
**Sent:** Monday, May 07, 2018 1:15 PM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Subject:** EQT - Mountain Valley Pipeline POC?

Hey Greg,
I have probably asked more than three times, but I am over 50 and am entitled. Who is your POC for the MVP Project? I know that Virginia SCC is taking lead with the construction inspection, but I need a good POC to forward public inquiries. Mucho thanks!

Regards,
Ian

Ian Woods
Community Liaison, Eastern Region
U.S. Department of Transportation
Pipeline and Hazardous Materials Safety Administration (PHMSA)
Outreach and Engagement Division
e-mail: ian.woods@dot.gov

Tel: 609-468-9478

**From:** Butler, John <JButler@equitransmidstream.com>
**Sent:** Thursday, May 23, 2019 10:00 AM
**To:** Puth, Gregory (PHMSA); jim.fisher; Lyons, Jacob; stuart.rott; Moore, Daniel K.
**Cc:** Lyons, Jacob; Lombardo, Joe; Barry, Jacob D; Gabany, Andrew
**Subject:** RE: HDD Update (date change)

Just got another update. The dummy pipe pull could occur as early as Tuesday, May 28th. I will continue to keep everyone posted.

John D. Butler, P.E.
Equitrans Midstream
Compliance Engineer
303 Sand Cut Road
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Office: 304-561-3785
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-----Original Message-----
From: Butler, John
Sent: Saturday, May 18, 2019 12:12 PM
To: gregory.puth@dot.gov; Jim.Fisher@scc.virginia.gov; Lyons, Jacob <JLyons@equitransmidstream.com>; Stuart.Rott@scc.virginia.gov; Moore, Daniel K. <DKMoore@equitransmidstream.com>
Subject: HDD Update (date change)

Update on the HDD pullback schedule:

The HDD company is preparing to install the 60" reamer assembly this morning to ream the first 39 joints of the drill. The readings from logging the path of the hole did not come back good through the first section of the hole and they feel that the hole needs to be opened up to 60" to help guarantee pulling the line pipe will be successful. This will push the pulling of the dummy pipe and line pipe back 7-8 days. We will update everyone once they start the reaming process. Thanks and let me know if you have any questions.

John D.Butler, P.E.
Equitrans Midstream
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)

**From:** Puth, Gregory (PHMSA)
**Sent:** Wednesday, April 4, 2018 10:12 AM
**To:** 'Lyons, Jacob'
**Subject:** RE: meeting today

No Worries Mr. Lyons,
Will Plan on attending next week accordingly.

Do want to get my hands wrapped around the project though fairly soon.. If you already have available, I would be interested in an idea of Project schedule and current activities in the WV realm. Would help me with starting to get a picture of the project and scope. I very briefly spoke to Sean last week on this project, and He did show me a Quick Reference Inspection Aid you folks had developed for the project,, So look forward to seeing more of your team's efforts as I get further involved.

Thanks Again for keeping me informed.

**V/R**

**Greg Puth**
**Pipeline Inspector**
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---

**From:** Lyons, Jacob [mailto:JLyons@eqt.com]
**Sent:** Wednesday, April 04, 2018 10:04 AM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Subject:** meeting today

Greg,
I apologize for postponing our meeting today until next week. The engineer assigned to the project has some family health issues he has to deal with and he couldn't make it. If you need anything from me let me know.

Thanks,
Jake

**Jacob Lyons**
Manager Pipeline Safety and Compliance
EQT Midstream
625 Liberty Avenue, Suite 1700
Pittsburgh, PA 15222-3111
Office: (412) 553-7870 Cell: (412) 295-3962

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**From:** Butler, John <JButler@eqt.com>
**Sent:** Wednesday, April 4, 2018 11:29 AM
**To:** Puth, Gregory (PHMSA)
**Cc:** Lyons, Jacob
**Subject:** RE: Mountain Valley Pipeline - Construction Schedule

Here is a quick rundown.

No mainline pipeline construction just yet. Anticipated start in WV will be around May 1st. Tree felling has been going for a while but no earth disturbance on mainline yet.

Mainline construction in VA may start a little sooner. I was told that better information will be available after today.

We have started with facility fabrications off-sight for the compressor stations and interconnects. I believe we have started earth disturbance for at least one compressor station location. All compressor stations on this project are within the state of WV (Harris, Stallworth, and Bradshaw).

John D. Butler, P.E.
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---

**From:** Puth, Gregory (PHMSA) [mailto:gregory.puth@dot.gov]
**Sent:** Wednesday, April 04, 2018 11:17 AM
**To:** Butler, John <JButler@eqt.com>
**Subject:** [EXTERNAL] RE: Mountain Valley Pipeline - Construction Schedule

Greetings Mr. Butler,

I had asked Mr. Lyons earlier the Following,, Which I believe sprouted your contacting me. Since our telecon was canceled today, I was just wanting to get a little further idea of the Projects efforts thus far and forthcoming.

---

No Worries Mr. Lyons,
Will Plan on attending next week accordingly.

Do want to get my hands wrapped around the project though fairly soon.. If you already have available, I would be interested in an idea of Project schedule and current activities in the WV realm. Would help me with starting to get a picture of the project and scope. I very briefly spoke to Sean last week on this project, and He did show me a Quick Reference Inspection Aid you folks had developed for the project,, So look forward to seeing more of your team's efforts as I get further involved.

Thanks Again for keeping me informed.

---

Much appreciate your assistance.

**V/R**

**Greg Puth**
**Pipeline Inspector**
**Pipeline and Hazardous Materials Safety Administration**
**Office of Pipeline Safety – Eastern Region**

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**From:** Butler, John [mailto:JButler@eqt.com]
**Sent:** Wednesday, April 04, 2018 10:50 AM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Subject:** Mountain Valley Pipeline - Construction Schedule

Mr. Puth,

My name is John Butler. I'm the lead compliance engineer on the MVP project. I'll be happy to answer any questions you may have.

John D. Butler, P.E.
EQT Midstream
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**From:** Puth, Gregory (PHMSA)
**Sent:** Tuesday, July 10, 2018 9:46 AM
**To:** 'Butler, John'
**Cc:** 'Jim Fisher'
**Subject:** RE: MVP - Audit Schedule

Greetings John,
Hope atleast the conference is still going well.

Per our quick conversation yesterday morning, and with Looking at your Compressor Station updates and wanting to see as much as possible – I would like to plan for next week the 16th-20th July in WV. Wanted to get a better feel for Pipeline Spreads that are in full motion in WV before we lock down a specific area. Have All spreads begun welding pipe at this time in WV?

Also while looking on BOX account noticed a few items that probably need updated (Didn't look at all Topic Files, So may want to ensure updated docs loaded when available for other files also.):

- Office locations are still the older locations- April doc.
- Project Schedule is still from Feb. (Is this still valid?)
- Welding procedures all uploaded to BOX – Don't see Price Gregory at this time.

Also one of the topics I am going to want to review/discuss will be- EQT's construction procedures/engineering designs that mitigate excessive axial stresses associated with girth welds in sag locations and areas where "tie-in" welds may be susceptible to excessive external stress during and/or soon after construction. Especially with all the low valley efforts on this line in WV and VA landscape.

**V/R**

**Greg Puth**
**Pipeline Inspector**
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**From:** Butler, John [mailto:JButler@eqt.com]
**Sent:** Thursday, July 05, 2018 1:06 PM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Subject:** RE: MVP - Audit Schedule

Harris CS is still in the earthwork stage. No on-sight welding there either.

