

# Inspection Output (IOR)

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## Inspection Information

Inspection Name	8030 Avista Colville	Operator(s)	AVISTA CORP (31232)	Plan Submitted	01/29/2020
Status	PLANNED	Lead	Anthony Dorrrough	Plan Approval	01/29/2020 by Joe Subits
Start Year	2020	Supervisor	Joe Subits	All Activity Start	04/21/2020
System Type	GD	Director	Sean Mayo	All Activity End	08/28/2020
Protocol Set ID	GD.2020.01			Inspection Submitted	--
				Inspection Approval	--

## Inspection Summary

### Scope and Summary:

*This Standard Comprehensive Gas Distribution inspection covered records review questions and a pipeline field review, as well as related questions that included WAC requirements. The last Standard GD inspection of this unit was performed 4/10 thru 7/26/2018 with no recommended follow up actions. A verbal exit interview was conducted on 8/27/2020 with Randy Barieither/ Avista Pipeline Safety Engineer (509) 495-4261*

*A portion of this inspection was conducted Tue-4/21 online via a Microsoft Teams Meeting due to COVID-19 restrictions. This part of the inspection covered a pre-selected portion of records review questions that were completed by Avista prior to the online meeting and emailed to staff for review. During the meeting staff was able to ask further questions and request greater detail with Avista SME included in the discussion.*

The field verification portion of this inspection was moved to Tue-8/25 thru Fri-8/28 due to COVID-19 restrictions. This part of the inspection covered a brief review of distribution pipeline records located only at the Colville district office, afterwards staff conducted field reviews of both distribution and transmission pipelines.

### Dates and Activities:

*Tue-8/25 --Travel to Colville Dist. Office (176 Degrief Rd, Colville WA 99114)*

*Wed-8/26 -- Records review and distribution pipeline field review, including all rectifiers, bridge crossings, casings and regulator stations.*

*Thu-8/27 -- Transmission pipeline field review, including selected casings, bridge crossings, regulator stations, rectifiers and a gate station.*

*Fri-8/28 -- Travel to Shelton (2121 W. Hurley Waldrip Rd, Shelton WA 98584)*

### Summary of Significant Findings:

No apparent violations of federal or state code  
No areas of concern identified

### Primary operator contacts/participants in the inspection:

*Randy Bareither/ Pipeline Safety Engineer (509) 434-6783*

*Bob Larson/ CP Technician (509) 981-4748*

*Paul Good/ Operations Manager (208) 929-1132*

**Recommended follow up actions for next inspection:**

No recommended follow up actions needed.

## Scope (Assets)

#	Short Label	Long Label	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Total Inspected	Required % Complete
1.	Colville	1789 Colville	other	--	Storage Fields Bottle/Pipe - Holders Offshore GOM OCS Cast or Ductile Iron Copper Pipe Aluminum/Amphoteric	101	101	101	100.0%

1. Percent completion excludes unanswered questions planned as "always observe".

## Plans

#	Plan Assets	Focus Directives	Involved Groups/Subgroups	Qst Type(s)	Extent	Notes
1.	Colville	n/a	PRR, FR	P, R, O, S	Detail	

## Plan Implementations

#	Activity Name	SMART Act#	Start Date End Date	Focus Directives	Involved Groups/Subgroups	Assets	Qst Type(s)	Planned	Required	Total Inspected	Required % Complete
1	Colville Office Records	--	04/21/2020 04/22/2020	n/a	all planned questions	all assets	all types	101	101	101	100.0%
2	Colville Field	--	08/25/2020 08/28/2020	n/a	all planned questions	all assets	all types	101	101	101	100.0%

1. Since questions may be implemented in multiple activities, but answered only once, questions may be represented more than once in this table.

2. Percent completion excludes unanswered questions planned as "always observe".

## Forms

No.	Entity	Form Name	Status	Date Completed	Activity Name	Asset
1.	Attendance List	Colville Office Records	COMPLETED	10/20/2020	Colville Field	Colville

## Results (all values, 101 results)

106 (instead of 101) results are listed due to re-presentation of questions in more than one sub-group.

## PRR.REPORT: Reporting

1. Question Result, ID, References **NA, RPT.RR.IMMEDREPORT.R, 191.5(a) (191.7(a), 191.7(d))**  
 Question Text *Do records indicate immediate notifications of incidents were made in accordance with 191.5?*  
 Assets Covered **Colville**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No Federal Reportable Incidents for Colville District in 2018 or 2019. A total of (0) State Reportables in 2018 and (0) in 2019 for Colville District**
  
2. Question Result, ID, References **NA, RPT.RR.INCIDENTREPORT.R, 191.9(a)**  
 Question Text *Do records indicate reportable incidents were identified and reports were submitted to DOT on Form 7100.1 within the required time frame?*  
 Assets Covered **Colville**  
 Result Notes **No such activity/condition was observed during the inspection.**
  
