

## Results and Notes Review

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### ALO.EP: Emergency Preparedness and Response

**Question ID, References** [EP.ERG.LOCATION.O](#) , 192.615(b)(1) (also presented in: EP.ERG)

Question Text *Are supervisors provided the applicable portions of the emergency plan and procedures?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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### ALO.FS: Facilities and Storage

**Question ID, References** [FS.FG.VAULTCOND.O](#) , 192.749(a) (192.749(b); 192.749(c); 192.749(d)) (also presented in: FS.FG)

Question Text *Does the condition of selected vaults greater than 200 cubic feet housing pressure regulating/limiting equipment indicate these inspections have occurred?*

Result **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such relevant facilities/equipment existed in the scope of inspection review. GTN does not have any vaults.

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CSSYSROT.ESDLOCATION.O](#) , 192.167(a)(4) (also presented in: FS.CSSYSROT)

Question Text *Does each compressor station have an emergency shutdown system that is capable of being operated from at least two locations which are: 1) Outside the gas area of the station, 2) Near the exit gates, if the station is fenced, or near emergency exits, if not fenced, 3) And not more than 500 feet (153 meters) from the limits of the station?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605

Result **Sat**

Assets Covered Unit 3685

Temporary Inspector Notes (none)

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#### ALO.MO: Maintenance and Operations

**Question ID, References** [MO.GM.VALVEINSPECT.O](#) , 192.745(a) (192.745(b)) (also presented in: MO.GM)

Question Text *Are field inspection and partial operation of transmission line valves adequate?*

Result **Sat**

Assets Covered Unit 3695

Temporary Inspector Notes (none)

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**Question ID, References** [MO.GO.OMLOCATION.O](#) , 192.605(a) (also presented in: MO.GO)

Question Text *Are appropriate parts of the manual kept at locations where operations and maintenance activities are conducted?*

Result **Sat**

Assets Covered Unit 3695

Result Notes O&M manuals are kept electronically and each employee has access to them.

Temporary Inspector Notes (none)

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#### ALO.PD: Public Awareness and Damage Prevention

**Question ID, References** [PD.RW.ROWCONDITION.O](#) , 192.705(a) (192.705(c)) (also presented in: PD.RW)

Question Text *Are the ROW conditions acceptable for the type of patrolling used?*

Result **Concern**

Assets Covered Unit 3695

Summary (none)

Result Notes Idaho ROW is substantially clear. GTN has additional work to do to ensure that the ROW is completely clear and accessible.

TransCanada has a dedicated yearly budget for clearing ROW.

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3685

Result **Sat**

Assets Covered Unit 3605

Temporary Inspector Notes (none)

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**Question ID, References** [PD.RW.ROWMARKER.O](#) , 192.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20) (also presented in: PD.RW)

Question Text *Are line markers placed and maintained as required?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605

Result **Sat**

Assets Covered Unit 3685

Temporary Inspector Notes (none)

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#### **ALO.PROT9: OQ Protocol 9**

**Question ID, References** [TQ.PROT9.TASKPERFORMANCE.O](#) , 192.801(a) (192.809(a)) (also presented in: TQ.PROT9)

Question Text *Verify the qualified individuals performed the observed covered tasks in accordance with the operator's procedures or operator approved contractor procedures.*

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered (none)

Result **Sat**

Assets Covered Unit 3605

Result **Sat**

Assets Covered Unit 3695, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [TQ.PROT9.QUALIFICATIONSTATUS.O](#) , 192.801(a) (192.809(a)) (also presented in: TQ.PROT9)

Question Text *Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks.*

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered (none)

Result **Sat**

Assets Covered Unit 3605

Result **Sat**

Assets Covered Unit 3695, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [TQ.PROT9.AOCRECOG.O](#) , 192.801(a) (192.809(a)) (also presented in: TQ.PROT9)

Question Text *Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed.*

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3695, Unit 3685

Result **Sat**

Assets Covered Unit 3605

Temporary Inspector Notes (none)

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**Question ID, References** [TQ.PROT9.VERIFYQUAL.O](#) , 192.801(a) (192.809(a)) (also presented in: TQ.PROT9)

Question Text *Verify the qualification records are current, and ensure the personal identification of all individuals performing covered tasks are checked, prior to task performance.*

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered (none)

Result **Sat**

Assets Covered Unit 3605

Result **Sat**

Assets Covered Unit 3695, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [TQ.PROT9.CORRECTION.O](#) , 192.801(a) (192.809(a)) (also presented in: TQ.PROT9)

Question Text *Have potential issues identified by the headquarters inspection process been corrected at the operational level?*

Result **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such requirement existed in the scope of inspection review.

Temporary Inspector Notes (none)

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## ALO.TD: Time-Dependent Threats

**Question ID, References** [TD.CPMONITOR.INTFRCURRENT.O](#) , 192.473(a) (also presented in: TD.CPMONITOR)

Question Text *Are areas of potential stray current identified, and if found, the detrimental effects of stray currents minimized?*

Result **Sat**

Assets Covered Unit 3695

Temporary Inspector Notes (none)

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**Question ID, References** [TD.CP.MONITOR.CURRENTTEST.O](#) , 192.465(b) (also presented in: TD.CP.MONITOR)

Question Text *Are impressed current sources properly maintained and are they functioning properly?*

Result **Sat**

Assets Covered Unit 3695

Result Notes

Rectifier:

2.6-1-R 4 rectifiers in one all were in good working order.

46.7-1-R 25.2 mV, 2.0 Amps

46.7-2-R 16mV, 1.2 Amps

MP13.66 3.892V; 0.4 Amps

087.6-1-R

#1 102.5 V; 0.9 Amps

#2 9.2V; 0.4 Amps

#3 26.1 V; 0.9 Amps

#4 22.7 V; 1.3 Amps

#5 29.8V; 0.3 Amps

Temporary Inspector Notes (none)

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**Question ID, References** [TD.CP.ELECISOLATE.O](#) , 192.467(a) (192.467(b); 192.467(c); 192.467(d); 192.467(e)) (also presented in: TD.CP)

Question Text *Are measures performed to ensure electrical isolation of each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit?*

Result **Sat**

Assets Covered Unit 3695

Result Notes Eastport MP0.2:

A: -2012mV; Casing -0584mV

B: -2040mV; Casing -0689mV

MP10.6:

A: -1658mV; Casing -0376mV

B: -1840mV; Casing -0227mV

Sandpoint MS: TP1 Inlet: -1548mV; TP3 MS -0221mV; TP4 Outlet (Avista) -1233mV

Dover Bay MS: Inlet -1330mV; Outlet (TCPL/Avista) -1360mV/-1680mV

Sagle MS: Inlet -3280mV; Outlet (Avista) -1468mV

Athol MS: TP 1 inlet -2050mV; TP2 MS -395mV; TP3 MS -412mV; TP4 Outlet (Avista) -1281mV

Rathdrum MS Power Plant: Inlet Heater -2411mV; **Outlet MS -2011mV/ Avista -2013mV** Delivery point is shorted and not isolated from customer. Both are protected, however Isolation needs to be reestablished.

Rathdrum MS LDC: TP1 inlet -4150mV; TP2 MS -3303mV; TP5 inlet -5263mV; TP6 MS -4168; **TP3 MS outlet -2374mV; TP4 outlet (Avista) -2374mV.** Delivery point is shorted and not isolated from customer. Both are protected, however Isolation needs to be reestablished.

Temporary Inspector Notes (none)

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**Question ID, References** [TD.CPMONITOR.TESTLEAD.O](#) , 192.471(a) (192.471(b); 192.471(c); 192.469) (also presented in: TD.CPMONITOR)

Question Text *Do pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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## AR.RCOM: Repair Criteria (O and M)

**Question ID, References** [AR.RCOM.NONCOVERED.R](#) , 192.485(a) (192.485(b); 192.485(c); 191.23(a)(1); 192.703(b))

Question Text *From the review of the results of integrity assessments, did the operator repair conditions that posed a threat to pipeline integrity on Non-Covered segments?*

Result **Concern**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary (none)

Result Notes All areas requiring repair or replacement were repair or replaced as appropriate. A 500ft segment in Idaho (MP\*\*\*\* to MP\*\*\*\*) was replace due to a high concentration of corrosion anomalies.  
The next inspector should review the ILI Anomaly digs called out for 2015, 2016, 2017 and beyond for the A-line from Station 6 to 9.

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) **Yes, we have planned activities under the Corrosion, CP, and SCC programs. CP projects are listed in Question 13 ("Cathodic Protection Projects") in the Time Dependent Threats module.**

**3 SCCDA digs planned in OR**

**5 SCCDA digs in ID**

**4 External Corrosion Digs planned in OR**

**1 External Corrosion Dig planned in WA**

| <b>Program</b> | <b>Project Type</b> | <b>Sub Type</b>         | <b>Budget Project Name</b> | <b>State</b> |
|----------------|---------------------|-------------------------|----------------------------|--------------|
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs       | OR           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs       | ID           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs       | ID           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs       | ID           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs       | ID           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs       | ID           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs       | OR           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs       | OR           |

|           |             |               |                                          |    |
|-----------|-------------|---------------|------------------------------------------|----|
| Corrosion | Dig Program | Urgent        | GTN A Line Kingsgate to Station 6 NPS 36 | ID |
| Corrosion | Dig Program | Growth        | GTN A Line Station 6 to Station 9 NPS 36 | OR |
| Corrosion | Dig Program | Growth        | GTN A Line Station 6 to Station 9 NPS 36 | OR |
| Corrosion | Dig Program | Growth        | GTN A Line Station 6 to Station 9 NPS 36 | OR |
| Corrosion | Dig Program | Growth        | GTN A Line Station 6 to Station 9 NPS 36 | OR |
| Corrosion | Dig Program | Investigative | GTN B Line Station 5 to Station 6        | WA |

**Question ID, References** [AR.RCOM.REMEDIATIONOM.O](#) , 192.485(a) (192.485(b); 192.485(c))

Question Text *Is anomaly remediation and documentation of remediation adequate for all segments?*

**Result Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes Idaho SCC #5 DMA21421 dig observed for evaluation of anomaly and examination of pipe for SCC. 40 foot joint of pipe was examined using the black on white MAG particle technique for SCC. The NDT tech also measured an external corrosion anomaly called out by In-line Inspection tool run.

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) **Yes, we have planned activities under the Corrosion, CP, and SCC programs. CP projects are listed in Question 13 ("Cathodic Protection Projects") in the Time Dependent Threats module.**

- 3 SCCDA digs planned in OR**
- 5 SCCDA digs in ID**
- 4 External Corrosion Digs planned in OR**
- 1 External Corrosion Dig planned in WA**

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| <b>Program</b> | <b>Project Type</b> | <b>Sub Type</b>         | <b>Budget Project Name</b>               | <b>State</b> |
|----------------|---------------------|-------------------------|------------------------------------------|--------------|
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs                     | OR           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs                     | ID           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs                     | ID           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs                     | ID           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs                     | ID           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs                     | ID           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs                     | ID           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs                     | OR           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs                     | OR           |
| Corrosion      | Dig Program         | Urgent                  | GTN A Line Kingsgate to Station 6 NPS 36 | ID           |
| Corrosion      | Dig Program         | Growth                  | GTN A Line Station 6 to Station 9 NPS 36 | OR           |
| Corrosion      | Dig Program         | Growth                  | GTN A Line Station 6 to Station 9 NPS 36 | OR           |
| Corrosion      | Dig Program         | Growth                  | GTN A Line Station 6 to Station 9 NPS 36 | OR           |

|           |             |               |                                          |    |
|-----------|-------------|---------------|------------------------------------------|----|
| Corrosion | Dig Program | Growth        | GTN A Line Station 6 to Station 9 NPS 36 | OR |
| Corrosion | Dig Program | Investigative | GTN B Line Station 5 to Station 6        | WA |

### AR.EC: External Corrosion Direct Assessment (ECDA)

**Question ID, References** [AR.EC.ECDAPOSTASSESS.R](#) , 192.925(b)(4) (NACE SP-0502-2002 Section 6.2)

**Question Text** *From the review of the results of selected integrity assessments, were requirements met for post assessment?*

**Result** **Sat**

**Assets Covered** Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

**Result Notes** ECDA segments:

Coyote Lateral is Non-Piggable due to contractual obligations to the customer (Portland General Electric). The line is not down (inactive) long enough to install Pig launchers and receivers. Three HCAs are located at the end of the Lateral.

Medford Lateral MLV1 to MLV3 is not piggable. ECDA is used to Asses HCAs in this segment.

All B-line HCA's are piggable. Steve Gromack to provide a list of areas along B-line that are not piggable (Compressor Station bypass piping, ETC)

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) Where is ECDA used on GTN?

ECDA segments:

Coyote Lateral is Non-Piggable due to contractual obligations to the customer (Portland General Electric). The line is not down (inactive) long enough to install Pig launchers and receivers). Three HCAs are located at the end of the Lateral.

All B-line HCA's are piggable. Steve Gromack to provide a list of areas along B-line that are not piggable (Compressor Station bypass piping, ETC)

### AR.IC: Internal Corrosion Direct Assessment

**Question ID, References** [AR.IC.ICDAPOSTASSESS.R](#) , 192.927(c)(4)(i) (192.927(c)(4)(ii))

**Question Text** *From the review of the results of selected integrity assessments, did the operator assess the effectiveness of the ICDA process?*

**Result Concern**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary (none)

Result Notes B-line is not piggable at Kings Gate to CS4, CS 6-11, CS13 to Malin. IC may or may not be an issue. Does TC have enough data from the piggable portions and gas quality monitoring to say that IC is not a concern.

What did TC learn from analysis of "oily pipeline sludge" and "oily Pipeline debris"?

Temporary Inspector Notes (none)

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**AR.IL: In-Line Inspection (Smart Pigs)**

**Question ID, References** [AR.IL.ILIVALIDATE.O](#) , 192.921(a)(1) (B31.8S Section 6.2.6)

Question Text *From a review of field staff, do the employees and vendors validate ILI assessment results per their procedures?*

**Result NA**

Assets Covered Unit 3695, Unit 67755, Unit 3685

Result Notes No such activity/condition was observed during the inspection. No ILI activity was scheduled during the inspection.

**Result NA**

Assets Covered Unit 66685

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

**Result NA**

Assets Covered Unit 3605

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

Temporary Inspector Notes (none)

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**Question ID, References** [AR.IL.ILIACCEPCRITERIA.R](#) , 192.921(a) (B31.8S Section 6.2.5)

Question Text *Do records indicate adequate implementation of the process for ILI survey acceptance?*

**Result Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [AR.IL.ILIIMPLEMENT.O](#) , 192.620(d)

Question Text *Are O&M and IMP procedural requirements for the performance of ILI followed?*

**Result NA**

Assets Covered Unit 3695, Unit 67755, Unit 3685

Result Notes No such activity/condition was observed during the inspection. No ILI activity was scheduled during the inspection.

**Result NA**

Assets Covered Unit 66685

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

**Result NA**

Assets Covered Unit 3605

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

Temporary Inspector Notes (none)

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**AR.OT: Other Technology****Question ID, References** [AR.OT.OTPLAN.P](#) , 192.921(a)(4)

Question Text *Has a process been developed for the "other technologies" that have been used?*

**Result Concern**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary (none)

Result Notes Waiting for AICM TEP.

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) Review SCC AICM

**"We have notified the OPS about our use of other technology. " But Is TransCanada actively using the "Other Technology" as an official assessment method? Or simply collecting data to be used with another Method? PHMSA has not approved the use of the SSC AICM method.**

**TCPL needs:**

- o to identify all procedures in AICM process.

- o to identify in the procedures where definitive words/requirements for carrying out inspections and the inspection/re-inspection time intervals. Including type of inspections.
- o Where has TCPL added any required maximum time interval for the collection of time sensitive data and how is it determined.
- o Data such as CIS results, annual CP readings, coating condition, current demand, location of external corrosion and even operating temperature becomes dated and must have a "do not use after x years" warning. **Where does TCPL [state] in the procedures they will collect new data for the data elements that have a shelf life**. The documentation states AICM process is run annually although it appears the results can't be accurate unless fresh data is used.

**The following documents would need to be in procedure format as follows:**

- 1) SCC Evaluation Flow Chart – Overall Process
- 2) Assessment Procedures – Flow Chart
  - a. SCC Risk Algorithm – Prioritizing Segments
  - b. SCCDA Site Selection Procedures
  - c. SCCDA Excavation Procedures
- 3) Remediation Procedures – Excavation, Repairs, and pressure Test Intervals
- 4) Procedures – Overall (listing)
- 5) Annual Report – to PHMSA Regions
  - a. List SCC findings throughout System including: locations where SCC has been found, remediation/methods, pressure tested segments, future pressure tests/dates, and any leaks or failures.

**Question:** How will near-neutral SCC be assessments with it occurring anywhere there is high stress levels and external loads? Why should it not be assessed at all excavations?

**Question ID, References** [AR.OT.OTPLAN.R](#) , 192.921(a)(4)

**Question Text** *From the review of selected integrity assessments results, were the assessments performed in accordance with the process and vendor recommendations?*

**Result** Concern

**Assets Covered** Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

**Summary** (none)

**Result Notes** Waiting on AICM decision by PHMSA. Steve Nanny is PHMSA Lead.

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) Review records of SCC AICM

**"We have notified the OPS about our use of other technology. " But Is TransCanada actively using the "Other Technology" as an official assessment method? Or simply collecting data to be used with another Method? PHMSA has not approved the use of the SSC AICM method.**

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#### AR.PTI: Integrity Assessment Via Pressure Test

**Question ID, References** [AR.PTI.PRESSTESTRESULT.R](#) , 192.517(a) (192.505(a); 192.505(b); 192.505(c); 192.505(d); 192.505(e); 192.507(a); 192.507(b); 192.507(c); 192.617; 192.919(e); 192.921(a)(2); B31.8S Section 6.3.4)

**Question Text** *From the review of the results of pressure tests, do the test records validate the pressure test?*

**Result** Sat

**Assets Covered** Unit 67755

**Result Notes** B-Line Pressure test conducted at 244+77 feet (downstream of MLV 8-2) to 288+30 feet. 340 feet of 36" and 4000 feet of 42". The test was through the town of Stanfield, OR. The HCA contains several schools, a subdivision and parks.

Pressure test was chosen for this segment because of the proximity to the public (the line runs through the town) and the B-Line is not piggable due to the lack of facilities and line restrictions related to Compressor Station Piping.

