

Inspection Output (IOR)

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Report Filters

Assets Solvay Hydrogen System / 90612

Results All

Inspection Information

Inspection Name	8633 - Solvay Records and Field	Operator(s)	SOLVAY CHEMICALS, INC. (32399)	Plan Submitted	01/30/2023
Status	PLANNED	Lead	Scott Anderson	Plan Approval	01/30/2023 by Dennis Ritter
Start Year	2023	Team Members	David Cullom, Lex Vinsel, Anthony Dorrough, Derek Norwood	All Activity Start	03/15/2023
System Type	GT	Observer(s)	John Trier	All Activity End	03/15/2023
Protocol Set ID	WA.GT.2022.02	Supervisor	Dennis Ritter	Inspection Submitted	--
		Director	Scott Rukke	Inspection Approval	--

Inspection Summary

Inspection Scope and Summary

This inspection consisted of a records and field review of Solvay Chemicals, Inc. Solvay operates a 6" hydrogen pipeline for approximately 481 feet across State Highway 432 in Longview, WA. The pipe was installed in 2006. Solvay does not have an IM plan as they do not have any HCAs. There are no jurisdictional valves, relief devices, or compressor stations.

Pipe Specs:

Diameter: 6.625"

Yield Strength (S): X42/X52

Wall Thickness (t): 0.280"

Class Location: 1

MAOP: 150 psig

Facilities visited and Total AFOD

1 AFOD

Summary of Significant Findings

No findings

Primary Operator contacts and/or participants

Pascal Mansy, Engineering and Maintenance Manager, Solvay Chemicals, Inc.

Tim Blume, PNW Field Service, Everline Consulting

Operator executive contact and mailing address for any official correspondence

Robert May

Vice President Industrial, Peroxides NA

3333 Richmond Avenue

Houston, Texas 77098

Scope (Assets)

Short # Name	Long Name	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Inspected	Total	Required % Complete
1. 90612	Solvay Hydrogen System	unit	90612	Compressor Stations Bottle/Pipe - Holders Vault Service Line Gas Storage Field (Aboveground) Offshore GOM OCS Cast or Ductile Iron Copper Pipe Aluminum/Amphoteric Plastic Pipe AMAOP CDA Abandoned	152	152	152	152	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. 90612	WUTC Standard Inspection	AR, CR, DC, EP, FS, IM, MO, PD, RPT, SRN, TD, TQ, UNGS, 114, P, R, O, S GENERIC		Detail --

Plan Implementations

# Activity Name	SMAR T Act#	Start Date	Focus Directive s	Involved Groups/Subgroup s	Asset s	Qst Type(s)	Planned	Required	Inspected	Total	Required % Complete
1. Records and Field	--	03/15/2023	WUTC Standard Inspection	AR, CR, DC, EP, FS, IM, MO, PD, RPT, SRN, TD, TQ, UNGS, 114, GENERIC	all assets	all types	152	152	152	152	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".
3. Question counts and completion percents are filtered to include only questions planned for and results applied to the filtered Assets.

Forms

No.	Entity	Form Name	Status	Date Completed	Activity Name	Asset
1.	Attendance List	Records and Field	COMPLETED	03/16/2023	Records and Field	90612

Results (all values, 152 results)

174 (instead of 152) results are listed due to re-presentation of questions in more than one sub-group.

AR.PTI: Integrity Assessment Via Pressure Test

1. Question Result, ID, References **NA, AR.PTI.PRESSTESTREVQUAL.R, 192.947(g) (192.915(a), 192.915(b))**
Question Text *Do records demonstrate that operator/vendor personnel, including supervisors, who conduct or review pressure test assessment results are qualified for the tasks they perform?*
Assets Covered **90612**
Result Notes **No such requirement existed in the scope of inspection review.**
2. Question Result, ID, References **NA, AR.PTI.PRESSTESTRESULT.R, 192.517(a) (192.505(a), 192.505(b), 192.505(c), 192.505(d), 192.507(a), 192.507(b), 192.507(c), 192.513(a), 192.513(b), 192.513(c), 192.513(d), 192.517(b), 192.617, 192.619(a), 192.919(e), 192.921(a)(2))**
Question Text *Do the test records validate the pressure test?*
Assets Covered **90612**
Result Notes **No such requirement existed in the scope of inspection review.**
3. Question Result, ID, References **NA, AR.PTI.PRESSTESTCOMPLETE.O, 192.503(a) (192.503(b), 192.503(c), 192.503(d), 192.505(a), 192.505(b), 192.505(c), 192.505(d), 192.507(a), 192.507(b), 192.507(c), 192.513(a), 192.513(b), 192.513(c), 192.513(d))**
Question Text *From field operations was the pressure test performed in accordance with Subpart J requirements and the process requirements?*
Assets Covered **90612**
Result Notes **No such activity/condition was observed during the inspection. No IM**

AR.RMP: Repair Methods and Practices

4. Question Result, ID, References **NA, 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 **90612**
Result Notes **No such activity/condition was observed during the inspection.**
5. Question Result, ID, References **NA, AR.RMP.WELDTTEST.O, 192.719(a) (192.719(b))**
Question Text *Does the operator properly test replacement pipe and repairs made by welding on transmission lines?*
Assets Covered **90612**
Result Notes **No such activity/condition was observed during the inspection.**

DC.CO: Construction

6. Question Result, ID, References **NA, DC.CO.CASING.O, 192.323 (192.467(a), 192.467(b))**
Question Text *Do field observations confirm railroad or highway casings are being installed as designed and specified, and in accordance with 192.323?*
Assets Covered **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
7. Question Result, ID, References **NA, DC.CO.REPAIR.R, 192.303 (192.309)**
Question Text *Do records demonstrate that repairs to steel pipe are being made in accordance with §192.309?*
Assets Covered **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No new const. since install**

8. Question Result, ID, References **NA, DC.DPC.CCPROTCOATLOWER.R, 192.143(b) (192.461(c))** (also presented in: DC.DPC)
Question Text *Do records indicate that each pipe segment with external protective coating was inspected just prior to lowering into the ditch and backfilling, and any damage detrimental to effective corrosion control was repaired?*
Assets Covered **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No new const. since install in 2006.**

DC.WELDINS: Construction Weld Inspection

9. Question Result, ID, References **NA, DC.WELDINS.WELDVISUALQUAL.R, 192.241 (192.225, 192.227, 192.229, 192.231, 192.233, 192.243, 192.245)**
Question Text *Does the operator have records showing that the welding was visually and/or non-destructively tested according to the requirements of 192.241 and the operator's specifications or procedures?*
Assets Covered **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No new const. since install in 2006.**
10. Question Result, ID, References **NA, DC.WELDINS.WELDNDR.R, 192.243**
Question Text *Do records indicate that NDT and interpretation are in accordance with 192.243?*
Assets Covered **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No new const. since install in 2006.**
11. Question Result, ID, References **NA, DC.WELDINS.WELDREPAIR.R, 192.245 (192.303)**
Question Text *Do records indicate that unacceptable welds are removed and/or repaired in accordance with 192.245?*
Assets Covered **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No new const. since install in 2006.**

DC.WELDPROCEDURE: Construction Welding Procedures

12. Question Result, ID, References **NA, DC.WELDPROCEDURE.WELD.R, 192.225**
Question Text *Does the operator have detailed records showing proper qualification of the welding procedures in accordance with 192.225?*
Assets Covered **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No new const. since install in 2006.**
13. Question Result, ID, References **NA, DC.WELDPROCEDURE.WELDERQUAL.R, 192.227 (192.225, 192.229)**
Question Text *Do the records demonstrate that the welders are qualified in accordance with applicable sections of API Standard 1104 or ASME BPVC, Section IX, and cover the limitations in 192.229?*
Assets Covered **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No new const. since install in 2006.**
14. Question Result, ID, References **NA, DC.WELDPROCEDURE.WELDERQUAL.O, 192.227 (192.225, 192.229)**
Question Text *Do field observations confirm that the welders are qualified in accordance with applicable sections of API Standard 1104 or ASME BPVC, Section IX, and cover the limitations in 192.229?*
Assets Covered **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

