

# Inspection Output (IOR)

Generated on 2022.May.16 09:14

## Report Filters

Assets **All**, and including items not linked to any asset.

Results **All**

## Inspection Information

Inspection Name	8148- Avista Spokane Standard	Operator(s)	AVISTA CORP (31232)	Plan Submitted	02/22/2022
		Lead	Darren Tinnerstet	Plan Approval	02/23/2022 by Sean Mayo
Status	PLANNED	Observer(s)	David Cullom, Dennis Ritter, Lex Vinsel, Anthony Dorrough, Derek Norwood, Scott Anderson, Rell Koizumi	All Activity Start	05/03/2022
Start Year	2022	Supervisor	Scott Rukke	All Activity End	05/06/2022
System Type	GD	Director	Sean Mayo	Inspection Submitted	--
Protocol Set ID	WA.GD.2021.02			Inspection Approval	--

## Inspection Summary

### Inspection Scope and Summary

2022 Standard Inspection of Avista Corp's Spokane Distribution District. Audit consisted of records mostly reviewed remotely and field inspection conducted in-person.

### Facilities visited and Total AFOD

Facilities visited included regulator stations, odorant test sites, bridge crossings, and CP test station and casings.

Pre-field Days = 8

Remote Records Review Days = 4

Field Audit Days = 3

Total AFOD = 15

### Summary of Significant Findings

*(DO NOT Discuss Enforcement options)*

No violations or areas of concern noted during inspection.

### Primary Operator contacts and/or participants

Randy Bareither - Pipeline Safety Engineer

### Operator executive contact and mailing address for any official correspondence

Heather Rosentrater - Senior Vice President, Energy Delivery and Shared Services.

1411 East Mission Ave.

PO Box 3727

## Scope (Assets)

#	Short Name	Long Name	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Inspected	Total	Required % Complete
1.	90866 (1914)	Avista Utilities Corp-SPOKANE	unit	90866	Storage Fields Bottle/Pipe - Holders Offshore GOM OCS Copper Pipe Aluminum/Amphoteric Abandoned Cast or Ductile Iron	145	145	145	145	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.	90866 (1914)	WUTC Standard Inspection	PRO, PRR, FR, GDIM, MMLPGIM, MISCTOPICS, GENERIC	P, R, O, S	Detail	--

## Plan Implementations

Activity #	Activity Name	SMART Act#	Start Date	End Date	Focus Directives	Involved Groups/Subgroups	Assets	Qst Type(s)	Planned	Required	Inspected	Total	Required % Complete
1	Avista Spokane	--	05/03/2022	05/06/2022	WUTC Standard Inspection	PRO, PRR, FR, GDIM, MMLPGIM, MISCTOPICS, GENERIC	90866 (1914)	all types	145	145	145	145	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	Avista Spokane	COMPLETED	05/09/2022	Avista Spokane	--

## Results (all values, 145 results)

150 (instead of 145) results are listed due to re-presentation of questions in more than one sub-group.

### PRO.SUBLNORMOPS: Normal Operating And Maintenance

- 1. Question Result, ID, References Sat, MO.GO.ODDOR.P, 192.605(a) (192.605(b)(11))

Question Text Does the process require prompt response to the report of a gas odor inside or near a building?

Assets Covered 90866 (1914)

Result Notes Gas Emergency and Service Handbook (GESH), Section 1, Priority of Service Request.

## PRR.REPORT: Reporting

2. 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 90866 (1914)  
Result Notes No such event occurred, or condition existed, in the scope of inspection review.
3. 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 90866 (1914)  
Result Notes No such event occurred, or condition existed, in the scope of inspection review.
4. 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 90866 (1914)  
Result Notes No such event occurred, or condition existed, in the scope of inspection review.
5. Question Result, ID, References Sat, RPT.RR.ANNUALREPORT.R, 191.11(a)  
Question Text *Have complete and accurate Annual Reports been submitted?*  
Assets Covered 90866 (1914)  
Result Notes Reviewed Annual Reports submitted for 2019-2021 audit period.
6. Question Result, ID, References Sat, RPT.RR.UTCANNUALREPORTS.R,  
Question Text *Have complete and accurate annual reports been submitted to the commission?*  
Assets Covered 90866 (1914)  
Result Notes Reviewed Annual Reports submitted for 2019-2021 audit period.  
  
2019 Annual Report submitted 2/11/2020  
  
2020 Annual Report submitted 2/9/2021  
  
2021 Annual Report submitted 3/4/2022
7. Question Result, ID, References Sat, RPT.RR.MISDATAREPORTS.R,  
Question Text *Has the operator submitted a copy of DOT Drug and Alcohol Testing MIS Data Collection Form to the commission when required?*  
Assets Covered 90866 (1914)  
Result Notes 2021 MIS Report submitted 3/01/2022  
  
2020 MIS Report submitted 1/21/2021  
  
2019 MIS Report submitted 2/17/2020
8. 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 90866 (1914)  
Result Notes 2021 Construction defect report submitted on 2/23/2022