John D. Butler, P.E.
EQT Midstream

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---

**From:** Butler, John
**Sent:** Tuesday, July 3, 2018 12:08 PM
**To:** 'Puth, Gregory (PHMSA)' <gregory.puth@dot.gov>
**Subject:** RE: MVP - Audit Schedule

Stallworth CS has just begun some foundation work, no on-site welding yet.

John D. Butler, P.E.
EQT Midstream
Compliance Engineer
303 Sand Cut Road
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---

**From:** Butler, John
**Sent:** Tuesday, July 3, 2018 12:05 PM
**To:** 'Puth, Gregory (PHMSA)' <gregory.puth@dot.gov>
**Subject:** RE: MVP - Audit Schedule

Sorry, that was for Harris CS.

John D. Butler, P.E.
EQT Midstream
Compliance Engineer
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

---

**From:** Butler, John
**Sent:** Tuesday, July 3, 2018 10:26 AM
**To:** 'Puth, Gregory (PHMSA)' <gregory.puth@dot.gov>
**Subject:** RE: MVP - Audit Schedule

Stallworth CS is about 70% complete with foundation work. No welding on sight yet. I'll provide details on other stations shortly.

John D. Butler, P.E.
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Compliance Engineer
303 Sand Cut Road
Clarksburg, WV 26301
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Mobile: 304-543-0225

---

**From:** Butler, John
**Sent:** Tuesday, July 3, 2018 8:54 AM

**To:** 'Puth, Gregory (PHMSA)' <gregory.puth@dot.gov>
**Subject:** MVP - Audit Schedule

Greg,

Hope you're having good travels. Just wondering if you have plans to come visit us soon. Please let me know.

John D. Butler, P.E.
EQT Midstream
Compliance Engineer
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

**From:** Butler, John <JButler@eqt.com>
**Sent:** Tuesday, August 28, 2018 10:16 AM
**To:** Jim Fisher; Puth, Gregory (PHMSA); Drew Eaken
**Cc:** Lyons, Jacob; Kerns, Mark
**Subject:** RE: MVP - Bi-Weekly Conference Call

Please provide a list of additional invitees, if any, and I will send out the invitation. Right now I'm assuming Greg Puth, Jim Fisher, and Drew Eaken will be part of this call.

Thanks!

John D. Butler, P.E.
EQT Midstream
Compliance Engineer
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Mobile: 304-543-0225

---

**From:** Jim Fisher <Jim.Fisher@scc.virginia.gov>
**Sent:** Monday, August 27, 2018 11:11 AM
**To:** Butler, John <JButler@eqt.com>; Puth, Gregory (PHMSA) <gregory.puth@dot.gov>; Drew Eaken <Drew.Eaken@scc.virginia.gov>
**Cc:** Lyons, Jacob <JLyons@eqt.com>; Kerns, Mark <MKerns@eqt.com>
**Subject:** [EXTERNAL] RE: MVP - Bi-Weekly Conference Call

Gentlemen,

Every other Tuesday is good for us. Let me know it you want to start this week or next. This week for a few is the last week before school starts and those you want on the call may not be available this week. However, whatever you all decide is good with me just let me know.

V/R

Jim

---

**From:** Butler, John [mailto:JButler@eqt.com]
**Sent:** Monday, August 27, 2018 9:38 AM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>; Jim Fisher <Jim.Fisher@scc.virginia.gov>
**Cc:** Lyons, Jacob <JLyons@eqt.com>; Kerns, Mark <MKerns@eqt.com>
**Subject:** MVP - Bi-Weekly Conference Call

Gentlemen,

We will be resuming the bi-weekly conference call for project updates. Originally, we held the meeting every other Tuesday at 10am. Will this time slot still work?

John D. Butler, P.E.
EQT Midstream
Compliance Engineer

303 Sand Cut Road
Clarksburg, WV  26301
Office:  304-561-3785
Mobile:  304-543-0225

**From:** Butler, John <JButler@eqt.com>
**Sent:** Tuesday, June 5, 2018 5:47 PM
**To:** Puth, Gregory (PHMSA)
**Subject:** RE: MVP - Call to Discuss Welder Qualification

Thank you, Greg. I will send out an invitation for 12:00 CST (1:00PM EST).

John D. Butler, P.E.
EQT Midstream
Compliance Engineer
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

---

**From:** Puth, Gregory (PHMSA) [mailto:gregory.puth@dot.gov]
**Sent:** Tuesday, June 5, 2018 5:25 PM
**To:** Butler, John <JButler@eqt.com>
**Subject:** [EXTERNAL] RE: MVP - Call to Discuss Welder Qualification

Greetings John,

Saw you called,
I Can possibly have a call, either around 0715-0730hrs CST or around 1200-1300Hrs CST tomorrow if either of those help,, or we could just shoot for later evening also after 1700hrs CST.

**V/R**

**Greg Puth**
**Pipeline Inspector**
**Pipeline and Hazardous Materials Safety Administration**
**Office of Pipeline Safety – Eastern Region**

Mobile: 804-263-4565
E-Mail: gregory.puth@dot.gov
Please visit us at http://phmsa.dot.gov/ or
http://www.transportation.gov/pipelines-hazmat

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**From:** Butler, John [mailto:JButler@eqt.com]
**Sent:** Tuesday, June 05, 2018 5:09 PM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Subject:** MVP - Call to Discuss Welder Qualification
**Importance:** High

Greg,

We would like to set up a call with you and our Welding Engineer to discuss API 1104 Welder Qualification, specifically on multiple qualification. Would you have time tomorrow for a conference call?

John D. Butler, P.E.
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303 Sand Cut Road
Clarksburg, WV 26301
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Mobile: 304-543-0225


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**From:** Butler, John <JButler@equitransmidstream.com>
**Sent:** Monday, November 19, 2018 11:35 AM
**To:** Puth, Gregory (PHMSA); jim.fisher
**Cc:** Lyons, Jacob (JLyons@eqt.com)
**Subject:** RE: MVP - Construction Progress Updates as of 11/13/2018

Latest update ...

Spread A: Shutting down for winter ~ 12/22/18
Spread B: Working through winter
Spread C: Shutting down for winter ~ 12/22/18
Spread D: Shutting down for winter ~ 12/22/18
Spread E: Shutting down for winter, slowing down now
Spread F: Working through winter
Spread G: Shutting down for winter, slowing down now
Spread H: Working through winter
Spread I: Working through winter

Facilities are still planning to work through the winter.

---

**From:** Butler, John
**Sent:** Tuesday, November 13, 2018 9:51 AM
**To:** 'Puth, Gregory (PHMSA)' <gregory.puth@dot.gov>; 'Jim Fisher' <Jim.Fisher@scc.virginia.gov>
**Subject:** MVP - Construction Progress Updates as of 11/13/2018

Greg/Jim

Here are the latest updates

Spread A: Tie-in composite crews only: not working Thanksgiving day, stopping work (except environmental maintenance) 12/22/18 and resuming work 1/7/19
Spread B: Tie-in composite crews only: not working Thanksgiving day, stopping work (except environmental maintenance) 12/22/18 and resuming work 1/7/19
Spread C: Winding down. Starting 11/15/18 - Clearing and Grading - 1 crew – prepping for next spring, stopping work (except environmental maintenance) 12/22/18 and resuming work 1/7/19
Spread D: Mainline mini-crews working from mile post 119 – 122, stopping work (except environmental maintenance) 12/22/18 and resuming work 1/7/19

- In addition to the mainline mini-crews, one crew will be working on crossings over the winter:
    - East Webster CR5
    - Crupperneck CR14
    - Deep Well CR 39/6
    - Odell Town Rd CR18

Spread E: Buttoning up now… By Thanksgiving, reducing to environmental crews only until the spring
Spread F: Continuing work through the winter, weather permitting, not working Thanksgiving Day and Christmas Day
Spread G: Buttoning up - ~12/15/18 reducing to environmental crews only until the spring
Spread H: Composite crews working on time sensitive areas – will keep working unless weather prevents continuing, not working Thanksgiving Day and Christmas Day
Spread I: Will continue construction until completed, not working Thanksgiving Day and Christmas Day

**From:** Butler, John <JButler@equitransmidstream.com>
**Sent:** Thursday, October 15, 2020 9:31 AM
**To:** jim.fisher; Puth, Gregory (PHMSA)
**Cc:** Lyons, Jacob
**Subject:** RE: MVP - Construction Status Update - Spreads H and I



As we approach the end of this week, I'm reaching out to you both to find out when you plan to resume your inspections. Please let me know so our Compliance staff can make plans accordingly. Thanks, and have a great day.