DC.DPCOPP: Design of Pipe - Overpressure Protection

15. Question Result, ID, **NA, DC.DPCOPP.OVERPRESSURE.R**, 192.195(a) (192.199(a), 192.199(b), 192.199(c), 192.199(d),
References 192.199(e), 192.199(f), 192.199(g), 192.199(h), 192.201(a), 192.201(b), 192.201(c))
Question Text *Do records indicate that the pipeline has pressure relieving or pressure limiting devices that are required by 192.195(a), and that they meet the requirements of 192.199 and 192.201?*
Assets Covered 90612
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
16. Question Result, ID, **NA, DC.DPCOPP.OVERPRESSURE.O**, 192.195(a) (192.199(a), 192.199(b), 192.199(c), 192.199(d),
References 192.199(e), 192.199(f), 192.199(g), 192.199(h), 192.201(a), 192.201(b), 192.201(c))
Question Text *Are required pressure relieving or pressure limiting devices being installed, and do they meet the requirements of 192.199 and 192.201?*
Assets Covered 90612
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
17. Question Result, ID, **NA, DC.DPCOPP.PRESSLIMIT.R**, 192.199(a) (192.199(b), 192.199(c), 192.199(d), 192.199(e),
References 192.199(f), 192.199(g), 192.199(h))
Question Text *Do records indicate that pressure relieving or pressure limiting devices meet the requirements of 192.199?*
Assets Covered 90612
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
18. Question Result, ID, **NA, DC.DPCOPP.PRESSLIMIT.O**, 192.199(a) (192.199(b), 192.199(c), 192.199(d), 192.199(e),
References 192.199(f), 192.199(g), 192.199(h))
Question Text *Do field observations confirm pressure relieving or pressure limiting devices meet the requirements of 192.199?*
Assets Covered 90612
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
19. Question Result, ID, **NA, DC.DPCOPP.PRESSLIMITCAP.R**, 192.201(a) (192.201(b), 192.201(c))
References
Question Text *Do records indicate that pressure relief or pressure limiting stations being installed comply with 192.201?*
Assets Covered 90612
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
20. Question Result, ID, **NA, DC.DPCOPP.PRESSLIMITCAP.O**, 192.201(a) (192.201(b), 192.201(c))
References
Question Text *Do field observations verify pressure relief or pressure limiting stations comply with the requirements of 192.201?*
Assets Covered 90612
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
21. Question Result, ID, **NA, DC.DPCOPP.MULTISTAGE.R**,
References
Question Text *Do records indicate that the operator is installing multistage regulator equipment consistent with the requirements in WAC 480-93-130?*
Assets Covered 90612
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.

DC.DPC: Design of Pipe Components

22. Question Result, ID, **NA, DC.DPC.ILIPASS.R**, 192.150 (192.150(a), 192.150(c))
References
Question Text *Do records indicate that certain transmission pipeline components are designed and constructed to accommodate the passage of instrumented internal inspection devices?*
Assets Covered 90612
Result Notes No such requirement existed in the scope of inspection review.
23. Question Result, ID, **NA, DC.DPC.VALVSPACE.R**, 192.179(a) (192.179(a)(1), 192.179(a)(2), 192.179(a)(3), 192.179(a)(4),
References 192.179(b), 192.179(c), 192.179(d))
Question Text *Do records indicate that transmission line valve spacing is in accordance with 192.179(a)?*
Assets Covered 90612

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

24. Question Result, ID, References NA, DC.DPC.VALVSPACE.O, 192.141 (192.179(a), 192.179(b), 192.179(c), 192.179(d))

Question Text *Are transmission line valves being installed as required by 192.179?*

Assets Covered 90612

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

25. Question Result, ID, References NA, DC.DPC.INTCORRODE.R, 192.476(d) (192.476(b), 192.476(c), 192.476(a))

Question Text *Do records demonstrate the transmission line project has features incorporated into its design and construction to reduce the risk of internal corrosion, as required of 192.476?*

Assets Covered 90612

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

26. Question Result, ID, References NA, DC.DPC.INTCORRODE.O, 192.476(a) (192.476(b), 192.476(c))

Question Text *Does the transmission project's design and construction comply with 192.476?*

Assets Covered 90612

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

27. Question Result, ID, References NA, DC.DPC.CCPROTCOATLOWER.R, 192.143(b) (192.461(c)) (also presented in: DC.CO)

Question Text *Do records indicate that each pipe segment with external protective coating was inspected just prior to lowering into the ditch and backfilling, and any damage detrimental to effective corrosion control was repaired?*

Assets Covered 90612

Result Notes No such event occurred, or condition existed, in the scope of inspection review. No new const. since install in 2006.

28. Question Result, ID, References Sat, DC.DPC.CCELECTRICALISOL.R, 192.467(c) (192.143(b))

Question Text *Do operator's records indicate that each pipeline was electrically isolated from metallic casings that are a part of the underground system?*

Assets Covered 90612

Result Notes Solvay has 2 casings. Reviewed the cathodic protection survey records for the past three years, the casing is electrically isolated.

29. Question Result, ID, References NA, DC.DPC.CCELECTRICALISOL.O, 192.467(c) (192.143(b))

Question Text *Do field observations confirm that each pipeline was electrically isolated from metallic casings that are a part of the underground system?*

Assets Covered 90612

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

DC.MO: Maintenance and Operations

30. Question Result, ID, References NA, DC.MO.ICEXAMINE.R, 192.491(c) (192.475(a), 192.475(b), 192.475(c))

Question Text *Do records indicate examination of removed pipe for evidence of internal corrosion?*

Assets Covered 90612

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

31. Question Result, ID, References NA, DC.MO.ICEXAMINE.O, 192.475(a) (192.475(b), 192.475(c))

Question Text *Is examination of removed pipe conducted to determine any evidence of internal corrosion?*

Assets Covered 90612

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

32. Question Result, ID, References NA, DC.MO.MAOPLIMIT.O, 192.605(b)(5)

Question Text *During startup or shut-in, is it assured that the pressure limitations on the pipeline were not exceeded?*

Assets Covered 90612

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

33. Question Result, ID, NA, DC.MO.RECORDUPDATE.R,
References

Question Text *Do records indicate that records, maps, and drawings of gas facilities are updated not later than six months from completion of construction activity and made available to appropriate personnel?*

Assets Covered 90612

Result Notes No such event occurred, or condition existed, in the scope of inspection review. Solvay also reports yearly to NPMS

DC.PT: Pressure Testing

34. Question Result, ID, NA, DC.PT.PRESSTEST.R, 192.503(a) (192.503(b), 192.503(c), 192.503(d), 192.503(e)) (also presented
References in: DC.PTLOWPRESS)

Question Text *Do records indicate that pressure testing is conducted in accordance with 192.503?*

Assets Covered 90612

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

35. Question Result, ID, NA, DC.PT.PRESSTEST.O, 192.503(a) (192.503(b), 192.503(c), 192.503(d), 192.503(e)) (also presented
References in: DC.PTLOWPRESS)

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

Assets Covered 90612

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

36. Question Result, ID, NA, DC.PT.PRESSTESTHIGHSTRESS.R, 192.505(a) (192.143(a), 192.517(a), 192.505(b), 192.505(c),
References 192.505(d), 192.143(b), 192.143(c))

Question Text *Do records indicate that the sections of a pipeline operating at a hoop stress equal to or greater than 30% of SMYS were strength tested in accordance with the requirements of 192.505?*

Assets Covered 90612

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

37. Question Result, ID, NA, DC.PT.PRESSTESTHIGHSTRESS.O, 192.505(a) (192.143(a), 192.505(b), 192.505(c), 192.505(d),
References 192.143(b), 192.143(c))

Question Text *Do field observations confirm that sections of a pipeline operating at a hoop stress equal to or greater than 30% of SMYS are strength tested in accordance with the requirements of 192.505?*