2020 Construction defect report submitted on 2/9/2021

2019 Construction defect report submitted on 2/10/2020

9. Question Result, ID, References **NA, RPT.RR.SRCR.R, 191.23(a) (191.23(b), 191.25(a), 191.25(c))**  
Question Text *Do records indicate safety-related condition reports were filed as required?*  
Assets Covered **90866 (1914)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
10. Question Result, ID, References **NA, RPT.RR.MAOPINCREASENOTIFY.R,**  
Question Text *Do records indicate submittal of a written plan of procedures to the commission at least forty-five days before uprating to a MAOP greater than 60 psig?*  
Assets Covered **90866 (1914)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
11. Question Result, ID, References **Sat, RPT.RR.THIRTYDAYRPT.R,**  
Question Text *Has the operator submitted a written report within 30 days following each reportable incident?*  
Assets Covered **90866 (1914)**
12. 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 **90866 (1914)**  
Result Notes **New customers get a "New customer packet" within 90 days of establishing service. One of the brochures enclosed within the packet is one called "Helpful information about your buried natural gas piping" (Form N-2645).**
13. Question Result, ID, References **Sat, RPT.RR.DAILYCONSTRUCTIONRPT.R,**  
Question Text *Do records indicate daily construction and repair activities were emailed to the commission no later than 10 AM each day work is scheduled?*  
Assets Covered **90866 (1914)**
14. Question Result, ID, References **Sat, RPT.RR.PIPELINEMAPPING.R,**  
Question Text *Has the operator provided accurate maps (or updates) of all pipelines operating over 250 psig to specifications developed by the commission sufficient to meet the needs of first responders?*  
Assets Covered **90866 (1914)**  
Result Notes **Avista's Dylan Karaus makes this submission annually to WUTC. Reviewed records of last update sent on 2/23/22.**

## **PRR.CORROSION: Corrosion Control**

15. 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 **90866 (1914)**  
Result 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 expires on 5/31/23]. See Gas Standards, Spec. 2.32, "General" for guidance. (Each CP Tech can provide their individual NACE qualifications as well which correspond to various CP OQ Tasks in Spec. 4.31, Appendix A.)**

Reviewed NACE certification records for all CP techs (4) used by Avista:

Gary Douglas (Foreman) - CP4, expires 5/31/2023

Bob Larson - CP2, expires 8/31/2023

Steven Winters - CP2, expires 10/24/2024

Curt Lystad - CP2, expires 11/24/2024

16. 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 90866 (1914)

Result Notes GIS Analyst / DIMP program manager Dylan Karaus demonstrated CP details in AFM (Avista's GIS System).

Reviewed Galvanic systems.

17. 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 90866 (1914)

Result Notes All rectifiers get an inspection bi-monthly not to exceed 2.5 months.

Reviewed Rectifier records provided by Avista

Document "2018-2021 Rectifier Inspections - FINAL"

18. 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 90866 (1914)

Result Notes All exposed steel piping gets an Exposed Pipe Inspection" . Reviewed exposed pipe inspection records.

Document "2019-2021 Exposed Pipe - FINAL"

19. 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 90866 (1914)

Result Notes Reviewed CP records for 2019-2021 audit period.

Document "2018-2021 Cathodic Annuals - FINAL"

Reviewed calibration records for equipment used during CP checks.

Verified CP reads performed of exposed facilities as documented in question #4 above

Reviewed 10% sampling calculations

Document " CP Ten Percent Calculations for Spokane Audit.2022"

20. 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 90866 (1914)

Result Notes Reviewed records for Critical Bonds. Operator only has two (2) critical bonds in Spokane district.

Document "2018-2021 Critical Bonds Spokane - FINAL"

21. 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 90866 (1914)

Result Notes Avista takes prompt remedial action to correct any deficiencies indicated by the monitoring in accordance with Gas Standards, Spec. 5.14. Operator remediates issues within 90 days unless circumstances are extenuating, whereby they allow 120 days to remediate.

Document "2019-2021 Exposed Pipe Follow Up - FINAL"

22. 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 90866 (1914)

Result Notes Avista does not have unprotected (bare) pipelines to their knowledge in this District. Code is specific to buried, unprotected. All exposed pipe reports show that examinations are done

23. Question Result, ID, References Sat, FS.FG.CASINGTESTLEAD.R,

Question Text *Do records indicate that all casings without vents installed after September 5, 1992 had separate test lead wires installed?*

Assets Covered 90866 (1914)

Result Notes Reviewed As-built records from 2019 BNSF construction project

Document "Pages from 12in & 8in HP Relocation for BNSF"

24. Question Result, ID, References Sat, FS.FG.CASINGSEALS.R,

Question Text *Do records indicate that mains and service lines installed in casing or conduit are sealed at the ends as required?*

Assets Covered 90866 (1914)

Result Notes GSM Spec. 3.42.

Form N-2652 (Construction Material list) shows type of casing installed.

Reviewed records for new casing installations during audit period:

BNSF Tent Corridor (2019)

Valleyway (2019)

Degon Development (2020)

3411 E Chatteroy Rd. (2021)

25. 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 90866 (1914)

Result Notes Pipes in casings are isolated with "thinsulators" and casings/carrier pipes are tested annually to verify isolation. This is discussed in Spec. 3.42, Casing and Conduit Installation. Casings with no leads can be tested as described in Spec. 5.14, Sheet 11, "Procedure for Testing a Casing without Leads". Four shorted casings in the Spokane district as of 12/31/21.

Reviewed As-built records from 2019 BNSF construction project

Document "Pages from 12in & 8in HP Relocation for BNSF"

26. Question Result, ID, References Sat, TD.CP.CASINGINSPECT.R,

Question Text *Do records indicate that annual casing inspections have been performed to ensure electrical isolation from the pipeline?*

Assets Covered 90866 (1914)

Result Notes Reviewed Casing inspection records for 2019-2021 audit period. Number of shorted casings per period was:

2019 = 3

2020 = 4

2021 = 6

All shorted casing were leak surveyed as required.