3. Question Result, ID, References **NA, RPT.RR.INCIDENTREPORTSUPP.R, 191.9(b)**  
 Question Text *Do records indicate accurate supplemental incident reports were filed and within the required timeframe?*  
 Assets Covered **Colville**  
 Result Notes **No such activity/condition was observed during the inspection.**
  
4. Question Result, ID, References **Sat, RPT.RR.ANNUALREPORT.R, 191.11(a)**  
 Question Text *Have complete and accurate Annual Reports been submitted?*  
 Assets Covered **Colville**
  
5. Question Result, ID, References **Sat, GDIM.RR.MECHANICALFITTINGDATAIMPL.R, 192.1009 (191.12)** (also presented in: GDIM.IMPL)  
 Question Text *Have accurate records been maintained documenting mechanical fitting failures that resulted in hazardous leaks?*  
 Assets Covered **Colville**
  
6. Question Result, ID, References **NA, RPT.RR.SRCR.R, 191.23(a) (191.23(b), 191.25(a), 191.25(b))**  
 Question Text *Do records indicate safety-related condition reports were filed as required?*  
 Assets Covered **Colville**  
 Result Notes **No such activity/condition was observed during the inspection.**
  
7. Question Result, ID, References **Sat, 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?*  
 Assets Covered **Colville**  
 Result Notes **New Avista customers get a "New Customer Packet" within 90 days of establishing service. See inspection report for a copy of one of the documents within the packet (Form N-2645).**

## PRR.CORROSION: Corrosion Control

8. Question Result, ID, References **Sat, TQ.QU.CORROSION.R, 192.453 (192.807(a), 192.807(b))**  
 Question Text *Do records indicate qualification of personnel implementing pipeline corrosion control methods?*  
 Assets Covered **Colville**  
 Result Notes **CP design, installation, operation and maintenance is carried out under the supervision of the CP Foreman, who is qualified by virtue of his NACE Cathodic Protection Specialist certification. See inspection report for copies of Avista personnel NACE certifications.**  
 Notes: CP Design, installation, operation and maintenance is carried out under the supervision of Gary Douglas, CP Foreman, who is "qualified in pipeline corrosion control methods" by virtue of his NACE Cathodic Protection Specialist (NACE Level 4) Certification. [Current certification document is in quick reference binder and expires on 5/31/20] See Gas Standards, Spec. 2.32, "General" for guidance. (Each CP Tech can show their individual NACE qualifications as well which correspond to various CP OQ Tasks in

Spec. 4.31, Appendix A.) Randy can provide a copy of Gary Douglas or other CP Tech NACE Qualifications. Plan to email this to Tony.

9. Question Result, ID, References **Sat, TD.CP.RECORDS.R, 192.491(a)**  
Question Text *Do records indicate the location of all items listed in 192.491(a)?*  
Assets Covered **Colville**
10. Question Result, ID, References **Sat, TD.CP.MONITOR.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?*  
Assets Covered **Colville**  
Result Notes **All rectifiers get an inspection bi-monthly not to exceed 2.5 months. Staff reviewed extracted data provided by Avista in order to verify.**
11. Question Result, ID, References **Sat, TD.CP.EXPOSED.EXPOSEINSPECT.R, 192.491(c) (192.459)**  
Question Text *Do records adequately document that exposed buried piping was examined for corrosion?*  
Assets Covered **Colville**  
Result Notes **All exposed steel piping gets an "Exposed Pipe Inspection Report". A Pipe to Soil reading is only taken if steel is exposed. Staff reviewed extracted data provided by Avista in order to verify.**
12. Question Result, ID, References **Sat, TD.CP.MONITOR.TEST.R, 192.491(c) (192.465(a))**  
Question Text *Do records adequately document cathodic protection monitoring tests have occurred as required?*  
Assets Covered **Colville**
13. Question Result, ID, References **Sat, TD.CP.MONITOR.REVCURRENTTEST.R, 192.491(c) (192.465(c))**  
Question Text *Do records document details of electrical checks interference bonds, diodes, and reverse current switches?*  
Assets Covered **Colville**
14. Question Result, ID, References **Sat, TD.CP.MONITOR.DEFICIENCY.R, 192.491(c) (192.465(d))**  
Question Text *Do records adequately document actions taken to correct any identified deficiencies in corrosion control?*  
Assets Covered **Colville**  
Result Notes **Avista takes "prompt remedial action to correct any deficiencies indicated by the monitoring" They remediate issues within 90 days unless circumstances are extenuating whereby they allow 120 days. For this inspection cycle there were no low reads or records to review for the Colville district.**
15. Question Result, ID, References **NA, TD.CP.UNPROTECT.R, 192.491(c) (192.465(e))**  
Question Text *Do records adequately document that exposed buried piping was examined for corrosion and deteriorated coating?*  
Assets Covered **Colville**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. For this inspection cycle there were no unprotected pipelines discovered for the Colville district.**
16. Question Result, ID, References **Sat, TD.CP.ELECISOLATE.R, 192.491(c) (192.467(a), 192.467(b), 192.467(c), 192.467(d), 192.467(e))**  
Question Text *Do records adequately document electrical isolation of each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit?*  
Assets Covered **Colville**  
Result Notes **Pipes in casings are isolated with "thinsulators" and casings/carrier pipes are tested annually to verify isolation. Staff reviewed extracted data provided by Avista in order to verify.**

