

# Inspection Output (IOR)

Generated on 2014.8.15 10:03

## Inspection Information

Inspection Name <b>Tesoro Breakout tanks</b>	Operator(s) <b>TESORO LOGISTICS NORTHWEST PIPELINE LLC (39029)</b>	Plan Submitted <b>07/16/2014</b>
Status <b>PLANNED</b>	Lead <b>David Cullom</b>	Plan Approval <b>07/16/2014 by David Mulligan</b>
Start Year <b>2014</b>	Supervisor <b>David Mulligan, Joe Subsits, David D Lykken</b>	All Activity Start <b>--</b>
System Type <b>HL</b>	Director <b>Chris Hoidal</b>	All Activity End <b>--</b>
Protocol Set ID <b>HL.2014.01</b>		Inspection Submitted <b>--</b>
		Inspection Approval <b>--</b>

## Inspection Summary

All breakout tanks at the Pasco terminal and Spokane terminal were inspected. All the breakout tanks have been modified before the last inspection in 2010 to double bottoms with new tank bottom resting on a non-conductive liner on top of a concrete pad. The original tank bottom is now under the concrete pad. The cathodic protection for the concrete side of the tank bottom plate is no longer required. The piping inside both Pasco and Spokane terminals is above ground for the most part, but there are some below ground spools that do require cathodic protection. The field inspection included all the breakout tanks, all above ground piping, spill impoundment, security systems, firefighting equipment, atmospheric corrosion, drainage, cathodic protection, and tank foundations. A review was made of the records for tank monthly and annual in-service inspections, testing of overpressure safety devices & overflow protection systems, and atmospheric corrosion inspections. All API 653 out-of-service inspection reports occurring since the 2010 audit were reviewed. All API 653 in-service external inspection reports occurring since the 2010 audit were reviewed as well.

There was an issue with the operator's personnel having their OQ qualification to perform the monthly external inspection be in expired status when the inspection started, but the individual retested and was qualified before the inspection's completion.

The second compliance item was not having a procedure or records demonstrating that protection against ignitions arising out of static electricity, lightning, and stray currents during operation and maintenance activities involving above-ground breakout tanks were in accordance with API Recommended Practice 2003, or justification of why RP 2003 need not apply.

There were 4 total field days. July 21-24 Three of which were spent on site at the Spokane and Pasco terminals.

## Scope (Assets)

#	Short Label	Long Label	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Total Inspected	Required % Complete
1.	Unit 55935	55935	unit	55935	--	82	64	79	100.0%

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

## Plans

#	Plan Assets	Focus Directives	Involved Groups/Subgroups	Qst Type(s)	Extent	Notes
1.	Unit 55935	BO Tank Inspection	ALO, AR, CR, DC, EP, FS, IM, PD, RPT, SRN, TD, TQ, GENERIC	P, R, O, S	Detail	
2.	Unit 55935	OQ Protocol 9	ALO, AR, CR, DC, EP, FS, IM, PD, RPT, SRN, TD, TQ, GENERIC	P, R, O, S	Detail	
3.	Unit 55935	n/a	ALO	P, R, O, S	Detail	

## Plan Implementations

#	Activity Name	SMAR T Act#	Start Date	Focus Directives	Involved Groups/Subgroups	Assets	Qst Type(s)	Planned	Required	Total Inspected	Required % Complete
1	BO Tank Inspection	--	--	n/a	ALO, AR, CR, DC, EP, FS, IM, MO, PD, RPT, SRN, TD, TQ, GENERIC	Unit 55935	P, R, O, S	82	64	79	100.0%

- a. Since questions may be implemented in multiple activities, but answered only once, questions may be represented more than once in this table.
- b. Percent completion excludes unanswered questions planned as "always observe".