Document "2018-2021 Cathodic Casings - FINAL"

27. Question Result, ID, References Sat, TD.CP.MONITOR.TESTSTATION.R, 192.469

Question Text *Do records identify the location of test stations and show a sufficient number of test stations?*

Assets Covered 90866 (1914)

Result Notes GIS Analyst / DIMP program manager Dylan Karus reviewed CP test stations in AFM (Avista's GIS System).

28. Question Result, ID, References Sat, TD.CP.MONITOR.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 90866 (1914)

Result Notes Reviewed Specification 3.12, Test leads and Cadweld Procedure, for Avista's procedure regarding installation of test leads. Installed pipelines are pressure tested and all details of installation are attested to have followed Avista's Gas Standards. Reviewed pressure test sticker in Specification 3.18.

GIS Analyst / DIMP program manager Dylan Karus went over an extract of all TPC's (Test Point Containers) on steel facilities installed from 2019-2021.

Reviewed records for randomly selected addresses:

314 E Sprague Ave. in Spokane.

11134 W Westbow blvd., Spokane

29. Question Result, ID, References Sat, TD.CP.MONITOR.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 90866 (1914)

Result Notes See GSM Spec. 2.32, System Isolation" . There has been (1) interference currents being remediated or having been remediated in Spokane District during this inspection cycle. From Corrosion Engineer Tim Harding: "The interference issue caused by the gas station in Loon Lake was identified in the Fall of 2019. Testing was performed and mitigation was designed. Drain anodes were installed November of 2019. CP Tech Bob Larsen and I performed follow-up testing in 2020 and 2021 to verify that the mitigation was working. In March of 2020 the CP contractor for the gas station fixed an issue and was able to turn their rectifier down significantly. That further reduced the stray current on Avista's system. As of the testing in September 2021, the gas station's CP system is having little influence on Avista's facilities."

30. 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 90866 (1914)

Result Notes Avista's gas is non-corrosive. Williams NW Pipeline and TransCanada Tariffs were reviewed to detail this fact

31. 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 90866 (1914)

Result Notes Reviewed records for internal corrosion inspections.

Document "2019-2021 Exposed Pipe With Internal Inspection - FINAL"

32. 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 90866 (1914)

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

33. 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 90866 (1914)

Result Notes AC Program is managed by Nick Messing and he discussed AC inspections that occur every three years not to exceed 39 months. Nick showed the polygons where they survey. Each calendar year they 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 staff.

Document "2019-2021 AC SR's - FINAL"

34. 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 90866 (1914)

Result Notes Gas Standards, Spec. 3.12, Tape Wrap discusses requirement for pipe to be coated prior to burying. 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). Spec. 3.32 calls for coating on all repairs.

Reviewed records of new steel pipe installed during audit period:

29th and Division (2019)

719 S Hatch St. (2020)

35. Question Result, ID, References Sat, TD.ICP.EVALUATE.R, 192.491(c) (192.487)

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



Assets Covered 90866 (1914)

Result Notes Reviewed records for 2019-2021 corrosion repairs. There were 21 total but none were due to internal corrosion.

Document "SPO Corrosion Repairs 2019 to 2021"

36. Question Result, ID, References NA, AR.RCOM.REPAIR.R, 192.487 (192.489)

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 90866 (1914)

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

## PRR.PT: Pressure Test

37. 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 90866 (1914)

Result Notes Dave Smith - Gas Distributions Engineer.

Specification 3.18

Reviewed records for following jobs:

Spangle Odorizer #375 - Nitrogen, 12 hours and 33 min. test 10/7/2021 to 10/8/2021. Tested to 785 psig (500 psig).

Reg. #767 (replaced farm tap) - Nitrogen, 1 hours 12 min. test 1/20/2020. Shop tested to 921 psig (600 MAOP). All welded replacement farm tap is new design.

Cheney 8 in. HP Reinforcement - Hydrotest, 25 hours on 8/19/2019, 799 psig (500 psig). 6,403 ft. of 8' steel pipe.

No projects or pressure tests conducted on pipe with greater than 20% during 2019-2021 audit period.

38. 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) (except for service lines and plastic pipelines)?*

Assets Covered 90866 (1914)

Result Notes Reviewed construction plans for IP steel main jobs. All meet or exceed WAC and Federal codes as shown in GSM Spec. 3.18.

Documents "4-inch steel main job - 2019"

39. 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 90866 (1914)

Result Notes Reviewed construction plans for steel service line jobs. All meet or exceed WAC and Federal codes as shown in GSM Spec. 3.18.

Documents "Three quarter steel service - 2020"

40. 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 90866 (1914)

Result Notes Reviewed construction plans for PE jobs. All meet or exceed WAC and Federal codes as shown in GSM Spec. 3.18.

Documents "Half inch PE Service job - 2019"

## PRR.UPRATE: Uprating

41. Question Result, ID, References Sat, 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 90866 (1914)

Result Notes A small uprate was performed in NE Spokane in 2019.

Station #63 Uprate

Documents "STA #63 Uprate Package Part 1" and "STA #63 Uprate Package Part 2"

42. Question Result, ID, References Sat, 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 90866 (1914)

Result Notes A small uprate was performed in NE Spokane in 2019.

Station #63 Uprate

Documents "STA #63 Uprate Package Part 1" and "STA #63 Uprate Package Part 2"

43. Question Result, ID, References Sat, 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 90866 (1914)

Result Notes A small uprate was performed in NE Spokane in 2019.

Station #63 Uprate

Documents "STA #63 Uprate Package Part 1" and "STA #63 Uprate Package Part 2"

## PRR.OM: Operations And Maintenance

44. 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 90866 (1914)

Result Notes Gas Standards Manual / GESH is updated annually.

Reviewed updates complete in 2019-2021.