**Result** NA

**Assets Covered** Unit 3695, Unit 66685, Unit 3605, Unit 3685

**Result Notes** No such event occurred, or condition existed, in the scope of inspection review.

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) **What specific threats are the pressure tests mitigating? Where are the segments located?(AI's question). Refer to TEP-US-HCA-IMP US Gas HCA Integrity Management Processes**

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#### AR.RC: Repair Criteria

**Question ID, References** [AR.RC.REMEDIATION.O](#) , 192.933(c) (192.933(a); 192.933(d))

**Question Text** *Is anomaly remediation and documentation of remediation adequate for all covered segments?*

**Result** Sat

**Assets Covered** Unit 3695

**Result** NA

Assets Covered Unit 66685, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

**Result NA**

Assets Covered Unit 3605

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

Temporary Inspector Notes (none)

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### AR.RMP: Repair Methods and Practices

**Question ID, References** [AR.RMP.SAFETY.O](#) , 192.605(b)(9) (192.713(b))

Question Text *Are repairs made in a safe manner and to prevent damage to persons and property?*

**Result NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No Repairs were made during the inspection.

Temporary Inspector Notes (none)

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**Question ID, References** [AR.RMP.IGNITION.O](#) , 192.751(a) (192.751(b); 192.751(c))

Question Text *Perform observations of selected locations to verify that adequate steps have been taken by the operator to minimize the potential for accidental ignition.*

**Result NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No pipe repairs were conducted during the inspection.

Temporary Inspector Notes (none)

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**Question ID, References** [AR.RMP.WELDQUAL.R](#) , 192.245(a) (192.245(b); 192.245(c); 192.715(a); 192.715(b); 192.715(c))

Question Text *From the review of records, were weld defects repaired in accordance with §192.245 and §192.715?*

**Result NA**

Assets Covered Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No repairs conducted.

Result **Sat**

Assets Covered Unit 3695

Result Notes The GTN A-Line Repair upstream of MLV3.1 had one weld defect repair. The defect was an elongated slag inclusion. Defect was repaired according to TES-Weld-PL-US.

Temporary Inspector Notes (none)

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**Question ID, References** [AR.RMP.WELDINSPECT.R](#) , 192.241(a) (192.241(b); 192.241(c); 192.243(a); 192.243(b); 192.243(c); 192.243(d); 192.243(e); 192.243(f))

Question Text *From the review of records, were welds inspected and examined in accordance with §192.241 and §192.243?*

Result **Sat**

Assets Covered Unit 3695

Result **NA**

Assets Covered Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

Temporary Inspector Notes (none)

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**Question ID, References** [AR.RMP.WELDINSPECT.O](#) , 192.241(a) (192.241(b); 192.241(c); 192.243(a); 192.243(b); 192.243(c); 192.243(d); 192.243(e); 192.243(f))

Question Text *Were welds inspected and examined in accordance with §192.241 and §192.243?*

Result **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No Repairs were made during the inspection.

Temporary Inspector Notes (none)

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**Question ID, References** [AR.RMP.FIELDREPAIRLEAK.R](#) , 192.717(a) (192.717(b))

Question Text *From the review of records, did the operator properly repair leaks on transmission lines?*

**Result Sat**

Assets Covered Unit 3695, Unit 66685

Result Notes GTN A-line Repair upstream of MLV3.1 was a project where the leak was cut out and replaced with a spool of pretested 36inch pipe. The leaking pipe was sent to a lab for analysis.

March 2013: 2 inch tapping tee leak on B-line 4 miles NW of Lacrosse, WA near MLV 6-2. Leak caused by a loose threaded cap of the tapping tee. The cap was tightened and then welded permanently closed.

**Result NA**

Assets Covered Unit 3605, Unit 67755, Unit 3685

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

Temporary Inspector Notes (none)

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**Question ID, References** [AR.RMP.WELDTEST.R](#) , 192.719(a) (192.719(b))

Question Text *From the review of records, did the operator properly test replacement pipe and repairs made by welding on transmission lines?*

**Result Sat**

Assets Covered Unit 3695

Result Notes Replacement pipe for the GTN A-Line Repair upstream of MLV3.1 was tested in 2002 to a pressure of 1625psig.

**Result NA**

Assets Covered Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

Temporary Inspector Notes (none)

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**Question ID, References** [AR.RMP.WELDTEST.O](#) , 192.719(a) (192.719(b))

Question Text *Does the operator properly test replacement pipe and repairs made by welding on transmission lines?*

**Result NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No Repairs were made during the inspection.

Temporary Inspector Notes (none)

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**Question ID, References** [AR.RMP.CRACKNDT.R](#) , 192.929(b) (B31.8S Appendix A3.4)

Question Text *From the review of records, when a pipeline segment that meets the conditions of possible cracking and/or SCC is exposed (i.e., the coating is removed), was an NDE method (e.g., MPI, UT) employed to evaluate for cracking and/or SCC?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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## AR.SCC: Stress Corrosion Cracking

**Question ID, References** [AR.SCC.SCCDADATA.R](#) , 192.929(b)(1) (B31.8S Appendix A3.2)

Question Text *From the review of the results of selected integrity assessments, were data collected and evaluated?*

Result **Concern**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary (none)

Result Notes Review the data collected at SCC dig site on GTN

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) SRN.TD.SCC.S (PAC): **Where are the eight planned directexaminations located by state and nearest town? (AI's question).**  
**SCC AICM is not approved yet. Review TEP.**

**"The SCC threat is managed through planned assessments including: AICM, opportunistic direct examinations, SCCDA, condition monitoring and, if required, EMAT ILI or pressure testing. Condition monitoring includes opportunistically directly examining the pipe for SCC when it is exposed through the execution of other programs. An example of condition monitoring includes direct examination of pipe during class replacement activities. In 2014, eight planned direct examinations are planned. A procedure exists to document how the assessment program is developed, how the data is analyzed and the subsequent mitigation and repair.**

**Where are the eight planned direct examinations located by state and nearest town? (AI's question)"**

---

**Question ID, References** [AR.SCC.SCCDAMETHOD.R](#) , 192.929(b)(2) (B31.8S Appendix A3)

Question Text *From the review of the results of selected integrity assessments, did the operator perform an assessment using one of the methods specified in B31.8S Appendix A3?*

Result **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

Temporary Inspector Notes (none)

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## CR.CRMAM: Alarm Management

**Question ID, References** [CR.CRMAM.ALARMSETPOINTS.P](#) , 192.631(e)(3)

Question Text *Is there a formal process to determine the correct alarm setpoint values and alarm descriptions?*

**Result NC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes Time constraints did not allow review of procedure during inspection.

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) Verify that the Alarm set points were checked once each calender yr NTE 15 months.  
Review the Aline derate plan.  
TC to get access to the CRM Procedure and we will discuss another day this week.

Terrence (Terry) Larson (All Questions) Looked at GTN A-Line Derate strategic Plan and setpoints. Lin A derate due to class locations only.

---

**Question ID, References** [CR.CRMAM.PLANREVIEW.R](#) , 192.631(e)(4)

Question Text *Do records indicate review of the alarm management plan at least once each calendar year, but at intervals not exceeding 15 months, in order to determine the effectiveness of the plan?*

**Result NC**

Assets Covered Unit 66685

Result Notes Control Room Management questions were not part of this IM inspection.

**Result NC**

Assets Covered Unit 3695, Unit 3605, Unit 67755, Unit 3685

Result Notes Control Room Management questions were not part of this IM inspection.

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) Verify that the Alarm set points were checked once each calender yr NTE 15 months.

---

**Question ID, References** [CR.CRMAM.DEFICIENCIES.R](#) , 192.631(e)(6)

Question Text *Do records indicate deficiencies found in implementing 192.631(e)(1) through 192.631(e)(5) have been resolved?*

**Result NC**

Assets Covered Unit 66685

Result Notes Control Room Management questions were not part of this IM inspection.

**Result NC**

Assets Covered Unit 3695, Unit 3605, Unit 67755, Unit 3685

Result Notes Control Room Management questions were not part of this IM inspection.

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) Verify that the Alarm set points were checked once each calender yr NTE 15 months.

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**CR.CRMCOMP: Compliance Validation and Deviations****Question ID, References** [CR.CRMCOMP.DEVIATION.R](#) , 192.631(j)(2)

Question Text *Were all deviations documented in a way that demonstrates they were necessary for safe operation?*

**Result NC**

Assets Covered Unit 66685

Result Notes Control Room Management questions were not part of this IM inspection.

**Result NC**

Assets Covered Unit 3695, Unit 3605, Unit 67755, Unit 3685

Result Notes Control Room Management questions were not part of this IM inspection.

Temporary Inspector Notes (none)

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**CR.LD: Leak Detection****Question ID, References** [CR.LD.SURVEY30SMYS.R](#) , 192.935(d)(3)

Question Text *For pipelines operating below 30% SMYS in a Class 3 or 4 locations, but not in an HCA, do records indicate performance of leak surveys?*

**Result NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such relevant facilities/equipment existed in the scope of inspection review. GTN A & B lines operate at 50% SMYS or more. All HCAs are covered by the Integrity Management plan.

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) Review all records discussed in this question and the **TEP-US-HCA-IMP US Gas HCA Integrity Management Processes**.

---

**Question ID, References** [CR.LD.PATROLTRANS.R](#) , 192.705(a) (192.705(b); 192.705(c); 192.709(c))

Question Text *Do records indicate adequate patrolling of transmission lines?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes Reviewed Leak survey results for the 11 compressor stations, the Main LInes and the Medford Lateral.

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) Review all records discussed in this question and the **TEP-US-HCA-IMP US Gas HCA Integrity Management Processes**.

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**Question ID, References** [CR.LD.SURVEYTRANS.R](#) , 192.706(a) (192.706(b))

Question Text *Do records indicate adequate transmission line leak surveys?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes Leak Survey of MLVs is conducted three times annually, twice by Boreal laser leak detection mounted on a helicopter (April and October) and once by TCPL Staff on the ground at each MLV during annual maintenance.

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) Review all records discussed in this question and the **TEP-US-HCA-IMP US Gas HCA Integrity Management Processes**.

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## DC.COCMP: Compressor Station Construction

**Question ID, References** [DC.COCMP.CMPCOMBUSTIBLE.O](#) , 192.735(a) (192.735(b)) (also presented in: FS.CS)

Question Text *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)?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered (none)

Result **Sat**

Assets Covered Unit 3605

Result **Sat**

Assets Covered Unit 3685

Temporary Inspector Notes (none)

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#### DC.WELDPROCEDURE: Construction Welding Procedures

**Question ID, References** [DC.WELDPROCEDURE.WELD.O](#) , 192.225(a) (192.225(b))

Question Text *Are weld procedures being qualified in accordance with §192.225?*

Result **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No welds were made during the inspection.

Temporary Inspector Notes (none)

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#### DC.WELDINSP: Construction Weld Inspection

**Question ID, References** [DC.WELDINSP.WELDVISUALQUAL.O](#) , 192.241(a) (192.241(b); 192.241(c); 192.807(b))

Question Text *Are individuals who perform visual inspection of welding qualified?*

Result **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No welds were made during the inspection.

Temporary Inspector Notes (none)

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#### DC.WELDPROCEDURE: Construction Welding Procedures

**Question ID, References** [DC.WELDPROCEDURE.WELDWEATHER.O](#) , 192.231

Question Text *Are welding operations are protected from certain weather conditions?*

**Result NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No welds were made during the inspection.

Temporary Inspector Notes (none)

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#### DC.WELDINSP: Construction Weld Inspection

**Question ID, References** [DC.WELDINSP.WELDNDT.O](#) , 192.243(a) (192.243(b)(1); 192.243(b)(2); 192.243(c); 192.243(a))

Question Text *Are NDT procedures adequate?*

**Result NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No welds were made during the inspection.

Temporary Inspector Notes (none)

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**Question ID, References** [DC.WELDINSP.WELDREPAIR.O](#) , 192.245(a) (192.245(b); 192.245(c))

Question Text *Are unacceptable welds removed and/or repaired?*

**Result NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No welds were made during the inspection.

Temporary Inspector Notes (none)

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#### DC.WELDPROCEDURE: Construction Welding Procedures

**Question ID, References** [DC.WELDPROCEDURE.WELDPREP.O](#) , 192.235

Question Text *Are welding preparations made in accordance with §192.235?*

**Result NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No welds were made during the inspection.

Temporary Inspector Notes (none)

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## DC.CO: Construction

**Question ID, References** [DC.CO.INSPECTVISUAL.O](#) , 192.307

Question Text *Are pipe lengths and other pipeline components visually inspected to ensure they are not damaged?*

**Result NA**

Assets Covered Unit 3695, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No Construction was observed during the inspection.

**Result NA**

Assets Covered Unit 66685

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

**Result NA**

Assets Covered Unit 3605

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

Temporary Inspector Notes (none)

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**Question ID, References** [DC.CO.REPAIR.O](#) , 192.309(a) (192.309(b); 192.309(c); 192.309(d); 192.309(e))

Question Text *Are repairs to steel pipe made in accordance with §192.309?*

**Result NA**

Assets Covered Unit 3695, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No Construction was observed during the inspection.

**Result NA**

Assets Covered Unit 66685

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

**Result NA**

Assets Covered Unit 3605

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

Temporary Inspector Notes (none)

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**Question ID, References** [DC.CO.INSTALL.O](#) , 192.319(a) (192.319(b))Question Text *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?***Result NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such activity/condition was observed during the inspection. No Construction was observed during the inspection.

Temporary Inspector Notes (none)

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**DC.PT: Pressure Testing****Question ID, References** [DC.PT.PRESSTEST.R](#) , 192.503(a) (192.503(b); 192.503(c); 192.503(d))Question Text *Do records indicate that pressure testing is conducted in accordance with §192.503?***Result Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes **"Yes, we have scheduled a pressure test which occurred in the month of April and tested the covered segment GTN-115 on GTN B Line at MP 282".****Pressure test was at HCA GTN115 in Stanfield, OR. Pressure test was chosen because the GTN B-Line in the HCA is not piggable due to piping restrictions at the compressor stations. The pressure test was conducted to verify the integrity of the pipe in the HCA. Pressure test was chosen due to the close proximity of several schools and a subdivision. GTN passes through the middle of the town.**Temporary Inspector Notes (none)

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**Question ID, References** [DC.PT.PRESSTEST.O](#) , 192.503(a) (192.503(b); 192.503(c); 192.503(d))

Question Text *Is pressure testing conducted in accordance with §192.503?*

**Result NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No Construction was observed during the inspection.

Temporary Inspector Notes (none)

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**Question ID, References** [DC.PT.PRESSTESTHIGHSTRESS.O](#) , 192.505(a) (192.505(b); 192.505(c); 192.505(d); 192.505(e))

Question Text *Is pressure testing conducted in accordance with §192.505?*

**Result NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No Construction was observed during the inspection.

Temporary Inspector Notes (none)

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## DC.TQ: Training and Qualification

**Question ID, References** [DC.TQ.OQCONTRACTOR.O](#) , 192.805(b) (Operators OQ program manual)

Question Text *Do selected contractor individuals performing covered tasks demonstrate adequate skills and knowledge?*

**Result NA**

Assets Covered Unit 66685

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

**Result NA**

Assets Covered Unit 3605

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

**Result Sat**

Assets Covered Unit 3695

Result Notes Contract NDT Personnel conducting Mag Particle inspection for SCC demonstrated appropriate skills and knowledge.

Result **NA**

Assets Covered Unit 3685

Result Notes No such activity/condition was observed during the inspection. No Contract employees were working during the inspection.

Temporary Inspector Notes (none)

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**Question ID, References** [DC.TQ.OOPLANEMPLOYEE.O](#) , 192.805(b) (Operators OQ program manual)

Question Text *Do selected operator individuals performing covered tasks demonstrate adequate skills and knowledge?*

Result **Sat**

Assets Covered Unit 3695

Result Notes Ed Foy and Tab Anderson demonstrated the testing of the ESD system at Compressor Station 3 in Idaho.

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [DC.TQ.EXCAVATE.O](#) , 192.805(b) (ADB-06-01)

Question Text *Do selected individuals who oversee marking, trenching and backfilling operations demonstrate adequate skills and knowledge?*

Result **NA**

Assets Covered Unit 66685

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

Result **NA**

Assets Covered Unit 3605

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

Result **NA**

Assets Covered Unit 3695, Unit 67755, Unit 3685

Result Notes No such activity/condition was observed during the inspection. No Appropriate operations were available during the inspection.

Temporary Inspector Notes (none)

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**Question ID, References** [DC.TQ.HOTTAP.O](#) , 192.805(b) (192.627)

Question Text *Do personnel performing hot taps demonstrate adequate skills and knowledge?*

Result **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No Hot taps were conducted during the inspection.

Temporary Inspector Notes (none)

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### EP.ERG: Emergency Response

**Question ID, References** [EP.ERG.REVIEW.R](#) , 192.605(a)

Question Text *Have annual reviews been conducted of the emergency plans and procedures as required, and any updates completed as appropriate?*

Result **Concern**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary Emergency plan review not properly documented and approved. TC did not collect the signatures indicating that the document was approved for issuance. TC issued the revision and began using it. No approval signature page could be located.

Result Notes Emergency plan review not properly documented and approved. TC did not collect the signatures indicating that the document was approved for issuance. TC issued the revision and began using it. No approval signature page could be located.

The Emergency Manual is currently under review. TC provided an outline/template of the new manual, the review is scheduled to be completed in \*\*\*\*.

Annual reviews of O&M (emergency plan is part of O&M) were completed in the correct time frame.

Temporary Inspector Notes (none)

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**Question ID, References** [EP.ERG.LOCATION.O](#) , 192.615(b)(1) (also presented in: ALO.EP)

Question Text *Are supervisors provided the applicable portions of the emergency plan and procedures?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [EP.ERG.NOTICES.R](#) , 192.615(a)(1)

Question Text *Do records indicate receiving, identifying, classifying and communication of notices of events requiring immediate response in accordance with procedures?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [EP.ERG.INCIDENTANALYSIS.R](#) , 192.605(a) (192.617)

Question Text *Do records indicate actions initiated to analyze accidents and failures, including the collection of appropriate samples for laboratory examination to determine the causes of the failure and minimize the possibility of recurrence, in accordance with its procedures?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes Repair report for the Lacrosse, WA indicates that the leak was investigated appropriately.

GTN A-line Repair upstream of MLV 3.1 cutout segment was sent to a laboratory in Texas for evaluation.