17. Question Result, ID, References **Sat, TD.CPMONITOR.TESTSTATION.R, 192.469**  
 Question Text *Do records identify the location of test stations and show a sufficient number of test stations?*  
 Assets Covered **Colville**
18. Question Result, ID, References **Sat, TD.CPMONITOR.TESTLEAD.R, 192.491(c) (192.471(a), 192.471(b), 192.471(c))**  
 Question Text *Do records document that pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart I?*  
 Assets Covered **Colville**  
 Result Notes **See Spec. 3.12, "Test Leads" and "CADWELD PROCEDURE", for Avista's procedures regarding installation of test leads. Installed pipelines are pressure tested and all details of installation are attested to have followed Avista's Gas Standards. (See pressure test sticker in Spec. 3.18)**
19. Question Result, ID, References **NA, TD.CPMONITOR.INTFRCURRENT.R, 192.491(c) (192.473(a))**  
 Question Text *Do records document an effective program is in place to minimize detrimental effects of interference currents and that detrimental effects of interference currents from CP systems on other underground metallic structures are minimized?*  
 Assets Covered **Colville**  
 Result Notes **Procedure in Spec. 2.32 "System Isolation" appears to be effective. For this inspection cycle there were no interference currents discovered in the Colville district.**
20. Question Result, ID, References **NA, TD.ICP.CORRGAS.R, 192.491(c) (192.475(a))**  
 Question Text *Do the records demonstrate that the corrosive effect of the gas in the pipeline has been investigated and if determined to be corrosive, steps be taken to minimize internal corrosion?*  
 Assets Covered **Colville**  
 Result Notes **The Colville district pipeline system utilizes non-corrosive gas, verified by staff.**
21. Question Result, ID, References **Sat, 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?*  
 Assets Covered **Colville**
22. Question Result, ID, References **NA, 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?*  
 Assets Covered **Colville**  
 Result Notes **The Colville district pipeline system utilizes non-corrosive gas, verified by staff.**
23. Question Result, ID, References **Sat, 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?*  
 Assets Covered **Colville**  
 Result Notes **AC Program is managed by Jenn Massey. AC inspections occur every three years not to exceed 39 months. Every year we survey one third of the State. The AC Program surveys all meters and idle risers using a contractor. Reg stations are AC inspected annually during the regulator maintenance. Farm taps (SSFTs) are surveyed every three years NTE 39 months by pressure control folks. Jenn can provide if desired the 1/3 polygons in each area which documents what areas got inspected and when if PUC desires to see these. Provide extract of all AC inspections (SRs) that occurred in 2018 and 2019 (Bonnie or Beth) that have issues that needed mitigation with comments... Switched to 1/3 polygon areas – Since 2016 but used to do entire district, but to level out work flow**
- business process improvement. Built apps including photo audit tool – pict of service/point meter/AOC's Photo Audit Tool since last five years. They do 100% audit on all AOC's identified. 134 follow up issues for 2018-2019**
24. Question Result, ID, References **Sat, TD.COAT.NEWPIPE.R, 192.491(c) (192.455(a), 192.461(a), 192.461(b), 192.483(a))**

Question Text *Do records document that each buried or submerged pipeline installed after July 31, 1971 has been externally coated with a suitable coating material?*

Assets Covered Colville

Result Notes Staff reviewed extracted data provided by Avista in order to verify. See inspection report for copy of a CML report.

25. Question Result, ID, References NA, 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?*

Assets Covered Colville

Result Notes For this inspection cycle there were no internally corroded pipelines discovered in the Colville district.

26. Question Result, ID, References NA, TD.ICP.EVALUATE.R, 192.491(c) (192.485(c))

Question Text *Do records document adequate evaluation of internally corroded pipe?*

Assets Covered Colville

Result Notes For this inspection cycle there were no internally corroded pipelines discovered in the Colville district.