45. 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 90866 (1914)

Result Notes Construction records are available at each district office and all intermediate as-built records are housed there. Maps are GIS-based and available on all Go-Books and on the Company GIS site. Operating history is a combination of the above and from Control Room / Gas Engineering.

Reviewed random samples of as-built records.

46. 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 90866 (1914)

Result Notes Matt Mullineaux - QA Manager

GSM (Gas Standards Manual) 4.61 - QA Program

Electronic database for audits - Survey 123

Spot checked audit database entries for 2019-2021.

2021 - 1100 audits conducted.

Procedures are reviewed as part of Annual Review of O&M that is described in GSM Spec. 1.4. Additionally, the QA/QC Program does hundreds of O&M Procedures reviews every year as discussed in GSM Spec.4.61. Local Construction Managers receive copies of such reviews for their personnel and contractors working in their construction areas.

47. Question Result, ID, References NA, MO.GO.CLASS.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 90866 (1914)

Result Notes Procedure is discussed in Spec. 4.16, Sheet 3. Specification notes that the Class Location Review is conducted for pipelines that operate above 20% SMYS. No pipelines > 20% SMYS in Spokane district since this is a Distribution Inspection and Transmission is handled in another inspection. Therefore, this is N/A.

48. 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 90866 (1914)

Result Notes Tim Mair / Craig Buchanan

Reviewed Trouble Orders Process (GESH 1, Sheet 7)

Reviewed records for Gas Manager Trouble Review (MAXIMO compliance program)

2021 - 4500 Trouble orders / manager review at least 150

49. 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 90866 (1914)

Result Notes Reviewed Emergency Training that occurred during this inspection cycle as well as (4) OQ Tasks that are Emergency Response related. See GSM Spec. 4.31, Appendix A ref OQ Tasks.

Documents:

"Gas IC V4 - 2019 Gas IC Training"

"Attendee list refresher training 2019"

"2020 JSTC Refresher Training Detail Explanantion"

"TABLETOP Gas Emergency Response Refresher 2020"

"2020 Gas Refresher Schedule"

50. 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 90866 (1914)

Result Notes Conduct 1-2 mock trainings per years.

Reviewed training material conducted with

Deer Park Fire Department - 2019

Spokane Fire Department - 2019

Spokane Valley First Responder Pipeline Training - 2/2/2020

Operator utilizes Paradigm contractor for setting up trainings.

51. 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 90866 (1914)

Result Notes Reviewed 2021 Language Data - Spanish is prevalent (97% of requests) followed by russian (.8%).

Per Public Awareness Program requirement is 10% based on census data.

Materials are available in other languages upon request.

Operator confirms translation in house.

52. 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 90866 (1914)

Result Notes Conducted every four years. Culver Company conducts surveys of affected public categories (4).

2017 - Last complete program evaluation. Reviewed these results.

2021 - Not completed yet. Anticipated completion of report and analysis of results is July 2022.

53. 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 90866 (1914)

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

54. Question Result, ID, References Sat, 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?*

Assets Covered 90866 (1914)

Result Notes Matt Mullineaux - QA Manager

See GESH Section 17 including flow chart at end of the section. Also see "Material Failure" in GSM Spec. 4.11, Sheets 2 & 3. Gas Materials Specialist (Dan W.) keeps records & puts out Quarterly Materials One Pager emails. Field personnel are directed to fill out Form N-2614. Local managers have copies of any formal incident investigation (assessments) that have occurred in their areas. Total of (4) assessments for 2019, (0) for 2020 and (4) for 2021 in Spokane District.)

Review Incident Assessment Documents:

12/22/2020 - Active error not purging all the air out of newly installed PE pipe. 6 customers reported no heat issues. Determined that error was result of contractor NPL not following Avista GSM 3.17 to ensure all air was removed during purging process. Additional training for contractor and increased communication with Avista regarding standard requirements.

7/9/2021- NPL didn't monitor pressure when retiring a section of main causing an outage of 55 customers. Determined contractor NPL was not following GSM 3.34. Additional training and creation of checklist for contractor to follow.

55. Question Result, ID, References Sat, PD.DP.PDPROGRAM.R, 192.614(c)

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

Assets Covered 90866 (1914)

Result Notes New emphasis on distributing materials (WA Dig Safe book) in Spanish and Russian.

Locates on time:

2021 - 96.9%

2020 - 99.19%

2019 - 98.9%

Reviewed damage specific letter which is sent out to companies when they damage a facility.

56. Question Result, ID, References Sat, MO.GOMAOP.MAOPDETERMINE.R, 192.619(a) (192.619(b), 192.621(a), 192.621(b), 192.623(a), 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 90866 (1914)

Result Notes GSM 4.15.

Reviewed records for pipe installed during 2019-2021 audit period.

HP Segment Data Sheets

57. Question Result, ID, References Sat, 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 processes and conduct of the required testing to verify odorant levels met requirements?*

Assets Covered 90866 (1914)

Result Notes Annual Review of Test Points, Monthly Readings and equipment calibrations. Any reading higher than 0.40% requires a follow-up read / explanation

Spot checked follow ups on high reads for explanation.

Documents:

"2019 DTEX Reads - FINAL"

"2020 DTEX Reads - FINAL"

"2021 DTEX Reads - FINAL"

58. 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 90866 (1914)

Result Notes Reviewed Gas Patrolling reports for HP and Transmission patrols. Also reviewed Quarterly Inspection Checklists for Bridge Crossings.