John D. Butler, P.E.
Equitrans Midstream
Senior Engineer
Pipeline Integrity
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

---

**From:** Jim Fisher <Jim.Fisher@scc.virginia.gov>
**Sent:** Wednesday, October 14, 2020 11:31 AM
**To:** Butler, John <JButler@equitransmidstream.com>; Puth, Gregory (PHMSA <gregory.puth@dot.gov>
**Cc:** Lyons, Jacob <JLyons@equitransmidstream.com>
**Subject:** [EXTERNAL] RE: MVP - Construction Status Update - Spreads H and I

Thank you for the update.

---

**From:** Butler, John <JButler@equitransmidstream.com>
**Sent:** Wednesday, October 14, 2020 10:56 AM
**To:** Puth, Gregory (PHMSA <gregory.puth@dot.gov>; Jim Fisher <Jim.Fisher@scc.virginia.gov>
**Cc:** Lyons, Jacob <JLyons@equitransmidstream.com>
**Subject:** MVP - Construction Status Update - Spreads H and I

Jim,

Spread I update – welding equipment qualifications could start by Tuesday, October 20th and welder testing could start on Wednesday, October 21st.

Spread H update – welder testing could start by Friday afternoon but will definitely happen starting Saturday.

John D. Butler, P.E.
Equitrans Midstream
Senior Engineer
Pipeline Integrity
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

**From:** Butler, John <JButler@equitransmidstream.com>
**Sent:** Wednesday, May 19, 2021 2:01 PM
**To:** Puth, Gregory (PHMSA); jim.fisher
**Cc:** Lyons, Jacob
**Subject:** RE: MVP - Construction Update as of 05/19/2021



Greg/Jim

Just got word from one of our project managers. Welding on Spread H might be moved up a few weeks to around June 14th. This is due to the ROW becoming available sooner than expected and Precision being able to move workers finishing up on Spread G. It was originally expected to start late June or early July.

Have a good day, my friends!

John D. Butler, P.E.
Equitrans Midstream
Senior Engineer
Pipeline Integrity
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

**From:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Sent:** Wednesday, May 12, 2021 8:45 AM
**To:** Butler, John <JButler@equitransmidstream.com>
**Subject:** [EXTERNAL] RE: MVP - Construction Update as of 05/11/2021

Thanks John. Appreciate the update, and sorry couldn't make the meeting.
Greg.

**From:** Butler, John [mailto:JButler@equitransmidstream.com]
**Sent:** Tuesday, May 11, 2021 10:44 AM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Cc:** Lyons, Jacob <JLyons@equitransmidstream.com>
**Subject:** MVP - Construction Update as of 05/11/2021



Greg,

Below is a summary of planned work on MVP.

Gauley River mine refuse work is still being held up by the WV DEP.

Welding crew is finished at the Covelick Slip and is moving on to Spread C with welding starting maybe this Friday and continuing for the next couple of weeks (500-1000 feet of pipe). Afterward, the same crew will move on to Spread D to do more upland work.

Spreads E and F starting upland work in June.
SL27 bore (Spread E) starting in early June.
Interstate 64 bore (Spread F) to begin in July.

Spread G will have work going on through early August.
Spread H to begin welding by late June or early July. Currently clearing and grading.

CP installations, temporary and permanent, continue.

We were hoping to get individual stream permits from the Army Corps of Engineers by September 1 but that date has been moved to November 1. In service date was pushed to Summer of 2022.

Have a great day!

John D. Butler, P.E.
Equitrans Midstream
Senior Engineer
Pipeline Integrity
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

**From:** Butler, John <JButler@eqt.com>
**Sent:** Tuesday, August 7, 2018 12:20 PM
**To:** Puth, Gregory (PHMSA)
**Subject:** RE: MVP - Document Requests - CATS Sytem

Unfortunately, construction is halted at the compressor stations as well.

John D. Butler, P.E.
EQT Midstream
Compliance Engineer
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

---

**From:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Sent:** Tuesday, August 7, 2018 12:12 PM
**To:** Butler, John <JButler@eqt.com>
**Subject:** [EXTERNAL] Re: MVP - Document Requests - CATS Sytem

Thanks John, much appreciated.
Dealing with a lot of computer issues, but starting to get this loaner working, so hope to get back in groove yet today.
On your note of MVP- FERC stoppage- appreciate that update as well. Does this affect Compressor Stations as well?

Respectfully,

Greg Puth
Pipeline Inspector – Eastern Region
Pipeline and Hazardous Materials Safety Administration

Mobile: 804-263-4565
E-Mail: gregory.puth@dot.gov
Please visit us at http://phmsa.dot.gov
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Sent - Office365

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**From:** Butler, John <jbutler@eqt.com>
**Sent:** Tuesday, August 7, 2018 10:29 AM
**To:** Puth, Gregory (PHMSA)
**Cc:** Lyons, Jacob; Kerns, Mark
**Subject:** MVP - Document Requests - CATS Sytem

Greg,

Per your request, we have uploaded a description of our CATS system.

https://myeqt.app.box.com/folder/52246491175

John D. Butler, P.E.
EQT Midstream
Compliance Engineer
303 Sand Cut Road
Clarksburg, WV  26301
Office:  304-561-3785
Mobile:  304-543-0225

**From:** Jim Fisher <Jim.Fisher@scc.virginia.gov>
**Sent:** Monday, August 6, 2018 9:50 AM
**To:** Butler, John; Puth, Gregory (PHMSA)
**Cc:** Lyons, Jacob; Drew Eaken; Sean Wallace; Scott A. Marshall; Stuart Rott; Shane Ayers
**Subject:** RE: MVP - FERC Shut Down

John,

Per our discussion the audits planned for Wednesday through Friday in Virginia have been suspended. Please keep us informed on any changes in construction start up. If you need anything let me know.

V/R

Jim

---

**From:** Butler, John [mailto:JButler@eqt.com]
**Sent:** Monday, August 06, 2018 9:27 AM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>; Jim Fisher <Jim.Fisher@scc.virginia.gov>
**Cc:** Lyons, Jacob <JLyons@eqt.com>
**Subject:** MVP - FERC Shut Down

Greg/Jim

I'm sure you may have heard that FERC has shut down construction on MVP. In light of that, we are proposing to suspend audits planned for this week. What are your thoughts?

John D. Butler, P.E.
EQT Midstream
Compliance Engineer
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

**From:** Puth, Gregory (PHMSA)
**Sent:** Monday, May 24, 2021 2:45 PM
**To:** Butler, John
**Subject:** RE: MVP - I-64 Crossing Update

Thanks John,
Definitely do want to keep this on my radar.. Thanks Much..