Temporary Inspector Notes (none)

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**Question ID, References** [EP.ERG.TRAINING.R](#) , 192.605(a) (192.615(b)(2))

Question Text *Has the operator trained the appropriate operating personnel on emergency procedures and verified that the training was effective in accordance with its procedures?*

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3695, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [EP.ERG.POSTEVTREVIEW.R](#) , 192.605(a) (192.615(b)(1); 192.615(b)(3))

Question Text *Do records indicate review of employee activities to determine whether the procedures were effectively followed in each emergency?*

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3695, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [EP.ERG.LIAISON.R](#) , 192.605(a) (192.615(c)(1); 192.615(c)(2); 192.615(c)(3); 192.615(c)(4); ADB-05-03)

Question Text *Do records indicate liaisons established and maintained with appropriate fire, police and other public officials and utility owners in accordance with procedures?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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### **FS.CSSYSPROT: Compressor Station System Protection**

**Question ID, References** [FS.CSSYSPROT.ESDGASBLK.O](#) , 192.167(a)(1)

Question Text *Does each compressor station have an emergency shutdown system that is capable of blocking gas out of the station and blow down the station piping? NOTE: Not required for field compressor stations of 1,000 horsepower (746 kilowatts) or less.*

Result **Sat**

Assets Covered Unit 3695

Result Notes CS3 Eastport ESD trip for test during site visit on 07/08/14. Complete station blow down all systems functioned as designed.

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CSSYSPROT.ESDGASDISCH.O](#) , 192.167(a)(2)

Question Text *Does each compressor station have an emergency shutdown system that is capable of safely discharging blowdown gas from the blowdown piping at a location where the gas will not create a hazard?*

Result **Sat**

Assets Covered Unit 3695

Result Notes CS3 Eastport ESD trip for test during site visit on 07/08/14. Complete station blow down all systems functioned as designed.

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CSSYSPROT.ESDGASSD.O](#) , 192.167(a)(3)

Question Text *Does each compressor station have an emergency shutdown system that is capable of shutting down gas compressing equipment and gas fires in the vicinity of gas headers and compressor buildings?*

Result **Sat**

Assets Covered Unit 3695

Result Notes CS3 Eastport ESD trip for test during site visit on 07/08/14. Complete station blow down all systems functioned as designed.

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CSSYSPROT.ESDELECSO.O](#) , 192.167(a)(3)(i) (192.167(a)(3)(ii))

Question Text *Does each compressor station have an emergency shutdown system that is capable of shutting down electrical facilities (except emergency and equipment protection circuits) near gas headers and within compressor buildings?*

Result **Sat**

Assets Covered Unit 3695

Result Notes CS3 Eastport ESD trip for test during site visit on 07/08/14. Complete station blow down all systems functioned as designed.

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CSSYSPROT.ESDLOCATION.O](#) , 192.167(a)(4) (also presented in: ALO.FS)

Question Text *Does each compressor station have an emergency shutdown system that is capable of being operated from at least two locations which are: 1) Outside the gas area of the station, 2) Near the exit gates, if the station is fenced, or near emergency exits, if not fenced, 3) And not more than 500 feet (153 meters) from the limits of the station?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605

Result **Sat**

Assets Covered Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CSSYSPROT.CMPMAOP.O](#) , 192.169(a)

Question Text *Do compressor stations have pressure relief or other suitable protective devices with sufficient capacity and sensitivity so as to protect station piping from exceed 110% of MAOP?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CSSYSPROT.RELIEFDISCH.O](#) , 192.169(b)

Question Text *Do pressure relief valves exhaust gas to a location where the gas will not cause a hazard?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CSSYSPROT.CMPFP.O](#) , 192.171(a)

Question Text *Do compressor stations have adequate fire protection facilities?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CSSYSPROT.CMPOVSPD.O](#) , 192.171(b)

Question Text *Do compressor stations' prime movers other than electrical induction or synchronous motors have automatic shutdown devices that will prevent over-speed of the prime mover or the unit being driven?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CSSYSPROT.CMPLUBPROT.O](#) , 192.171(c)

Question Text *Do compressor units have shutdown or alarm devices that will operate in the event of inadequate heating or lubrication?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CSSYSPROT.CMPGASENGSD.O](#) , 192.171(d)

Question Text *Are compressor station gas engines that operate with pressure gas injection equipped so that stoppage of the engine will result in the fuel being automatically shut off and the engine distribution manifold being vented?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CSSYSPROT.CMPGASENGMFL.O](#) , 192.171(e)

Question Text *Are gas engines in compressor stations equipped with mufflers that prevent gas from being trapped in the muffler?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CSSYSPROT.CMPRELIEF.R](#) , 192.709(b) (192.709(c); 192.731(a); 192.731(b); 192.731(c))

Question Text *Do records document with adequate detail that all inspection and testing of compressor station pressure relief devices with the exception of rupture disks have occurred at the required interval?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CSSYSPROT.CMPRELIEF.O](#) , 192.199 (192.731(a); 192.731(b); 192.731(c))

Question Text *Are pressure relief/limiting devices inside a compressor station designed, installed, and inspected properly?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

**Result Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CSSYSPROT.RELIEFCAPC.O](#) , 192.201(a) (192.201(b); 192.201(c))

Question Text *Do pressure relieving/limiting stations located within the confines of a compressor station have sufficient capacity and are they set to limit the pressures to no more than allowed?*

**Result Sat**

Assets Covered Unit 3695

**Result Sat**

Assets Covered Unit 66685

**Result Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CSSYSPROT.CMPESDTESTDEV.R](#) , 192.709(c) (192.731(c))

Question Text *Do records document the inspection and testing of all compressor station emergency shutdown devices at the required frequency?*

**Result Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes All ESD tested once each calendar year NTE 15months.

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CSSYSPROT.CMPGASDETM.R](#) , 192.709(c) (192.736(c))

Question Text *Do records document that all compressor station gas detection and alarm systems are being maintained and tested as required?*

**Result Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes CS4 Sandpoint reviewed 2012-WO2070457, 2013-WO2075424

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CSSYSPROT.CMPGASDET.O](#) , 192.736(a) (192.736(b))

Question Text *Have adequate gas detection and alarm systems been installed in selected applicable compressor buildings?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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#### FS.CS: Compressor Stations

**Question ID, References** [FS.CS.BLDGLOC.O](#) , 192.163(a) (192.163(b))

Question Text *Are onshore compressor buildings located on property under the control of the operator?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CS.BLDGADJ.O](#) , 192.163(a)

Question Text *Are onshore main compressor buildings far enough from adjacent property to minimize the possibility of fire being conveyed to the compressor buildings from adjacent property?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CS.BLDGSPACE.O](#) , 192.163(a)

Question Text *Do onshore main compressor buildings have enough open space around them to allow for free movement of fire-fighting equipment.*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CS.BLDGCMBST.O](#) , 192.163(b)

Question Text *Is each building on the compressor station site constructed of noncombustible materials if it contains either pipe that is more than 2 inches in diameter that contains gas under pressure or contains gas handling equipment other than gas utilization equipment used for station domestic purposes?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CS.BLDGEXITS.O](#) , 192.163(c)

Question Text *Does each main compressor building operating floor have at least two separated, easily accessed and unobstructed exits to a place of safety, main compressor building exits that have door latches that can be readily opened without a key, and main compressor building exit doors mounted to swing outward?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CS.FENCEGATES.O](#) , 192.163(d)

Question Text *Do fenced areas around compressor stations have at least two gates that provide for easy escape to place of safety, and do gates located within 200 feet of any compressor plant open outward and able to be opened from the inside without a key when the station is occupied?*

Result **Concern**

Assets Covered Unit 3695

Summary (none)

Result Notes CS5 Athol has a crashbar equipped man gate and the main gate opens on ESD. Both of these gates are on the same side of the facility. A second man gate with crash bar should be installed on the opposite side of the facility from the existing gates.

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605

Result **Concern**

Assets Covered Unit 3685

Summary (none)

Result Notes All compressor stations in the Southern Oregon unit has a crash-bar equipped man gates and the main gate opens on ESD. Several of compressor stations are designed with the only crash bar equipped man gates on the same side of the facility as the main gate. A second man gate with crash bar should be installed on the opposite side of the facility from the existing gates.

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CS.CMPNFPA70.O](#) , 192.163(e)

Question Text *Does the equipment and wiring within compressor stations conform to National Electric Code, ANSI/NFPA 70, including the required posting or ready access of the permit?*

Result **Sat**

Assets Covered Unit 3695, Unit 3685

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CS.SPTRLIQ.O](#) , 192.165(b)(1) (192.165(b)(2))

Question Text *Does each separator used to remove entrained liquids at compressor stations have: 1) manually operable means to remove liquids, and 2) have a means to handle slugs of liquid where there is a possibility that liquid slugs could be carried into compressors?*

Result **Sat**

Assets Covered Unit 3695, Unit 3685

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CS.SPTRCODE.O](#) , 192.165(b)(3)

Question Text *Is each separator used to remove entrained liquids at compressor stations manufactured in accordance with applicable codes or requirements?*

Result **Sat**

Assets Covered Unit 3695, Unit 3685

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CS.CMPBLDGVENT.O](#) , 192.173

Question Text *Are compressor station buildings ventilated to ensure employees are not endangered by accumulation of gas in enclosed areas?*

Result **Sat**

Assets Covered Unit 3695, Unit 3685

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605

Temporary Inspector Notes (none)

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**Question ID, References** [FS.CS.CMPERP.O](#) , 192.605(a) (192.615(b))

Question Text *Are emergency response plans for selected compressor stations kept on site?*

Result **Sat**

Assets Covered Unit 3695, Unit 3685

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605

Temporary Inspector Notes (none)

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**Question ID, References** [DC.COCMP.CMPCOMBUSTIBLE.O](#) , 192.735(a) (192.735(b)) (also presented in: DC.COCMP)

Question Text *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)?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered (none)

Result **Sat**

Assets Covered Unit 3605

Result **Sat**

Assets Covered Unit 3685

Temporary Inspector Notes (none)

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## FS.FG: Facilities General

**Question ID, References** [MO.GM.ABANDONPIPE.R](#) , 192.709(C) (192.727(a); 192.727(b); 192.727(c); 192.727(d); 192.727(e); 192.727(f); 192.727(g))  
(also presented in: MO.GM)

Question Text *Do records indicate pipelines were abandoned or deactivated as required?*

Result **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

Temporary Inspector Notes (none)

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**Question ID, References** [FS.FG.VAULTCOND.O](#) , 192.749(a) (192.749(b); 192.749(c); 192.749(d)) (also presented in: ALO.FS)

Question Text *Does the condition of selected vaults greater than 200 cubic feet housing pressure regulating/limiting equipment indicate these inspections have occurred?*

**Result** **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such relevant facilities/equipment existed in the scope of inspection review. GTN does not have any vaults.

Temporary Inspector Notes (none)

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## FS.VA: Valves

**Question ID, References** [FS.VA.CMPVLVTEST.R](#) , 192.709(c) (192.745(a); 192.745(b))

Question Text *Do records adequately document that compressor transmission line valves have been inspected and partially operated at the correct interval?*

**Result** **Sat**

Assets Covered Unit 3605

Result Notes Leak Survey of valves is conducted as part of the annual valve maintenance.

Valve 7.1 B-2 leaks from operator stem in the open position. The normal operating position of Valve 7.1 B-2 is Closed. Valve 7.1 B-2 is a 24-inch crossover valve from the A-line to the B-line. Repair requires blow down of B-line from MLV7.0 to MLV7.1. WO2060951 was issued on 06/29/2012.

Valve 8.2 B-1 Rupture control actuator not functioning in 2013. Notes indicate TCPL plans Job to replace actuator. Kurt Smith researching WO status of replacment.

**Result** **Sat**

Assets Covered Unit 3695, Unit 66685

Result Notes Leak Survey of valves is conducted as part of the annual valve maintenance.

**Result** **Sat**

Assets Covered Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [FS.VA.CMPVLVMAINT.O](#) , 192.745(a) (192.745(b))

Question Text *Are compressor station transmission line valves maintained as required?*

Result **Sat**

Assets Covered Unit 3695

Result Notes CS3 Eastport ESD trip for test during site visit on 07/08/14. Complete station blow down all systems functioned as designed.

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605

Result **Sat**

Assets Covered Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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### IM.CA: Continual Evaluation and Assessment

**Question ID, References** [IM.CA.PERIODICEVAL.R](#) , 192.937(b) (192.917(a); 192.917(b); 192.917(c); 192.917(d); 192.917(e))

Question Text *Have periodic evaluations of pipeline integrity been performed based on data integration and risk assessment to identify the threats specific to each covered segment and the risk represented by these threats?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes GTN Threat Identification results Spreadsheet for 2012 to 2013 reviewed.

Temporary Inspector Notes (none)

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### IM.HC: High Consequence Areas

**Question ID, References** [IM.HC.HCAMETHOD1.R](#) , 192.903 (1)(i) (192.903(1)(ii); 192.903(1)(iii); 192.903(1)(iv))

Question Text *Do records indicate adequate application of the §192.903 High Consequence Area definition (1) for the identification of HCAs?*

Result **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such relevant facilities/equipment existed in the scope of inspection review. TransCanada GTN uses Method 2. See IM.HC.HCAMETHOD2.R

Temporary Inspector Notes (none)

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**Question ID, References** [IM.HC.HCAMETHOD2.R](#) , 192.903(2)(i) (192.903(2)(ii))

Question Text *Do records indicate adequate application of §192.903 High Consequence Area definition (2) for identification of HCAs?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes Root sum square error method is used to determine the measurement error in mapping applications and account for the error by adding an additional 60 feet to the PIR calculation.

Temporary Inspector Notes (none)

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**Question ID, References** [IM.HC.HCADATA.O](#) , 192.905(c)

Question Text *Are HCAs correctly identified per up-to-date information?*

Result **Sat**

Assets Covered Unit 3695, Unit 3685

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605

Temporary Inspector Notes (none)

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## IM.PM: Preventive and Mitigative Measures

**Question ID, References** [IM.PM.PMMPD.P](#) , 192.917(e)(1) (192.935(b)(1); 192.935(e))

Question Text *Does the preventive and mitigative process include requirements that threats due to third party damage be addressed? (Note: A subset of these enhancements are required for pipelines operating below 30% SMYS - See IM.PM.PMMTPDSMYS.P)*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes Reviewed Consent to Common Use (CCU) Agreement CCU13-01

Temporary Inspector Notes (none)

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**Question ID, References** [IM.PM.PMMOF.P](#) , 192.935(b)(2)

Question Text *Does the process adequately address significant threats due to outside force (e.g., earth movement, floods, unstable suspension bridge)?*

Result **Concern**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary (none)

Result Notes Add field notes: here\*\*\*\*

Reviewed:

**2006 Phase I Geological Hazards Assessment**

§ **2008 Phase II Landslide Assessment**

§ **2009 Phase II Fault RuptureAssessment**

§ **2009 Phase III Landslide Assessment Whereare known landslide hazards located by state and nearest town?**

§ **2013 Slope Monitoring Report**

Temporary Inspector Notes (none)

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**Question ID, References** [IM.PM.PMMOF.R](#) , 192.935(b)(2)

Question Text *Are significant threats due to outside force (e.g., earth movement, floods, unstable suspension bridge) being adequately addressed?*

Result **Concern**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary (none)

Result Notes Waiting on document.

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) Review Geologic report

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**Question ID, References** [IM.PM.PMMASORCV.R](#) , 192.935(c)

Question Text *Has an adequate determination been made to determine if automatic shut-off valves or remote control valves represent an efficient means of adding protection to potentially affected high consequence areas?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes TransCanada uses Automatic Shutoff Valves at both ends of all HCAs.  
MLV 8-2.5A is and additional valve installed on the A-Line only near Stanfield, OR.

Temporary Inspector Notes (none)

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**Question ID, References** [IM.PM.PMMIMPLEMENT.O](#) , 192.935(a)

Question Text *Have identified P&MMs to prevent a pipeline failure and to mitigate the consequences of a pipeline failure in an HCA been implemented?*

Result **Sat**

Assets Covered Unit 3695, Unit 3685

Result Notes Line break ASV were observed in the HCAs.

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605

Temporary Inspector Notes (none)

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## IM.QA: Quality Assurance

**Question ID, References** [IM.QA.IMMOC.R](#) , 192.909(a) (192.909(b); 192.911(k))

Question Text *Are changes to the IMP and management of changes to IMP-related processes being performed as required?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes Waiting on MOC document

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) Review SCC AICM MOC And  
**threat management program for each of the nine threat categories MOC**

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### IM.RA: Risk Analysis

**Question ID, References** [IM.RA.THREATID.P](#) , 192.917(a) (192.917(e); 192.913(b)(1); ASME B31.8S-2004, Section 2.2 and Section 5.10)

Question Text *Does the process include requirements to identify and evaluate all potential threats to each covered pipeline segment?*

Result **Concern**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary (none)

Result Notes **refer to TEP-US-HCA-IMP US Gas HCA Integrity Management Processes.**

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) **refer to TEP-US-HCA-IMP US Gas HCA Integrity Management Processes.**

#### **Geologic hazards and outside forces also interacting threats**

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**Question ID, References** [IM.RA.THREATID.R](#) , 192.917(a) (192.917(e); 192.913(b)(1); ASME B31.8S-2004, Section 2.2 and Section 5.10)

Question Text *Do records indicate that all potential threats to each covered pipeline segment have been identified and evaluated?*

Result **Concern**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary (none)

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) **refer to TEP-US-HCA-IMP US Gas HCA Integrity Management Processes.**

#### **Geologic hazards and outside forces also interacting threats**

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**Question ID, References** [IM.RA.RAFACTORS.P](#) , 192.917(c) (ASME B31.8S-2004, Section 3.1, Section 3.3, Section 5.2, Section 5.3, and Section 5.7)

Question Text *Does the process include requirements that factors that could affect the likelihood of a release, and factors that could affect the consequences of potential releases, be accounted for and combined in an appropriate manner to produce a risk value for each pipeline*

segment?

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [IM.RA.RAFACTORS.R](#) , 192.917(c) (ASME B31.8S-2004, Section 3.1, Section 3.3, Section 5.2, Section 5.3, and Section 5.7)

Question Text *Is risk analysis data combined in an appropriate manner to produce a risk value for each pipeline segment?*

Result **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No new risks were identified during the periodic evaluations performed annually.

Temporary Inspector Notes (none)

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#### MO.GMOPP: Gas Pipeline Overpressure Protection

**Question ID, References** [MO.GMOPP.PRESSREGCAP.R](#) , 192.709(c) (192.743(a); 192.743(b); 192.743(c))

Question Text *Do records indicate testing or review of the capacity of each pressure relief device at each pressure limiting station and pressure regulating station as required and a new or additional device installed if determined to have insufficient capacity?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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#### MO.GOABNORMAL: Gas Pipeline Abnormal Operations

**Question ID, References** [MO.GOABNORMAL.ABNORMAL.R](#) , 192.605(a) (192.605(c)(1))

Question Text *Did personnel respond to indications of abnormal operations as required by procedures?*

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3695, Unit 3605, Unit 3685

Temporary Inspector Notes (none)

### MO.GOCLASS: Gas Pipeline Class Location

**Question ID, References** [MO.GOCLASS.CLASSLOCATEREV.R](#) , 192.605(b)(1) (192.611(a); 192.611(b); 192.611(c); 192.611(d))

**Question Text** *Was the MAOP in a pipeline segment confirmed or revised within 24 months as required?*

**Result** **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3685

**Result Notes** Class location changes were documented in Idaho, Washington (Rosalia) and So. Oregon. MAOP was confirmed.