Documents:

"2019-2021 HP Patrolling"

"2019-2021 Transmission Patrolling"

"2019 Spokane Davenport Bridge Crossings - Final"

"2020 Spokane Davenport Bridge Crossings - Final"

"2021 Spokane Davenport Bridge Crossings - Final"

59. Question Result, ID, References Sat, MO.RW.LEAKFOLLOW.R,

Question Text *Do records indicate that a follow-up inspection was performed not more than thirty days following a repair where residual gas remained in the ground?*

Assets Covered 90866 (1914)

Result Notes Reviewed leak follow up records for audit period. No issues.

Document "2019-2021 Residual Follow Up - FINAL"

60. Question Result, ID, References Sat, MO.RW.DOWNGRADELEAKREPAIR.R,

Question Text *Do records indicate that leaks that have been downgraded are repaired within twenty-one months?*

Assets Covered 90866 (1914)

Result Notes Reviewed leak follow up records for audit period. No issues.

Document "2019-2021 Residual Follow Up - FINAL"

61. Question Result, ID, References Sat, MO.RW.LEAKREPAIRTIME.R,

Question Text *Do records indicate that leaks were repaired and re-evaluated in the timeframes specified in WAC 480-93-18601?*

Assets Covered 90866 (1914)

Result Notes Reviewed leak follow up records for audit period. No issues.

Document "2019-2021 Residual Follow Up - FINAL"

62. Question Result, ID, References Sat, MO.RW.LEAKRECORDS.R,

Question Text *Have gas leak records been prepared and maintained as required?*

Assets Covered 90866 (1914)

Result Notes Randomly reviewed leak surveys and leak records for 2019-2021 audit period.

63. 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 90866 (1914)

Result Notes Nick Messing reviewed Leak Survey Viewer within ESRI.

Randomly selected reported leaks and reviewed mitigation and repairs.

64. Question Result, ID, References Sat, MO.RW.CASINGLEAKSURVEY.R,

Question Text *Do records indicate shorted casings were leak surveyed as required?*

Assets Covered 90866 (1914)

Result Notes Reviewed short casing leak surveys.

Number of shorted casings be monitored per audit year reviewed:

2021 - 6

2020 - 3

2019 - 4

65. Question Result, ID, References Sat, MO.RW.MARKERSURVEY.R,

Question Text *Do records indicate that pipeline marker surveys were completed in the timeframe specified by WAC 480-93-124?*

Assets Covered 90866 (1914)

Result Notes Nick Messing.

20% of the areas within Washington are covered every year in order to complete every 5 years.

Reviewed pipeline marker records within ESRI.

66. Question Result, ID, References Sat, MO.RW.MARKERREPLACE.R,

Question Text *Do records indicate that damaged or missing markers were replaced within forty-five days of discovery?*

Assets Covered 90866 (1914)

Result Notes Markers are replaced onsite as discovered.

Reviewed

67. 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 90866 (1914)

Result Notes Tested in accordance with standard GSM Spec. 3.18.

Reviewed Code 9's (blowing gas) incidents where pressure test occurred on reinstatement.

Document "2019-2021 Code 9 - FINAL"

68. 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 90866 (1914)  
Result Notes Procedure is detailed in GSM Spec. 5.12.

Document "2018-2021 Reg Stations - FINAL"

69. 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 90866 (1914)  
Result Notes Procedure is detailed in Spec. 5.12.

Document "2018-2021 Relief Capacity Review - FINAL"

70. Question Result, ID, References Sat, DC.METERREGSVC.REGTEST.R,  
Question Text *Do records indicate that service regulators have been installed, operated, maintained, tested during initial turn-on and tested when customers experience pressure problems?*  
Assets Covered 90866 (1914)  
Result Notes Documents show when installed and when visited for a "Trouble Call", Flow testing and Lock-up are completed on the service regulators as applicable.

Documents "2019-2021 Service Regulators - FINAL" and "2018-2021 High Low Pressure - FINAL"

71. 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 90866 (1914)  
Result Notes Procedure is detailed in GSM Spec. 5.13

Document "2018-2021 Valves - FINAL"

Followed up on the following valves which had outstanding remedial action requirements:

SPO2135 - VALVE RETIRED PER WO #1021011134. FOLLOW-UP WO NO LONGER NEEDED.

SPO1362 – T&D WO 1010535425. CREW MADE REPAIRS 5/28/20

DAV8 – VALVE CHANGED OUT PER WO 1001395382 on 8/8/19.

72. 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 =200 cubic feet (5.66 cubic meters) that house pressure regulating/limiting equipment?*  
Assets Covered 90866 (1914)  
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

73. 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 90866 (1914)

Result Notes Spec. 3.17, Sheet 1 and Spec. 4.31, Appendix A discuss. Crew "tailboards" note discussion of this topic. Tailboards are kept in various places by local managers

Document "2019-2021 Tailboard Examples"

74. 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 90866 (1914)

Result Notes All flanges used by Avista can be found in the 2021 Avista Gas Materials Catalog. All meet specifications ASME/ANSI B16.5. ANSI 150 can be used up to a MAOP of 275 psig. ANSI 300 can be used up to 720 psig. With regard to specification MSS-SP-44, that specification covers flanges 12" and greater in size which are not an inventory item for Avista.

Document "Pages from 2021 Avista Gas Materials Catalog V4 Flanges"

75. 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 90866 (1914)

Result Notes Reviewed Welding procedures. See GSM 3.22 (Appendix).

76. Question Result, ID, References Sat, DC.WELDPROCEDURE.ESSENTIAL.R,

Question Text *Do records indicate that essential variables were measured and documented when welders and procedures were qualified?*

Assets Covered 90866 (1914)

Result Notes Reviewed Welding Procedures Manual. GSM Spec 3.22 (appendix).

Reviewed 2021 Welder Qualification Test Report.