Respectfully,


## Greg Puth
Inspector/Engineer, Office of Pipeline Safety – Eastern Region

US Department of Transportation
**Pipeline and Hazardous Materials Safety Administration**
Suite 300, 840 Bear Tavern Rd, West Trenton, NJ 08628-1019
Mobile: 804-263-4565

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**From:** Butler, John [mailto:JButler@equitransmidstream.com]
**Sent:** Monday, May 24, 2021 11:37 AM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Cc:** Lyons, Jacob <JLyons@equitransmidstream.com>
**Subject:** MVP - I-64 Crossing Update



Greg,

I know you wanted to keep an eye on this work. We are tentatively planning to start work on the I-64 crossing on July 13th. That date may change if they have to go with a different 3rd party boring contractor. I will keep you posted. Have a good day.


John D. Butler, P.E.
Equitrans Midstream
Senior Engineer
Pipeline Integrity
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

**From:** Scott A. Marshall <Scott.Marshall@scc.virginia.gov>
**Sent:** W[illegible]
**To:** Butler, John
**Cc:** Lyons, Jacob; Jim Fisher; Sean Wallace; Drew Eaken; Small, Barry (PHMSA); Puth, Gregory (PHMSA); Kerns, Mark; Stephen Moore; Stuart Rott
**Subject:** Re: MVP - SEAP Training Prior to Construction

Good morning everyone,

I am unavailable on the 10th I'll be in OKC, OK for a work qualifications course.

Any time the week of the 22nd would be an alternative date or possible "make up date" for the training that would be my first availability.

Thank you,

Sent from my iPhone

Scott Marshall, CFEI, CFII
Sr. Safety Specialist

State Corporation Commission
Division of Utility and Railroad Safety
804-786-9010 (O)
804-640-7003 (M)

On May 2, 2018, at 10:44 AM, Butler, John <JButler@eqt.com> wrote:

> All-
>
> As we discussed on our previous call, we are planning our first face to face visit. During this meeting, we will all get the required SEAP training and we will discuss the project. The SEAP training takes about 2 hours. Please communicate your availability for a meeting on Thursday, May 10th at the Cross Pointe Foursquare Conference Center in Christiansburg, VA. Also, please provide your preference on the meeting time (morning or afternoon).
>
> Thanks for your time and have a great day.
>
> John D. Butler, P.E.
> EQT Midstream
> Compliance Engineer
> 303 Sand Cut Road
> Clarksburg, WV 26301
> Office: 304-561-3785
> Mobile: 304-543-0225

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**From:** Puth, Gregory (PHMSA)
**Sent:** Monday, May 21, 2018 6:02 PM
**To:** 'Butler, John'
**Subject:** RE: MVP - Spread F Inspection Dates

Greetings Mr. Butler,

Just wanted to reply in writing to ya, but did try to reach you by phone earlier. Appreciate the update,, and apologies for delayed getting back with you.. Appreciate the effort to get the most for my visit, but at this time I am no longer available the following week.

So at this time- I am locked in for arrival at the Beckley Office for 23 May 2018, and we can work out the rest of the audit from there. Can start at your convenience otherwise 0830hrs is good for me. I know we have the Conference Call later that morning at 1000hrs, so can plan on being around office that morning.

Will be in travel tomorrow, so if any items of discussion – please feel free to call me.. thanks..

**V/R**

**Greg Puth**
**Pipeline Inspector**
**Pipeline and Hazardous Materials Safety Administration**
**Office of Pipeline Safety – Eastern Region**

Mobile: 804-263-4565
E-Mail: gregory.puth@dot.gov
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http://www.transportation.gov/pipelines-hazmat

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**From:** Butler, John [mailto:JButler@eqt.com]
**Sent:** Friday, May 18, 2018 11:37 AM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Cc:** Lyons, Jacob <JLyons@eqt.com>; Kerns, Mark <MKerns@eqt.com>
**Subject:** MVP - Spread F Inspection Dates

Greg,

We discussed the project yesterday and have come up with some recommendations for you. The trailer for Spread F is in Beckley, WV and would be the best meeting location. Also, the pipe yard for this spread is in close driving distance to the trailer. They are going to start welding soon but I don't know how much there will be for you to see. I would like for you to see as much as possible during your visit (e.g., welding, coating, pipe yards, lowering in, backfilling). You indicated that you are available to come the next two weeks. We are fine with whatever you decide but you might see more things if you give them a week to make some progress. Please get in touch if you have further questions. Have a good weekend.

John D. Butler, P.E.
EQT Midstream
Compliance Engineer
303 Sand Cut Road

Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

*To learn about EQT's sustainability efforts visit: https://csr.eqt.com*

**From:** Puth, Gregory (PHMSA)
**Sent:** Wednesday, January 23, 2019 2:52 PM
**To:** Butler, John; jim.fisher
**Cc:** Lyons, Jacob
**Subject:** RE: MVP - Spread I HDD Pigg River Update as of 01-23-2019

Roger that,, Thanks Much.

**V/R**

**Greg Puth**
**Pipeline Inspector**
**Pipeline and Hazardous Materials Safety Administration**
**Office of Pipeline Safety – Eastern Region**

Mobile: 804-263-4565
E-Mail: gregory.puth@dot.gov
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**From:** Butler, John [mailto:JButler@equitransmidstream.com]
**Sent:** Wednesday, January 23, 2019 2:47 PM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>; jim.fisher <jim.fisher@scc.virginia.gov>
**Cc:** Lyons, Jacob <JLyons@equitransmidstream.com>
**Subject:** MVP - Spread I HDD Pigg River Update as of 01-23-2019

Greg/Jim

The date has been pushed again. Projected pipe pull date is 02-21-2019 but could slide to 02-26-2019.

John D. Butler, P.E.
Equitrans Midstream
Compliance Engineer
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

**From:** Jim Fisher <Jim.Fisher@scc.virginia.gov>
**Sent:** Friday, June 29, 2018 3:57 PM
**To:** Puth, Gregory (PHMSA)
**Cc:** Drew Eaken; Scott A. Marshall; Sean Wallace
**Subject:** RE: MVP - Spread I Road Bore Remediation Plan

Mr. Puth,

Thank you Sir. We will make the necessary corrections in IA.

V/R

Jim

---

**From:** Puth, Gregory (PHMSA) [mailto:gregory.puth@dot.gov]
**Sent:** Friday, June 29, 2018 3:51 PM
**To:** Jim Fisher <Jim.Fisher@scc.virginia.gov>
**Cc:** Drew Eaken <Drew.Eaken@scc.virginia.gov>; Scott A. Marshall <Scott.Marshall@scc.virginia.gov>; Sean Wallace <Sean.Wallace@scc.virginia.gov>; Small, Barry (PHMSA) <barry.small@dot.gov>
**Subject:** RE: MVP - Spread I Road Bore Remediation Plan

Greetings Mr. Fisher,

Per our Telecon on 27 June 2018 at 1230hrs CST with EQT personnel, VSCC and Myself – where we discussed this action plan and EQT's steps in preventing further concern with the construction of their gas pipeline in relation to the 2888 coating hardness - PHMSA ER has no further concerns with the coatings covering joints across the 4 different road crossings in the Action plan..

Appreciate a note in IA showing this observation was corrected in the field as you see fit, and look forward to a message from Mr. Butler stating when this action plan will be carried out to ensure regulator coverage..

Please let me know if there is any further clarification or discussion needed. Thanks Much and have a grand weekend and holiday.