Assets Covered 90612

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

38. Question Result, ID, NA, DC.PT.PRESSTESTENVIRON.R, 192.515(b) (192.629(a), 192.629(b)) (also presented in: DC.SPT,
References DC.PTLOWPRESS)

Question Text *Do records indicate while conducting tests under Subpart J – Test Requirements, the test medium disposal was conducted in a manner that minimized damage to the environment?*

Assets Covered 90612

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

39. Question Result, ID, NA, DC.PT.PRESSTESTENVIRON.O, 192.515(b) (192.629(a), 192.629(b)) (also presented in: DC.SPT,
References DC.PTLOWPRESS)

Question Text *Do field observations confirm while conducting tests under Subpart J – Test Requirements, the test medium was disposed of in an environmentally sound manner?*

Assets Covered 90612

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

40. Question Result, ID, NA, DC.PT.PRESSTESTSAFETY.R, 192.515(a) (192.629(a), 192.629(b)) (also presented in: DC.SPT,
References DC.PTLOWPRESS)

Question Text *Do records indicate while conducting tests under Subpart J – Test Requirements, every reasonable precaution was taken to protect its employees and the general public throughout the testing?*

Assets Covered 90612

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

41. Question Result, ID, NA, DC.PT.PRESSTESTSAFETY.O, 192.515(a) (192.629(a), 192.629(b)) (also presented in: DC.SPT,
References DC.PTLOWPRESS)

Question Text *Do field observations confirm while conducting tests under Subpart J – Test Requirements, every reasonable precaution is taken to protect its employees and the general public throughout the testing?*

Assets Covered 90612

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

42. Question Result, ID, NA, DC.PT.PRESSTESTRECORD.R, 192.517(a) (192.517(b)) (also presented in: DC.SPT, References DC.PTLOWPRESS)

Question Text *Do records indicate creation and retention of a record for each Subpart J test performed for the required duration?*

Assets Covered 90612

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

43. Question Result, ID, NA, DC.PT.EQUIPMENTCALIBRATION.R, References

Question Text *Do records indicate that pressure testing equipment is maintained and calibrated at appropriate intervals in accordance with the manufacturer's recommendations?*

Assets Covered 90612

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

DC.SPT: Spike Hydrotest

44. Question Result, ID, NA, DC.PT.PRESSTESTENVIRON.R, 192.515(b) (192.629(a), 192.629(b)) (also presented in: DC.PT, References DC.PTLOWPRESS)

Question Text *Do records indicate while conducting tests under Subpart J – Test Requirements, the test medium disposal was conducted in a manner that minimized damage to the environment?*

Assets Covered 90612

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

45. Question Result, ID, NA, DC.PT.PRESSTESTENVIRON.O, 192.515(b) (192.629(a), 192.629(b)) (also presented in: DC.PT, References DC.PTLOWPRESS)

Question Text *Do field observations confirm while conducting tests under Subpart J – Test Requirements, the test medium was disposed of in an environmentally sound manner?*

Assets Covered 90612

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

46. Question Result, ID, NA, DC.PT.PRESSTESTSAFETY.R, 192.515(a) (192.629(a), 192.629(b)) (also presented in: DC.PT, References DC.PTLOWPRESS)

Question Text *Do records indicate while conducting tests under Subpart J – Test Requirements, every reasonable precaution was taken to protect its employees and the general public throughout the testing?*

Assets Covered 90612

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

47. Question Result, ID, NA, DC.PT.PRESSTESTSAFETY.O, 192.515(a) (192.629(a), 192.629(b)) (also presented in: DC.PT, References DC.PTLOWPRESS)

Question Text *Do field observations confirm while conducting tests under Subpart J – Test Requirements, every reasonable precaution is taken to protect its employees and the general public throughout the testing?*

Assets Covered 90612

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

48. Question Result, ID, NA, DC.PT.PRESSTESTRECORD.R, 192.517(a) (192.517(b)) (also presented in: DC.PT, DC.PTLOWPRESS) References

Question Text *Do records indicate creation and retention of a record for each Subpart J test performed for the required duration?*

Assets Covered 90612

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

DC.PTLOWPRESS: Pressure Testing - Low Pressure

49. Question Result, ID, NA, DC.PT.PRESSTEST.R, 192.503(a) (192.503(b), 192.503(c), 192.503(d), 192.503(e)) (also presented in: DC.PT) References

Question Text *Do records indicate that pressure testing is conducted in accordance with 192.503?*

Assets Covered 90612

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

50. Question Result, ID, NA, DC.PT.PRESSTEST.O, 192.503(a) (192.503(b), 192.503(c), 192.503(d), 192.503(e)) (also presented References in: DC.PT)

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

Assets Covered 90612

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

51. Question Result, ID, NA, DC.PTLOWPRESS.PRESSTESTLOWSTRESS.R, 192.507 (192.505, 192.515, 192.517, ANSI/GPTC References Z380.1-2018 Appendix G-192-9)

Question Text *Do records indicate that, as applicable to the project, sections of a pipeline operating at a hoop stress less than 30% of SMYS and at or above 100 psig were tested in accordance with the requirements of 192.507?*

Assets Covered 90612

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

52. Question Result, ID, NA, DC.PTLOWPRESS.PRESSTESTLOWSTRESS.O, 192.507 (192.505, 192.515, ANSI/GPTC Z380.1-2018 References Appendix G-192-9)

Question Text *Do field observations confirm that sections of a pipeline operating at a hoop stress less than 30% of SMYS and at or above 100 psig are tested in accordance with the requirements of 192.507?*

Assets Covered 90612

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

53. Question Result, ID, NA, DC.PTLOWPRESS.PRESSTEST100PSIG.R, 192.509 (192.143, 192.517) References

Question Text *Do records indicate that the sections of a pipeline operated below 100 psig were leak tested in accordance with the section requirements of 192.509 (except for service lines and plastic pipelines)?*

Assets Covered 90612

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

54. Question Result, ID, NA, DC.PTLOWPRESS.PRESSTEST100PSIG.O, 192.509 (192.143) References

Question Text *Do field observations confirm that sections of a pipeline operated below 100 psig are leak tested in accordance with the requirements of 192.509 (except for service lines and plastic pipelines)?*

Assets Covered 90612

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

55. Question Result, ID, NA, DC.PT.PRESSTESTENVIRON.R, 192.515(b) (192.629(a), 192.629(b)) (also presented in: DC.PT, References DC.SPT)

Question Text *Do records indicate while conducting tests under Subpart J – Test Requirements, the test medium disposal was conducted in a manner that minimized damage to the environment?*

Assets Covered 90612

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

56. Question Result, ID, NA, DC.PT.PRESSTESTENVIRON.O, 192.515(b) (192.629(a), 192.629(b)) (also presented in: DC.PT, References DC.SPT)

Question Text *Do field observations confirm while conducting tests under Subpart J – Test Requirements, the test medium was disposed of in an environmentally sound manner?*

Assets Covered 90612

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

57. Question Result, ID, NA, DC.PT.PRESSTESTSAFETY.R, 192.515(a) (192.629(a), 192.629(b)) (also presented in: DC.PT, References DC.SPT)

Question Text *Do records indicate while conducting tests under Subpart J – Test Requirements, every reasonable precaution was taken to protect its employees and the general public throughout the testing?*

Assets Covered 90612

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

58. Question Result, ID, NA, DC.PT.PRESSTESTSAFETY.O, 192.515(a) (192.629(a), 192.629(b)) (also presented in: DC.PT, References DC.SPT)

Question Text *Do field observations confirm while conducting tests under Subpart J – Test Requirements, every reasonable precaution is taken to protect its employees and the general public throughout the testing?*

Assets Covered 90612

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

59. Question Result, ID, References NA, DC.PT.PRESSTESTRECORD.R, 192.517(a) (192.517(b)) (also presented in: DC.PT, DC.SPT)

Question Text *Do records indicate creation and retention of a record for each Subpart J test performed for the required duration?*

Assets Covered 90612

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

DC.TQ: Training and Qualification

60. Question Result, ID, References Sat, DC.TQ.ABNORMAL.R, 192.807(a) (192.803)

Question Text *Do records show evaluation of qualified individuals for recognition and reaction to AOCs?*

Assets Covered 90612

Result Notes Reviewed Tim Blume's recognition to AOCs in his Energy World Net profile. Reviewed tests, no issues.