## Forms

No.	Entity	Form Name	Status	Date Completed	Activity Name	Asset
1.	Attendance List	Tesoro Breakout Tanks	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
2.	Breakout Tanks	T-1	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
3.	Breakout Tanks	T-10 (Demolished)	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
4.	Breakout Tanks	T-11	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
5.	Breakout Tanks	T-12	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
6.	Breakout Tanks	T-13	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
7.	Breakout Tanks	T-4	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
8.	Breakout Tanks	T-14	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
9.	Breakout Tanks	T-15	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
10.	Breakout Tanks	T-16	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
11.	Breakout Tanks	T-17	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
12.	Breakout Tanks	T-18	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
13.	Breakout Tanks	T-19	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
14.	Breakout Tanks	T-2	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
15.	Breakout Tanks	T-20 - (Out of Service)	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
16.	Breakout Tanks	T-21 - (Out of Service)	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
17.	Breakout Tanks	T-3	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
18.	Breakout Tanks	T-4502 (Pasco Relief Tank)	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
19.	Breakout Tanks	T-5 (Ethanol Non-DOT Tank)	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
20.	Breakout Tanks	T-5504 (Spokane Relief Tank)	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
21.	Breakout Tanks	T-6	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
22.	Breakout Tanks	T-7	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
23.	Breakout Tanks	T-8	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935
24.	Breakout Tanks	T-9	COMPLETED	08/15/2014	BO Tank Inspection	Unit 55935

## Results (all values, 79 results)

106 (instead of 79) results are listed due to re-presentation of questions in more than one sub-group.

### ALO.EP: Emergency Preparedness and Response

1. Question Result, ID, References [Sat, EP.ERL.LOCATION.O, 195.402\(a\)](#) (also presented in: EP.ERL)

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

Assets Covered [Unit 55935](#)

2. Question Result, ID, References [Sat, EP.EPO.OPALOCATION.O, 194.111\(a\) \(194.111\(b\)\)](#) (also presented in: EP.EPO)

Question Text *Is the response plan maintained at required locations?*  
Assets Covered [Unit 55935](#)

## ALO.FS: Facilities and Storage

3. Question Result, ID, References [Sat, FS.FG.SIGNAGE.O, 195.434](#) (also presented in: FS.FG)

Question Text *Are there operator signs around each pumping station, breakout tank area, and other applicable facilities?*  
Assets Covered [Unit 55935](#)

4. Question Result, ID, References [Sat, FS.FG.FACPROTECT.O, 195.436](#) (also presented in: FS.FG)

Question Text *Are facilities adequately protected from vandalism and unauthorized entry?*  
Assets Covered [Unit 55935](#)

5. Question Result, ID, References [Sat, FS.FG.IGNITION.O, 195.438](#) (also presented in: FS.FG)

Question Text *Is there signage that prohibits smoking and open flames around pump stations, launchers and receivers, breakout tank areas, or other applicable facilities?*  
Assets Covered [Unit 55935](#)

6. Question Result, ID, References [Sat, FS.FG.FIREPROT.O, 195.430\(a\) \(195.430\(b\); 195.430\(c\); 195.262\(e\)\)](#) (also presented in: FS.FG)

Question Text *Has adequate fire protection equipment been installed at pump station/breakout tank areas and is it maintained properly?*  
Assets Covered [Unit 55935](#)

7. Question Result, ID, References [Sat, FS.VA.VALVEMAIN.T.O, 195.420\(a\)](#) (also presented in: FS.VA)

Question Text *Are valves necessary for the safe operation the pipeline systems in good working order?*  
Assets Covered [Unit 55935](#)

8. Question Result, ID, References [Sat, FS.VA.VALVEPROTECT.O, 195.420\(c\)](#) (also presented in: FS.VA)

Question Text *Are valves protected from unauthorized operation and vandalism?*  
Assets Covered [Unit 55935](#)

9. Question Result, ID, References [NA, FS.TS.PRVTSTHVLBO.O, 195.428\(a\)](#) (also presented in: FS.TS)

Question Text *Do pressure control devices installed on HVL pressure breakout tanks appear to be in satisfactory mechanical condition and to be functioning properly?*  
Assets Covered [Unit 55935](#)  
Result Notes [No such relevant facilities/equipment existed in the scope of inspection review.](#)

10. Question Result, ID, References [Sat, FS.TS.OVERFILLBO.O, 195.428\(c\)](#) (also presented in: FS.TS)

Question Text *Do selected overflow protection systems on aboveground breakout tanks that were constructed or significantly altered after October 2, 2000 function properly and are they in good mechanical condition? [Note: This question applies to both non-HVL and HVL pressure breakout tanks.]*  
Assets Covered [Unit 55935](#)