**Result** **NA**

Assets Covered Unit 3605, Unit 67755

**Result Notes** No such event occurred, or condition existed, in the scope of inspection review.

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions)

| CYCLE<br>Class       | Begin<br>Previous<br>Station<br>Location<br>Series | Begin Chainage<br>New Class<br>(ft) | End Chainage (ft) |   |        |
|----------------------|----------------------------------------------------|-------------------------------------|-------------------|---|--------|
|                      |                                                    |                                     |                   |   | Locati |
| Oct-13<br>Idaho      | 5003201                                            | 16722                               | 16818             | 1 | 2      |
| Oct-13<br>Idaho      | 5004001                                            | 4856                                | 4859              | 1 | 2      |
| Oct-13<br>Idaho      | 5004201                                            | 43980                               | 44070             | 1 | 2      |
| Oct-13<br>Idaho      | 5005001                                            | 23545                               | 24398             | 1 | 2      |
|                      | 5005001                                            | 24526                               | 24835             |   |        |
| Oct-13<br>Idaho      | 5005001                                            | 25003                               | 26323             |   |        |
| Oct-13<br>Washington | 5005201                                            | 5120                                | 5125              | 2 | 3      |

|                      |         |       |       |   |   |
|----------------------|---------|-------|-------|---|---|
| Oct-13<br>So. Oregon | 5011101 | 69388 | 70697 | 1 | 2 |
| Oct-13<br>So. Oregon | 5011101 | 71316 | 71417 | 1 | 2 |
| Oct-13<br>So. Oregon | 5011211 | 11239 | 11265 | 1 | 3 |
| Oct-12<br>Idaho      | 5004001 | 34566 | 35110 | 2 | 3 |
| Jan-12<br>Idaho      | 5004001 | 34566 | 35109 | 2 | 3 |
| Jan-12<br>So. Oregon | 5011201 | 17259 | 17301 | 1 | 3 |
| Jan-12<br>Washington | 5005201 | 33822 | 33835 | 2 | 3 |
| Jan-12<br>Idaho      | 5005101 | 36349 | 36370 | 1 | 2 |
| Jan-12<br>Idaho      | 5004201 | 63832 | 63869 | 1 | 2 |
|                      | 5004202 | 63888 | 63907 |   |   |

### MO.GOMAOP: Gas Pipeline MAOP

**Question ID, References** [MO.GOMAOP.MAOPDETERMINE.R](#) , 192.709(c) (192.619(a); 192.619(b))

**Question Text** *Do records indicate determination of the MAOP of pipeline segments in accordance with §192.619 and limiting of the operating pressure as required?*

**Result** **Concern**

**Assets Covered** Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

**Summary** (none)

**Result Notes** Why did the strategic plan for the A-Line call out that the relief valves not be reset?

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) Review MAOP restrictions with Operator.

### MO.GOODOR: Gas Pipeline Odorization

**Question ID, References** [MO.GOODOR.ODORIZE.R](#) , 192.709(c) (192.625(a); 192.625(b); 192.625(c); 192.625(d); 192.625(e); 192.625(f))

Question Text *Do records indicate appropriate odorization of its combustible gases in accordance with its procedures and conduct of the required testing to verify odorant levels met requirements?*

**Result** NA

Assets Covered Unit 3695, Unit 66685, Unit 67755

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

**Result** NA

Assets Covered Unit 3605

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

**Result** Sat

Assets Covered Unit 3685

Result Notes Only the Medford Lateral is odorized. The GTN A & B mainlines are un-odorized.

Temporary Inspector Notes (none)

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### MO.GMOPP: Gas Pipeline Overpressure Protection

**Question ID, References** [MO.GMOPP.PRESSREGTEST.R](#) , 192.709(c) (192.739(a); 192.739(b))

Question Text *Do records indicate inspection and testing of pressure limiting, relief devices, and pressure regulating stations as required and at the specified intervals?*

**Result** Sat

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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### MO.GOMAOP: Gas Pipeline MAOP

**Question ID, References** [MO.GOMAOP.MAOPLIMIT.R](#) , 192.603(b) (192.605(b)(5))

Question Text *Do records indicate operation within MAOP limits, plus the build-up allowed for operation of pressure-limiting and control devices, was assured while starting up and shutting down any part of the pipeline?*

**Result** Sat

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3695, Unit 3605, Unit 3685

Temporary Inspector Notes (none)

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### MO.GOABNORMAL: Gas Pipeline Abnormal Operations

**Question ID, References** [MO.GOABNORMAL.ABNORMALREVIEW.R](#) , 192.605(a) (192.605(c)(4))

Question Text *Do records indicate periodic review of work done by operator personnel to determine the effectiveness of the abnormal operation procedures and corrective action taken where deficiencies are found?*

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3695, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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### MO.GMOPP: Gas Pipeline Overpressure Protection

**Question ID, References** [MO.GMOPP.RECORDS.R](#) , 192.605(b)(1) (192.243(f); 192.709(a); 192.709(b); 192.709(c))

Question Text *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?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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### MO.GC: Conversion to Service

**Question ID, References** [MO.GC.CONVERSION.R](#) , 192.14(a) (192.14(b))

Question Text *Do records indicate the process was followed for converting any pipelines into Part 192 service?*

**Result NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

Temporary Inspector Notes (none)

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**MO.GM: Gas Pipeline Maintenance**

**Question ID, References** [MO.GM.ABANDONPIPE.R](#) , 192.709(C) (192.727(a); 192.727(b); 192.727(c); 192.727(d); 192.727(e); 192.727(f); 192.727(g))  
(also presented in: FS.FG)

Question Text *Do records indicate pipelines were abandoned or deactivated as required?*

**Result NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

Temporary Inspector Notes (none)

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**Question ID, References** [MO.GM.IGNITION.R](#) , 192.709 (192.751(a); 192.751(b); 192.751(c))

Question Text *Do records indicate personnel followed procedures for minimizing the danger of accidental ignition where the presence of gas constituted a hazard of fire or explosion?*

**Result Sat**

Assets Covered Unit 3695, Unit 66685, Unit 67755

Result Notes Reviewed the GTN A-Line Repair upstream of MLV 3.1, The Lacrosse, WA tapping tee repair, the Stanfield, OR hydrotest

**Result NA**

Assets Covered Unit 3605, Unit 3685

Result Notes No such activity/condition was observed during the inspection.

Temporary Inspector Notes (none)

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**Question ID, References** [MO.GM.RECORDS.R](#) , 192.605(b)(1) (192.243(f); 192.709(a); 192.709(b); 192.709(c))

Question Text *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?*

**Result Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [MO.GM.VALVEINSPECT.R](#) , 192.709(c) (192.745(a); 192.745(b))

Question Text *Do records indicate proper inspection and partial operation of transmission line valves that may be required during an emergency as required and prompt remedial actions taken if necessary?*

**Result Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [MO.GM.VALVEINSPECT.O](#) , 192.745(a) (192.745(b)) (also presented in: ALO.MO)

Question Text *Are field inspection and partial operation of transmission line valves adequate?*

**Result Sat**

Assets Covered Unit 3695

Temporary Inspector Notes (none)

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**Question ID, References** [MO.GM.VAULTINSPECT.R](#) , 192.605(b)(1) (192.749(a); 192.749(b); 192.749(c); 192.749(d))

Question Text *Do records indicate proper inspection of each vault to determine whether it is in good physical condition and adequately ventilated as required and any necessary action taken to remediate deficiencies?*

**Result NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such relevant facilities/equipment existed in the scope of inspection review. No Vaults on GTN.

Temporary Inspector Notes (none)

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**Question ID, References** [MO.GM.HOLDER.R](#) , 192.603(b) (192.605(b)(10))

Question Text *Do records indicate systematic and routine testing and inspection of pipe-type or bottle-type holders?*

**Result NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such relevant facilities/equipment existed in the scope of inspection review. No Holders on GTN.

Temporary Inspector Notes (none)

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### MO.GO: Gas Pipeline Operations

**Question ID, References** [MO.GO.CONTSURVEILLANCE.R](#) , 192.709(c) (192.613(a); 192.613(b); 192.703(b); 192.703(c))

Question Text *Do records indicate performance of continuing surveillance of facilities as required, and also the reconditioning, phasing out, or MAOP reduction in any pipeline segment that was determined to be in unsatisfactory condition but on which no immediate hazard existed?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes Reviewed The Geologic Hazard assessments for the GTN.

Temporary Inspector Notes (none)

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**Question ID, References** [MO.GO.OMANNUALREVIEW.R](#) , 192.605(a)

Question Text *Has the operator conducted annual reviews of the written procedures in the manual as required?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [MO.GO.OMEFFECTREVIEW.R](#) , 192.605(a) (192.605(b)(8))

Question Text *Do records indicate periodic review of the work done by operator personnel to determine the effectiveness, and adequacy of the procedures used in normal operations and maintenance and modifying the procedures when deficiencies are found?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [MO.GO.OMHISTORY.R](#) , 192.605(a) (192.605(b)(3))

Question Text *Are construction records, maps and operating history available to appropriate operating personnel?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [MO.GO.OMLOCATION.O](#) , 192.605(a) (also presented in: ALO.MO)

Question Text *Are appropriate parts of the manual kept at locations where operations and maintenance activities are conducted?*

Result **Sat**

Assets Covered Unit 3695

Result Notes O&M manuals are kept electronically and each employee has access to them.

Temporary Inspector Notes (none)

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**Question ID, References** [MO.GO.CUSTNOTIFY.R](#) , 192.16(d) (192.16(a); 192.16(b); 192.16(c))

Question Text *Do records indicate the customer notification process satisfies the requirements of 192.16?*

Result **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

Temporary Inspector Notes (none)

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**Question ID, References** [MO.GO.UPRATE.R](#) , 192.553(b) (192.553(a); 192.553(c); 192.553(d))

Question Text *Do records indicate the pressure uprating process was implemented per the requirements of 192.553?*

Result **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

Temporary Inspector Notes (none)

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### PD.OC: One-Call Damage Prevention

Question ID, References [PD.OC.PDPROGRAM.P](#) , 192.614(a)

Question Text *Is a damage prevention program approved and in place?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes one call locate, Patrols, pipeline crossings, mechanical damage/failure

Temporary Inspector Notes (none)

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Question ID, References [PD.OC.EXCAVATEMARK.P](#) , 192.614(c)(5)

Question Text *Does the process require marking proposed excavation sites to CGA Best Practices or use more stringent and accurate requirements?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) **"OneCall Locating and Marking Procedure - MadechangestoTOP to provide better guidance on how to respond to a One-Call,decisions on when site visits are required and documentation ofno sitevisitrequired tickets. In addition, a training program was developed to communicate requirements"**

**Review TOP and MOC records if applicable**

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Question ID, References [PD.OC.TPD.P](#) , 192.614(c)(1)

Question Text *Does the process specify how reports of Third Party Activity and names of associated contractors or excavators are input back into the mail-outs and communications with excavators along the system?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) SRN.PD.ONECALLRESPOND.S (PAC): Review one-call records, ticket processing, and TOP  
SRN.PD.TPDFOLLOWUP.S (PAC): Follow up on Area Manager contacts of third party offenders.  
SRN.PD.ONECALLPROCESS.S (PAC): Review one-call records, ticket processing, and TOP

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**Question ID, References** [PD.OC.TPDONECALL.P](#) , 192.614(c)(3)

Question Text *Does the process specify how reports of TPD are checked against One-Call tickets?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) SRN.PD.ONECALLRESPOND.S (PAC): Review one-call records, ticket processing, and TOP  
SRN.PD.TPDFOLLOWUP.S (PAC): Follow up on Area Manager contacts of third party offenders.  
SRN.PD.ONECALLPROCESS.S (PAC): Review one-call records, ticket processing, and TOP

**refer to TEP-US-HCA-IMP US GasHCA Integrity ManagementProcesses.**

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**Question ID, References** [PD.OC.PDPROGRAM.R](#) , 192.614(c)

Question Text *Does the damage prevention program meet minimum requirements specified in §192.614(c)?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [PD.OC.DPINFOGATHER.P](#) , 192.917(b) (Appendix A7 and section 4 to ASME/SNSI B31.8S)

Question Text *Does the process require critical damage prevention information be gathered and recorded during pipeline patrols leak surveys and integrity assessments?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes Arial patrols reported through web based anomaly report process.  
One-call or public report to local personnel.  
Pipeline crossing and encroachment

pipeline inspection reports  
ILI response memos when ILI indicates top of pipe damage  
incident and issue tracking (IIT) database-tracks reporting documents

Temporary Inspector Notes (none)

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**Question ID, References** [PD.OC.DPINFOGATHER.R](#) , 192.917(b) (Appendix A7 to ASME/SNSI B31.8S)

Question Text *Do records indicate that critical damage prevention information is being gathered and recorded during pipeline patrols leakage surveys and integrity assessments?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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#### PD.PA: Public Awareness

**Question ID, References** [PD.PA.AUDIENCEID.R](#) , 192.616(d) (192.616(e); 192.616(f); API RP 1162 Section 2.2; API RP 1162 Section 3)

Question Text *Do records identify the individual stakeholders in the four affected stakeholder audience groups: (1) affected public, (2) emergency officials, (3) local public officials, and (4) excavators, as well as affected municipalities, school districts, businesses, and residents to which it sends public awareness materials and messages?*

Result **Concern**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary (none)

Result Notes Verlyn Bailey checking on consistency of Audience Identification 5-6 schools in Walla Walla (30 miles from GTN) get mailings but schools 1 mile from Tuscarora in Reno do not. How does does TCPL determine who gets on the on the Audience list for mailings.

Temporary Inspector Notes (none)

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**Question ID, References** [PD.PA.EDUCATE.R](#) , 192.616(d) (192.616(f))

Question Text *Did delivered messages specifically include provisions to educate the public, emergency officials, local public officials, and excavators on: (1) Use of a one-call notification system prior to excavation and other damage prevention activities; (2) Possible hazards associated with unintended releases from a gas pipeline facility; (3) Physical indications of a possible release; (4) Steps to be taken for public safety in the event of a gas pipeline release; and (5) Procedures to report such an event?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [PD.PA.LOCATIONMESSAGE.R](#) , 192.616(e) (192.616(f))

Question Text *Were messages developed and delivered to advise affected municipalities, school districts, businesses, and residents of pipeline facility locations?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [PD.PA.MESSAGEFREQUENCY.R](#) , 192.616(c) (API RP 1162 Table 2-1; API RP 1162 Table 2-2; API RP 1162 Table 2-3)

Question Text *Did the delivery of materials and messages meet or exceed the baseline delivery frequencies specified in API RP 1162, Table 2-1 through Table 2.3?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [PD.PA.LIAISON.R](#) , 192.616(c) (API RP 1162 Section 4.4)

Question Text *Have liaisons been established and maintained with appropriate fire, police, and other public officials?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [PD.PA.EVALEFFECTIVENESS.R](#) , 192.616(c) (API RP 1162 Section 8.4)

Question Text *Have effectiveness evaluation(s) of the program been performed for all stakeholder groups in all notification areas along all systems covered by the program?*

Result **Sat**

Assets Covered Unit 3685

Result Notes On September 11, 2014, Jason Dunphy met for about 20 minutes with Mr. Gary DeFrang, Principal High Desert Middle School Bend, Oregon. Mr. DeFrang was very knowledgeable of the GTN Pipeline and the fact that it cross the school property. Mr. DeFrang siad that the GTN personnel have been very helpful, answering question providing aerial maps showing the location of the pipeline on school property. Mr. DeFrang said he attended a 2013 drill conducted by local emergency officials that included GTN as the emergency scenario. GTN Staff were integral members of the drill. Over all Mr. DeFrang believed he had received answers to his questions and had contact information for local GTN Staff.

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755

Temporary Inspector Notes (none)

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### PD.RW: ROW Markers, Patrols, Leakage Survey and Monitoring

Question ID, References [PD.RW.PATROL.R](#) , 192.709(c) (192.705(a); 192.705(b); 192.705(c))

Question Text *Do records indicate that ROW surface conditions have been patrolled as required?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes Leak Survey of entire pipeline is conducted three times annually, twice by Boreal laser leak detection mounted on a helicopter (April and October), Standard aerial patrol (non-leak survey in January and July).

Temporary Inspector Notes (none)

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Question ID, References [PD.RW.ROWMARKER.O](#) , 192.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20) (also presented in: ALO.PD)

Question Text *Are line markers placed and maintained as required?*

Result **Sat**

Assets Covered Unit 3695

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605

Result **Sat**

Assets Covered Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [PD.RW.ROWCONDITION.O](#) , 192.705(a) (192.705(c)) (also presented in: ALO.PD)

Question Text *Are the ROW conditions acceptable for the type of patrolling used?*

Result **Concern**

Assets Covered Unit 3695

Summary (none)

Result Notes Idaho ROW is substantially clear. GTN has additional work to do to ensure that the ROW is completely clear and accessible. TransCanada has a dedicated yearly budget for clearing ROW.

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3685

Result **Sat**

Assets Covered Unit 3605

Temporary Inspector Notes (none)

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**Question ID, References** [PD.RW.LEAKAGE.R](#) , 192.709(c) (192.706; 192.706(a); 192.706(b))

Question Text *Do records indicate leakage surveys conducted as required?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes Leak Survey of MLVs is conducted three times annually, twice by Boreal laser leak detection mounted on a helicopter (April and October) and once by TCPL Staff on the ground at each MLV during annual maintenance.

Temporary Inspector Notes (none)

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**SRN.AR: Assessment and Repair**

**Question ID, References** [SRN.AR.ILIUSE.S](#) , N/A (N/A)

Question Text *Are ILI tools utilized to assess the integrity of any pipeline systems?*

**Result** **NIC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes **Yes, ILI tools are utilized to assess the integrity of the pipeline system as detailed in the Integrity Management Program (IMP).**

**Considerations**

1. Review Profile and Annual Reports for data. The purpose of the discussion is to attempt to identify:
  - a. Whether or not the operator has a systemic problem?
  - b. Does the ILI program conform to industry standards for ILI

**Yes, the GTN ILI program is aligned with industry standards for ILI including, but not limited to, those outlined below**

- i. API 1163: In-Line Inspection Systems Qualification
- ii. ASNT ILI-PQ: In-line Inspection Personnel Qualification and Certification. An in-line inspection personnel qualification and certification standard developed by the American Society for Nondestructive Testing and approved by the American National Standards Institute (ANSI). The standard was created to establish minimum requirements for qualification and certification of personnel whose jobs demand specific knowledge of the technical principles of in-line inspection technologies, operations, regulatory requirements and industry standards as applicable to pipeline systems. The employer based standard includes qualification and certification for Levels I, II and III.
- iii. NACE RP0102-2002: Standard Recommended Practice, In-Line Inspection of Pipelines
- c. Is there one particular area the inspections should focus on?
- d. Does the operator have an effective program for assessing pipelines and remediating anomalies?
- e. Are they integrating their data?