**V/R**

**Greg Puth**
**Pipeline Inspector**
**Pipeline and Hazardous Materials Safety Administration**
**Office of Pipeline Safety – Eastern Region**

Mobile: 804-263-4565
E-Mail: gregory.puth@dot.gov
Please visit us at http://phmsa.dot.gov/ or
http://www.transportation.gov/pipelines-hazmat

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---

**From:** Jim Fisher [mailto:Jim.Fisher@scc.virginia.gov]
**Sent:** Wednesday, June 27, 2018 9:13 AM

**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Cc:** Drew Eaken <Drew.Eaken@scc.virginia.gov>; Scott A. Marshall <Scott.Marshall@scc.virginia.gov>; Sean Wallace <Sean.Wallace@scc.virginia.gov>
**Subject:** FW: MVP - Spread I Road Bore Remediation Plan

Mr. Puth,

Please review the "MVP-Spread I Road Bore Remediation Plan", relative to the coating issues previously discovered by VASCC Staff. As you are aware this plan was developed in response to the joint PHMSA/VASCC conference call with EQT last week that you participated in. Staff has reviewed the plan and has no questions or concerns with the plan or our follow-up conference call with Mr. Butler, EQT compliance.

Please provide PHMSA ER response to the plan and direction going forward. We understand you are at PHMSA TQ, we will attempt to coordinate the call with EQT around your schedule. Thank you.

V/R

Jim

James B. Fisher
Sr. Utilities Engineer
State Corporation Commission
1300 East Main Street
Richmond, Virginia 23219
jim.fisher@scc.virginia.gov
(804) 371-9568 - Office
(804) 840-0265 - Cell
(804) 225-1058 - Fax

---

**From:** Kerns, Mark [mailto:MKerns@eqt.com]
**Sent:** Tuesday, June 26, 2018 6:28 PM
**To:** Jim Fisher <Jim.Fisher@scc.virginia.gov>
**Cc:** Butler, John <JButler@eqt.com>; West, Gregg <GWest@eqt.com>; gregory.puth@dot.gov; Drew Eaken <Drew.Eaken@scc.virginia.gov>; Lyons, Jacob <JLyons@eqt.com>
**Subject:** MVP - Spread I Road Bore Remediation Plan

Jim – the attached plan outlines MVP's path to address SP-2888 coatings on Spread-I road bores that do not depict recorded hardness readings on inspection forms.

I will post all pertinent attachments referenced in this correspondence to the MVP Box due to email file size limitations.

Please let me or John know if you have any questions.

Mark Kerns
Director, Compliance
412-395-3604
mkerns@eqt.com

*To learn about EQT's sustainability efforts visit:* https://csr.eqt.com

## Umeaku, Marilyn CTR (PHMSA)

**From:** Butler, John <JButler@equitransmidstream.com>
**Sent:** Tuesday, October 13, 2020 4:12 PM
**To:** Puth, Gregory (PHMSA)
**Cc:** Lyons, Jacob
**Subject:** RE: MVP - Status Update as of 10/12/2020



Greg,

Construction of the Green Interconnect site has begun. I'm told that there will be at least a month of site work and earth moving before any welding or equipment setting will be taking place.

John D. Butler, P.E.
Equitrans Midstream
Senior Engineer
Pipeline Integrity
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

---

**From:** Butler, John
**Sent:** Monday, October 12, 2020 3:44 PM
**To:** Puth, Gregory (PHMSA <gregory.puth@dot.gov>; Jim Fisher <Jim.Fisher@scc.virginia.gov>
**Subject:** MVP - Status Update as of 10/12/2020

As you have heard, MVP has been given the green light to resume construction. Based on conversations I've had today, we are currently testing welders, mostly in the north. Most activity is mobilizing equipment but if all goes well, we could be starting construction on the Green Interconnect (WV) very soon. Also, we may be starting tie-in work on remaining stream crossings on spreads H and I as early as Monday, October 19th, but more likely later that week.

I'll be going over these updates and any others I hear of on the call tomorrow morning.

John D. Butler, P.E.
Equitrans Midstream
Senior Engineer
Pipeline Integrity
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

**From:** Puth, Gregory (PHMSA)
**Sent:** Tuesday, October 9, 2018 5:24 PM
**To:** 'Butler, John'
**Subject:** RE: MVP - Update as of 09/28/2018

Greetings John,
Hope you had a grand weekend.

Want to lock in for next week 15th Oct. 2018,, Lets plan on Tuesday-Thursday at this time on Stallworth, Spread A, and then down to Harris. I'll leave it up to you for which end we start at, but want to flow sorta in a direction to reduce road time, coordinate hotels, and maximize observation/records time..

Please let me know by End-of-Business tomorrow accordingly.. Thanks Much.

**V/R**

**Greg Puth**
**Pipeline Inspector**
**Pipeline and Hazardous Materials Safety Administration**
**Office of Pipeline Safety – Eastern Region**

Mobile: 804-263-4565
E-Mail: gregory.puth@dot.gov
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---

**From:** Butler, John [mailto:JButler@eqt.com]
**Sent:** Friday, September 28, 2018 9:21 AM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Cc:** Lyons, Jacob <JLyons@eqt.com>
**Subject:** MVP - Update as of 09/28/2018

Greg,

Hope all is well with you. We are progressing with construction on our spreads and compressor stations. I would say that construction on Harris CS (near Flatwoods, WV) has progressed the most with Stallworth CS (near Dawson, WV) a few weeks behind and Bradshaw CS (near Logansport, WV) much further behind. Please let me know when and how you intend to plan your next visit. There is probably enough to see on Harris CS and maybe Stallworth CS to make a trip worthwhile now.

The VA SCC has resumed inspections in VA this week and will continue next week and beyond. Additionally, we are planning to remediate the remaining three road bores on Spread I starting Monday and continuing to probably Thursday. Jim Fisher is planning to witness them. Jake Lyons and myself will both be in VA next week – one of us will be with Jim Fisher on the road bores and the other will be with Stuart Rott doing regular inspections. Hopefully, we will be able to break away for our bi-weekly call on Tuesday.

Have a great weekend.

John D. Butler, P.E.
EQT Midstream
Compliance Engineer
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

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**From:** jim.fisher
**Sent:** Tuesday, October 29, 2019 8:41 AM
**To:** Puth, Gregory (PHMSA)
**Cc:** stuart.rott; drew.eaken
**Subject:** RE: MVP 2019 Efforts.

Good Morning Greg,

It is our pleasure to assist on the project. If you find anything that needs to be addressed in IA let me know. We look forward to getting this project back underway and completed as well. Let me know if you need anything from us.

V/R

Jim

---

**From:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Sent:** Monday, October 28, 2019 5:08 PM
**To:** Jim Fisher <Jim.Fisher@scc.virginia.gov>
**Subject:** MVP 2019 Efforts.

Greetings Jim,
Wanted to take a moment to Thank You and your Team for their Assistance on the MVP project this past year, and Was in IA starting to close out and Saw that all your Forms were already Marked Complete.
Thanks Much and Will Look Forward to the continued support in the coming year as the MVP continues its construction.

Respectfully,

Greg Puth

U.S. Department of Transportation
Pipeline and Hazardous Material Safety Administration
Pipeline Inspector - Eastern Region, West Trenton, NJ

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**From:** Butler, John <JButler@equitransmidstream.com>
**Sent:** Monday, July 22, 2019 11:38 AM
**To:** Klesin, Joseph (PHMSA); Lyons, Jacob
**Cc:** Puth, Gregory (PHMSA); Small, Barry (PHMSA)
**Subject:** RE: MVP Inspection

Mr. Klesin,

My name is John Butler and I'm the lead for Compliance on MVP. Jake Lyons is on vacation this week so I'll be happy to address your request.

As I understand it, the VA SCC will be auditing in VA next week so you are welcome to join us there. Or if you prefer, there are plenty of active sights in WV to inspect as well. Please indicate your intention and I'll make the arrangements. We look forward to meeting you.