## PRR.PT: Pressure Test

27. Question Result, ID, References Sat, DC.PTLOWPRESS.PRESSTESTLOWSTRESS.R, 192.517(a) (192.507(a), 192.507(b), 192.507(c))

Question Text *Do records indicate that pressure testing is conducted in accordance with 192.507?*

Assets Covered Colville

28. Question Result, ID, References Sat, DC.PTLOWPRESS.PRESSTEST100PSIG.R, 192.517(b) (192.509(a), 192.509(b))

Question Text *Do records indicate that pressure testing is conducted in accordance with 192.509(a)?*

Assets Covered Colville

29. Question Result, ID, References Sat, DC.PT.SERVICELINE.R, 192.517(b) (192.511(a), 192.511(b), 192.511(c))

Question Text *Do records indicate that pressure testing is conducted in accordance with 192.511?*

Assets Covered Colville

30. Question Result, ID, References Sat, DC.PT.PRESSTESTPLASTIC.R, 192.517(b) (192.513(a), 192.513(b), 192.513(c), 192.513(d))

Question Text *Do records indicate that pressure testing is conducted in accordance with 192.513?*

Assets Covered Colville

## PRR.UPRATE: Uprating

31. Question Result, ID, References NA, MO.GOUPRATE.MAOPINCREASE.R, 192.553(a) (192.553(b), 192.553(c))

Question Text *Do records indicate that increases in MAOP of pipeline were determined in accordance with 192.553?*

Assets Covered Colville

Result Notes For this inspection cycle there were no MAOP pressure increases for the Colville district.

32. Question Result, ID, References NA, MO.GOUPRATE.MAOPINCREASELIMIT.R, 192.553(b) (192.553(c), 192.553(d), 192.557(a))

Question Text *Do records indicate that increases in MAOP are limited in accordance with 192.619 and 192.621?*

Assets Covered Colville

Result Notes For this inspection cycle there were no MAOP pressure increases for the Colville district.

33. Question Result, ID, References NA, MO.GOUPRATE.MAOPINCREASEPREP.R, 192.553(b) (192.553(c), 192.553(a), 192.557(b), 192.557(c))

Question Text *Do records indicate that increases in MAOP were preceded by the actions specified in 192.557?*

Assets Covered Colville

Result Notes For this inspection cycle there were no MAOP pressure increases for the Colville district.

## PRR.OM: Operations And Maintenance

34. Question Result, ID, References **Sat, MO.GO.OMANNUALREVIEW.R, 192.605(a)**  
Question Text *Have annual reviews of the written procedures or processes in the manual been conducted as required?*  
Assets Covered **Colville**
35. Question Result, ID, References **Sat, 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?*  
Assets Covered **Colville**
36. Question Result, ID, References **Sat, 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 processes used in normal operations and maintenance and modifying the processes when deficiencies are found?*  
Assets Covered **Colville**  
Result Notes **Procedures are reviewed as part of Annual Review of O&M. Additionally, the QA/QC Program does such reviews. (Per Spec. 4.61, "The QA/QC Program is structured to meet the following objectives: Identifying areas in which the Company's standards may need to be updated or clarified." If updates are necessary, QA/QC personnel will submit a Recommend Change Sheet to Gas Standards) Local Construction Managers receive copies of such reviews for their personnel and contractors working in their construction areas. These are kept at: c01m363\Gas Compliance Documentation\Quality Assurance\2018 QA\2018 Washington Audits. Additionally, a new form (N-2712 (6/16)) was launched in 2016 called the "Normal & Emergency Procedures Evaluation (Field Verification). Forms are kept on the Gas Wiki website.**
37. Question Result, ID, References **NA, 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 processes and corrective action taken where deficiencies are found?*  
Assets Covered **Colville**  
Result Notes **The Colville district operates a distribution system in connection with transmission lines, but is not a transmission line itself, so this rule does not apply.**
38. Question Result, ID, References **Sat, PD.OC.PDPROGRAM.R, 192.614(c)**  
Question Text *Does the damage prevention program meet minimum requirements specified in 192.614(c)?*  
Assets Covered **Colville**  
Result Notes **Linda managed since 2016 – covers all states**  
  
**Low damages – rural area approx. 4500 locates a year (gas & elec)**
39. Question Result, ID, References **NA, MO.GOCLASS.CLASSLOCATESTUDY.R, 192.605(b)(1) (192.609(a), 192.609(b), 192.609(c), 192.609(d), 192.609(e), 192.609(f))**  
Question Text *Do records indicate performance of the required study whenever the population along a pipeline increased or there was an indication that the pipe hoop stress was not commensurate with the present class location?*  
Assets Covered **Colville**  
Result Notes **This rule applies to pipeline systems that are > 20% SMYS, as of this inspection cycle there no pipelines > 20% SMYS in the Colville district.**
40. Question Result, ID, References **Sat, 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?*  
Assets Covered **Colville**
41. Question Result, ID, References **Sat, 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?*