**Yes, we integrate integrity assessment data when we assess risk. For more information, refer to TEP-US-GAS-HCA-IMP US Gas HCA Integrity Management Processes (US).**

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.AR.THREATID.S](#) , N/A (N/A)

Question Text *Have specific threats been identified that require specific ILI tools to be used on any pipeline system in the last 3 years?*

**Result** **PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary **So have there been specific threats identified or has external corrosion been identified as a general threat?**

**1) Refer to the TEP-ITM-ECOR-US External Corrosion Threat Management Program.**

Result Notes **Yes, we have identified external corrosion as a threat that requires MFL ILI tools to be used on GTN in the last 3 years.**

**Considerations**

1. The discussion should try to identify whether the operator:
  - a. Has a fair grasp of their risks, and

**The external corrosion (EC) threat level is "low". The internal corrosion (IC) threat level is "low".**

- b. Uses specific tool to assess these risks.
2. Does the tool selection seem reasonable?

**For corrosion, we use MFL ILI tools. For more information, refer to the TEP-ITM-ECOR-US External Corrosion Threat Management Program.**

3. Should the inspection specifically target these areas?
4. Specific tools (e.g. transverse MFL, Ultrasonic compressive wave, and ultrasonic shear wave tools) can be used for specific integrity threats (e.g.; SCC; hard spots; axial corrosion; hook cracks; etc.).

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.AR.PRESSTEST.S](#) , N/A (N/A)

Question Text *Is pressure testing utilized to assess the integrity of any of the pipeline systems?*

**Result** **PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary **What specific threats are the pressure tests mitigating? Where are the segments located? (AI's question). Refer to TEP-US-HCA-IMP US Gas HCA Integrity Management Processes.**

Result Notes **Yes, we use pressure testing to assess the integrity of GTN.**

**Considerations**

1. Review Profile and Annual Reports for data. The purpose of the discussion is to attempt to identify:
  - a. Whether or not the operator has a systemic problem?
  - b. Is there one particular area the inspection should focus on?
  - c. Does the operator have an effective program for assessing pipelines and remediating anomalies?
2. Are they integrating their data?

**Yes, we integrate integrity assessment data when we assess risk. For more information, refer to TEP-US-HCA-IMP US Gas HCA Integrity Management Processes.**

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.AR.ECDA.S](#) , N/A (N/A)

Question Text *Is ECDA utilized to assess the integrity of any pipeline systems?*

Result **PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary Where is ECDA used?

Result Notes **Yes, we have used ECDA to assessthe integrity of GTN.**

**Considerations**

1. Review Profile and Annual Reports for data. The purpose of the discussion is to attempt to identify:
  - a. Whether or not the operator has a systemic problem?
  - b. Is there one particular area the inspections should focus on?
  - c. Does the operator have an effective program for assessing pipelines and remediating anomalies?
2. Are they integrating their data?

**Yes, we integrate integrity assessment data when we assess risk. For more information, refer to TEP-US-HCA-IMP US GasHCA Integrity Management Processes.**

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.AR.OTHERTECH.S](#) , N/A (N/A)

Question Text *Is "Other Technology" utilized to assess the integrity of any of the pipeline systems?*

Result **PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary **"We have notified the OPS about our use of other technology. " But Is TransCanada actively using the "Other Technology" as an official assessment method? Or simply collecting data to be used with another Method? PHMSA has not approved the use of the SSC AICM method.**

Result Notes **Under "Other Technology," the company has developed the Active Integrated Condition Monitoring (AICM) process which has been submitted and presented to PHMSA for the management of HCAs. AICM is a structured, integrated data process for the management of the SCC threat. It incorporates the fundamentals of condition monitoring referenced within the American Society of Mechanical Engineers (ASME) B31.8S, NACE International (NACE) RP0204-2008 standards and ASME STP-PT-011 SCC management in HCAs.**

**Considerations**

1. Review Profile and Annual Reports for data. The purpose of the discussion is to attempt to identify:
  - a. Whether or not the operator has a systemic problem?
  - b. Is there one particular area the inspection should focus on?

- c. Does the operator have an effective program for assessing pipelines and remediating anomalies?
- d. Are they integrating their data?

**Yes, we integrate integrity assessment data when we assess risk. For more information, refer to TEP-US-HCA-IMP US Gas HCA Integrity Management Processes.**

- 2. Does the information gathered match the IM required notifications?

**We have notified the OPS about our use of other technology.**

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.AR.ICDA.S](#) , N/A (N/A)

Question Text *Is ICDA utilized to assess the integrity of any of the pipeline systems?*

**Result NIC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes **No, we have not used ICDA to assess the integrity of GTN.**

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.AR.SCCDA.S](#) , N/A (N/A)

Question Text *Is SCCDA utilized to assess the integrity of any of the pipeline systems?*

**Result PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary **SCC AICM has not been approved for use by PHMSA**

Result Notes **Yes, we use SCCDA to assess the integrity of GTN.**

**Considerations**

- 1. Review Profile and Annual Reports for data. The purpose of the discussion is to attempt to identify:
  - a. Whether or not the operator has a systemic problem?
  - b. Is there one particular area the inspections should focus on?
  - c. Does the operator have an effective program for assessing pipelines and remediating anomalies?
  - d. Are they integrating their data?
  - e. Are they utilizing the industry standards? **Yes, we use SP0204: Stress Corrosion Cracking (SCC) Direct Assessment**

**Methodology.**

- 2. NACES P0204: Stress Corrosion Cracking (SCC) Direct Assessment Methodology. This standard practice is intended for use by pipeline operators and others who must manage pipeline integrity for the threat of SCC. SCCDA as described in

this standard is specifically intended to address buried onshore petroleum (natural gas, crude oil, and refined products) production, transmission, and distribution pipelines constructed from line-pipe steels. Users of this standard must be familiar with all applicable pipeline safety regulations for the jurisdiction in which the pipeline operates. This includes all regulations requiring specific pipeline integrity assessment practices and programs.

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.AR.CDA.S](#) , N/A (N/A)

Question Text *Is CDA utilized to assess the integrity of any of the pipeline systems?*

**Result** **NIC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes **No, we have not used CDA to assess the integrity of GTN.**

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.AR.ASSESSDELAY.S](#) , N/A (N/A)

Question Text *Has the performance of any integrity assessments been delayed such that a schedule or required timeframe was exceeded?*

**Result** **NIC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes **None. All integrity assessments were performed as scheduled or within the required timeframes.**

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.AR.REPCRIT.S](#) , N/A (N/A)

Question Text *Does the operator utilize the same response/repair criteria in HCA and non HCA's?*

**Result** **PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary **refer to TEP-INT-FASS Assessment of Features in Pipelines.**

Result Notes **We do not use the same response in HCAs and non-HCAs because of different risks; however, we use the same repair criteria in HCAs and non-HCAs.**

**GTN's responses in HCAs align with 49CFR§ 192.933 (d) for (1) immediate repair, (2) one year, and (3) monitored conditions. Responses in non-HCAs and non-safety-related conditions are directed by the consideration of**

consequence of failure, defect growth, and potential for interactions with other threats. For more information, refer to *TEP-INT-ILI-US Analysis of In-Line Inspection Data for US Gas Pipelines*.

Repair criteria in HCAs and non-HCAs are the same. For more information, refer to *TEP-INT-FASS Assessment of Features in Pipelines*.

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.AR.CRACKIDENT.S](#) , N/A (N/A)

Question Text *Have any cracks or crack-like features been identified and remediated on any of the pipeline system in the last 3 years?*

**Result** NIC

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes **No, we have not identified and remediated any cracks or crack-like features on GTN in the last 3 years. However, a leak recently occurred near MP 20.8. The pipeline is currently isolated and pressure is reduced to near atmospheric pressure. It is not yet known if the source of the leak is a crack, but the possibility exists and, in that event and in the interest of full disclosure, GTN makes note of the possibility in this response..**

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) **However, a leak recently occurred near MP 20.8. The pipeline is currently isolated and pressure is reduced to near atmospheric pressure. It is not yet known if the source of the leak is a crack, but the possibility exists and, in that event and in the interest of full disclosure, GTN makes note of the possibility in this response.**

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**Question ID, References** [SRN.AR.LINERELACEMENT.S](#) , N/A (N/A)

Question Text *Have any pipeline movement or replacement projects been performed in the last 3 years? If so, identify the projects and locations.*

**Result** NIC

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes **Yes, we have performed one replacement project in the last 3 years. In 2011, we have performed a class location change replacement project at GTN A Line MLV 5-2 station 327+44 to 354+98.**

Temporary Inspector Notes (none)

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## SRN.CR: CRM, SCADA, and Leak Detection

**Question ID, References** [SRN.CR.SCADACOMPLY.S](#) , N/A (N/A)

Question Text *Is SCADA or other forms of automation used to help achieve compliance with Federal pipeline regulations, and if so, to what extent?*

**Result PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary Review SCADA records and selected SCADA procedures for compliance.

Result Notes **Automatic pressure controls and pressure-relief devices are in place at pipeline facilities to ensure MAOP is not exceeded. Controllers monitor operating pressures and remotely control field devices via SCADA to further ensure that MAOP is not exceeded (with allowable build-up during startup/shutdown). SCADA alarms are displayed to Controllers if pressures do exceed MAOP. Gas Controllers monitor various parameters to ensure compliance with regulations and tariffs, along with ensuring equipment integrity. These include:**

- **Gas temperatures and gas quality readings and alarms.**
- **Compressor Station, Compressor Unit and Pipeline operating parameters and alarms.**
- **Facility gas, fire and ESD system alarms to help ensure personnel and public safety.**

**Considerations**

1. Is the SCADA system used as the official records retention tool for regulatory compliance?  
**Yes**
2. What form are these records in (hardcopy, on computer, etc) and where can we view these records?  
**The records are in a computer and can be retrieved directly in our Houston Control Room. Specific requested records can be exported and sent to a field office as attached files.**
3. Identify what records can be found where.  
**See previous answer.**
4. Does this include pressure records?  
**Yes**
5. Is SCADA used to log alarms?  
**Yes**

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) Review SCADA records and selected SCADA procedures for compliance.

**Question ID, References** [SRN.CR.LEAKDET.S](#) , N/A (N/A)

Question Text *How are leaks detected (system in place, procedures available)?*

**Result PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary Review all records discussed in this question and the **TEP-US-HCA-IMP US Gas HCA Integrity Management Processes.**

Result Notes **Minor gas leaks are typically identified by Field Operations personnel during leakage surveys conducted annually at all above ground facilities. We also conduct semi-annual leakage surveys using a helicopter-mounted Boreal Laser**

**leakdetector. Significant gas leaks maybe indicated by an unexplained pressuredecrease and/or flow rateincrease, and noted by Controllers via monitoring or alarm. Gas Control operating proceduresexist that definethe Controller'srole, responsibilities and authority in identifying and responding to abnormal operating conditions and emergencies. Suspected leaksreported by third parties are investigated promptly by field personnel to verifywhether a leakexists on any ofthe facilities we operate and to respond appropriately.**

**The GTN system is patrolled by aircraftfour times each year with intervalsnot exceeding 4 ½ months. Two of those patrols are doneusing a BorealLaser leak detector.**

#### **Considerations**

1. Verifythat the operator has a means to detect leaks onitspipeline system. The purpose of the discussionisto attempt toidentify:
  - a. Whetheror not the operatorhas a systemic problem?
  - b. Is there one particular area the inspectionshould focus on?
  - c. Does the operatorhave an effective program fordetecting leaks?

**Formore information, refer to Natural Gas Leak Detection Procedure U.S. and Mexico.**
2. Are theyintegrating their data?

**Yes, we integrate leak and rupture data when weassess risk. For more information, refer to TEP-US-HCA-IMP US Gas HCA Integrity Management Processes.**

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) Review all records discussed in this question and the **TEP-US-HCA-IMP US Gas HCA Integrity Management Processes.**

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## **SRN.DC: Design and Construction**

**Question ID, References** [SRN.DC.PROJECT.S](#) , N/A (N/A)

**Question Text** *Are "non-major" pipeline and pipeline component construction and/or testing project activities planned to be underway within the next 6 months? The following questions may be of help in identifying the projects.*

**Result** **PAC**

**Assets Covered** Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

**Summary** **When will thesebe done?**

**Result Notes** **Yes, we have planned activities under the Corrosion, CP, and SCC programs. CP projectsare listed in Question 13 ("Cathodic Protection Projects")inthe Time DependentThreats module.**

**3 SCCDA digsplaned in OR**  
**5 SCCDA digsinID**

**4 External Corrosion Digs planned in OR****1 External Corrosion Dig planned in WA**

| <b>Program</b> | <b>Project Type</b> | <b>Sub Type</b>         | <b>Budget Project Name</b>               | <b>State</b> |
|----------------|---------------------|-------------------------|------------------------------------------|--------------|
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs                     | OR           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs                     | ID           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs                     | ID           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs                     | ID           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs                     | ID           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs                     | ID           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs                     | ID           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs                     | OR           |
| SCC            | Dig Program         | Direct Assessment (Dig) | SCCDA (3,4) - 8 Digs                     | OR           |
| Corrosion      | Dig Program         | Urgent                  | GTN A Line Kingsgate to Station 6 NPS 36 | ID           |
| Corrosion      | Dig Program         | Growth                  | GTN A Line Station 6 to Station 9 NPS 36 | OR           |
| Corrosion      | Dig                 | Growth                  | GTN A Line Station 6 to Station          | OR           |

|           |             |               |                                          |    |
|-----------|-------------|---------------|------------------------------------------|----|
|           | Program     |               | 9 NPS 36                                 |    |
| Corrosion | Dig Program | Growth        | GTN A Line Station 6 to Station 9 NPS 36 | OR |
| Corrosion | Dig Program | Growth        | GTN A Line Station 6 to Station 9 NPS 36 | OR |
| Corrosion | Dig Program | Investigative | GTN B Line Station 5 to Station 6        | WA |

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) **When will thesebe done?**

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**Question ID, References** [SRN.DC.PROJECTPRESSTEST.S](#) , N/A (N/A)

Question Text *Are pressure tests scheduled to occur within the next 6 months on existing pipelines or existing pipeline components (tests that are to be performed independent from normal post-construction testing)?*

Result **PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary **Why was Pressure testchosen? Is MP 282 a HCA? Where is MP 282 located ... state and nearesttown?**

Result Notes **Yes, we havescheduled a pressuretest which occurred in the month of April andtested the covered segment GTN-115on GTN B Line at MP 282.**

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) **Why was Pressure testchosen? Is MP 282 a HCA? Where is MP 282 located ... state and nearesttown?**

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**Question ID, References** [SRN.DC.PROJECTCLASSLOC.S](#) , N/A (N/A)

Question Text *Are pipe replacements or requalification tests that are required by class location changes scheduled to occur within the next 6 months?*

Result **NIC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes **No, we have not scheduled pipe replacementsor requalificationtests that are required by class location changes within the next6 months.**

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) **In the next 12 months?**

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**Question ID, References** [SRN.DC.CONSTPIPESTATION.S](#) , N/A (N/A)

**Question Text** *Are construction activities scheduled to occur within the next 6 months on steel line pipe and/or stations (meter, compressor, regulator, overpressure protection)?*

**Result** **NIC**

**Assets Covered** Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

**Result Notes** **Yes, we have scheduled construction activities for onenewmeter station at Chase Rd near RathdrumID to take place in August 2014.**

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) observe if we can

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#### **SRN.FS: Facilities and Storage**

**Question ID, References** [SRN.FS.CMPINSPECT.S](#) , N/A (N/A)

**Question Text** *Have any compressor stations been significantly modified or constructed within the last 5 years?*

**Result** **NIC**

**Assets Covered** Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

**Result Notes** **No, we have notsignificantly modified or constructed compression stationswith the last 5 years.**

**Temporary Inspector Notes** (none)

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**Question ID, References** [SRN.FS.VAULT.S](#) , N/A (N/A)

**Question Text** *Are there any vaults that have a volumetric internal content of 200 cubic feet (5.66 cubic meters) or more within the confines of a compressor station?*

**Result** **NA**

**Assets Covered** Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

**Result Notes** No such relevant facilities/equipment existed in the scope of inspection review.

**Temporary Inspector Notes** (none)

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**Question ID, References** [SRN.FS.HCAFACILITY.S](#) , N/A (N/A)

Question Text *Are any facilities located in high consequence areas (HCAs)?*

**Result** PAC

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary Inspect these and all HCAs

Result Notes **Yes, the following two facilities are located in HCAs:  
South Bend Sales MS (GTN-MS-1) in Oregon  
Rathdrum Generating Sales MS (GTN-MS-2) in Idaho**

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) Inspect these and all HCAs

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## SRN.IM: Integrity Management

**Question** [SRN.IM.HCANEW.S](#) , 192.905(c)

**ID,**

**References**

Question Text *Have any new HCA's been identified in the last 3 years based on new information that may show that a pipeline segment impacts a high consequence area?*

**Result** PAC

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary Review the Table

Result Notes **Yes, we identified three new HCAs in the last 3 years. For the list of the new HCAs, refer to the following table.**  
**Considerations**

1. Locations and boundaries of a segment that can affect an HCA correctly identified and maintained up-to-date?
  - a. If there are new HCA's this could require a review of IM MOC and other areas to ensure these are properly imbedded into their IM program.