61. Question Result, ID, References Sat, DC.TQ.RECORDS.R, 192.807(a) (Operators OQ program manual)

Question Text *Are qualification records maintained for operator personnel?*

Assets Covered 90612

Result Notes Solvay uses Everline Consulting for all maintenance activities on the pipeline. Tim Blume performs any covered tasks, reviewed his OQs, they were accurate and up to date. No issues.

EP.ERG: Emergency Response

62. Question Result, ID, References Sat, EP.ERG.REVIEW.R, 192.605(a)

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

Assets Covered 90612

Result Notes Reviewed annually.

63. Question Result, ID, References Sat, EP.ERG.LOCATION.O, 192.615(b)(1)

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

Assets Covered 90612

Result Notes Supervisors are provided access to all EPs. They have to review the plan annually. Reviewed documentation.

64. Question Result, ID, References NA, EP.ERG.POSTEVNTREVIEW.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 90612

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

65. 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: PD.PA)

Question Text *Do records indicate that liaison has been established and maintained with appropriate fire, police, public officials, and utility owners?*

Assets Covered 90612

Result Notes PA letter sent annually to the stakeholders listed in this question. O&M Section 7.10.10 gives the list of liaison's

MO.GC: Conversion to Service

66. Question Result, ID, References **NA, MO.GC.CONVERSION.R, 192.14(a) (192.14(b), 192.14(c))**
Question Text *Do records indicate the process was followed for converting any pipelines into Part 192 service?*
Assets Covered **90612**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

MO.GOABNORMAL: Gas Pipeline Abnormal Operations

67. Question Result, ID, References **NA, MO.GOABNORMAL.ABNORMAL.R, 192.605(a) (192.605(c)(1))**
Question Text *Did personnel respond to indications of abnormal operations as required by the process?*
Assets Covered **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
68. 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 **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

MO.GOCLASS: Gas Pipeline Class Location

69. 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 **90612**
Result Notes **No such requirement existed in the scope of inspection review.**
70. Question Result, ID, References **NA, MO.GO.CONTSURVEILLANCE.R, 192.709(c) (192.613(a), 192.613(b), 192.703(b), 192.703(c))** (also presented in: MO.GO)
Question Text *Do records indicate performance of continuing surveillance of facilities as required, and also the reconditioning, phasing out, or MAOP reduction in any pipeline segment that was determined to be in unsatisfactory condition but on which no immediate hazard existed?*
Assets Covered **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
71. Question Result, ID, References **NA, MO.GO.CONTSURVEILLANCE.O, 192.613(a) (192.613(b), 192.703(a), 192.703(b), 192.703(c))** (also presented in: MO.GO)
Question Text *Are unsatisfactory conditions being captured and addressed by continuing surveillance of facilities and the pipeline as required by 192.613?*
Assets Covered **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

MO.GOMAOP: Gas Pipeline MAOP

72. Question Result, ID, References **Sat, MO.GOMAOP.MAOPDETERMINE.R, 192.709(c) (192.619(a), 192.619(b), 192.619(f), 192.517)**
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 **90612**
Result Notes **Solvay MAOP is 150 psig. Pressure test minimum was 225psig and maximum was 250psig. Diameter: 6.625", Yield Strength (S): X42/X52, Wall Thickness (t): 0.280", Class Location: 1. Schedule 40 ASTM A53-B Seamless, Pipe Normal Operating Pressure: 60 psig @ 60°F, Hoop Stress: 1775 psig, % Specified Minimum Yield Strength (SMYS): 5.1%. The pipe was installed in 2006, reviewed original pressure test records.**

MO.GM: Gas Pipeline Maintenance

73. 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))** (also presented in: MO.GMOPP)
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 **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No jurisdictional overpressure protection**

According to a previous inspection in 2019 regarding overpressure protection. Solvay has a safety interlock in their system that closes the valve from the pipeline at their battery limit if the pressure reaches 145 psig. The interlock is tested annually. The compressor at Westlake Chemical was not capable to operate above 65 psig. The compressor max discharge pressure is limited to 100 psig at plant. Also Westlake has a pressure control valve that will close if the system gets to 70 psig and there is also a pressure safety valve on the compressor outlet that is set at 100 psig.
74. Question Result, ID, References **NA, 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 **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
75. Question Result, ID, References **NA, MO.GM.VALVEINSPECT.R, 192.709(c) (192.745(a), 192.745(b))**
Question Text *Do records indicate proper inspection and partial operation of transmission line valves that may be required during an emergency as required and prompt remedial actions taken if necessary?*
Assets Covered **90612**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
76. Question Result, ID, References **NA, MO.GM.VALVEINSPECT.O, 192.745(a) (192.745(b))**
Question Text *Are field inspection and partial operation of transmission line valves adequate?*
Assets Covered **90612**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

MO.GOODOR: Gas Pipeline Odorization

77. Question Result, ID, References **NA, 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 **90612**
Result Notes **No such requirement existed in the scope of inspection review. Hydrogen is non-odorized.**
78. Question Result, ID, References **NA, MO.GOODOR.ODORIZE.O, 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 **90612**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

MO.GO: Gas Pipeline Operations

79. Question Result, ID, References **NA, MO.GO.CONTSURVEILLANCE.R, 192.709(c) (192.613(a), 192.613(b), 192.703(b), 192.703(c))** (also presented in: MO.GOCLASS)
Question Text *Do records indicate performance of continuing surveillance of facilities as required, and also the reconditioning, phasing out, or MAOP reduction in any pipeline segment that was determined to be in unsatisfactory condition but on which no immediate hazard existed?*
Assets Covered **90612**

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

80. Question Result, ID, **NA, MO.GO.CONTSURVEILLANCE.O, 192.613(a) (192.613(b), 192.703(a), 192.703(b), 192.703(c))** (also References presented in: MO.GOCLASS)
Question Text *Are unsatisfactory conditions being captured and addressed by continuing surveillance of facilities and the pipeline as required by 192.613?*
Assets Covered **90612**
Result Notes No such event occurred, or condition existed, in the scope of inspection review.
81. Question Result, ID, References **Sat, MO.GO.OMANNUALREVIEW.R, 192.605(a)**
Question Text *Has the operator conducted annual reviews of the written procedures or processes in the manual as required?*
Assets Covered **90612**
Result Notes Reviewed revisions log in Solvay O&M, reviewed passed 3 years. Most changes are clerical or rule changes.
82. 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 **90612**
Result Notes Contractors are audited annually. Reviewed Solvay Hydrogen Pipeline Field Audit Form. No deficiencies.
83. 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 **90612**
Result Notes Yes, available to personnel when needed.
84. Question Result, ID, References **Sat, MO.GO.OMHISTORY.O, 192.605(b)(3)**
Question Text *Are construction records, maps and operating history available to appropriate operating personnel?*
Assets Covered **90612**
85. Question Result, ID, References **Sat, MO.GO.OMLOCATION.O, 192.605(a)**
Question Text *Are appropriate parts of the manual kept at locations where operations and maintenance activities are conducted?*
Assets Covered **90612**
86. Question Result, ID, References **NA, MO.GO.UPRATE.R, 192.553(b) (192.553(a), 192.553(c), 192.553(d))**
Question Text *Do records indicate the pressure uprating process was implemented per the requirements of 192.553?*
Assets Covered **90612**
Result Notes No such event occurred, or condition existed, in the scope of inspection review.