Assets Covered Colville

42. Question Result, ID, Sat, EP.ERG.LIAISON.R, 192.605(a) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4),  
References 192.616(c), ADB-05-03) (also presented in: MISCTOPICS.PUBAWARE)  
Question Text *Do records indicate liaisons established and maintained with appropriate fire, police and other public officials and utility owners in accordance with procedures?*  
Assets Covered Colville
43. Question Result, ID, Sat, PD.PA.LANGUAGE.R, 192.616(g) (API RP 1162 Section 2.3.1) (also presented in:  
References MISCTOPICS.PUBAWARE)  
Question Text *Were materials and messages developed and delivered in other languages commonly understood by a significant number and concentration of non-English speaking populations in the operator's areas?*  
Assets Covered Colville
44. Question Result, ID, Sat, PD.PA.EVALEFFECTIVENESS.R, 192.616(c) (API RP 1162 Section 8.4) (also presented in:  
References MISCTOPICS.PUBAWARE)  
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?*  
Assets Covered Colville  
Result Notes Effectiveness Evaluation was begun by Culver Company in 2017 and wrapped up in 2018
45. Question Result, ID, NA, PD.PA.MSTRMETER.R, 192.616(j) (192.616(h), API RP 1162 Section 2.7 (Step 12), API RP 1162  
References Section 8.5) (also presented in: MISCTOPICS.PUBAWARE)  
Question Text *Do records indicate the public awareness program for a master meter or petroleum gas system operator has met the requirements of Part 192?*  
Assets Covered Colville  
Result Notes As of this inspection cycle and where it pertains to the Colville district, Avista is not a Master Meter operator. NA. Avista is not a Master Meter Operator.
46. Question Result, ID, Sat, EP.ERG.INCIDENTANALYSIS.R, 192.605(a) (192.617)  
References  
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?*  
Assets Covered Colville
47. Question Result, ID, Sat, MO.GOMAOP.MAOPDETERMINE.R, 192.619(a) (192.619(b), 192.621(a), 192.621(b), 192.623(a),  
References 192.623(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?*  
Assets Covered Colville  
Result Notes Have digitized all HP records – and will be held in a central document management system.
48. Question Result, ID, Sat, MO.GOODOR.ODORIZE.R, 192.709(c) (192.625(a), 192.625(b), 192.625(c), 192.625(d),  
References 192.625(e), 192.625(f))  
Question Text *Do records indicate appropriate odorization of its combustible gases in accordance with its processes and conduct of the required testing to verify odorant levels met requirements?*  
Assets Covered Colville
49. Question Result, ID, NA, MO.RW.TRANSPATROL.R, 192.709(c) (192.705(a), 192.705(b), 192.705(c))  
References  
Question Text *Do records indicate that transmission line ROW surface conditions have been patrolled as required?*  
Assets Covered Colville  
Result Notes A scheduled Avista Transmission inspection will cover this portion of the records review later in the year.
50. Question Result, ID, NA, MO.RW.TRANSLEAKAGE.R, 192.709(c) (192.706, 192.706(a), 192.706(b))  
References  
Question Text *Do records indicate transmission leakage surveys conducted as required?*  
Assets Covered Colville  
Result Notes A scheduled Avista Transmission inspection will cover this portion of the records review later in the year.



51. Question Result, ID, References **Sat, MO.RW.DISTPATROL.R, 192.603(b) (192.721(a), 192.721(b))**  
 Question Text *Do records indicate distribution patrolling was conducted as required?*  
 Assets Covered **Colville**
52. Question Result, ID, References **Sat, MO.RW.DISTPATROLLEAKAGE.R, 192.603(b) (192.723(a), 192.723(b))**  
 Question Text *Do records indicate distribution leakage surveys were conducted as required?*  
 Assets Covered **Colville**  
 Result Notes **Jenn Massey or her direct reports help show this. Compliance Techs assist as applicable. This reference is for DISTRIBUTION. Jenn can start out showing the leak survey polygons (5-years) and then a possible demonstration of the Leak Survey Map Viewer Tool including areas that require an annual inspection and how this is managed. Show leaks that were found from an extract from the Leak Survey Dispatch Application (Maximo). Have auditors "spot check" the leaks and show what was done from the extracts provided by Compliance Tech from Maximo. Show the last time that location was surveyed whether annual (LS Map Viewer Tool) or a five year (LS Map Viewer Tool) if asked. Can show compliance of last annual or 5-year survey in the Leak Survey Tool**
53. Question Result, ID, References **Sat, AR.RMP.TESTREINSTATE.R, 192.603(b) (192.725(a), 192.725(b))**  
 Question Text *From the review of records, did the operator properly test disconnected service lines?*  
 Assets Covered **Colville**  
 Result Notes **Compliance Tech show trouble orders. Look for Code 9's (blowing gas) where pressure test occurred on a reinstatement. Attempt to show during Skype audit on 4/21/20.**  
  