John D. Butler, P.E.
Equitrans Midstream
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303 Sand Cut Road
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Mobile: 304-543-0225

---

**From:** Klesin, Joseph (PHMSA) <joseph.klesin@dot.gov>
**Sent:** Monday, July 22, 2019 11:33 AM
**To:** Lyons, Jacob <JLyons@equitransmidstream.com>; Butler, John <JButler@equitransmidstream.com>
**Cc:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>; Small, Barry (PHMSA) <barry.small@dot.gov>
**Subject:** [EXTERNAL] MVP Inspection

Jacob,

I am contemplating conducting an inspection of the MVP project the week of 7/29 or 8/5.
Preference is for active VA work the week of 7/29, but am also considering WV as an alternative for either week. Monday and Friday would be scheduled as travel days.

Please provide me a current spread map for WV and VA, along with a summary of current MVP activities occurring throughout so that I can dial-in a suitable week.

Thank you.

**Joseph F. Klesin**
Project Manager – Eastern Region
Pipeline & Hazardous Materials Safety Administration
United States Department of Transportation
840 Bear Tavern Road, Suite 300
West Trenton, NJ 08628
Phone: (202) 570-3143
Email: joseph.klesin@dot.gov

**From:** Butler, John <JButler@eqt.com>
**Sent:** Tuesday, August 28, 2018 10:37 AM
**To:** Woods, Ian (PHMSA)
**Cc:** Puth, Gregory (PHMSA); Small, Barry (PHMSA); Lyons, Jacob
**Subject:** RE: MVP Question. Public inquiry

Ian,

We appreciate your patience. Our team has an answer for you but we are building the explanation and it's taking some time.

John D. Butler, P.E.
EQT Midstream
Compliance Engineer
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

---

**From:** Woods, Ian (PHMSA) <ian.woods@dot.gov>
**Sent:** Thursday, August 23, 2018 2:33 PM
**To:** Butler, John <JButler@eqt.com>
**Cc:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>; Small, Barry (PHMSA) <barry.small@dot.gov>; Lyons, Jacob <JLyons@eqt.com>
**Subject:** [EXTERNAL] RE: MVP Question. Public inquiry

Thank you for the clarification John. Is any part of the MVP project/storage yards located on or in close proximity of any RCRA/Superfund/NPL sites that would contain PCB or any other hazardous waste materials? Thank you.

Regards,
Ian

Ian Woods
Community Liaison, Eastern Region
U.S. Department of Transportation
Pipeline and Hazardous Materials Safety Administration (PHMSA)
Outreach and Engagement Division
e-mail: ian.woods@dot.gov
Tel: 609-468-9478


---

**From:** Butler, John [mailto:JButler@eqt.com]
**Sent:** Thursday, August 23, 2018 2:09 PM
**To:** Woods, Ian (PHMSA) <ian.woods@dot.gov>
**Cc:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>; Small, Barry (PHMSA) <barry.small@dot.gov>; Lyons, Jacob

<JLyons@eqt.com>
**Subject:** RE: MVP Question. Public inquiry

Ian,

MVP does not use PCB containing materials during construction. MVP's Resource Report 12 describes the procedure to follow if PCBs are encountered.

John D. Butler, P.E.
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303 Sand Cut Road
Clarksburg, WV 26301
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---

**From:** Woods, Ian (PHMSA) <ian.woods@dot.gov>
**Sent:** Wednesday, August 22, 2018 4:03 PM
**To:** Butler, John <JButler@eqt.com>
**Cc:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>; Small, Barry (PHMSA) <barry.small@dot.gov>
**Subject:** [EXTERNAL] MVP Question. Public inquiry

Hi John,
I received a call today from a concerned resident in Virginia regarding PCBs and the MVP construction project. I believe she was present at a recent ground water hearing and found out that EQT has a PCB Spill response procedure. I could not find out if this was a generic response procedure for operations/maintenance or for construction only. I am not familiar with any PCB usage during construction other than solvents or possible excavation in or near PCB contaminated soils such as those found on RCRA sites or Superfund remedial sites. Please clarify if there is a PCB Spill response procedure and what materials would contain PCBs during construction of the MVP project. Thank you very much for your time and consideration.

Regards,
Ian

Ian Woods
Community Liaison, Eastern Region
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Pipeline and Hazardous Materials Safety Administration (PHMSA)
Outreach and Engagement Division
e-mail: ian.woods@dot.gov
Tel: 609-468-9478

**From:** Butler, John <JButler@eqt.com>
**Sent:** Thursday, August 16, 2018 1:05 PM
**To:** Jim Fisher; Puth, Gregory (PHMSA)
**Cc:** Kerns, Mark; Lyons, Jacob
**Subject:** RE: MVP Update - Resuming Work

Stabilization is the only thing they can do in VA.

John D. Butler, P.E.
EQT Midstream
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303 Sand Cut Road
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Office: 304-561-3785
Mobile: 304-543-0225

---

**From:** Jim Fisher <Jim.Fisher@scc.virginia.gov>
**Sent:** Thursday, August 16, 2018 11:37 AM
**To:** Butler, John <JButler@eqt.com>; Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Cc:** Kerns, Mark <MKerns@eqt.com>; Lyons, Jacob <JLyons@eqt.com>
**Subject:** [EXTERNAL] RE: MVP Update - Resuming Work

John,

Thank you for the update. Are you still able to work the stabilization plan in VA? Or is that pretty much done?

V/R

Jim

---

**From:** Butler, John [mailto:JButler@eqt.com]
**Sent:** Thursday, August 16, 2018 11:24 AM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>; Jim Fisher <Jim.Fisher@scc.virginia.gov>
**Cc:** Kerns, Mark <MKerns@eqt.com>; Lyons, Jacob <JLyons@eqt.com>
**Subject:** RE: MVP Update - Resuming Work

Greg/Jim

MVP has been granted permission by FERC to resume construction in limited areas. We are now allowed to continue work between mileposts 0 and 77. This area covers spreads A, B, and part of C. At this time, we are still under a stop work order for the remainder of the pipeline. However, we are permitted to resume construction on the compressor stations.

In summary, we are only working on the first three spreads in WV plus the compressor stations. We will continue to keep you updated. Have a great day.

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---

**From:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Sent:** Tuesday, August 14, 2018 2:55 PM
**To:** Butler, John <JButler@eqt.com>; jim.fisher@scc.virginia.gov
**Subject:** [EXTERNAL] Re: MVP Update - Resuming Work

Roger that, thanks John appreciate the update.

P.S.- Still want to get with you on a Bi-weekly report and get that going here real soon.

Respectfully,

Greg Puth
Pipeline Inspector – Eastern Region
Pipeline and Hazardous Materials Safety Administration

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**From:** Butler, John <jbutler@eqt.com>
**Sent:** Tuesday, August 14, 2018 12:27 PM
**To:** Puth, Gregory (PHMSA); jim.fisher@scc.virginia.gov
**Cc:** Kerns, Mark; Lyons, Jacob
**Subject:** RE: MVP Update - Resuming Work

Update for remaining spreads and compressor stations.

Spreads A through E are in the same boat as spreads F through I. Not much going on.

Compressor stations are only doing environmental upkeep until September 1st.

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-----Original Message-----
From: Butler, John
Sent: Monday, August 13, 2018 9:51 PM
To: gregory.puth@dot.gov; Jim.Fisher@scc.virginia.gov
Cc: Kerns, Mark <MKerns@eqt.com>; Lyons, Jacob <JLyons@eqt.com>

Subject: MVP Update - Resuming Work

Greg/Jim

Update on spreads F through I. A through E coming tomorrow.