MO.GMOPP: Gas Pipeline Overpressure Protection

87. Question Result, ID, **NA, MO.GM.RECORDS.R, 192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c))** (also References presented in: MO.GM)
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 **90612**
Result Notes No such event occurred, or condition existed, in the scope of inspection review. No jurisdictional overpressure protection

According to a previous inspection in 2019 regarding overpressure protection. Solvay has a safety interlock in their system that closes the valve from the pipeline at their battery limit if the pressure reaches 145 psig. The interlock is tested annually. The compressor at Westlake Chemical was not capable to operate above 65 psig. The compressor max discharge pressure is limited to 100 psig at plant. Also

Westlake has a pressure control valve that will close if the system gets to 70 psig and there is also a pressure safety valve on the compressor outlet that is set at 100 psig.

88. Question Result, ID, References **NA, 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 **90612**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No jurisdictional overpressure protection.**

According to a previous inspection in 2019 regarding overpressure protection. Solvay has a safety interlock in their system that closes the valve from the pipeline at their battery limit if the pressure reaches 145 psig. The interlock is tested annually. The compressor at Westlake Chemical was not capable to operate above 65 psig. The compressor max discharge pressure is limited to 100 psig at plant. Also Westlake has a pressure control valve that will close if the system gets to 70 psig and there is also a pressure safety valve on the compressor outlet that is set at 100 psig.

89. Question Result, ID, References **NA, 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 **90612**
Result Notes **No jurisdictional overpressure protection**

According to a previous inspection in 2019 regarding overpressure protection. Solvay has a safety interlock in their system that closes the valve from the pipeline at their battery limit if the pressure reaches 145 psig. The interlock is tested annually. The compressor at Westlake Chemical was not capable to operate above 65 psig. The compressor max discharge pressure is limited to 100 psig at plant. Also Westlake has a pressure control valve that will close if the system gets to 70 psig and there is also a pressure safety valve on the compressor outlet that is set at 100 psig.

90. Question Result, ID, References **NA, MO.GMOPP.PRESSREGTEST.O, 192.739(a) (192.739(b), 192.743)**
Question Text *Are field or bench tests or inspections of regulating stations, pressure limiting stations or relief devices adequate?*
Assets Covered **90612**
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

MO.RW: ROW Markers, Patrols, Leakage Survey and Monitoring

91. Question Result, ID, References **Sat, MO.RW.PATROL.R, 192.709(c) (192.705(a), 192.705(b), 192.705(c))** (also presented in: PD.RW)
Question Text *Do records indicate that ROW surface conditions have been patrolled as required?*
Assets Covered **90612**
Result Notes **Solvay patrols their ROW every other month. Reviewed Solvay Right-of-Way and Crossing Form for 2020-2022.**
92. Question Result, ID, References **Sat, MO.RW.ROWMARKER.O, 192.707(a) (192.707(b), 192.707(c), 192.707(d))** (also presented in: PD.RW)
Question Text *Are line markers placed and maintained as required?*
Assets Covered **90612**
93. Question Result, ID, References **Sat, MO.RW.ROWCONDITION.O, 192.705(a) (192.705(c))** (also presented in: PD.RW)
Question Text *Are the ROW conditions acceptable for the type of patrolling used?*
Assets Covered **90612**
94. 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 90612
 Result Notes Marker surveys are done every other month. Reviewed a sampling line marker inspections for 2020-2022.
95. Question Result, ID, References Sat, MO.RW.LEAKAGE.R, 192.709(c) (192.706, 192.706(a), 192.706(b), 192.935(d))
 Question Text *Do records indicate leakage surveys conducted as required?*
 Assets Covered 90612
 Result Notes Solvay leak surveys their line monthly with a Forensic Detector FD-600, S/N 211013022, calibration 2/24/22. Reviewed a sampling of the Leak Survey Record Form. No issues.
96. Question Result, ID, References NA, MO.RW.CASINGLEAKSURVEY.R,
 Question Text *Do records indicate shorted casings were leak surveyed as required?*
 Assets Covered 90612
 Result Notes No such event occurred, or condition existed, in the scope of inspection review.
97. Question Result, ID, References NA, MO.RW.SPECIALLEAKSURVEY.R,
 Question Text *Do records indicate that special leak surveys have been conducted as required by WAC 480-93-188?*
 Assets Covered 90612
 Result Notes No such event occurred, or condition existed, in the scope of inspection review.
98. Question Result, ID, References NA, MO.RW.LEAKGRADE.R,
 Question Text *Do records indicate that the operator has graded leaks and determined the extent of each leak?*
 Assets Covered 90612
 Result Notes No such event occurred, or condition existed, in the scope of inspection review.
99. Question Result, ID, References NA, MO.RW.LEAKFOLLOWUP.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 90612
 Result Notes No such event occurred, or condition existed, in the scope of inspection review.
100. Question Result, ID, References NA, MO.RW.DOWNGRADELEAKREPAIR.R,
 Question Text *Do records indicate that leaks that have been downgraded are repaired within twenty-one months?*
 Assets Covered 90612
 Result Notes No such event occurred, or condition existed, in the scope of inspection review.
101. Question Result, ID, References NA, MO.RW.LEAKREPAIRTIME.R,
 Question Text *Do records indicate that leaks were repaired and re-evaluated within the timeframes specified in WAC 480-93-18601?*
 Assets Covered 90612
 Result Notes No such event occurred, or condition existed, in the scope of inspection review.
102. Question Result, ID, References Sat, MO.RW.LEAKRECORDS.R,
 Question Text *Have gas leak records been prepared and maintained as required?*
 Assets Covered 90612
 Result Notes Yes.
103. Question Result, ID, References Sat, MO.RW.LEAKCALIBRATE.R,
 Question Text *Do records indicate that gas detection equipment has been maintained and calibrated in accordance with the manufacturer's recommendations?*
 Assets Covered 90612

PD.DP: Damage Prevention

104. Question Result, ID, References **NA, PD.DP.ONECALL.O, 192.614(c)(3)**
Question Text *Observe operator process a "One Call" ticket.*
Assets Covered **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
105. 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 **90612**
Result Notes **Meets requirements. Solvay has not had an excavator dig with out a One Call ticket. Due to the short distance of the line ~90% of one call tickets are able to be cleared because the line crosses one public road.**
106. Question Result, ID, References **Sat, PD.DP.DPINFOGATHER.R, 192.947(b) (192.917(b), 192.935(b)(1)(ii))**
Question Text *Do records demonstrate that critical damage prevention information is being gathered and recorded during pipeline patrols, leakage surveys, and integrity assessments?*
Assets Covered **90612**
Result Notes **Solvay has not had an excavator dig with out a One Call ticket. Due to the short distance of the line ~90% of one call tickets are able to be cleared because the line crosses one public road.**
107. Question Result, ID, References **NA, PD.DP.NOTICETOEXCAVATOR.R,**
Question Text *Do records indicate that the operator provides the required information to excavators who damage pipeline facilities?*
Assets Covered **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
108. Question Result, ID, References **NA, PD.DP.COMMISSIONREPORT.R,**
Question Text *Do records indicate the operator reports to the commission when the operator or its contractor observes or becomes aware of the activities described in WAC 480-93-200(9)?*
Assets Covered **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

PD.PA: Public Awareness

109. 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: EP.ERG)
Question Text *Do records indicate that liaison has been established and maintained with appropriate fire, police, public officials, and utility owners?*
Assets Covered **90612**
Result Notes **PA letter sent annually to the stakeholders listed in this question. O&M Section 7.10.10 gives the list of liaison's**
110. Question Result, ID, References **Sat, PD.PA.LANGUAGE.R, 192.616(g) (API RP 1162 Section 2.3.1)**
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 **90612**
Result Notes **Solvay has evaluated that 90% of the surrounding area speaks English. The message is only sent in English. If demographics change the letter will go out in another language.**