77. 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 90866 (1914)

78. 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 90866 (1914)

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

79. 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 90866 (1914)

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

80. 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 90866 (1914)

Result Notes Reviewed OQ records for pipe joining personnel.

Document "Pipe Joining Compliance Report Spokane"

81. 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 **90866 (1914)**  
 Result Notes **This is included as part of the PE Joining qualification and is detailed in the description of the tasks in Spec. 4.31 App. A. The OQ records for joining provided for Question #42 above therefore cover it.**
82. Question Result, ID, References **Sat, DC.CO.PLASTICPIPESEP.R,**  
 Question Text *Do records indicate minimum separation requirements are met for plastic pipelines?*  
 Assets Covered **90866 (1914)**  
 Result Notes **GSM Specification 3.15. Reviewed multiple as-built plans to confirm separation requirements are being met.**
83. Question Result, ID, References **Sat, MO.GM.EQUIPPLASTICJOINT.R, 192.603(b) (192.756)**  
 Question Text *Do records indicate equipment used in joining plastic pipe was maintained in accordance with the manufacturer's recommended practices or with written procedures that have been proven by test and experience to produce acceptable joints?*  
 Assets Covered **90866 (1914)**  
 Result Notes **This procedure is discussed in GSM Spec. 3.23, Sheet 2: "For Avista and its contractors, documentation of this requirement shall be completed through the signing of the Pressure Test Information Sticker (Form N-240 or similar) on the applicable as-built construction document."**
- "By signing the aforementioned document, an operator qualified individual is attesting that construction complied with current company standards / specifications and specifically in this case, that the heat fusion equipment is being maintained as appropriate. See the Manufacturer's Operating Instructions Manual for Gas Operations, Sections 2 and 3 (as applicable) for fusion equipment maintenance specifics."**
- Reviewed Calibration records for joining equipment.**
84. 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 **90866 (1914)**  
 Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
85. Question Result, ID, References **NA, MO.GM.MOVEANDLOWER.R,**  
 Question Text *Do records indicate that a study was prepared before moving or lowering a steel gas pipeline as required?*  
 Assets Covered **90866 (1914)**  
 Result Notes **No pipeline moves or lowerings in 2019 – 2021 in Spokane District requiring a study to be completed per Dave Smith.**
86. Question Result, ID, References **NA, MO.GM.MOVEANDLOWERSURVEY.R,**  
 Question Text *Do records indicate that a leak survey was conducted not more than thirty days after moving and/or lowering a metallic pipeline?*  
 Assets Covered **90866 (1914)**  
 Result Notes **No pipeline moves or lowerings in 2019 – 2021 in Spokane District requiring a study to be completed per Dave Smith.**
87. Question Result, ID, References **Sat, MO.RW.MARKERSMAPSDRAW.R,**  
 Question Text *Are records sufficient to indicate class location and other areas where pipeline markers are required?*  
 Assets Covered **90866 (1914)**

## FR.FIELDPIPE: Pipeline Inspection (Field)

88. 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 in accordance with the requirements of 192.63?*  
 Assets Covered **90866 (1914)**  
 Result Notes **Observed pipe and fitting markings in the field during audit and crew inspections.**
89. 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 **90866 (1914)**
90. 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 **90866 (1914)**
91. Question Result, ID, References **Sat, DC.CO.PLASTICPIPEPROC.O,**  
 Question Text *Is plastic pipe handled, stored and installed in accordance with manufacturer's recommendations, including maximum ultraviolet exposure?*  
 Assets Covered **90866 (1914)**  
 Result Notes **Inspected pipe inventory at Jimmy Dean facility.**
92. Question Result, ID, References **Sat, DC.CO.PLASTICWEAKLINK.O,**  
 Question Text *Is a weak link installed when pulling plastic pipe by mechanical means?*  
 Assets Covered **90866 (1914)**
93. Question Result, ID, References **Sat, DC.CO.PLASTICPIPESEP.O,**  
 Question Text *Are plastic pipelines installed with the minimum separation from other utilities as required?*  
 Assets Covered **90866 (1914)**
94. Question Result, ID, References **Sat, DC.CO.PLASTICBACKFILL.O,**  
 Question Text *Is plastic pipe buried in essentially rock-free material or material recommended by the pipe manufacturer?*  
 Assets Covered **90866 (1914)**
95. Question Result, ID, References **NA, DC.CO.PLASTICSQUEEZING.O,**  
 Question Text *Verify that the operator has limits in place for squeezing plastic pipe.*  
 Assets Covered **90866 (1914)**  
 Result Notes **No such activity/condition was observed during the inspection.**
96. 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 **90866 (1914)**
97. 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 **90866 (1914)**
98. 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 **90866 (1914)**

99. 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 **90866 (1914)**
100. 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 **90866 (1914)**
101. Question Result, ID, References **Sat, DC.METERREGSVC.SVCLINEVLLOCATEREQ.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 **90866 (1914)**
102. Question Result, ID, References **NA, 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 **90866 (1914)**  
 Result Notes **No such activity/condition was observed during the inspection.**
103. 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 **90866 (1914)**
104. Question Result, ID, References **NA, 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 **90866 (1914)**  
 Result Notes **No such activity/condition was observed during the inspection.**
105. 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 **90866 (1914)**
106. Question Result, ID, References **NA, DC.METERREGSVC.REGTEST.O,**  
 Question Text *Are service regulators operated, maintained, installed and tested during the initial turn-on in accordance with manufacturer's recommendations and WAC requirements?*  
 Assets Covered **90866 (1914)**  
 Result Notes **No such activity/condition was observed during the inspection.**
107. Question Result, ID, References **Sat, DC.WELDPROCEDURE.ONSITE.O,**  
 Question Text *Are qualified written welding procedures located onsite where welding is being performed?*  
 Assets Covered **90866 (1914)**  
 Result Notes **Reviewed welding procedures during crew inspection conducted on 4//20/2022. This was 12" HP replacement job in Airway Heights.**
108. Question Result, ID, References **NA, DC.WELDPROCEDURE.ESSENTIAL.O,**  
 Question Text *Does the operator document essential variables when qualifying welders and weld procedures?*  
 Assets Covered **90866 (1914)**  
 Result Notes **No such activity/condition was observed during the inspection.**
109. 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 90866 (1914)