11. Question Result, ID, References [Sat, FS.TS.BOINSPECTION.O, 195.432\(a\) \(195.432\(b\); 195.432\(c\); 195.401\(b\)\)](#) (also presented in: FS.TS)

Question Text *Is the condition of steel atmospheric or low pressure tanks acceptable?*  
Assets Covered [Unit 55935](#)

12. Question Result, ID, References [NA, FS.TS.BOVENT.O, 195.264\(d\)](#) (also presented in: FS.TS)

Question Text *Is normal/emergency relief venting and pressure/vacuum-relieving devices installed on aboveground breakout tanks after October 2, 2000 adequate?*  
Assets Covered [Unit 55935](#)  
Result Notes [No such relevant facilities/equipment existed in the scope of inspection review. No vents have been](#)

added after October 2, 2000 to the tanks.

## ALO.MO: Maintenance and Operations

13. Question Result, ID, References **Sat, MO.LO.OMLOCATION.O, 195.402(a)** (also presented in: MO.LO)  
Question Text *Are appropriate parts of the manual kept at locations where operations and maintenance activities are conducted?*  
Assets Covered **Unit 55935**

## ALO.PROT9: OQ Protocol 9

14. Question Result, ID, References **Sat, TQ.PROT9.TASKPERFORMANCE.O, 195.501(a) (195.509(a))** (also presented in: TQ.PROT9)  
Question Text *Verify the qualified individuals performed the observed covered tasks in accordance with the operator's procedures or operator approved contractor procedures.*  
Assets Covered **Unit 55935**

15. Question Result, ID, References **Unsat, TQ.PROT9.QUALIFICATIONSTATUS.O, 195.501(a) (195.509(a))** (also presented in: TQ.PROT9)  
Question Text *Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks.*  
Assets Covered **Unit 55935**

Result Issue Summary **For employee Yantzee Everett covered task (CT-18 Inspection of breakout tanks.) He has been performing the monthly tank inspections. From April 2014 until this inspection he was expired on his qualification for this task and the were no records of qualification under Chevron or Tesoro for him to perform this task. The OQ HQ plan for Tesoro's handling of mergers and acquisitions may need to be reviewed during the next integrated OQ HQ audit.**

Standard Issues **A2 (Significant impact/limited occurrence) : 195.507(a)(3) : Inadequate documentation of completed actions**

Additional Comments 


16. Question Result, ID, References **Sat, TQ.PROT9.AOCRECOG.O, 195.501(a) (195.509(a))** (also presented in: TQ.PROT9)  
Question Text *Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed.*  
Assets Covered **Unit 55935**

17. Question Result, ID, References **Unsat, TQ.PROT9.VERIFYQUAL.O, 195.501(a) (195.509(a))** (also presented in: TQ.PROT9)  
Question Text *Verify the qualification records are current, and ensure the personal identification of all individuals performing covered tasks are checked, prior to task performance.*  
Assets Covered **Unit 55935**

Additional Comments 


18. Question Result, ID, References **NA, TQ.PROT9.CORRECTION.O, 195.501(a) (195.509(a))** (also presented in: TQ.PROT9)  
Question Text *Have potential issues identified by the headquarters inspection process been corrected at the operational level?*  
Assets Covered **Unit 55935**  
Result Notes **No such activity/condition was observed during the inspection. The HQ OQ needs to occur and then this item will be able to be properly**

## ALO.TD: Time-Dependent Threats

19. Question Result, ID, References **NA, TD.CPMONITOR.TESTLEADMAINT.O, 195.567(c)** (also presented in: TD.CPMONITOR)  
Question Text *Are CP test lead wires properly maintained?*

Assets Covered **Unit 55935**

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

20. Question Result, ID, References **Sat, TD.CPMONITOR.MONITOR.O, 195.571** (also presented in: TD.CPMONITOR)

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

Assets Covered **Unit 55935**

21. Question Result, ID, References **Sat, TD.CPMONITOR.CURRENTTEST.O, 195.573(c)** (also presented in: TD.CPMONITOR)

Question Text *Are rectifiers, interference bonds, diodes, and reverse current switches properly maintained and are they functioning properly?*