PD.RW: ROW Markers, Patrols, Monitoring

111. Question Result, ID, References **Sat, MO.RW.PATROL.R, 192.709(c) (192.705(a), 192.705(b), 192.705(c))** (also presented in: MO.RW)
 Question Text *Do records indicate that ROW surface conditions have been patrolled as required?*
 Assets Covered **90612**
 Result Notes **Solvay patrols their ROW every other month. Reviewed Solvay Right-of-Way and Crossing Form for 2020-2022.**
112. Question Result, ID, References **Sat, MO.RW.ROWMARKER.O, 192.707(a) (192.707(b), 192.707(c), 192.707(d))** (also presented in: MO.RW)
 Question Text *Are line markers placed and maintained as required?*
 Assets Covered **90612**
113. Question Result, ID, References **Sat, MO.RW.ROWCONDITION.O, 192.705(a) (192.705(c))** (also presented in: MO.RW)
 Question Text *Are the ROW conditions acceptable for the type of patrolling used?*
 Assets Covered **90612**

PD.SP: Special Permits

114. Question Result, ID, References **NA, PD.SP.REPAIR.R, 190.341(d)(2)**
 Question Text *If the operator operates a pipeline under a special permit, do records indicate that required repairs were performed?*
 Assets Covered **90612**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

RPT.NR: Notices and Reporting

115. Question Result, ID, References **Sat, RPT.NR.CONTACTUPDATE.R,**
 Question Text *Do records indicate that the operator submits updated name, address, and phone numbers of emergency contacts/responsible officials to the commission and appropriate officials of ALL municipalities in which the company has pipeline facilities?*
 Assets Covered **90612**
 Result Notes **Contacts are listed in the O&M and updated annually if necessary.**
116. Question Result, ID, References **NA, RPT.NR.CONSTRUCTIONREPORT.R,**
 Question Text *Do records indicate the operator has filed a proposed construction report for construction or replacement of any segment of gas transmission pipeline of at least 100 feet in length?*
 Assets Covered **90612**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
117. Question Result, ID, References **NA, RPT.NR.PRESSURETESTNOTIFY.R,**
 Question Text *Do records indicate that the operator notified the commission 3 days prior to commencement of any pressure test of a gas pipeline that will have a MAOP that produces a hoop stress of twenty percent or more of the specified minimum yield strength?*
 Assets Covered **90612**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
118. Question Result, ID, References **NA, RPT.NR.PROXIMITYREQUEST.R,**
 Question Text *Do records demonstrate that the operator is in compliance with the proximity consideration requirements in WAC 480-93-020?*
 Assets Covered **90612**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

RPT.RR: Regulatory Reporting (Traditional)

119. Question Result, ID, References **Sat, RPT.RR.ANNUALREPORT.R, 191.17(a)**
 Question Text *Have complete and accurate Annual Reports utilizing the most recent form F 7 100.2-1 been submitted?*
 Assets Covered **90612**
 Result Notes **Submitted 2/23/23 for CY 2022, 1/20/22 for CY 2021, 1/8/21 for CY 2020. No issues**
120. Question Result, ID, References **Sat, RPT.RR.CONSTRUCTIONDEFECTS.R,**
 Question Text *Do records indicate that the operator has submitted timely and complete reports of construction defects and material failures that resulted in leaks?*
 Assets Covered **90612**
 Result Notes **Reviewed construction defects and material failure reports for 20-22. Submitted on time and accurate.**
121. Question Result, ID, References **NA, RPT.RR.IMMEDREPORT.R, 191.5(a) (191.7(a))**
 Question Text *Do records indicate immediate notifications of incidents were made in accordance with 191.5?*
 Assets Covered **90612**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
122. Question Result, ID, References **NA, RPT.RR.INCIDENTREPORT.R, 191.15(a) (192.624(a)(1), 192.624(a)(2))**
 Question Text *Do records indicate reportable incidents were identified and reports were submitted to DOT on the most recent Form within the required timeframe?*
 Assets Covered **90612**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
123. Question Result, ID, References **NA, RPT.RR.INCIDENTREPORTSUPP.R, 191.15(d)**
 Question Text *Do records indicate accurate supplemental incident reports were filed and within the required timeframe using the most recent Form?*
 Assets Covered **90612**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
124. Question Result, ID, References **NA, RPT.RR.FAILUREANALYSIS.R,**
 Question Text *Do records indicate that the operator submits failure analysis reports within 5 days of completion for incidents or hazardous conditions due to construction defects or material failures?*
 Assets Covered **90612**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
125. Question Result, ID, References **NA, RPT.RR.SRCR.R, 191.23(a) (191.23(b), 191.25(a), 191.25(b), 191.25(c))**
 Question Text *Do records indicate Safety-Related Condition Reports were filed as required?*
 Assets Covered **90612**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
126. Question Result, ID, References **Sat, RPT.RR.NPMSANNUAL.R, 191.29(a) (191.29(b))**
 Question Text *Do records indicate NPMS submissions were completed each year, on or before March 15, representing all in service, idle and retired assets as of December 31 of the previous year (excludes distribution lines and gathering lines) occurred, and that if no modifications occurred, an email was submitted stating that fact?*
 Assets Covered **90612**
 Result Notes **Submitted 2/23/23 CY 2022, 1/20/22 CY 2021**
127. Question Result, ID, References **NA, RPT.RR.PIPELINEMAPPING.R,**
 Question Text *Do records indicate that accurate maps (or updates) are provided for pipelines operating over 250 PSIG to specifications developed by the commission and sufficient to meet the needs of first responders?*
 Assets Covered **90612**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

128. Question Result, ID, References **Sat, RPT.RR.OPID.R, 191.22(a) (191.22(c), 191.22(d))**
 Question Text *Do records indicate appropriate obtaining, and control of, Operator Identification Numbers (OPIDs), including changes in entity, acquisition/divestiture, and construction/update/uprate?*
 Assets Covered **90612**
 Result Notes **Solvay OPID 32399. The OPID has not changed since the install of the pipe in 2006.**
129. Question Result, ID, References **NA, RPT.RR.DIRTREPORTS.R,**
 Question Text *Do records indicate that the operator has submitted reports of damage to the commission using the damage information reporting tool (DIRT) within 45 days?*
 Assets Covered **90612**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

TD.ATM: Atmospheric Corrosion

130. Question Result, ID, References **Sat, TD.ATM.ATMCORRODE.R, 192.491(c) (192.479(a), 192.479(b), 192.479(c))**
 Question Text *Do records document the protection of above ground pipe from atmospheric corrosion?*
 Assets Covered **90612**
 Result Notes **Reviewed atmospheric records from 5/2022, previous atmospheric records was 4/2019**
131. Question Result, ID, References **Sat, TD.ATM.ATMCORRODEINSP.R, 192.491(c) (192.481(a), 192.481(b), 192.481(c), 192.481(d))**
 Question Text *Do records document inspection of aboveground pipe for atmospheric corrosion?*
 Assets Covered **90612**
 Result Notes **Reviewed Atmospheric Corrosion Control Inspection Form. Inspected 5/10/22 by Eric Larson NWMF.**
132. Question Result, ID, References **Sat, TD.ATM.ATMCORRODEINSP.O, 192.481(b) (192.481(c), 192.479(a), 192.479(b), 192.479(c), 192.481(d))**
 Question Text *Is pipe that is exposed to atmospheric corrosion protected?*
 Assets Covered **90612**
 Result Notes **Atmospheric adequate at exposed areas**

TD.CPMONITOR: External Corrosion - CP Monitoring

133. Question Result, ID, References **Sat, TD.CPMONITOR.MONITORCRITERIA.R, 192.491(c) (192.463(a))**
 Question Text *Do records document that the CP monitoring criteria used was acceptable?*
 Assets Covered **90612**
 Result Notes **Solvay uses the "instant-off" -850mV criteria. When periodic CP checks are done, most read are "on". It was recommended they do record and "off reading" at least annually.**
134. Question Result, ID, References **Sat, TD.CPMONITOR.MONITORCRITERIA.O, 192.465(a) (192.463(a), 192.463(b), 192.463(c), Part 192, Appendix D)**
 Question Text *Are methods used for taking CP monitoring readings that allow for the application of appropriate CP monitoring criteria?*
 Assets Covered **90612**
 Result Notes **-850mV criteria is used, CP readings were taken "on"**
135. Question Result, ID, References **Sat, TD.CPMONITOR.TEST.R, 192.491(c) (192.465(a))**
 Question Text *Do records adequately document cathodic protection monitoring tests have occurred as required?*
 Assets Covered **90612**
 Result Notes **CP is checked every other month. Reviewed reads for last three years. All within acceptable criteria**
- Test sites are**