110. 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 90866 (1914)

Result Notes Observed CP Technicians taking CP readings during field portion of the audit. Checked OQ's. See Form R for specific breakdowns.

111. 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 90866 (1914)

Result Notes observed CP Technicians checking rectifiers during field portion of the audit. Checked OQ's. See Form R for specific breakdowns.

112. 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 90866 (1914)

Result Notes Observed CP Technicians taking CP and casing readings during field portion of the audit. No shorted casings. See Form R for specific breakdowns.

113. Question Result, ID, References Sat, TD.CP.CASINGINSPECT.O,

Question Text *Are casings electrically isolated from the pipeline?*

Assets Covered 90866 (1914)

114. 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 90866 (1914)

115. 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 90866 (1914)

116. Question Result, ID, References NA, TD.CPMONITOR.INTFCURRENT.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 90866 (1914)

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

117. Question Result, ID, References NA, 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 90866 (1914)

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

118. Question Result, ID, References NA, 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 90866 (1914)

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

119. 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 **90866 (1914)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
120. 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 **90866 (1914)**  
 Result Notes **Observed adequate AC protective wrapping at regulator stations during field audit. See Form R for specific breakdowns.**
121. Question Result, ID, References **NA, PD.DP.ONECALL.O, 192.614(c)(3)**  
 Question Text *Observe operator process a "One Call" ticket.*  
 Assets Covered **90866 (1914)**  
 Result Notes **No such activity/condition was observed during the inspection.**
122. 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 **90866 (1914)**  
 Result Notes **Observed Odorant reads during field portion of the audit. Checked OQ's. See Form R for specific breakdowns.**
123. Question Result, ID, References **NA, MO.GO.PURGE.O, 192.629(a) (192.629(b))**  
 Question Text *Are lines being purged in accordance with 192.629?*  
 Assets Covered **90866 (1914)**  
 Result Notes **No such activity/condition was observed during the inspection.**
124. 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 **90866 (1914)**
125. 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 **90866 (1914)**
126. 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 **90866 (1914)**  
 Result Notes **Inspected six (6) regulator stations during field audit (See Form R). Four of the stations inspected failed to lock up due to Dithiazine fouling:**
- RS-98 Airway Heights**
  - RS-834 Medical Lake**
  - RS 1-1 Mead**
  - RS-111 Deer Park**

Operator provided the following information regarding the issue:

"Dithiazine is primarily a GTN gas issue, therefore we do not need to monitor Grants Pass, Glendale, Winston, Roseburg, Sutherland, Oakland, Goldendale, or Stevenson areas as we have not seen any signs of dithiazine contamination there. All other areas are susceptible to Dithiazine and should be monitored."

"Dithiazine accumulates relatively slowly inside the regulator therefore a recommended monitoring interval is once per week. Dithiazine effects the regulator by either causing the downstream pressure to rise or drop from it's set point. Generally these pressure changes do not happen instantly and can be seen over a period of time by looking at the downstream pressure graph in PI."

Operator provided documentation outlining how they are addressing the ongoing Dithiazine issues they are seeing. They have also accordingly included Dithiazine in their DIMP plan.

Documents Reviewed;

"Continuing Surveillance for Dithiazine"

"Dithiazine Monitoring - Step by Step"

"Presentation in Continuing Surveillance"

"Avisa's DIMP Plan Rev 10 20221\_Final"

"WUTC Fireside Chat Dithiazine Update 3-24-22"

127. 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 90866 (1914)

128. Question Result, ID, References Sat, MO.GMOPP.MULTIPRESSREG.O,

Question Text *Are regulator stations installed in a manner to provide protection between regulator stages?*

Assets Covered 90866 (1914)

129. 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 90866 (1914)

Result Notes Observed pressure control technicians partially operating valves during field portion of the audit. Checked OQ's. See Form R for specific breakdowns.

Followed up with the operator on the following valves to determine that required remedial action was being completed:

SPO2135 - VALVE RETIRED PER WO #1021011134. FOLLOW-UP WO NO LONGER NEEDED.

SPO1362 – T&D WO 1010535425. CREW MADE REPAIRS 5/28/20

DAV8 – VALVE CHANGED OUT PER WO 1001395382 on 8/8/19.