Assets Covered **Unit 55935**

22. Question Result, ID, References **NA, TD.CPBO.BO.O, 195.573(d)** (also presented in: TD.CPBO)

Question Text *Are cathodic protection monitoring tests performed correctly on breakout tank bottoms?*

Assets Covered **Unit 55935**

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

23. Question Result, ID, References **Sat, TD.CP.ISOLATE.O, 195.575(a) (195.575(b); 195.575(c); 195.575(d))** (also presented in: TD.CP)

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

Assets Covered **Unit 55935**

24. Question Result, ID, References **NA, TD.CPMONITOR.INTFRCURRENT.O, 195.577(a)** (also presented in: TD.CPMONITOR)

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

Assets Covered **Unit 55935**

Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No stray current has been found on either the Pasco or Spokane facilities**

25. Question Result, ID, References **Sat, TD.ATM.ATMCORRODEINSP.O, 195.583(c) (195.581(a))** (also presented in: TD.ATM)

Question Text *Is aboveground pipe that is exposed to atmospheric corrosion protected?*

Assets Covered **Unit 55935**

26. Question Result, ID, References **NA, TD.ICP.INHIBITOR.O, 195.579(b)** (also presented in: TD.ICP)

Question Text *Are internal corrosion monitoring devices placed in appropriate locations?*

Assets Covered **Unit 55935**

Result Notes **No such activity/condition was observed during the inspection. The product is not inherently corrosive, but the tanks are lined to mitigate IC.**

## **ALO.TQ: Training and Qualification**

27. Question Result, ID, References **Sat, TQ.OQ.OQPLAN.O, 195.505(h)** (also presented in: TQ.OQ)

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

Assets Covered **Unit 55935**

## **DC.TSNEW: New Tanks and Storage**

28. Question Result, ID, References **NA, DC.TSNEW.BOSPEC.P, 195.132(a) (195.132(b))**

Question Text *Are new aboveground breakout tanks required to be designed and constructed to the specifications required by §195.132?*

Assets Covered [Unit 55935](#)

Result Notes [No such event occurred, or condition existed, in the scope of inspection review.](#)

29. Question Result, ID, References [NA, DC.TSNEW.BOSPEC.R, 195.132\(b\)](#)

Question Text *Do records indicate new aboveground breakout tanks designed and constructed to the specifications required by §195.132(b)?*

Assets Covered [Unit 55935](#)

Result Notes [No such event occurred, or condition existed, in the scope of inspection review.](#)

## **DC.PTBO: Pressure Testing - Breakout Tanks**

30. Question Result, ID, References [NA, DC.PTBO.BOPRESSTEST.P, 195.202 \(195.307\(a\); 195.307\(b\); 195.307\(c\); 195.307\(e\); 195.310; API Specification 12F; API 620; API 650\)](#)

Question Text *Have written test procedures been developed for testing new breakout tanks in accordance with §195.307?*

Assets Covered [Unit 55935](#)

Result Notes [No such event occurred, or condition existed, in the scope of inspection review.](#)

31. Question Result, ID, References [NA, DC.PTBO.BOPRESSTESTMODIFY.P, 195.402\(c\) \(195.307\(d\); 195.310\(a\); 195.310\(b\); API 653\)](#)

Question Text *Have written test procedures been developed for testing repaired, altered, or reconstructed breakout tanks that were returned to service after October 2, 2000?*

Assets Covered [Unit 55935](#)

Result Notes [No such event occurred, or condition existed, in the scope of inspection review.](#)

## **DC.TSNEW: New Tanks and Storage**

32. Question Result, ID, References [NA, DC.TSNEW.BOIMPOUNDPROTECT.P, 195.202 \(195.264\(a\); 195.264\(b\); 195.264\(c\); 195.264\(d\); 195.264\(e\)\)](#)

Question Text *Are new aboveground breakout tank impoundments, protection against entry, normal/emergency venting or pressure/vacuum reliefs required to comply with the requirements of §195.264?*

Assets Covered [Unit 55935](#)