TS 1

6" Solvay Riser

Solvay Plan

TS 2

Solvay plant, N end RR casing

N of Slough

TS 3

casing vent Solvay Isolation

Westlake Chemical Isolation

136. Question Result, ID, References Sat, TD.CPMONITOR.CURRENTTEST.R, 192.491(c) (192.465(b))
Question Text *Do records document details of electrical checks of sources of rectifiers or other impressed current sources?*
Assets Covered 90612
Result Notes Solvays 1 rectifier is checked monthly. Reviewed documentation, no issues.
137. 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 90612
Result Notes See attachment
138. Question Result, ID, References NA, TD.CPMONITOR.REVCURRENTTEST.R, 192.491(c) (192.465(c))
Question Text *Do records document details of electrical checks interference bonds, diodes, and reverse current switches?*
Assets Covered 90612
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
139. Question Result, ID, References NA, TD.CPMONITOR.REVCURRENTTEST.O, 192.465(c)
Question Text *Are interference bonds, diodes, and reverse current switches properly maintained and are they functioning properly?*
Assets Covered 90612
Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
140. Question Result, ID, References NA, TD.CPMONITOR.DEFICIENCY.R, 192.491(c) (192.465(d))
Question Text *Do records adequately document actions taken to correct any identified deficiencies in corrosion control?*
Assets Covered 90612
Result Notes No such event occurred, or condition existed, in the scope of inspection review.
141. 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 90612
Result Notes Maps show test station locations along with a list of written descriptions.
142. Question Result, ID, References NA, 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 90612

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

143. Question Result, ID, NA, TD.CP.MONITOR.INTFCURRENT.R, 192.491(c) (192.473(a))
References

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 90612

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

144. Question Result, ID, Sat, TD.CP.RECORDS.R, 192.491(a) (192.491(b), 192.491(c)) (also presented in: TD.CP, References TD.CPEXPOSED)

Question Text *Do records indicate the location of all corrosion control items listed in §192.491(a)?*

Assets Covered 90612

Result Notes 1 rectifier, 3 CP test sites, 2 casings. locations listed in maps and records.

TD.CP: External Corrosion - Cathodic Protection

145. Question Result, ID, Sat, TD.CP.POST1971.R, 192.491(c) (192.455(a), 192.457(a), 192.452(a), 192.452(b), 192.455(f), References 192.455(g))

Question Text *Do records document that each buried or submerged pipeline installed after July 31, 1971, has been protected against external corrosion with a cathodic protection system within 1 year after completion of construction, conversion to service, or becoming jurisdictional onshore gathering?*

Assets Covered 90612

Result Notes Yes, CP was applied to the pipe within 1 year of completion, impressed current is used.

146. Question Result, ID, NA, TD.CP.PRE1971.O, 192.457(b)
References

Question Text *Are bare or coated pipes in compressor, regulator or meter stations installed before August 1, 1971 (except for cast and ductile iron lines) cathodically protected in areas where active corrosion was found in accordance with Subpart I of Part 192?*

Assets Covered 90612

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

147. Question Result, ID, NA, TD.CP.UNPROTECT.R, 192.491(c) (192.465(e))
References

Question Text *Do records adequately document the re-evaluation of non-cathodically protected buried pipelines for areas of active corrosion?*

Assets Covered 90612

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

148. Question Result, ID, NA, TD.CP.ELECISOLATE.R, 192.491(c) (192.467(a), 192.467(b), 192.467(c), 192.467(d), 192.467(e))
References

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 90612

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

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

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 90612

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

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

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

Assets Covered 90612

Result Notes CP checks are done monthly, casings are also. They are isolated.

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

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

Assets Covered 90612

Result Notes Casing under SR 432: -440mV CSE, -2080mV CSE pipe

Casing under RR Solvay Side (NE): -460mV CSE, -2080mV CSE pipe

Casing under RR Nippon Side SR 432 (SW): -500mV CSE, -1900mV CSE pipe

152. Question Result, ID, References Sat, TD.CP.RECORDS.R, 192.491(a) (192.491(b), 192.491(c)) (also presented in: TD.CPMONITOR, TD.CPEXPOSED)

Question Text *Do records indicate the location of all corrosion control items listed in §192.491(a)?*

Assets Covered 90612

Result Notes 1 rectifier, 3 CP test sites, 2 casings. locations listed in maps and records.

TD.COAT: External Corrosion - Coatings

153. Question Result, ID, References Sat, TD.COAT.NEWPIPE.R, 192.491(c) (192.455(a)(1), 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 90612

Result Notes Solvay's pipe is a steel FBE coated pipe, above and below ground.

TD.CPEXPOSED: External Corrosion - Exposed Pipe

154. Question Result, ID, References NA, TD.CPEXPOSED.EXPOSEINSPECT.R, 192.491(c) (192.459)

Question Text *Do records adequately document that exposed buried piping was examined for corrosion and deteriorated coating?*

Assets Covered 90612

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

155. Question Result, ID, References NA, TD.CPEXPOSED.EXPOSEINSPECT.O, 192.459

Question Text *Is exposed buried piping examined for corrosion and deteriorated coating?*

Assets Covered 90612

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

156. Question Result, ID, References NA, TD.CPEXPOSED.EXTCORRODREPAIR.R, 192.491(c) (192.485(a), 192.485(b), 192.485(c))

Question Text *Do records document the repair or replacement of pipe that has been externally corroded to an extent that there is not sufficient remaining pipe wall strength?*

Assets Covered 90612

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

157. Question Result, ID, References Sat, TD.CP.RECORDS.R, 192.491(a) (192.491(b), 192.491(c)) (also presented in: TD.CPMONITOR, TD.CP)

Question Text *Do records indicate the location of all corrosion control items listed in §192.491(a)?*

Assets Covered 90612

Result Notes 1 rectifier, 3 CP test sites, 2 casings. locations listed in maps and records.

TD.ICP: Internal Corrosion - Preventive Measures

158. Question Result, ID, References **NA, 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 **90612**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
159. Question Result, ID, References **NA, TD.ICP.EXAMINE.O, 192.475(a) (192.475(b))**
 Question Text *Is removed pipe examined for evidence of internal corrosion?*
 Assets Covered **90612**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
160. 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 **90612**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
161. Question Result, ID, References **NA, TD.ICP.REPAIRINT.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 **90612**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

TQ.PROT9: OQ Protocol 9

162. Question Result, ID, References **NA, 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 **90612**
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
163. 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 processes or operator approved contractor processes.*
 Assets Covered **90612**
 Result Notes **Time Blume from Everline consulting performed all OQ covered tasks. Tasks were performed IAW procedures.**
164. 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 **90612**
 Result Notes **Tim Blume, Everline Consulting, Field Technician OQ requal-4/2025.**
165. 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 **90612**
 Result Notes **Cognizant**
166. 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 90612

TQ.OQ: Operator Qualification

167. Question Result, ID, References Sat, TQ.OQ.OQCONTRACTOR.R, 192.807(a) (192.807(b))
Question Text *Are adequate records containing the required elements maintained for contractor personnel?*
Assets Covered 90612
Result Notes Reviewed Tim Blume is the only Everline field tech that performs OQ covered tasks. His qualifications were adequate and up to date.
168. Question Result, ID, References Sat, TQ.OQ.RECORDS.R, 192.807
Question Text *Do records document the evaluation and qualifications of individuals performing covered tasks, and can the qualification of individuals performing covered tasks be verified?*
Assets Covered 90612
Result Notes Reviewed
169. Question Result, ID, References Sat, TQ.OQ.TRAINING.R, 192.807(a) (192.807(b))
Question Text *Does the operator have records for initial qualification, re-training and re-evaluation of individuals performing covered tasks?*
Assets Covered 90612
170. Question Result, ID, References Sat, TQ.OQ.ABNORMAL.R, 192.807(a) (192.807(b), 192.803)
Question Text *Do records document evaluation of qualified individuals for recognition and reaction to AOCs?*
Assets Covered 90612
Result Notes Reviewed documentation

TQ.QU: Qualification of Personnel - Specific Requirements

171. 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 90612
Result Notes Time Blume from Everline consulting performed all OQ covered tasks. Qualifications were adequate.