130. Question Result, ID, References **Sat, FS.FG.CASING.O,**  
Question Text *Are all casings bare steel and do they have test leads installed on new casings without vents?*  
Assets Covered **90866 (1914)**  
Result Notes **See Form R for specific breakdown.**
131. Question Result, ID, References **Sat, FS.FG.CASESEAL.O,**  
Question Text *Does the operator seal both ends of casings/conduits for mains and transmission lines and seal the end nearest the building for service lines?*  
Assets Covered **90866 (1914)**
132. 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 =200 cubic feet (5.66 cubic meters) housing pressure regulating/limiting equipment adequate?*  
Assets Covered **90866 (1914)**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
133. 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 **90866 (1914)**
134. Question Result, ID, References **Sat, MO.GM.EQUIPPLASTICJOINT.O, 192.756**  
Question Text *Is proper maintenance being performed on equipment used in joining plastic pipe in accordance with the manufacturer's recommended practices or with written procedures that have been proven by test and experience to produce acceptable joints?*  
Assets Covered **90866 (1914)**  
Result Notes **Observed 6" plastic pipe joining during crew inspections. Checked maintenance records and calibrations of heat plate and pyrometers.**
135. Question Result, ID, References **Sat, MO.GM.ONSITEPROCS.O,**  
Question Text *Are procedures applicable to the work being done located onsite where the work is being done?*  
Assets Covered **90866 (1914)**
136. Question Result, ID, References **NA, AR.PTI.EQUIPCALIB.O,**  
Question Text *Is pressure testing equipment calibrated according to calibration schedules and procedures?*  
Assets Covered **90866 (1914)**  
Result Notes **No such activity/condition was observed during the inspection.**
137. Question Result, ID, References **NA, AR.PTI.PLASTICPRESSURETEST.O,**  
Question Text *Is plastic pipe installed and backfilled prior to pressure testing?*  
Assets Covered **90866 (1914)**  
Result Notes **No such activity/condition was observed during the inspection.**

## GDIM.IMPL: GDIM Implementation

138. 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 90866 (1914)  
Result Notes 2021 Construction defect report submitted on 2/23/2022  
  
2020 Construction defect report submitted on 2/9/2021  
  
2019 Construction defect report submitted on 2/10/2020

139. Question Result, ID, References Sat, GDIM.RR.MECHANICALFITTINGRPTIMPL.R, 192.1009 (191.12)  
Question Text *Did the operator report all mechanical fitting failures that resulted in a hazardous leak for the previous calendar year to PHMSA and State authorities, as appropriate, by March 15th of the next calendar year, and did the reports contain the information required by Department of Transportation Form PHMSA F-7100.1-2?*  
Assets Covered 90866 (1914)

## MISCTOPICS.PROT9: OQ Field Inspection

140. Question Result, ID, References Sat, TQ.PROT9.CORRECTION.O, 192.801(a) (192.809(a))  
Question Text *Have potential issues identified by the OQ plan inspection process been corrected at the operational level?*  
Assets Covered 90866 (1914)

141. Question Result, ID, References Sat, TQ.PROT9.QUALIFICATIONSTATUS.O, 192.801(a) (192.809(a))  
Question Text *Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks.*  
Assets Covered 90866 (1914)  
Result Notes Checked OQ's for CP, pressure control, and bridge inspectors. See Form R for specific breakdowns.

142. Question Result, ID, References Sat, TQ.PROT9.TASKPERFORMANCE.O, 192.801(a) (192.809(a))  
Question Text *Verify the qualified individuals performed the observed covered tasks in accordance with the operator's procedures or operator approved contractor procedures.*  
Assets Covered 90866 (1914)  
Result Notes Reviewed procedures with technicians prior to them performing OQ tasks during field audit. See Form R or specific breakdowns.

143. Question Result, ID, References Sat, TQ.PROT9.AOCRECOG.O, 192.801(a) (192.809(a))  
Question Text *Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed.*  
Assets Covered 90866 (1914)  
Result Notes Discussed AOC's with each technician prior to them performing OQ qualified tasks. No issues.

144. Question Result, ID, References Sat, TQ.PROT9.VERIFYQUAL.O, 192.801(a) (192.809(a))  
Question Text *Observe in the field (job site, local office, etc.) that the foreman/supervisor/manager has verified the qualification of the individual performing the task, that the qualification records are current, and ensure the personal identification of all individuals performing covered tasks are checked, prior to task performance.*  
Assets Covered 90866 (1914)

## MISCTOPICS.OPTRQUAL: Operator Qualification

145. Question Result, ID, References Sat, TQ.OQ.OQPLAN.O, 192.805(h)  
Question Text *Do individuals performing covered tasks demonstrate adequate skills, knowledge, and ability?*  
Assets Covered 90866 (1914)

146. Question Result, ID, References Sat, TQ.OQ.ABNORMAL.O, 192.803

Question Text *Do individuals performing covered tasks have adequate knowledge to recognize and react to abnormal operating conditions?*

Assets Covered 90866 (1914)

## MISCTOPICS.PUBAWARE: Public Awareness Program Effectiveness

147. 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: 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 90866 (1914)

Result Notes Conduct 1-2 mock trainings per years.

Reviewed training material conducted with

Deer Park Fire Department - 2019

Spokane Fire Department - 2019

Spokane Valley First Responder Pipeline Training - 2/2/2020

Operator utilizes Paradigm contractor for setting up trainings.

148. Question Result, ID, Sat, PD.PA.LANGUAGE.R, 192.616(g) (API RP 1162 Section 2.3.1) (also presented in: PRR.OM)  
References

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 90866 (1914)

Result Notes Reviewed 2021 Language Data - Spanish is prevalent (97% of requests) followed by russian (.8%).

Per Public Awareness Program requirement is 10% based on census data.

Materials are available in other languages upon request.

Operator confirms translation in house.

149. Question Result, ID, Sat, PD.PA.EVALEFFECTIVENESS.R, 192.616(c) (API RP 1162 Section 8.4) (also presented in: PRR.OM)  
References

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 90866 (1914)

Result Notes Conducted every four years. Culver Company conducts surveys of affected public categories (4).

2017 - Last complete program evaluation. Reviewed these results.

2021 - Not completed yet. Anticipated completion of report and analysis of results is July 2022.

150. 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: 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 90866 (1914)

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

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.