All that can be done this week on F, G, H & I is the stabilization plan. This is lowering in and backfilling where there is open ditch and pipe is already welded, also welding where pipe is strung at open ditch, pipe coating and then lowering in. There will be a little bit of welding, coating and lowering in. Not a lot, again only where there is open ditch. Spread F and H would have most of the work, spread I has no open ditch so would have no work and spread G has some lowering in and tie in welds.

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**From:** Butler, John <JButler@equitransmidstream.com>
**Sent:** Monday, February 22, 2021 12:05 PM
**To:** jim.fisher; Puth, Gregory (PHMSA)
**Cc:** Lyons, Jacob
**Subject:** RE: MVP Update as of 02/22/2021



Yes. Now that work is resuming, there should be no reason for me to cancel future meetings. The next meeting is scheduled for March 2nd, next Tuesday.

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---

**From:** Jim Fisher <Jim.Fisher@scc.virginia.gov>
**Sent:** Monday, February 22, 2021 11:54 AM
**To:** Butler, John <JButler@equitransmidstream.com>; Puth, Gregory (PHMSA <gregory.puth@dot.gov>
**Cc:** Lyons, Jacob <JLyons@equitransmidstream.com>
**Subject:** [EXTERNAL] RE: MVP Update as of 02/22/2021

Thank you for the update John. Would the below information prompt resuming the bi-weekly conference call update? Let us know.

V/R

Jim

---

**From:** Butler, John <JButler@equitransmidstream.com>
**Sent:** Monday, February 22, 2021 11:44 AM
**To:** Puth, Gregory (PHMSA <gregory.puth@dot.gov>; Jim Fisher <Jim.Fisher@scc.virginia.gov>
**Cc:** Lyons, Jacob <JLyons@equitransmidstream.com>
**Subject:** MVP Update as of 02/22/2021

Greg/Jim

The U.S. Circuit Court of Appeals in D.C. denied the request for an emergency stay on Mountain Valley Pipeline. We intend to resume work on Spread G immediately starting with mobilizing people, equipment, etc. Welder testing will be happening sometime soon and meaningful productive pipelining is estimated to begin around 03/22/2021.

All spreads:
Stream crossing permits are likely to be issued late summer so we are anticipating working in those locations by September 2021.

CP installations, both temporary and permanent, are continuing. They have been delayed quite a bit lately due to weather.

In WV:

Gauley River Mine Refuse remediation work is still on hold. Still having back and forth conversations with DEP of WV.

Spreads A-D still have some miscellaneous upland work and bore work that will hopefully resume by June 2021.

Greene Interconnect location should be completed by the end of this week.

Slip remediation at Brush Run on Spread B has been delayed due to weather. Work will resume and continue for at least a couple of months.

Please reach out with any questions you may have. Hope to see you very soon.

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Senior Engineer
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303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

**From:** Klesin, Joseph (PHMSA)
**Sent:** Tuesday, November 26, 2019 4:02 PM
**To:** Butler, John
**Cc:** Puth, Gregory (PHMSA)
**Subject:** RE: MVP

And yes ROV = Remote operated valve

**Joseph F. Klesin**
Project Manager – Eastern Region
Pipeline & Hazardous Materials Safety Administration
United States Department of Transportation
840 Bear Tavern Road, Suite 300
West Trenton, NJ 08628
Phone: (202) 570-3143
Email: joseph.klesin@dot.gov

---

**From:** Klesin, Joseph (PHMSA)
**Sent:** Tuesday, November 26, 2019 3:57 PM
**To:** Butler, John <JButler@equitransmidstream.com>
**Cc:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Subject:** RE: MVP

Automatic shutoff valve

**Joseph F. Klesin**
Project Manager – Eastern Region
Pipeline & Hazardous Materials Safety Administration
United States Department of Transportation
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Phone: (202) 570-3143
Email: joseph.klesin@dot.gov

---

**From:** Butler, John [mailto:JButler@equitransmidstream.com]
**Sent:** Tuesday, November 26, 2019 3:56 PM
**To:** Klesin, Joseph (PHMSA) <joseph.klesin@dot.gov>
**Cc:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Subject:** RE: MVP

What do you mean by ASV/ROV? I'm assuming ROV means remotely operated but not familiar with ASV.

John D. Butler, P.E.
Equitrans Midstream
Senior Engineer
Pipeline Integrity
303 Sand Cut Road
Clarksburg, WV 26301

Office: 304-561-3785
Mobile: 304-543-0225

---

**From:** Klesin, Joseph (PHMSA) <joseph.klesin@dot.gov>
**Sent:** Tuesday, November 26, 2019 3:03 PM
**To:** Butler, John <JButler@equitransmidstream.com>
**Cc:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Subject:** [EXTERNAL] MVP

Hi John,

Can you provide me total # of mainline valves for MVP and % that are ASV/ROV?
Know have more than likely requested and noted info in past, but looking for accurate quick turnaround.

Thanks.

**Joseph F. Klesin**
Project Manager – Eastern Region
Pipeline & Hazardous Materials Safety Administration
United States Department of Transportation
840 Bear Tavern Road, Suite 300
West Trenton, NJ 08628
Phone: (202) 570-3143
Email: joseph.klesin@dot.gov

**From:** Butler, John <JButler@equitransmidstream.com>
**Sent:** Monday, January 28, 2019 4:15 PM
**To:** Puth, Gregory (PHMSA)
**Subject:** RE: Possible Site Visit Planning.

We can go to Stallworth CS and we can also go to the Transco Interconnect (Chatham, VA). You've already been to the WB interconnect (Flatwoods, WV) at Harris CS but I'll leave that up to you. The WB interconnect is 2 hours away from Stallworth and the Transco interconnect is about 3 hours away.

John D. Butler, P.E.
Equitrans Midstream
Compliance Engineer
303 Sand Cut Road
Clarksburg, WV 26301
Office: 304-561-3785
Mobile: 304-543-0225

---

**From:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Sent:** Monday, January 28, 2019 3:21 PM
**To:** Butler, John <JButler@equitransmidstream.com>
**Subject:** [EXTERNAL] Possible Site Visit Planning.

Greetings John,
Hope you had a great weekend,

Want to see what it would take to inspect an Interconnect and a Compressor Station later this week. I am currently thinking of Southern end of MVP (Stallworth), but Could also consider Other options.

Respectfully,

Greg Puth

U.S. Department of Transportation
Pipeline and Hazardous Material Safety Administration
Pipeline Inspector - Eastern Region, West Trenton, NJ

Mobile – (804) 263-4565
E-mail – Gregory.puth@dot.gov
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**From:** Lyons, Jacob <JLyons@eqt.com>
**Sent:** Tuesday, July 24, 2018 9:26 AM
**To:** Jim Fisher
**Cc:** Drew Eaken; Scott A. Marshall; Sean Wallace; Stuart Rott; Shane Ayers; Butler, John; Puth, Gregory (PHMSA); Kerns, Mark
**Subject:** RE: VASCC August MVP Inspection Schedule

Jim,
As you requested, below are the engineers I have scheduled for the inspection. This could change a little based on Greg's schedule and other things that could come up. I believe you have the contact information for all of the engineers below. If you don't I can resend it.