TQ.QUOMCONST: Qualification of Personnel - Specific Requirements (O and M Construction)

172. 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 90612
Result Notes No such event occurred, or condition existed, in the scope of inspection review.
173. Question Result, ID, References NA, 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 that welders are adequately qualified?*
Assets Covered 90612
Result Notes No such event occurred, or condition existed, in the scope of inspection review.

TQ.TR: Training of Personnel

174. Question Result, ID, References Sat, TQ.TR.TRAINING.R, 192.615(b)(2) (192.807(a), 192.807(b))

Question Text *Is training for emergency response personnel documented?*

Assets Covered 90612

Result Notes Solvay uses Longview Fire Department for response in the ROW. Operations can also shut down flow in an emergency.

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.

FORM D: Intrastate GT Standard Records & Field 8633

UTC Standard Comprehensive Inspection Report
Intrastate GAS Transmission
FORM D: State-Specific Requirements

**** THIS FORM IS REQUIRED FOR USE FOR ALL INTRASTATE GAS TRANSMISSION OPERATORS. USE IN CONJUNCTION WITH THE "BASELINE RECORDS" and "BASELINE FIELD OBSERVATIONS" MODULES IN THE MOST CURRENT WA-SPECIFIC GT QUESTION SET**

Inspector and Operator Information

Inspection Link 8633	Inspector - Lead Anderson, Scott	Inspector - Assist
Operator Solvay Chemicals, Inc.	Unit Solvay	Records Location - City & State Longview, WA
Inspection Start Date 03-15-2023	Inspection Exit Interview Date 03-15-2023	Engineer Submit Date 03-17-2023

You must include the following in your inspection summary:

- *Inspection Scope
- *Facilities visited and Total AFOD
- * Summary of Significant Findings

Inspection Scope and Summary

This inspection consisted of a records and field review of Solvay Chemicals, Inc. Solvay operates a 6" hydrogen pipeline for approximately 481 feet across State Highway 432 in Longview, WA. The pipe was installed in 2006. Solvay does not have an IM plan as they do not have any HCAs. There are no jurisdictional valves, relief devices, or compressor stations.

Pipe Specs:

Diameter: 6.625"

Yield Strength (S): X42/X52

Wall Thickness (t): 0.280"

Class Location: 1

MAOP: 150 psig

Facilities visited and Total AFOD

1 AFOD

Summary of Significant Findings

No findings

Primary Operator contacts and/or participants

Pascal Mansy, Engineering and Maintenance Manager, Solvay Chemicals, Inc.

Tim Blume, PNW Field Service, Everline Consulting

Operator executive contact and mailing address for any official correspondence

Robert May

Vice President Industrial, Peroxides NA

3333 Richmond Avenue

Houston, Texas 77098

Instructions and Ratings Definitions

INSTRUCTIONS

S - Satisfactory

U - Unsatisfactory

Area Of Concern

N/A- Not Applicable (does not apply to this operator or system)

N/C - Not Checked/Evaluated (was not inspected during this inspection)

INSPECTION RESULTS

Satisfactory Responses
4

Unsatisfactory Responses
0

Area of Concern Responses
0

Not Applicable Responses
4

Not Checked / Evaluated Responses
0

Satisfactory List
1,2,4,5,

Unsatisfactory List

Area of Concern List

Not Applicable List
3,6,7,8,

Not Checked / Evaluated List

Unanswered Questions
0

Unanswered Questions List

****If an item is marked Unsat, AOC, N/A, or N/C, an explanation must be included in the "Notes" block for that question, and summarized in the appropriate "RECORDS/FIELD OBSERVATION: SUMMARY OF REQUIRED COMMENTS" section at the end of this form.**

▼ **INTRASTATE GT RECORDS REVIEW**

▼ **MAPPING RECORDS**

▼ **REPORTING RECORDS**

Question 1

Do records indicate that the operator filed with the commission, not later than March 15 of each year, applicable to the preceding calendar year: a copy of every Pipeline and Hazardous Materials Safety Administration (PHMSA) F-7100.2-1 annual report?

Q8 Reference
WAC 480-93-200(10)

Q1 Result
Satisfactory

Q1 Notes

▼ **DAMAGE PREVENTION RECORDS**

Question 2

Do records indicate that the operator's locating and excavation practices are in compliance with all RCW 19.122 requirements for facility operators? Does the records sample indicate that locates are made within two business days?

Q9 Reference
RCW 19.122

Q2 Result
Satisfactory

Q2 Notes
No locates requests in the passed 3 years

Question 3

Do records indicate that the operator uses a quality assurance program for monitoring the locating and marking of facilities? Does the operator conduct regular field audits of the performance of locators/contractors and implement appropriate corrective action when necessary?

Q3 Reference
PHMSA State Program Question

Q3 Result
Not Applicable

Q3 Notes
Due to the short distance of the line ~90% of one call tickets are able to be cleared because the line crosses one public road.

Question 4

Do records indicate that the operator's (organic or contracted) locator and excavator personel are properly qualified in accordance with the operator's OQ plan and with state OQ requirements?

Q4 Reference
WAC 480-93-013

Q4 Result
Satisfactory

Q4 Notes

Question 5

Do records indicate that the operator is meeting requirements in RCW 19.122.035 with respect to their duties after notice of excavation? Are examinations of uncovered pipe conducted prior to reburial? Does the operator immediately notify local first responders and the commission of any blowing gas leak that has ignited or represents a probable hazard to persons or property?

Q5 Reference

RCW 19.122.035

Q5 Result

Satisfactory

Q5 Notes

Question 6

Do records indicate that the operator reviews records of accidents and failures caused by excavation damage to ensure the causes of those failures are addressed to minimize the possibility of reoccurrence?

Q6 Reference

PHMSA State Programs Emphasis - no link

Q6 Result

Not Applicable

Q6 Notes

None in past 3 years

DESIGN/CONSTRUCTION RECORDS

Question 7

Do construction/installation records indicate that the operator is complying with WAC 480-93-115 requirements to seal the casing ends of any transmission line installed in a casing or conduit? If casings are installed, is the operator installing only bare steel casings?

Q21 Reference

WAC 480-93-115

Q7 Result

Not Applicable

Q7 Notes

casings are bare and sealed.

CORROSION CONTROL RECORDS

OPERATIONS & MAINTENANCE RECORDS

Question 8

Do odorization records demonstrate appropriate odorization levels, testing, instrumentation, calibration, and adherence to applicable intervals in accordance with WAC 480-93-015? Does the operator retain records of tests performed and equipment calibration for 5 years? Does the operator take prompt action to investigate and remediate odorant concentrations not meeting the minimum requirements (as applicable)?

Q8 Reference

WAC 480-93-015

Q8 Result

Not Applicable

Q8 Notes

you cannot odorize hydrogen

RECORDS: SUMMARY OF REQUIRED COMMENTS

RECORDS REVIEW SUMMARY: Comments are required for any rating other than "Satisfactory". Summarize the "Notes" blocks above, and ensure you annotate the question number for each comment

INTRASTATE GT: FIELD OBSERVATIONS

FIELD: SUMMARY OF REQUIRED COMMENTS

FIELD OBSERVATIONS SUMMARY: Comments are required for any rating other than "Satisfactory". Summarize the "Notes" blocks above and ensure you annotate the question number for each comment.