Result Notes [No such event occurred, or condition existed, in the scope of inspection review.](#)

## **DC.CO: Construction**

33. Question Result, ID, References [Sat, DC.CO.VALVEPROTECT.O, 195.258\(a\)](#)

Question Text *Are valves accessible to authorized employees and protected from damage or tampering?*

Assets Covered [Unit 55935](#)

34. Question Result, ID, References [Sat, DC.CO.VALVELOCATION.O, 195.260\(a\) \(195.260\(b\); 195.260\(c\); 195.260\(d\); 195.260\(e\); 195.260\(f\)\)](#)

Question Text *Are valves located as specified by §195.260?*

Assets Covered [Unit 55935](#)

## **DC.MO: Maintenance and Operations**

35. Question Result, ID, References [Sat, DC.MO.SAFETY.P, 195.402\(a\) \(195.422\(a\); 195.402\(c\)\(14\)\)](#)

Question Text *Does the process ensure that pipeline maintenance construction and testing activities are made in a safe manner and are made so as to prevent damage to persons and property?*

Assets Covered [Unit 55935](#)

## **DC.TS: Tanks and Storage**

36. Question Result, ID, References [Sat, DC.TS.BOCP.P, 195.402\(c\)\(3\) \(195.565; 195.563\(d\)\)](#)

Question Text *Is cathodic protection on breakout tanks required to be installed in accordance with API RP 651?*  
Assets Covered [Unit 55935](#)

37. Question Result, ID, References [NA, DC.TS.BOCP.O, 195.565 \(195.563\(d\)\)](#)

Question Text *Is cathodic protection on breakout tanks being installed in accordance with API RP 651?*  
Assets Covered [Unit 55935](#)

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

38. Question Result, ID, References [Sat, DC.TS.BOBOTTOM.P, 195.402\(c\) \(195.579\(d\)\)](#)

Question Text *Are bottom linings required to be installed in aboveground breakout tanks to meet the requirements specified in §195.579(d)?*

Assets Covered [Unit 55935](#)

39. Question Result, ID, References [Sat, DC.TS.BOMODIFY.P, 195.205\(a\) \(195.205\(b\)\)](#)

Question Text *Are breakout tanks required to be repaired, altered, or reconstructed in compliance with the requirements of §195.205?*

Assets Covered [Unit 55935](#)

40. Question Result, ID, References [NA, DC.TS.BOMODIFY.R, 195.266 \(195.205\(b\)\)](#)

Question Text *Do records indicate breakout tanks repaired, altered, or reconstructed in compliance with the requirements of §195.205(b)?*

Assets Covered [Unit 55935](#)

Result Notes *No such event occurred, or condition existed, in the scope of inspection review. No changes since 2006 when they put in the double bottoms.*

## EP.EPO: Emergency Planning OPA

41. Question Result, ID, References [Sat, EP.EPO.OPALLOCATION.O, 194.111\(a\) \(194.111\(b\)\)](#) (also presented in: ALO.EP)

Question Text *Is the response plan maintained at required locations?*

Assets Covered [Unit 55935](#)

## EP.ERL: Emergency Response Liquids

42. Question Result, ID, References [Sat, EP.ERL.LOCATION.O, 195.402\(a\)](#) (also presented in: ALO.EP)

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

Assets Covered [Unit 55935](#)

## FS.TSAPIINSPECT: Tanks and Storage - Inspection

43. Question Result, ID, References [NA, FS.TSAPIINSPECT.BOINSPECTION.R, 195.404\(c\)\(3\) \(195.432\(a\)\)](#)

Question Text *Do records document that breakout tanks that are not steel atmospheric or low pressure tanks or HVL steel tanks built according to API 2510 have been inspected at the proper interval and that deficiencies found during inspections have been corrected?*

Assets Covered [Unit 55935](#)

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

44. Question Result, ID, References [Sat, FS.TSAPIINSPECT.BOINSRVCLNSP.P, 195.402\(c\)\(3\) \(195.432\(b\)\)](#)

Question Text *Does the process describe the interval and method for performing routine in-service inspections of steel atmospheric or low pressure breakout tanks?*

Assets Covered [Unit 55935](#)