Thanks,
Jake

| | |
|---|---|
| 8/1-8/3 | Andy Gabany |
| 8/8-8/10 | John Butler |
| 8/14-8/17 | Joe Lombardo |
| 8/21-8/23 | Jake Barry |
| 8/27-8/29 | Jake Lyons |

**Jacob Lyons**
Manager Pipeline Safety and Compliance
EQT Midstream
2200 Energy Drive
Canonsburg, PA 15317
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---

**From:** Jim Fisher [mailto:Jim.Fisher@scc.virginia.gov]
**Sent:** Monday, July 23, 2018 11:46 AM
**To:** Lyons, Jacob <JLyons@eqt.com>
**Cc:** Drew Eaken <Drew.Eaken@scc.virginia.gov>; Scott A. Marshall <Scott.Marshall@scc.virginia.gov>; Sean Wallace <Sean.Wallace@scc.virginia.gov>; Stuart Rott <Stuart.Rott@scc.virginia.gov>; Shane Ayers <Shane.Ayers@scc.virginia.gov>; Butler, John <JButler@eqt.com>; Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Subject:** [EXTERNAL] VASCC August MVP Inspection Schedule

Jake,

Below is the August inspection schedule for VASCC with the spread location to meet your people on the first day of inspection:

- 01-03 August, Shane Ayers, meet at Spread I Trailer
- 08-10 August, Stuart Rott, meet at Spread G Trailer
- 14-17 August, Shane Ayers, meet at Spread H Trailer
- 21-23 August, Shane Ayers, meet at Spread G Trailer

- 27-29 August, Jim Fisher, meet at Spread I Trailer

Per our previous conversation please provide the POC (name and phone number), from your Company that will be with VASCC inspectors. If you need anything else let me know.

V/R

Jim

James B. Fisher
Sr. Utilities Engineer
State Corporation Commission
1300 East Main Street
Richmond, Virginia 23219
jim.fisher@scc.virginia.gov
(804) 371-9568 - Office
(804) 840-0265 - Cell
(804) 225-1058 - Fax

**From:** Lyons, Jacob <JLyons@equitransmidstream.com>
**Sent:** Wednesday, January 9, 2019 10:40 AM
**To:** jim.fisher; Butler, John
**Cc:** stuart.rott; scott.marshall; drew.eaken; Puth, Gregory (PHMSA); Klesin, Joseph (PHMSA); Gabany, Andrew; Lombardo, Joe; Barry, Jacob D; Kerns, Mark
**Subject:** RE: VASCC MVP Inspection Plan January 2019

Jim,
The schedule and contact information is below. I will let you know if anything changes. I am going to leave it to John to coordinate with you on the start date next week. If he doesn't feel safe driving I would ask that we would start the inspection on Tuesday but we can figure that out Sunday night/Monday morning.

Thanks,
Jake

- 14-17 January 2019, John Butler (304-543-0225), meet at Spread I Trailer
- 22-24 January 2019, Jake Barry (724-553-7803), meet at Spread I Trailer
- 28-31 January 2019, Andy Gabany (412-552-0845), meet at Spread I Trailer

**Jacob Lyons**
Manager Pipeline Safety and Compliance
Equitrans Midstream
2200 Energy Drive
Canonsburg, PA 15317
Office: (412) 553-7870 Cell: (412) 295-3962

---

**From:** Jim Fisher <Jim.Fisher@scc.virginia.gov>
**Sent:** Wednesday, January 09, 2019 10:32 AM
**To:** Lyons, Jacob <JLyons@equitransmidstream.com>; Butler, John <JButler@equitransmidstream.com>
**Cc:** Stuart Rott <Stuart.Rott@scc.virginia.gov>; Scott A. Marshall <Scott.Marshall@scc.virginia.gov>; Drew Eaken <Drew.Eaken@scc.virginia.gov>; Puth, Gregory (PHMSA) <gregory.puth@dot.gov>; Klesin, Joseph (PHMSA) (joseph.klesin@dot.gov) <joseph.klesin@dot.gov>
**Subject:** [EXTERNAL] VASCC MVP Inspection Plan January 2019

Jake,

Below is the inspection schedule through January 2019 for VASCC inspectors with the spread location to meet your people on the first day of the inspection week:

- 14-17 January 2019, Jim Fisher, meet at Spread I Trailer
- 22-24 January 2019, Stuart Rott, meet at Spread I Trailer
- 28-31 January 2019, Scott Marshall, meet at Spread I Trailer

Please provide the POC (name and phone number), from your Company that will be with VASCC inspectors. With the forecasted weather for the weekend the start date for next week may be on the morning of the 15th. If you need anything else let me know.

V/R

Jim

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(804) 840-0265 - Cell
(804) 225-1058 - Fax

**From:** Puth, Gregory (PHMSA)
**Sent:** Wednesday, April 4, 2018 10:12 AM
**To:** 'Lyons, Jacob'
**Subject:** RE: meeting today

No Worries Mr. Lyons,
Will Plan on attending next week accordingly.

Do want to get my hands wrapped around the project though fairly soon.. If you already have available, I would be interested in an idea of Project schedule and current activities in the WV realm. Would help me with starting to get a picture of the project and scope. I very briefly spoke to Sean last week on this project, and He did show me a Quick Reference Inspection Aid you folks had developed for the project,, So look forward to seeing more of your team's efforts as I get further involved.

Thanks Again for keeping me informed.

**V/R**

**Greg Puth**
**Pipeline Inspector**
**Pipeline and Hazardous Materials Safety Administration**
**Office of Pipeline Safety – Eastern Region**

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E-Mail: gregory.puth@dot.gov
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**From:** Lyons, Jacob [mailto:JLyons@eqt.com]
**Sent:** Wednesday, April 04, 2018 10:04 AM
**To:** Puth, Gregory (PHMSA) <gregory.puth@dot.gov>
**Subject:** meeting today

Greg,
I apologize for postponing our meeting today until next week. The engineer assigned to the project has some family health issues he has to deal with and he couldn't make it. If you need anything from me let me know.

Thanks,
Jake

**Jacob Lyons**
Manager Pipeline Safety and Compliance
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**From:** Jim Fisher
**To:** Lyons, Jacob (JLyons@eqt.com)
**Cc:** Drew Eaken; Scott A. Marshall; Sean Wallace; Stuart Rott; Shane Ayers; Butler, John; Puth, Gregory (PHMSA)
**Subject:** VASCC August MVP Inspection Schedule
**Date:** Monday, July 23, 2018 11:47:09 AM

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Jake,

Below is the August inspection schedule for VASCC with the spread location to meet your people on the first day of inspection:

- 01-03 August, Shane Ayers, meet at Spread I Trailer
- 08-10 August, Stuart Rott, meet at Spread G Trailer
- 14-17 August, Shane Ayers, meet at Spread H Trailer
- 21-23 August, Shane Ayers, meet at Spread G Trailer
- 27-29 August, Jim Fisher, meet at Spread I Trailer

Per our previous conversation please provide the POC (name and phone number), from your Company that will be with VASCC inspectors. If you need anything else let me know.

V/R

Jim

James B. Fisher
Sr. Utilities Engineer
State Corporation Commission
1300 East Main Street
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(804) 371-9568 - Office
(804) 840-0265 - Cell
(804) 225-1058 - Fax

**From:** jim.fisher
**Sent:** Saturday, November 3, 2018 9:37 AM
**To:** Lyons, Jacob (JLyons@eqt.com)
**Cc:** drew.eaken; scott.marshall; stuart.rott; chris.delisle; Puth, Gregory (PHMSA)
**Subject:** VASCC MVP Inspection Schedule November 2018

Jake,

Below is the inspection schedule through November for VASCC inspectors with the spread location to meet your people on the first day of the inspection week:

- 6-8 November, Jim Fisher, meet at Spread I Trailer
- 27-29 November, Stuart Rott, meet at Spread I Trailer

I will not be able to meet your rep until 1300 on Tuesday, that would give him the opportunity to travel on Tuesday if he wishes. Please provide the POC (name and phone number), from your Company that will be with VASCC inspectors. If you need anything else let me know. Have a good weekend.

V/R

Jim

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