**Spec 3.18 – Gas Standards**
54. Question Result, ID, References **Sat, 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))**  
 Question Text *Do records indicate pipelines and facilities were abandoned or deactivated in accordance with requirements?*  
 Assets Covered **Colville**
55. Question Result, ID, References **Sat, 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?*  
 Assets Covered **Colville**  
 Result Notes **Staff reviewed extracted data provided by Avista in order to verify.**
56. Question Result, ID, References **Sat, 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?*  
 Assets Covered **Colville**  
 Result Notes **Staff reviewed extracted data provided by Avista in order to verify. Randy will provide staff memos for Relief Capacity Review WOs #1003014403, #1004687671, #1004687707, #1004687685 and the remarks for WO# 1001692980**
57. Question Result, ID, References **Sat, MO.GM.DISTVALVEINSPECT.R, 192.603(b) (192.747(a), 192.747(b))**  
 Question Text *Do records indicate proper inspection of each distribution system valve that might be required in an emergency at intervals not exceeding 15 months, but at least once each calendar year, and prompt remedial action to correct any valve found inoperable?*  
 Assets Covered **Colville**  
 Result Notes **Staff reviewed extracted data provided by Avista in order to verify.**  
  
**Randy will provide WO# 1000485391 and the follow-up WOs for WO# 1005417198**
58. Question Result, ID, References **NA, FS.FG.VAULTINSPECT.R, 192.709(c) (192.749(a), 192.749(b), 192.749(c), 192.749(d))**

Question Text *Do records document the adequacy of inspections of all vaults having an internal volume of 200 cubic feet (5.66 cubic meters) that house pressure regulating/limiting equipment?*

Assets Covered Colville

Result Notes As of this inspection cycle there are no underground vaults in the Colville district.

59. Question Result, ID, References Sat, MO.GM.IGNITION.R, 192.709 (192.751(a), 192.751(b), 192.751(c))

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

Assets Covered Colville

60. Question Result, ID, References Sat, DC.DPC.FLANGE.R, 192.147(a) (192.147(b), 192.147(c))

Question Text *Do records indicate flanges and flange accessories meet the requirements of 192.147?*

Assets Covered Colville

61. Question Result, ID, References Sat, DC.WELDPROCEDURE.WELD.R, 192.225(a) (192.225(b))

Question Text *Do records indicate weld procedures are being qualified in accordance with 192.225?*

Assets Covered Colville

62. Question Result, ID, References Sat, TQ.QUOMCONST.WELDER.R, 192.227(a) (192.227(b), 192.229(a), 192.229(b), 192.229(c), 192.229(d), 192.328(a), 192.328(b), 192.807(a), 192.807(b))

Question Text *Do records indicate adequate qualification of welders?*

Assets Covered Colville

63. Question Result, ID, References NA, TQ.QUOMCONST.NDT.R, 192.243(b)(2) (192.807(a), 192.807(b), 192.328(a), 192.328(b))

Question Text *Do records indicate the qualification of nondestructive testing personnel?*

Assets Covered Colville

Result Notes A scheduled Avista Transmission inspection will cover this portion of the records review later in the year.

64. Question Result, ID, References Sat, DC.CO.PLASTICJOINTPROCEDURE.R, 192.273(b) (192.283(a), 192.283(b), 192.283(c), 192.283(d))

Question Text *Have plastic pipe joining procedures been qualified in accordance with 192.283?*

Assets Covered Colville

Result Notes See Spec. 3.23, 3.24 and 3.25 for details on qualification of joining procedures

65. Question Result, ID, References Sat, DC.CO.PLASTICJOINTQUAL.R, 192.285(d) (192.285(a), 192.285(b), 192.285(c), 192.807(a), 192.807(b))

Question Text *Do records indicate persons making joints in plastic pipelines are qualified in accordance with 192.285?*

Assets Covered Colville

66. Question Result, ID, References Sat, DC.CO.PLASTICJOINTINSR.R, 192.287 (192.807(a), 192.807(b))

Question Text *Do records indicate persons inspecting the making of plastic pipe joints have been qualified?*

Assets Covered Colville

67. Question Result, ID, References NA, 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?*

Assets Covered Colville

Result Notes A scheduled Avista Transmission inspection will cover this portion of the records review later in the year.

## FR.FIELDPIPE: Pipeline Inspection (Field)

68. Question Result, ID, References Sat, DC.MA.MARKING.O, 192.63(a) (192.63(b), 192.63(c), 192.63(d))

Question Text *Are pipe, valves, and fittings properly marked for identification?*  
Assets Covered Colville

69. Question Result, ID, References Sat, DC.DPC.FLANGE.O, 192.141 (192.147(a), 192.147(b), 192.147(c))  
Question Text *Do flanges and flange accessories meet the requirements of 192.147?*  
Assets Covered Colville

70. Question Result, ID, References Sat, DC.DPC.GDVALVEPLACEMENT.O, 192.141 (192.181(a), 192.181(b), 192.181(c))  
Question Text *Are distribution line valves being installed as required of 192.181?*  
Assets Covered Colville

71. Question Result, ID, References Sat, DC.METERREGSVC.CUSTOMETERREGLOC.O, 192.351 (192.353(a), 192.353(b), 192.353(c), 192.353(d))  
Question Text *Are meters and service regulators being located consistent with the requirements of 192.353?*  
Assets Covered Colville