**If we have determined that the segment meets the definition as an HCA, we incorporate it into our baseline assessment plan as an HCA within one year from the date the area is identified. Because we follow our process (refer to the document Integrity Management Processes), we do not need to create a new MOC for a new HCA.**

- b. Be sure to review Profile for new assets and identify how these are included in IM program.

| HCA_ID  | Previous HCA ID | Line Segment Num | Begin SS | Begin STN (ft) | End SS  | End STN (ft) | Length (ft) | Highest Class In HCA | HCA Reasons | State | HCA Date    | Line Segment Name                | Piggable Segment(s)                     |
|---------|-----------------|------------------|----------|----------------|---------|--------------|-------------|----------------------|-------------|-------|-------------|----------------------------------|-----------------------------------------|
| GTN-301 | None            | 500002           | 5004002  | 598+21         | 5004102 | 18+38        | 2,011       | 2                    | HD          | ID    | 16-Dec-2011 | 50000-2 GTN Mainline B           | Sandpoint to Athol Station CS 4 to CS 5 |
| GTN-352 | None            | 510000           | 5100000  | 936+56         | 5100000 | 949+67       | 1,311       | 3                    | IS          | OR    | 13-Dec-2012 | 51000 GTN Coyote Springs Lateral | No                                      |
| GTN-351 | GTN-248         | 520000           | 5206000  | 977+43         | 5206000 | 986+27       | 884         | 3                    | IS          | OR    | 4-May-2011  | 52000 GTN Medford Lateral        | MLV 3 to Phoenix MS                     |

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Review the Table  
Dunphy  
(Screening)

**Question ID, References** [SRN.IM.HCAMETHOD.S](#) , 192.903(1)(i) (192.903(1)(ii); 192.903(1)(iii); 192.903(1)(iv))

**Question Text** *Is method 1 or method 2 of the §192.903 High Consequence Area definition for the identification of HCAs used?*

**Result** **NIC**

**Assets Covered** Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

**Result Notes** **We use Method 2 of the §192.903 High Consequence Area definition to identify HCAs.**

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) review method 2 in 192.903

**Question ID, References** [SRN.IM.RAMOD.S](#) , 192.917(a) (192.917(e)(2); ASME B31.8S-2004, Section 2.2 and Section 5.10)

Question Text *Describe the most significant modifications that have been made to the IM processes to identify and evaluate all potential threats to each covered pipeline segment in the last 3 years.*

Result **PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary **refer to TEP-US-HCA-IMP US Gas HCA Integrity Management Processes.**

Result Notes **Our most significant modification to the IM processes is modifying the risk assessment algorithm to increase relative risk for threat interactions. A significant improvement is creating a threat management program for each of the nine threat categories. A significant development is the implementation of other technology of SCC AICM.**

#### **Considerations**

1. At the onset of examining the operator's process for evaluating risk to high consequence areas, it is important to establish the general categories of risk factors that the operator has included in their process. This question addresses the overall comprehensiveness of the risk evaluation process. An effective operator program would be expected to have the indicated characteristics.

a. The team should capture a short description of the Risk model that the operator uses.

**The annual Integrity Management processes follows the integrity management plan of ASME B31.8S-2004 and manages all nine threat categories in the standard.**

**The Company's risk assessment uses the approaches of subject matter experts (SMEs) and relative assessment models. Risk assessment considers all nine threat categories and interacting threats.**

**As described in the Threat Identification element of the US-GAS-HCA-IMP, an SME is assigned to each threat category. Each SME has participates in developing and reviewing the flowchart for the threat identification that applies the SME's knowledge and integrates data. For all covered segments, the US Gas IMP Engineer integrates data and identifies threat levels ("not applicable," "low," "medium," or "high") with the flowcharts, and the SME reviews, changes and approves the threat levels. When the SME approves the threat levels, the US Gas IMP Engineer integrates likelihoods and consequences, calculates the "Total Risk Scores" of all covered segments in individual lines of business, and prioritizes**

**covered segments for assessment, prevention, and mitigation actions. The US Gas IMP Engineer and the SMEs select the most appropriate assessment, prevention, and mitigation methods according to the risk assessment results and the Integrity Threat Management (ITM) procedures.**

b. Does the operator use several different models for their different systems?

**We use the same model for our systems.**

2. What are the significant Risks identified by the analysis?

a. Threats are identified in order to determine what mechanisms can cause failure of each segment so that appropriate assessment methods are applied to the segments and effective preventive and mitigative measures can be defined for the segments. Threats are evaluated in order to provide input to segment risk assessment, which is used to set segment integrity assessment priorities and evaluate the benefits of preventive and mitigative activities.

**The most significant threat to GTN is weather and outside forces. In 2006, a Baseline Geologic Hazards Assessment was conducted on the GTN system. It addressed all natural geologic processes or events which could adversely affect the integrity of the pipeline. These included: landslides, ground shaking (seismic), liquefaction (seismic triggered), active fault and volcanic hazards. A relative likelihood factor (low, medium or high) was assigned to any areas of concern. An inventory of the identified areas can be found in Table 2 of the report titled "Phase I Geologic Hazards Assessment GTN and North Baja Pipelines, Idaho, Washington, Oregon, and California, USA - June 1, 2006".**

b. The rule specifies nine threat categories that need to be considered, representing the major causes of pipeline failures.

**We identify the following nine threat categories: external corrosion, internal corrosion, stress corrosion cracking, manufacturing, construction, equipment, third-party damage, incorrect operations, weather and outside forces. We also identify threat interactions.**

c. Operators need a documented basis for their judgment regarding the applicability of each threat category to each covered segment. If the operator eliminates any category as a threat for a segment, then this decision needs to be justified.

**We identify each of the nine threat categories for each covered segment. The algorithms, integrated data, and SMEs' inputs direct the risk assessment results.**

d. In general, a threat should be included for a segment if the operator's failure history includes failures due to the threat on the segment or similar segments (both covered segments and other segments in the operator's system). Also, segments with characteristics indicating a known vulnerability to a threat should include this threat (unless the operator is able to establish that action has been taken to reduce the threat to a negligible level on the segment).

**Yes, we integrate leak and rupture data when we assess risk. For more information, refer to TEP-US-HCA-IMP US Gas HCA Integrity Management Processes.**

e. Also of extreme importance is that the evaluation MUST analyze the interactive nature of threats (i.e., more than one threat occurring on a section of pipeline at the same time). This is a mandatory requirement clearly spelled out in ASME B31.8S-2004, Section 2.2. This is particularly important when considering manufacturing and construction threats as well as pipe seam threats. These threats may often be treated by operators as "stable" for which no integrity assessment is needed. However, other interacting threats could result in these otherwise stable defects becoming an integrity threat that must be assessed.

**Risk assessment also identifies threat interactions. An interaction increases the relative risk, which increases the prioritization for assessments, preventions, and mitigations. Interacting threats that could activate otherwise stable**

manufacturing and construction defects include: weather and outside force, external corrosion, internal corrosion, stress corrosion cracking and mechanical damage. Interacting threats are determined to be significant for potential destabilization of manufacturing and construction defects on a given line segment by analyzing the threat susceptibility levels of the interacting threats [criteria is defined in TEP-ITM-MANUF-US Manufacturing, Fabrication and Construction Threat Management Program (US)]. Interacting threats are considered when reviewing the threat susceptibility results by the other threat-specific SMEs.

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.IM.PMIMPGENERAL.S](#) , N/A (N/A)

Question Text *Describe the most significant additional measures implemented in the last 3 years to prevent a pipeline failure and to mitigate the consequences of a pipeline failure in a high consequence area?*

Result **PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary Review Geologic report and location of ASVs, also review enhanced damage prevention program

Result Notes

Considerations

1. The team should attempt to assess whether or not the operator is taking the P&M part of IM serious:
  - a. Did they actually implement and P&M measures?
  - b. Did they do both mandatory and non Mandatory measures?
- **Enhanced damage prevention program with respect to a covered segment to prevent and minimize the consequences of a release due to third party damage.**
  - **Qualified personnel for work that could adversely affect the integrity of a covered segment, such as marking, locating, and direct supervision of known excavation work.**
  - **A central database that is location-specific and contains data on excavation damage that occurs in covered and non covered segments in the transmission system and the root cause analysis to support identification of targeted additional preventative and mitigative measures in the HCAs.**
  - **Participating in one-call systems in locations where covered segments are present.**
  - **Monitoring excavations conducted on covered pipeline segments by pipeline personnel. If physical evidence of encroachment involving excavation was not monitored near a covered segment, the area near the encroachment is excavated or an above ground survey is conducted. Any indication of coating holidays or discontinuity warranting direct examination are excavated and remediated.**
  - **Increasing the frequency of aerial, foot or other methods of patrols.**
  - **Adding external protection, reducing external stress, and relocating the line if outside force is a threat to the integrity of a covered segment.**

- **Automatic shut-off valves (ASVs) If ASVs has been added, then where are they located by state and nearest city?**
- **Replacing pipe segments with pipe of heavier wall thickness (Replacements at GTN A-Line MLV 5-2 from station 327+44 to 354+98)**
- **Conducting drills with local emergency responders**
- **Implementing additional inspection and maintenance programs**
- **The most significant threat to GTN is weather and outside forces; in response, we implemented the following measures:**
  - 2006 Phase I Geological Hazards Assessment**
  - 2008 Phase II Landslide Assessment**
  - 2009 Phase II Fault Rupture Assessment**
  - 2009 Phase III Landslide Assessment** Where are known landslide hazards located by state and nearest town?
  - 2013 Slope Monitoring Report**

c. Do these measures seem related to the Risk identified in SRN.IM.RAMOD.S.

**Yes, the risk assessment results support the above preventive and mitigative measures.**

d. Are there some going on during the inspection that the team could witness?

**Yes.**

2. A lack of response would warrant further inspection of this area.
3. An operator must take additional measures beyond those already required by Part 192 to prevent a pipeline failure and to mitigate the consequences of a pipeline failure in a high consequence area.
4. An operator must base the additional measures on the threats the operator has identified to each pipeline segment.
5. The operator's IMP should include procedures or processes for identification of additional measures based on identified threats to each pipeline segment and the risk analysis required by 192.917.
6. Inspectors should review the operator's IMP and verify that the decision-making process considers both the likelihood and consequences of pipeline failures. Clearly, segments and facilities that represent the highest risk are the most important candidates for additional preventive and mitigative actions.

**For points 3-6, we follow our risk assessment process to analyze the probability of failure, analyze consequence, and calculate the "Total Risk Scores" of all covered segments in each pipeline and prioritize covered segments for assessment, prevention, and mitigation actions.**

7. Threats that the operator's process must consider include, but are not limited to, those identified in ASME B31.8S-2004, Section 2.2 such as time dependent threats such as internal corrosion, external corrosion, and stress corrosion cracking; static or residual threats such as third party damage and outside force damage; and human error. The operator's IMP should, as a minimum, include

consideration of these threats in the evaluation process for identification of preventative and mitigative measures.

**For more information, refer to TEP-US-GAS-HCA-IMP US Gas HCA Integrity Management Processes (US) as well as each document for each threat management program.**

8. The process must consider a broad range of potential preventive and mitigative measures including, but not necessarily be limited to, the following potential measures explicitly stated in the rule. The operator's IMP should include a systematic, documented decision-making process to decide which measures are to be implemented. The process should include input from relevant parts of the organization such as operations, maintenance, engineering, and corrosion control. Each operator is likely to have a different process for making decisions about the implementation of additional preventive and mitigative actions. Some operators may make use of a formalized "decision model" for their evaluation, while others may use a more informal process based on general considerations.

**For more information, refer to TEP-US-GAS-HCA-IMP US Gas HCA Integrity Management Processes (US) as well as each document for each threat management program.**

9. Inspectors should verify that additional measures are identified and documented and have actually been implemented, or scheduled for implementation. It is expected that most operators will use existing company work processes to implement the additional actions.

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) Review Geologic report and location of ASVs, also review enhanced damage prevention program

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**Question ID, References** [SRN.IM.MOC.S](#) , N/A (N/A)

Question Text *Describe the most significant changes that have been implemented and moved through the Management of Change (MOC) processes for risk management applications in the last 3 years.*

**Result** **PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary SCC AICM has not been approved by PHMSA.

Result Notes **Our most significant modification to the IM processes is modifying the risk assessment algorithm to increase relative riskforthreat interactions. A significant improvement is creating a threat management programforeach of the nine threatcategories. A significantdevelopment istheimplementation ofother technology ofSCC AICM.**

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) Review MOC of SCC AICM

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**SRN.MO: Maintenance and Operations****Question ID, References** [SRN.MO.ODORIZE.S](#) , N/A (N/A)Question Text *Are any portions of the pipeline system(s) odorized?*Result **PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary Review Odorization

Result Notes **Considerations**

1. Determine if any lines are odorized.

**Yes, the GTN Mainline is odorized at Malin for delivery to the customer in the State of California. The Medford Lateral is odorized at MLV M-1 as a service to the customer at the end of the lateral. Both these pipelines operate primarily in Class 1 Locations and do not require odorization under PHMSA regulations. The maintenance and operation of the facilities is conducted following the requirements of the regulations (frequency, OQ, etc.).**

2. Are any lines in Class 3 or Class 4 locations not odorized?

**Portions of the GTN Mainline and Medford Lateral pass through Class 3 locations, but the majority of the downstream pipeline is in Class 1 location. The Coyote Lateral is an 18 mile pipeline delivering gas to a distribution center. Less than 1/2 mile of the lateral is in Class 3 Location.**

3. Are any of the odorized lines naturally odorized?

**No.**

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) Review Odorization

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**Question ID, References** [SRN.MO.CLASSLOCATEMAOPREV.S](#) , N/A (N/A)Question Text *Has there been a class location change occur in the past 3 years that required a study and the subsequent confirmation or revision of the pipeline segment's MAOP?*Result **PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary It would help if the above table included the state and nearest town for each location. Where are these locations?

Result Notes **The following table of class location changes have been identified in the past three years.**

| CYCLE<br>(ft) | Begin<br>Previous<br>Class<br>Series<br>Location | Begin Chainage<br>New Class<br>Station<br>Location | (ft)  | End Chainage |   |
|---------------|--------------------------------------------------|----------------------------------------------------|-------|--------------|---|
|               |                                                  |                                                    |       |              |   |
| Oct-13        | 5003201                                          | 16722                                              | 16818 | 1            | 2 |
| Oct-13        | 5004001                                          | 4856                                               | 4859  | 1            | 2 |
| Oct-13        | 5004201                                          | 43980                                              | 44070 | 1            | 2 |
| Oct-13        | 5005001                                          | 23545                                              | 24398 |              |   |
|               | 5005001                                          | 24526                                              | 24835 |              |   |
| Oct-13        | 5005001                                          | 25003                                              | 26323 | 1            | 2 |
| Oct-13        | 5005201                                          | 5120                                               | 5125  | 2            | 3 |
| Oct-13        | 5011101                                          | 69388                                              | 70697 | 1            | 2 |
| Oct-13        | 5011101                                          | 71316                                              | 71417 | 1            | 2 |
| Oct-13        | 5011211                                          | 11239                                              | 11265 | 1            | 3 |
| Oct-12        | 5004001                                          | 34566                                              | 35110 | 2            | 3 |
| Jan-12        | 5004001                                          | 34566                                              | 35109 | 2            | 3 |
| Jan-12        | 5011201                                          | 17259                                              | 17301 | 1            | 3 |
| Jan-12        | 5005201                                          | 33822                                              | 33835 | 2            | 3 |
| Jan-12        | 5005101                                          | 36349                                              | 36370 | 1            | 2 |
| Jan-12        | 5004201                                          | 63832                                              | 63869 | 1            | 2 |
|               | 5004202                                          | 63888                                              | 63907 |              |   |

#### Considerations

1. Determine whether this has occurred.

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) It would help if the above table included the state and nearest town for each location. Where are these locations?

#### SRN.MULTI: Multi-Module Screening Question

Question ID, References [SRN.MULTI.NEARMISS.S](#), N/A (N/A)

Question Text *Are "near misses" tracked, and if so, how are "near misses" defined?*

**Result PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary Review this application

Result Notes **Yes, we track near misses with an intranet application for tracking incidents and issues.**

**Considerations**

1. Verify the operator's definition of near misses.

**We define near misses as "an unplanned event which, had it occurred under slightly different circumstances, could have resulted in undesirable consequences."**

2. The purpose of the discussion is to attempt to identify:
  - a. Whether or not the operator has a systemic problem?
  - b. Is there one particular area the inspection should focus on?
  - c. Does the operator have an effective program for mitigating "Near Misses"?

**Yes, the Mechanical Damage Threat Management Program includes preventions and mitigations for near misses. Unresolved near misses in HCAs increase relative risks, which prioritizes preventions and mitigations. For more information, refer to the documents for *Integrity Management Processes* and *Mechanical Damage Threat Management Program*.**

3. Are they integrating their data?

**Yes, we integrate incident data when we assess risk. For more information, refer to TEP-US-HCA-IMPUS Gas HCA Integrity Management Processes.**

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) Review this application

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**Question ID, References** [SRN.MULTI.IMPLANMOD.S](#) , N/A (N/A)

Question Text *Describe the most significant changes to the IMP processes and procedures since the last IMP or II IMP-related inspection.*

**Result PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary SCC AICM is not yet approved.

Result Notes **Our most significant modification to the IM processes is modifying the risk assessment algorithm to increase relative risk for threat interactions. A significant improvement is creating a threat management program for each of the nine**

**threat categories. A significant development is the implementation of other technology of SCC AICM.**

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.MULTI.IDLERETURN.S](#) , N/A (N/A)

Question Text *Have any pipelines been returned to service in the last 3 years that were previously considered to be "idle"?*

**Result** **NIC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes NO

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.MULTI.CONVERSION.S](#) , N/A (N/A)

Question Text *Have any pipeline segments been converted to service within the last 5 years?*

**Result** **NIC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes NO

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.MULTI.NEWFACILITIES.S](#) , N/A (N/A)

Question Text *Have any new facilities or components been constructed/added within the last three years?*

**Result** **NIC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes NO

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.MULTI.OPERATERESTRICT.S](#) , N/A (N/A)

Question Text *Are there any operational restrictions (for example, reduced operational pressure) that have been put on the system?*

**Result** **PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary Review and discuss these in some detail.

Result Notes **We have derated the segments in 2010-2011 in the following valve sections for class location changes:**

- GTN A Line from MP 4.128 to MP 4.251 between MLV 3-0 and MLV 3-1 derated from 911 to 884 psi
- GTN A Line from MP 26.787 to MP 26.942 between MLV 3-1 and MLV 3-2 derated from 911 to 867 psi
- GTN A Line from MP 31.245 to MP 43.927 between MLV 3-2 and MLV 4-0 derated from 911 to 890 psi
- GTN A Line from MP 48.189 to MP 48.339 between MLV 4-0 and MLV 4-1 derated from 911 psi to 856 psi
- GTN A Line from MP 63.400 to MP 63.689 between MLV 4-1 and MLV 4-2 derated from 911 to 829 psi
- GTN A Line from MP 118.89 to MP 119.10 between MLV 5-2.5 and MLV 5-3 derated from 911 to 874 psi

It would help if the above list included the state and nearest town for each location.

**GTN has not implemented any temporary pressure reductions for immediate responses. A temporary pressure reduction/shut down was required as a result of a leaking dent that was identified outside of a HCA condition in the pipeline segment noted below:**

- 2014 – ~MP 20.8 GTN A-Line Kingsgate to Stn. 6, Idaho.

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) Review and discuss these in some detail.

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**Question ID, References** [SRN.MULTI.VAULT.S](#) , N/A (N/A)

Question Text *Are there any vaults that have a volumetric internal content of 200 cubic feet (5.66 cubic meters) or more?*

**Result** NIC

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes **We do not have any vaults with regulating equipment.**

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.MULTI.GRANDFATHER.S](#) , N/A (N/A)

Question Text *Are there any facilities grandfathered under various code requirements?*

**Result** NIC

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes NO

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.MULTI.POSTACCIDENTMOC.S](#) , N/A (N/A)

Question Text *Have any procedures been revised due to deficiencies identified during a post-accident analysis?*

Result **PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary Review One Call TOP

Result Notes **We review our procedures periodically and revise our procedures for continuous improvement, however these changes were not the result of actual accidents.**

- **One Call Locating and Marking Procedure - Made changes to TOP to provide better guidance on how to respond to a One-Call, decisions on when site visits are required and documentation of no site visit required tickets. In addition, a training program was developed to communicate requirements.**
- **Overhead Power Lines Procedure - Procedure scope has been expanded to include work paralleling power line easements and additional controls for planning and supervising work proximate to power lines. Overhead Power Lines Procedure (EDMS #003672640)**

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) Review One Call TOP

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## SRN.PD: Public Awareness and Damage Prevention

Question ID, References [SRN.PD.ONECALLPROCESS.S](#) , N/A (N/A)

Question Text *Are One-Call tickets handled in one centralized location or in some other manner?*

Result **PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary Review one-call records, ticket processing, and TOP

Result Notes **Membership is maintained with OneCall centers in each state in which GTN operates pipelines. Tickets are transmitted from OneCall centers to irthNet. irthNet filters and assigns tickets according to operational areas. Company employees and contract locators access the irthNet system and retrieve assigned tickets. Tickets are either cleared or located and marked in accordance with the TOP *One Call Locating and Marking U.S. and Mexico*. When a ticket is within 3 hours of expiration and has not been closed, a notification is sent via e-mail to an identified contact for the area.**

**Each state OneCall center is configured to transmit emergency and after-hours tickets to U.S. Gas Control (manned 24x7). Gas Control contacts the on-call technician for the operational area and relays the information for technician action. Controller actions are documented according to U.S. Gas Control policies and procedures.**

**For more information, refer to TOP *OneCall Locating and Marking U.S.andMexico* (EDMS # 3857331).**

**Considerations**

1. The discussionshould gather additionalinformationabout:
  - a. Whetheror not the operatorhasa systemic problem?
  - b. Is there one particular area the inspectionshould focus on?
2. Are they integrating their data?

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) Review one-call records, ticket processing, and TOP

---

**Question ID, References** [SRN.PD.ONECALLRESPOND.S](#) , N/A (N/A)

Question Text *Does a group respond to One-Call requests or is the function handled by many different individuals?*

Result **PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary Review one-call records, ticket processing, and TOP

Result Notes **One Call ticketresponses are the responsibility of assigned individuals (typically pipeline technicians)stationed at field offices along the pipeline and given locate areas based on geographic and operational areaboundaries.**

**Considerations**

1. The discussionshould gather additionalinformationabout:
  - a. Whetheror not the operatorhas a systemic problem?
  - b. Is there one particular area the inspectionshould focus on?
2. Are theyintegrating their data?

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) Review one-call records, ticket processing, and TOP

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**Question ID, References** [SRN.PD.CGA.S](#) , N/A (N/A)

Question Text *What CGA Best Practices are not followed?*

Result **NIC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes **We apply all CGA BestPracticesas applicable.**

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.PD.POPGROWTH.S](#) , N/A (N/A)

Question Text *Where are the areas of fastest growth (population/infrastructure)?*

**Result** NIC

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes **The GTN pipeline runs through Idaho, Oregon and Washington. For each county in these states that the GTN pipeline traverses, 2013 U.S. Census Data was compared to the data from 2010. This comparison showed that there has been no major population growth along the GTN pipeline. Idaho shows the most growth in terms of infrastructure based on TransCanada's records of class changes and encroachments.**

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.PD.TPDFOLLOWUP.S](#) , N/A (N/A)

Question Text *Do you have a program to track and follow up with Third Party offenders?*

**Result** PAC

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary Follow up on Area Manager contacts of third party offenders.

Result Notes **Historical unauthorized activities are logged and tracked in an intranet system. The Area Manager is responsible to follow up with third party offenders. This is typically delegated to a Land Management representative or a Community Relations Specialist. Follow up actions may include mailings, face to face visit, and distribution of damage prevention materials or legal action. In the case of egregious or flagrant actions by a third party, enforcement actions are pursued through StateOne Call for administrative actions as well as through legal action.**

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) Follow up on Area Manager contacts of third party offenders.

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## SRN.TD: Time-Dependent Threats

**Question ID, References** [SRN.TD.BAREPIPENOCP.S](#) , N/A (N/A)

Question Text *Are there any bare pipelines that are not protected from external corrosion with cathodic protection?*

**Result** NIC

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes **There are no barepipelinesandburied pipelines have cathodic protection.**

Temporary Inspector Notes (none)

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**Question ID, References** [SRN.TD.CORROSIONCNTRL.S](#) , N/A (N/A)

Question Text *Are any Corrosion Control activities being performed during this inspection?*

Result **PAC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary Attend these if possible.

Result Notes **Yes.**

**Considerations**

1. IdentifyCorrosioncontrol tasks that could be audited duringthis inspection. Tasks could include:
  - a. Performance ofregulatory requirements such as AnnualMonitoring, Rectifier monitoring, CIS. b. Above ground surveys.
  - c. Performance oftasks related toIM assessments (Casing assessments, GuidedWave).d. Performance ofother tasks such as DCVG, ACVG, PCM.

**Annual testpoint surveysthroughout the season:**

- **Redmond Oregon – May/June**
- **Klamath FallsOregon – June/July**
- **Idaho – July/August**
- **Rosalia Washington – August/September**
- **Wallula area Washington/Oregon – September/October**

**Bi-monthly rectifier readings:**

- **Throughout the year**

**Various diagnostic testing sites and times:**

- **Under review and being scheduled**

**Various remedial sites and times:**

- **Test Lead Repair A-Line MP 611 - Oregon (GTNSouth) – April/May**
- **GilchrestCPS Upgrade- Oregon (GTNSouth) – May**
- **Sand Creek CPS Upgrade -Oregon (GTNSouth) – May**
- **TaylorSprings CPS Upgrade - Oregon (GTNNorth) – May**
- **Baseline Road CPS Upgrade– Oregon (GTNNorth) – May**
- **Kackman Rectifier Replacement – Oregon (GTN North) – May**

**Various other sites based on diagnostic testing results are being conducted this year.**

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (Screening) Attend these if possible.

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**Question ID, References** [SRN.TD.SCC.S](#) , N/A (N/A)

**Question Text** *Discussion of SCC Program*

**Result** **PAC**

**Assets Covered** Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

**Summary** **Where are the eight planned directexaminations located by state and nearest town? (AI's question).  
SCC AICM is not approved yet. Review TEP.**

**Result Notes** **The SCC threat is managed through planned assessments including: AICM, opportunistic direct examinations, SCCDA, condition monitoring and, if required, EMAT ILI or pressure testing. Condition monitoring includes opportunistically directly examining the pipefor SCC when it is exposed through the execution of other programs. An example of condition monitoring includes directexamination of pipe during class replacementactivities. In 2014, eightplanned directexaminations are planned. A procedure exists to document how theassessment programisdeveloped, how the data is analyzed and the subsequent mitigation and repair. Where are the eight planned directexaminations located by state and nearest town? (AI's question)**

**Considerations**

1. The purpose of the discussion is to attempt to identify:
  - a. Has the operator had any SCC failures?

**No.**

- i. If so, is there an operator program to mitigate the risk?
  - b. Are there local programs or are all governed from a single program?

**The SCC threat is primarily governed with the development and implementation of the program from Calgary, in combination with other threat activities, condition monitoring and opportunistic regional investigations.**

- c. Have there been significant changes to the program?

**A significant development is the implementation of other technology of SCC AICM.**

- d. Whether or not the operator has a systemic problem?

**No SCC has been detected within this system.**

- e. Is there one particular area the inspections should focus on?
        - f. Does the operator have an effective program for remediating these conditions?

**Yes. Formore information, refer to TEP-INT-FASS *Assessment ofFeatures in Pipelines(Cdn-US)*.**

g. Are theyintegrating their data?

**Yes, we integrateSCC data when we assessrisk and performactiveintegrated condition monitoring. For moreinformation, refer to TEP-US-GAS-HCA-IMP *US Gas HCAIntegrityManagement Processes(US)* and TEP-AICM-SCC *Active Integrated Condition Monitoring for SCC(US)*.**

Temporary Inspector Notes (none)

**Question ID, References** [SRN.TD.CPPROJECT.S](#) , N/A (N/A)

Question Text *Have you completed any projects related to corrosion control in the past 3 years?*

**Result NIC**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes

**Considerations**

1. Identifyany projects thatarerelated to corrosion control.Projects such as: **(Refer to the list below)**
  - a. Ground bedReplacements **We completed 40 projects in the past 3 years.**
  - b. Pipeline recoating**We completed 1projectinthe past 3 years.**
  - c. Rectifierreplacements **We completed 3 projects in the past3 years.**  
**We also completed 12 test station repairs& upgrades, 1 casing removal, and 12 other projects.**
2. The purpose of the discussion is to attemptto identify:
  - a. Have there been significant changes to the program?
  - b. Whetheror not the operatorhas a systemic problem?
  - c. Is there one particular area the inspectionshould focus on?
  - d. Does the operatorhave an effective program forremediating these conditions?
  - e. Are they integrating theirdata?
1. **Identify any projects thatare related to corrosion control. Projects such as:**
  - a. **Ground bed Replacements**
    1. **2011GTN North**
      1. **Butter Creek CPS Upgrade (MP288.8)**
      2. **Chevron Crossing Mag Anode Upgrades (MP 254.32)**
      3. **Forestview CPS Upgrade(MP 82.3)**
      4. **Lancaster CPS Upgrade(MP99.3)**
      5. **Ridge Rd CPS Upgrade(MP 330.2)**
      6. **Stanfield CPS Installation (MP 276.5)**
      7. **Stanfield Crossing Test Stationand Site Upgrades(MP277.5)**
      8. **CoyoteSprings Co-Gen CPS Upgrades(MP18.5)**
      9. **Eastport Station 3 CPS Upgrades(MP 2.5)**
      10. **Athol Station 5CPS Upgrades (MP 87.61)**

11. Wallula Station 8 CPS Upgrades (MP 255.6)
12. Ione Station 9CPS Upgrades (MP 319.5)
  2. 2012 GTNNorth
    1. Welch Rd GB Upgrade(MP 220.9)
    2. Rock Creek CPS Upgrade (MP 331.8)
    3. Wallula Station 8GB Upgrades(MP255.6)
    4. Starbuck Station 7 GB Upgrades(MP212.56)
    5. Cascade Specialty CPS Upgrade – CoyoteLateral (MP 6.0)
    6. Kackman Rd CPS Installation (MP 169.4)
    7. Rathdrum Gen GB Upgrades (MP 97.64)
    8. Eureka Flats CPS Upgrade (MP 238.0)
    9. Eastport Station 3 CPS Upgrade(MP 2.5)
    10. Samuels Station 4CPS Upgrades(MP 46.7)
    11. Athol Station 5CPS Upgrades (MP 87.61)
  3. 2013 GTN North
    1. Rathdrum SMS GB Upgrades(MP97.6)
    2. CS 6 GB Upgrades (MP 143.6)
    3. CS 7 GB Upgrades (MP 212.56)
    4. CS 8 GB Upgrades (MP 255.6)
    5. CS 9 GB Upgrades (MP 319.5)
    6. Baker Rd CPS Upgrades (MP 127.6)
    7. 32nd Ave CPS Installation (MP 115.6)
    8. Meadow Creek CPS Installation (MP 13.66)
    9. Lancaster SMS CPS Installation (MP 99.78)
    10. CoyoteSprings SMS GB Upgrades(MP 18.5)
      4. 2011 GTNSouth
        1. Klamath Co-Gen CPS Installation – Medford Lateral(MP 22.8)
        2. Chemult Station 13 Diamond Lk.CPS Upgrades(MP529.5)
        3. Bonanza Station 14 CPS Upgrades(MP 599.2)
      5. 2012 GTNSouth
        1. Pronghorn SMS Mag Anode Upgrades(MP445.8)
        2. Chemult SMS Mag Anode Upgrades(MP 519.4)
        3. Arnold CanalCPS Upgrades (MP 458.3)
      6. 2013GTN South
        1. Hanipan CPS Upgrades (MP 368.5)
- b. Pipeline recoating
  1. 2013GTN North
    1. Ione Station 9 GasCooler By-PassValve Re-Coat(MP 319.5)
- c. Rectifier replacements
  1. 2012GTN South
    1. Willowdale Rectifier Upgrade (403.5)
  2. 2013 GTNSouth

1. Paunina Rectifier Upgrade(MP 516.8)
      2. Diamond Lk#1 Rectifier Upgrade(MP 530.8)
    - d. Test Station Repairs & Upgrades
      1. 2012
        1. MP 105.7 – C Line
        2. MP 172.1 – A Line
        3. MP 172.7 – A Line
        4. MP 172.7 – B Line
        5. MP 252.0 – B Line
        6. MP 269.9 – A Line
        7. MP 269.9 - B Line
        8. MP 292.9 – B Line
        9. MP 271.72 – A Line
        10. MP 354.6 – A Line
        11. MP 12.0 - Coyote Lateral
      2. 2013
        1. Coyote Springs MS Test Station Repair (MP 18.5)
    - e. Casing Removals
      1. GTN North
        1. 2012 – A &B Line MP 112.0
    - f. Other
      1. GTN North
        1. 2011 - Spokane SMS Buried IF Repair (MP 108.8)
        2. 2013 - Spokane SMS IF Repair (MP 108.8)
      2. GTN South
        1. 2013 – O’Neil CPS Cable Break Repair (MP 431.2)
        2. 2013 – Casing Test – HWY 20 A Line (MP453.8)
      3. Bend/Redmond
        1. Transient Current Sites Upgrades – Upgraded in 2013
          1. MP 405.4
          2. MP 407.2
          3. MP 413.3
          4. MP 446.7
          5. MP 453.38
          6. MP 453.64
          7. MP 453.65
          8. MP 453.71

Temporary Inspector Notes (none)

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**TD.CPMONITOR: External Corrosion - CP Monitoring**

**Question ID, References** [TD.CPMONITOR.MONITORCRITERIA.R](#) , 192.491(c) (192.463(a))

Question Text *Do records document that the CP monitoring criteria used was acceptable?*

**Result Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**TD.CPEXPOSED: External Corrosion - Exposed Pipe**

**Question ID, References** [TD.CPEXPOSED.EXPOSEINSPECT.R](#) , 192.491(c) (192.459)

Question Text *Do records adequately document that exposed buried piping was examined for corrosion?*

**Result Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**TD.CPMONITOR: External Corrosion - CP Monitoring**

**Question ID, References** [TD.CPMONITOR.MONITORCRITERIA.O](#) , 192.463(a)

Question Text *Are methods used for taking CP monitoring readings that allow for the application of appropriate CP monitoring criteria?*

**Result Sat**

Assets Covered Unit 3695

Result Notes CS3 Eastport:  
MLV3.2:  
A1 TP2 -1453mV  
B1 TP1 -1673mV  
  
A-line:  
TP1 -1500mV Upstream blow down  
TP3 Valve A1 -1603mV suction  
TP15 Valve 50 -1832mV discharge

## B line:

TP41 valve 350A suction -2157mV

TP22 valve 55 discharge -1404mV

TP7 A unit starter gas -1186mV

TP34 Fuel Gas -5534mV

TP36 utility Gas -4307mV

TP8 Boiler -2866mV

TP59 Tractor Shed -1792mV

## CS4 Sandpoint:

A-line upstream blow down -2420mV

A-line valve 54 -3477mV

B-line Mainline blowdown Valve 59 -2190mV

utility gas -1647mV

## C-unit:

fuel gas -1750mV

Utility Gas -3962mV

## MLV4.1:

A TP2 -1616mV

B TP1 -1247mV

## MLV4.2:

A TP2 -3280mV

B TP1 -2749mV

## CS5 Athol:

A TP1 valve 3 blowdown -1529mV

B TP54 blowdown -1374mV

C TP42 Valve 31 cross tie -2451mV

## MLV5.2:

A 3 -2440mV

B1 -1992mV

C1 -1920mV

**Result Sat**

Assets Covered Unit 66685

**Result Sat**

Assets Covered Unit 3605

**Result Concern**

Assets Covered Unit 3685

Summary (none)

Result Notes Medford Lateral:

Phoenix MS  
Inlet -2176mV  
Outlet -2185mV  
Delivery -2020mV

MLV 6 -1505mV

**MLV4 -691mV; Blowdown -719mV**

M3 Klamath West MS MP 22.7 -952mV (Avista -1617mV)

Klamath CoGen MS Outlet -2807mV (CoGen -3218mV)

PPM MS Out -2321mV

M1 -1204

GTN A &amp; B Line:

CS 14

A Suction -1321mV

B Suction -1309mV

Fuel Gas -1538mV

Utility Gas -1642mV

CS 13

A suction -1077mV

B Suction -867mV

Utility Gas In -1872mV

Chemult MS

IN -1734mV **(Cascade Nat Gas -590mV Second read, Cascade needed signage over pipe out of GTN facility)****Thermal electric Generator (TEG) -370mV (Super Dry Conditions)**

GilChrist MS

In -1090mV **(Cascade Nat Gas -399mV)**

TEG -1139mV

MLV12.2 A1 -1395mV; B1 -1302mV

Gilchrist Rectifier 501.7R 84.4V 6.5 amps

MLV12-1.5 (line break control for Jack pine Village A1 -1170mV; B1 -1302mV)

LaPine MS -1970mV (Cascade Nat Gas -1090mV)

CS12

A Suction -1354mV;

B Suction -1204mV;

Utility Gas -2119mV

CS11

A Suction -1641mV

B Suction -1485mV

Utility -2314mV

Start Gas -1500mV

Prineville MS Out -926mV (Cascade -1036mV)

Redmond MS In -1410mV (Cascade -1419mV)

MP 438.3 Road Crossing

A -1360mV (Casing -460mV)

B -1370mV (Casing -427mV)

MLV10.3

A1 -1190mV

B1 -1160mV

Madras MS Out -1060mV (Cascade -1072mV)

MP 397.3 Hwy 293 Crossing

A -1075mV (Casing -605mV)

B -1079mV (casing -320mV)

CS10

A Suction -2423mV

B Suction -1608mV

Utility Gas PCV 35 -2973mV

A Unit Fuel Gas -1692mV

Pronghorn MS: TEG -1222mV; MS In -1016mV

South Bend MS: In -2420mV; Out -450 (Isolated above-ground; Cascade -1325mV)