72. Question Result, ID, References Sat, DC.METERREGSVC.CUSTOMETERREGPROT.O, 192.351 (192.355(a), 192.355(b), 192.355(c))  
Question Text *Are meters and service regulators being protected from damage consistent with the requirements of 192.355?*  
Assets Covered Colville

73. Question Result, ID, References Sat, DC.METERREGSVC.CUSTOMETERREGINSTALL.O, 192.351 (192.357(a), 192.357(b), 192.357(c), 192.357(d))  
Question Text *Are meters and service regulators being installed consistent with the requirements of 192.357?*  
Assets Covered Colville

74. Question Result, ID, References Sat, DC.METERREGSVC.CUSTOMETEROPPRESS.O, 192.351 (192.359(a), 192.359(b), 192.359(c))  
Question Text *Are customer meter operating pressures consistent with the requirements of 192.359?*  
Assets Covered Colville

75. Question Result, ID, References Sat, DC.METERREGSVC.SVCLINEINSTALL.O, 192.351 (192.361(a), 192.361(b), 192.361(c), 192.361(d), 192.361(e), 192.361(f), 192.361(g))  
Question Text *Are customer service lines being installed consistent with the requirements of 192.361?*  
Assets Covered Colville

76. Question Result, ID, References Sat, DC.METERREGSVC.SVCLINEVLVLOCATEREQT.O, 192.351 (192.363(a), 192.363(b), 192.363(c), 192.365(a), 192.365(b), 192.365(c))  
Question Text *Are customer service line valves being installed meeting the valve and locations requirements of 192.363 and 192.365?*  
Assets Covered Colville

77. Question Result, ID, References Sat, DC.METERREGSVC.SVCLINECONNECT.O, 192.351 (192.367(a), 192.367(b), 192.369(a), 192.369(b))  
Question Text *Are customer service lines being installed with connections meeting the requirements of 192.367 and 192.369?*  
Assets Covered Colville

78. Question Result, ID, References Sat, DC.METERREGSVC.SVCLINEMATERIAL.O, 192.351 (192.371, 192.373(a), 192.373(b), 192.373(c), 192.375(a), 192.375(b), 192.377)  
Question Text *Are customer service lines being installed constructed appropriately for the types of materials used?*  
Assets Covered Colville

79. Question Result, ID, References Sat, DC.METERREGSVC.NEWSVCLINENOTUSED.O, 192.351 (192.379, 192.379(a), 192.379(b), 192.379(c))  
Question Text *Are new customer service lines not in use configured in accordance with the requirements of 192.379?*  
Assets Covered Colville

80. Question Result, ID, References Sat, DC.METERREGSVC.EXCSFLOWVLVLOCATE.O, 192.351 (192.381(c), 192.381(d), 192.381(e))

Question Text *Are service line excess flow valves located and identified in accordance with the requirements of 192.381?*

Assets Covered Colville

81. Question Result, ID, References Sat, TD.COAT.NEWPIPEINSTALL.O, 192.461(d)

Question Text *Is external protective coating being protected from damage that could result from adverse ditch conditions or supporting blocks?*

Assets Covered Colville

82. Question Result, ID, References Sat, TD.CPMONITOR.MONITORCRITERIA.O, 192.465(a) (192.463(b), 192.463(c), 192.463(a))

Question Text *Are methods used for taking CP monitoring readings that allow for the application of appropriate CP monitoring criteria?*

Assets Covered Colville

83. Question Result, ID, References Sat, TD.CPMONITOR.CURRENTTEST.O, 192.465(b)

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

Assets Covered Colville

84. Question Result, ID, References Sat, TD.CP.ELECISOLATE.O, 192.467(a) (192.467(b), 192.467(c), 192.467(d), 192.467(e))

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?*

Assets Covered Colville

85. Question Result, ID, References Sat, TD.CPMONITOR.TESTSTATION.O, 192.469

Question Text *Do cathodically protected pipelines have a sufficient number of test stations?*

Assets Covered Colville

86. Question Result, ID, References Sat, TD.CPMONITOR.TESTLEAD.O, 192.471(a)

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

Assets Covered Colville

87. Question Result, ID, References Sat, TD.CPMONITOR.INTFRCURRENT.O, 192.473(a)

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

Assets Covered Colville

88. Question Result, ID, References Sat, TD.CP.ADJACENTMETAL.O, 192.473(b)

Question Text *Are impressed current type cathodic protection systems and galvanic anode systems installed so as to minimize any adverse effect on existing adjacent underground metallic structures?*

Assets Covered Colville

89. Question Result, ID, References Sat, TD.ICP.CORRGASPRVNT.O, 192.475(a)

Question Text *If the transportation of corrosive gas is not allowed, is the transportation of corrosive gas prevented?*

Assets Covered Colville

90. Question Result, ID, References NA, TD.ICP.CORRGASACTION.O, 192.477

Question Text *Are adequate actions taken when corrosive gas is being transported by pipeline?*