MLV11-2.5 A1 -1008mV

MP455.3 Stevens Rd Crossing A -1575mV (casing -280); B -1648 (no casing)

Bend MS: In -1770mV, Out +132mV (above ground isolated; Cascade -1010mV)  
Arnold Canal Rectifier MP458.3-R 87.05 V, 3.1 amps  
Arnold Canal MP458.3: A1 -4330mV; B1 -4080mV

MLV11.3 A1 -900mV, b1 -1380mV  
MP460.4 A -1450mV (casing -300mV), B -1530mV (casing -300mV)

Sun River (Stearns) MS In -1630mV (**Cascade -485**)

Temporary Inspector Notes (none)

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**Question ID, References** [TD.CPMONITOR.TEST.R](#) , 192.491(c) (192.465(a))

Question Text *Do records adequately document cathodic protection monitoring tests have occurred as required?*

**Result Sat**

Assets Covered Unit 66685

Result Notes Reviewed Rosalia District records of CP data from 2011 thru 2013 for:

- (8) Rectifier stations
  - (5) District Regulator Stations
  - (8) Test Stations on A-Line and B-Line
  - (1) Test Station on C-Line
- (ALJ 5/21/2014)

**Result Sat**

Assets Covered Unit 3605

**Result Sat**

Assets Covered Unit 3695, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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### **TD.CPEXPOSED: External Corrosion - Exposed Pipe**

**Question ID, References** [TD.CPEXPOSED.EXTCORRODEEVAL.R](#) , 192.491(c) (192.485(a); 192.485(b); 192.485(c))

Question Text *Do records document adequate evaluation of externally corroded pipe?*

**Result Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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### TD.CPMONITOR: External Corrosion - CP Monitoring

**Question ID, References** [TD.CPMONITOR.CURRENTTEST.R](#) , 192.491(c) (192.465(b))

**Question Text** *Do records document details of electrical checks of sources of rectifiers or other impressed current sources?*

**Result** --

Assets Covered (none)

**Result** **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 67755

**Result Notes** Numerous low off reads in Oregon, GTN uses the 100mV shift for compliance. Ground beds in this area are reaching their useful life and are scheduled for replacement in 2015

2014 CP improvements  
Gilchrist  
Sandcreek CPS  
Taylor springs  
Baseline road  
Cackman

2013 CP improvements  
Rathdrum  
CS6 upgrade  
CS7  
CS8  
CS9  
Baker Road CPS  
Meadow Creek  
32 Avenue (MP115.6)  
Landcaster Sales Meter  
Coyote Springs  
Hannipan (MP368)

**Result** **Sat**

Assets Covered Unit 3685

Result Notes Upon investigation Borders West Region GTN South (Oregon) Cathodic Protection 2011-2013 Report Book indicated that Rectifier 1: Willowdale [Entity #2008525] was found not working. On Rectifier 1: Paunina [Entity #2008657] was found not working as well. Corrective work orders were requested for both of these rectifiers. According to the work order for Rectifier 1: Willowdale the rectifier was found with no power during bi-monthly check. The utility was called and they replaced a blown fuse on the power pole. they also replaced transformer and front face plate in rectifier. The reason for the failure was sighted as lightning or power surge. Rectifier 1: Paunina was found not working while doing M2 readings per the work order work description. They replaced blown fuse and power surge supsressor. The reason for the failure was sighted as lightning or power surge. In both of these cases the records document the details of electrical checks and repairs of these rectifiers.

How long were these rectifiers down after their initial discovery and were work orders that were reportedly started actually implemented?

Answer:

Willowdale estimated out of service 14days due to lightning storm. Utility restored power on or about Sept. 1, 2011, one day after discovery.

Paunina estimated out of service about 40days. Repaired February 16, 2012.

Result **Sat**

Assets Covered Unit 3605

Result Notes Reviewed Wallual District CP records from 2011 thru 2013 including:  
(15) Rectifier Stations,  
(6) Anode Flex sites,  
(2) Compressor Stations, and  
(5) Test Stations on the A-Line & B-Line.  
(ALJ 5/21/2014)

Temporary Inspector Notes (none)

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#### TD.CPEXPOSED: External Corrosion - Exposed Pipe

Question ID, References [TD.CPEXPOSED.EXTCORRODREPAIR.R](#) , 192.491(c) (192.485(a); 192.485(b); 192.485(c))

Question Text *Do records document the repair or replacement of pipe that has been externally corroded to an extent that there is not sufficient remaining strength in the pipe wall?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**TD.CPMONITOR: External Corrosion - CP Monitoring**

**Question ID, References** [TD.CPMONITOR.CURRENTTEST.O](#) , 192.465(b) (also presented in: ALO.TD)

Question Text *Are impressed current sources properly maintained and are they functioning properly?*

**Result** **Sat**

Assets Covered Unit 3695

Result Notes

Rectifier:

2.6-1-R 4 rectifiers in one all were in good working order.

46.7-1-R 25.2 mV, 2.0 Amps

46.7-2-R 16mV, 1.2 Amps

MP13.66 3.892V; 0.4 Amps

087.6-1-R

#1 102.5 V; 0.9 Amps

#2 9.2V; 0.4 Amps

#3 26.1 V; 0.9 Amps

#4 22.7 V; 1.3 Amps

#5 29.8V; 0.3 Amps

Temporary Inspector Notes (none)

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**TD.CPEXPOSED: External Corrosion - Exposed Pipe**

**Question ID, References** [TD.CPEXPOSED.RECORDS.R](#) , 192.491(a)

Question Text *Do records indicate the location of all items listed in 192.491(a)?*

**Result** **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**TD.CPMONITOR: External Corrosion - CP Monitoring**

**Question ID, References** [TD.CPMONITOR.REVCURRENTTEST.R](#) , 192.491(c) (192.465(c))

Question Text *Do records document details of electrical checks interference bonds, diodes, and reverse current switches?*

**Result Sat**

Assets Covered Unit 66685, Unit 3605

Result Notes Reviewed the one bond station for the Rosalia District from 2011 thru 2013. (ALJ 4/21/2014)

**Result Sat**

Assets Covered Unit 3695, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [TD.CPMONITOR.DEFICIENCY.R](#) , 192.491(c) (192.465(d))

Question Text *Do records adequately document actions taken to correct any identified deficiencies in corrosion control?*

**Result Sat**

Assets Covered Unit 66685, Unit 3605

Result Notes At Rosalia Station Compressor Station #6 ((3108100+000.016-TS) the B Line D/S Blow Down Valve #59 has recorded low pipe-to-soil off reading for:

2011 at -0.547 vDC,  
2012 at -0.522 vDC, and  
2013 at -0.787 vDC.

Established native value at 0.542 vDC (Oct 2006)

Need to locate remediation work order and work preformed. Remediation documents were located work preformed including 6/28/2013 Corrpro added two anodes and 500 LF header cable. Testing completed 4/11/2013 by Corrpro for CP load design. Field investigation for low CP on 2/6/2012 was completed. Low CP reading were identified in 8/24/2011. A second field survey for load design was completed April 2014. Additional remediation will be completed in Fall 2014.  
(ALJ 5/21/2014)

**Result Sat**

Assets Covered Unit 3695, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [TD.CPMONITOR.TESTLEAD.R](#) , 192.491(c) (192.471(a); 192.471(b); 192.471(c); 192.469)

Question Text *Do records document that pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I?*

**Result Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [TD.CPMONITOR.TESTLEAD.O](#) , 192.471(a) (192.471(b); 192.471(c); 192.469) (also presented in: ALO.TD)

Question Text *Do pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [TD.CPMONITOR.INTFRCURRENT.R](#) , 192.491(c) (192.473(a))

Question Text *Do records document that the operator has minimized the detrimental effects of stray currents when found?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [TD.CPMONITOR.INTFRCURRENT.O](#) , 192.473(a) (also presented in: ALO.TD)

Question Text *Are areas of potential stray current identified, and if found, the detrimental effects of stray currents minimized?*

Result **Sat**

Assets Covered Unit 3695

Temporary Inspector Notes (none)

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**Question ID, References** [TD.CPMONITOR.RECORDS.R](#) , 192.491(a)

Question Text *Do records indicate the location of all items listed in 192.491(a)?*

Result **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**TD.ATM: External Corrosion - Atmospheric**

**Question ID, References** [TD.ATM.ATMCORRODE.R](#) , 192.491(c) (192.479(a); 192.479(b); 192.479(c))

Question Text *Do records document the protection of above ground pipe from atmospheric corrosion?*

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3695, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [TD.ATM.ATMCORRODEINSP.R](#) , 192.491(c) (192.481(a); 192.481(b); 192.481(c))

Question Text *Do records document inspection of aboveground pipe for atmospheric corrosion?*

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3695, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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## TD.COAT: External Corrosion - Coatings

**Question ID, References** [TD.COAT.EXPOSEINSPECT.O](#) , 192.459

Question Text *Is exposed buried pipe coating inspected to determine if it is deteriorating?*

Result **Sat**

Assets Covered Unit 3695

Result Notes Pipe coating is examined during each event that requires the pipe be excavated.

Observed SCC Dig #5 DMS21421 in Idaho 40 foot stick examined from weld to weld for SCC using black on white Mag Particle testing. Site also contained an identified External Corrosion anomaly ILI called out 18% metal loss, actual anomaly was ~5% metal loss contained in an area of general corrosion. Light pitting visible over entire 40 foot stick of 0.438 wt A-line pipe.

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605

Result **Sat**

Assets Covered Unit 3685

Temporary Inspector Notes (none)

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### TD.CP: External Corrosion - Cathodic Protection

**Question ID, References** [TD.CP.ELECSOLATE.O](#) , 192.467(a) (192.467(b); 192.467(c); 192.467(d); 192.467(e)) (also presented in: ALO.TD)

Question Text *Are measures performed to ensure electrical isolation of each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit?*

Result **Sat**

Assets Covered Unit 3695

Result Notes Eastport MP0.2:

A: -2012mV; Casing -0584mV

B: -2040mV; Casing -0689mV

MP10.6:

A: -1658mV; Casing -0376mV

B: -1840mV; Casing -0227mV

Sandpoint MS: TP1 Inlet: -1548mV; TP3 MS -0221mV; TP4 Outlet (Avista) -1233mV

Dover Bay MS: Inlet -1330mV; Outlet (TCPL/Avista) -1360mV/-1680mV

Sagle MS: Inlet -3280mV; Outlet (Avista) -1468mV

Athol MS: TP 1 inlet -2050mV; TP2 MS -395mV; TP3 MS -412mV; TP4 Outlet (Avista) -1281mV

Rathdrum MS Power Plant: Inlet Heater -2411mV; **Outlet MS -2011mV/ Avista -2013mV** **Delivery point is shorted and not isolated from customer. Both are protected, however Isolation needs to be reestablished.**

Rathdrum MS LDC: TP1 inlet -4150mV; TP2 MS -3303mV; TP5 inlet -5263mV; TP6 MS -4168; **TP3 MS outlet -2374mV; TP4 outlet (Avista) -2374mV.** **Delivery point is shorted and not isolated from customer. Both are protected, however Isolation needs to be reestablished.**

Temporary Inspector Notes (none)

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**TD.ICP: Internal Corrosion - Preventive Measures**

**Question ID, References** [TD.ICP.CORRGAS.R](#) , 192.491(c) (192.475(a))

Question Text *Do records document if corrosive gas is being transported by pipeline, including the investigation of the corrosive effect of the gas on the pipeline and steps that have been taken to minimize internal corrosion?*

**Result** **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. GTN does not Transport Corrosive gas.

Temporary Inspector Notes (none)

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**Question ID, References** [TD.ICP.CORRGASPRVNT.R](#) , 192.491(c) (192.475(a))

Question Text *If the transportation of corrosive gas is not allowed, then do records document actions taken to prevent the transportation of corrosive gas?*

**Result** **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes Review several dates for gas quality data, all values within tariff specification.  
January 1, 2011; June 6, 2011; July 4, 2012; December 22, 2012

Temporary Inspector Notes (none)

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**Question ID, References** [TD.ICP.CORRGASACTION.R](#) , 192.491(c) (192.477)

Question Text *Do records document the actions taken when corrosive gas is being transported by pipeline?*

**Result** **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. GTN does not Transport Corrosive gas.

Temporary Inspector Notes (none)

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**Question ID, References** [TD.ICP.EXAMINE.R](#) , 192.491(c) (192.475(a); 192.475(b))

Question Text *Do records document examination of removed pipe for evidence of internal corrosion?*

**Result** **Sat**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [TD.ICP.EVALUATE.R](#) , 192.491(c) (192.485(c))

Question Text *Do records document adequate evaluation of internally corroded pipe?*

**Result** **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No internally corroded pipe has been found on the GTN system.

Temporary Inspector Notes (none)

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**Question ID, References** [TD.ICP.REPAIR.R](#) , 192.485(a) (192.485(b))

Question Text *Do records document the repair or replacement of pipe that has been internally corroded to an extent that there is not sufficient remaining strength in the pipe wall?*

**Result** **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No internally corroded pipe has been found on the GTN system.

Temporary Inspector Notes (none)

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## **TD.SCC: Stress Corrosion Cracking**

**Question ID, References** [TD.SCC.SCCIM.R](#) , 192.947(d) (192.917(a)(1))

Question Text *Do integrity management program records document results of studies to identify and evaluate stress corrosion cracking threats to each covered pipeline segment?*

**Result** **Concern**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary (none)

The following notes are not part of the inspection record and will not be retained after the inspection is locked.

Jason Dunphy (All Questions) **Where are the eight planned directexaminations located by state and nearest town? (AI's question).**  
**SCC AICM is not approved yet. Review TEP.**

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**Question ID, References** [TD.SCC.SCCEXTENT.P](#) , 192.911(c) (192.917(e)(5))

Question Text *Does the integrity management program have a process requiring all pipeline segments (both covered and non- covered) with similar material coating and environmental characteristics be evaluated and remediated for SCC if injurious SCC is identified on a covered pipeline segment?*

**Result** **Concern**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Summary (none)

Result Notes Waiting on AICM Procedure clarification on AICM to PHMSA - Steve Nanny is PHMSA Lead

Temporary Inspector Notes (none)

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**Question ID, References** [TD.SCC.SCCREPAIR.R](#) , 192.709(a) (192.703(b))

Question Text *Do records document that the operator has properly remediated any occurrences of SCC?*

**Result** **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No SCC has been discovered in the GTN system to date.

Temporary Inspector Notes (none)

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#### **TQ.QUOMCONST: Qualification of Personnel - Specific Requirements (O and M Construction)**

**Question ID, References** [TQ.QUOMCONST.WELDER.O](#) , 192.227(a) (192.227(b); 192.229(a); 192.229(b); 192.229(c); 192.229(d); 192.805(h); 192.807(a); 192.328(a); 192.328(b))

Question Text *Do welders demonstrate adequate skills and knowledge?*

**Result** **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such activity/condition was observed during the inspection. No welding was observed during the inspection.

Temporary Inspector Notes (none)

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**Question ID, References** [TQ.QUOMCONST.NDT.O](#) , 192.243(b)(2) (192.807(a); 192.328(a); 192.328(b))

Question Text *Do nondestructive testing personnel demonstrate adequate skills and knowledge?*

**Result Concern**

Assets Covered Unit 3695

Summary (none)

Result Notes Ask for NDT Tech Quals from Idaho digs

**Result Sat**

Assets Covered Unit 66685

**Result Sat**

Assets Covered Unit 3605

**Result NA**

Assets Covered Unit 3685

Result Notes No such activity/condition was observed during the inspection. No NDE/NDT was observed.

Temporary Inspector Notes (none)

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### TQ.QU: Qualification of Personnel - Specific Requirements

**Question ID, References** [TQ.QU.HOTTAPQUAL.O](#) , 192.627 (192.805(h))

Question Text *Do personnel performing hot taps demonstrate adequate skills and knowledge?*

**Result NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No Construction was observed during the inspection.

Temporary Inspector Notes (none)

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**Question ID, References** [TQ.QU.EXCAVATE.O](#) , 192.805(b) (192.805(h); ADB-06-01; 192.801(a); 192.328(a); 192.328(c))

Question Text *Do individuals who oversee marking, trenching, and backfilling operations demonstrate adequate skills and knowledge?*

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605

Result **NC**

Assets Covered Unit 3695, Unit 3685

Result Notes No opportunities for observation were available.

Temporary Inspector Notes (none)

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#### TQ.TR: Training of Personnel

**Question ID, References** [TQ.TR.TRAINING.O](#) , 192.615(b)(2) (192.805(b))

Question Text *Do emergency response personnel demonstrate adequate skills and knowledge?*

Result **Sat**

Assets Covered Unit 3695, Unit 3685

Result Notes Emergency response of compressor station personnel was discussed.

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3605

Temporary Inspector Notes (none)

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#### TQ.PROT9: OQ Protocol 9

**Question ID, References** [TQ.PROT9.TASKPERFORMANCE.O](#) , 192.801(a) (192.809(a)) (also presented in: ALO.PROT9)

Question Text *Verify the qualified individuals performed the observed covered tasks in accordance with the operator's procedures or operator approved contractor procedures.*

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered (none)

Result **Sat**

Assets Covered Unit 3605

Result **Sat**

Assets Covered Unit 3695, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [TQ.PROT9.QUALIFICATIONSTATUS.O](#) , 192.801(a) (192.809(a)) (also presented in: ALO.PROT9)

Question Text *Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks.*

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered (none)

Result **Sat**

Assets Covered Unit 3605

Result **Sat**

Assets Covered Unit 3695, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [TQ.PROT9.AOCRECOG.O](#) , 192.801(a) (192.809(a)) (also presented in: ALO.PROT9)

Question Text *Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed.*

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered Unit 3695, Unit 3685

Result **Sat**

Assets Covered Unit 3605

Temporary Inspector Notes (none)

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**Question ID, References** [TQ.PROT9.VERIFYQUAL.O](#) , 192.801(a) (192.809(a)) (also presented in: ALO.PROT9)

Question Text *Verify the qualification records are current, and ensure the personal identification of all individuals performing covered tasks are checked, prior to task performance.*

Result **Sat**

Assets Covered Unit 66685

Result **Sat**

Assets Covered (none)

Result **Sat**

Assets Covered Unit 3605

Result **Sat**

Assets Covered Unit 3695, Unit 3685

Temporary Inspector Notes (none)

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**Question ID, References** [TQ.PROT9.CORRECTION.O](#) , 192.801(a) (192.809(a)) (also presented in: ALO.PROT9)

Question Text *Have potential issues identified by the headquarters inspection process been corrected at the operational level?*

Result **NA**

Assets Covered Unit 3695, Unit 66685, Unit 3605, Unit 67755, Unit 3685

Result Notes No such requirement existed in the scope of inspection review.

Temporary Inspector Notes (none)

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