Assets Covered Colville

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

91. Question Result, ID, References Sat, TD.ATM.ATMCORRODEINSP.O, 192.481(b) (192.481(c), 192.479(a), 192.479(b), 192.479(c))

Question Text *Is pipe that is exposed to atmospheric corrosion protected?*  
Assets Covered Colville

92. Question Result, ID, References Sat, AR.RCOM.REMEDIATIONOM.O, 192.487(a) (192.487(b))

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

93. Question Result, ID, References Sat, MO.GOODOR.ODORIZE.O, 192.625(a) (192.625(c), 192.625(d), 192.625(e), 192.625(f))

Question Text *Is sampling of combustible gases adequate using an instrument capable of determining the percentage of gas in air at which it becomes readily detectable?*  
Assets Covered Colville

94. Question Result, ID, References Sat, MO.GO.PURGE.O, 192.629(a) (192.629(b))

Question Text *Are lines being purged in accordance with 192.629?*  
Assets Covered Colville

95. Question Result, ID, References Sat, MO.RW.ROWMARKER.O, 192.707(a) (192.707(b), 192.707(d), CGA Best Practices, v4.0, Practice 2-5, CGA Best Practices, v4.0, Practice 4-20)

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

96. Question Result, ID, References Sat, MO.RW.ROWMARKERABOVE.O, 192.707(c) (CGA Best Practices, v4.0, Practice 2-5, CGA Best Practices, v4.0, Practice 4-20)

Question Text *Are line markers placed and maintained as required for above ground pipelines?*  
Assets Covered Colville

97. Question Result, ID, References Sat, MO.GMOPP.PRESSREGTEST.O, 192.739(a) (192.739(b))

Question Text *Are field or bench tests or inspections of regulating stations, pressure limiting stations or relief devices adequate?*  
Assets Covered Colville

98. Question Result, ID, References Sat, MO.GMOPP.PRESSREGMETER.O, 192.741(a) (192.741(b), 192.741(c))

Question Text *Are telemetering or recording gauges properly utilized as required for distribution systems?*  
Assets Covered Colville

99. Question Result, ID, References Sat, MO.GM.DISTVALVEINSPECT.O, 192.747(a) (192.747(b))

Question Text *Is proper inspection being performed for each distribution system valve that might be required in an emergency, and prompt remedial action to correct any valves found inoperable?*  
Assets Covered Colville

100. Question Result, ID, References NA, FS.FG.VAULTINSPECT.O, 192.749(a) (192.749(b), 192.749(c), 192.749(d))

Question Text *Are inspections of selected vaults with internal volume  $\geq 200$  cubic feet (5.66 cubic meters) housing pressure regulating/limiting equipment adequate?*  
Assets Covered Colville  
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

101. Question Result, ID, References Sat, 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.*  
Assets Covered Colville

## GDIM.IMPL: GDIM Implementation

102. Question Result, ID, References **Sat, GDIM.RR.MECHANICALFITTINGDATAIMPL.R, 192.1009 (191.12)** (also presented in: PRR.REPORT)  
Question Text *Have accurate records been maintained documenting mechanical fitting failures that resulted in hazardous leaks?*  
Assets Covered **Colville**

## MISCTOPICS.PUBAWARE: Public Awareness Program Effectiveness

103. Question Result, ID, References **Sat, EP.ERG.LIAISON.R, 192.605(a) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4), 192.616(c), ADB-05-03)** (also presented in: PRR.OM)  
Question Text *Do records indicate liaisons established and maintained with appropriate fire, police and other public officials and utility owners in accordance with procedures?*  
Assets Covered **Colville**
104. Question Result, ID, References **Sat, PD.PA.LANGUAGE.R, 192.616(g) (API RP 1162 Section 2.3.1)** (also presented in: PRR.OM)  
Question Text *Were materials and messages developed and delivered in other languages commonly understood by a significant number and concentration of non-English speaking populations in the operator's areas?*  
Assets Covered **Colville**
105. Question Result, ID, References **Sat, PD.PA.EVALEFFECTIVENESS.R, 192.616(c) (API RP 1162 Section 8.4)** (also presented in: PRR.OM)  
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?*  
Assets Covered **Colville**  
Result Notes **Effectiveness Evaluation was begun by Culver Company in 2017 and wrapped up in 2018**
106. Question Result, ID, References **NA, PD.PA.MSTRMETER.R, 192.616(j) (192.616(h), API RP 1162 Section 2.7 (Step 12), API RP 1162 Section 8.5)** (also presented in: PRR.OM)  
Question Text *Do records indicate the public awareness program for a master meter or petroleum gas system operator has met the requirements of Part 192?*  
Assets Covered **Colville**  
Result Notes **As of this inspection cycle and where it pertains to the Colville district, Avista is not a Master Meter operator. NA. Avista is not a Master Meter Operator.**

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Report Parameters: Results: all

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