45. Question Result, ID, [Sat, FS.TSAPIINSPECT.BOINSRVCLNSP.R, 195.404\(c\)\(3\) \(195.432\(b\)\)](#)

References

Question Text *Do records document that steel atmospheric or low pressure breakout tanks have received routine in-service inspections at the required intervals and that deficiencies found during inspections have been documented?*

Assets Covered **Unit 55935**

46. Question Result, ID, References **Sat, FS.TSAPIINSPECT.BOEXTINSP.P, 195.402(c)(3) (195.432(b))**

Question Text *Does the process describe the interval and method for performing external inspections of breakout tanks that are steel (atmospheric or low pressure) tanks?*

Assets Covered **Unit 55935**

47. Question Result, ID, References **Sat, FS.TSAPIINSPECT.BOEXTINSP.R, 195.404(c)(3) (195.432(b))**

Question Text *Do records document that steel atmospheric or low pressure breakout tanks have received external inspections at the required intervals and that deficiencies documented during inspections have been corrected within a reasonable time frame?*

Assets Covered **Unit 55935**

48. Question Result, ID, References **Sat, FS.TSAPIINSPECT.BOEXTUTINSP.P, 195.402(c)(3) (195.432(b))**

Question Text *Does the process describe the interval and method for performing external, ultrasonic thickness inspections of breakout tanks that are steel (atmospheric or low pressure) tanks?*

Assets Covered **Unit 55935**

49. Question Result, ID, References **Sat, FS.TSAPIINSPECT.BOEXTUTINSP.R, 195.404(c)(3) (195.432(b))**

Question Text *Do records document that steel atmospheric or low pressure breakout tanks have received ultrasonic thickness inspections at the required intervals and that deficiencies found during inspections have been documented?*

Assets Covered **Unit 55935**

50. Question Result, ID, References **Sat, FS.TSAPIINSPECT.BOINTINSP.P, 195.402(c)(3) (195.432(b))**

Question Text *Does the process describe the interval and method for performing formal internal inspections of breakout tanks that are steel (atmospheric or low pressure) tanks?*

Assets Covered **Unit 55935**

51. Question Result, ID, References **Sat, FS.TSAPIINSPECT.BOINTINSP.R, 195.404(c)(3) (195.432(b))**

Question Text *Do records document that steel atmospheric or low pressure breakout tanks have received formal internal inspections at the required intervals and that deficiencies found during inspections have been documented?*

Assets Covered **Unit 55935**

52. Question Result, ID, References **NA, FS.TSAPIINSPECT.BOEXTINSPAPI2510.P, 195.402(c)(3) (195.432(c))**

Question Text *Does the process describe the interval and method for performing visual external inspections of in-service pressure steel aboveground breakout tanks built to API Standard 2510?*

Assets Covered **Unit 55935**

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

53. Question Result, ID, References **NA, FS.TSAPIINSPECT.BOEXTINSPAPI2510.R, 195.404(c)(3) (195.432(c))**

Question Text *Do records document that in-service pressure steel aboveground breakout tanks built to API Standard 2510 have received visual external inspections at the required intervals and that deficiencies found have been corrected?*

Assets Covered **Unit 55935**

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

54. Question Result, ID, References **NA, FS.TSAPIINSPECT.BOINTINSPAPI2510.P, 195.402(c)(3) (195.432(c))**

Question Text *Does the process describe the interval and method for performing internal inspections of in-service pressure steel aboveground breakout tanks built to API Standard 2510?*

Assets Covered **Unit 55935**

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

55. Question Result, ID, References **NA, FS.TSAPIINSPECT.BOINTINSAPI2510.R, 195.404(c)(3) (195.432(c))**

Question Text *Do records document that in-service pressure steel aboveground breakout tanks built to API Standard 2510 received internal inspections at the required intervals and that deficiencies found have been corrected?*

Assets Covered **Unit 55935**

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

## **FS.FG: Facilities General**

56. Question Result, ID, References **Sat, FS.FG.SIGNAGE.P, 195.402(c)(3) (195.434)**

Question Text *Does the process require operator signs to be posted around each pump station and breakout tank area?*

Assets Covered **Unit 55935**

57. Question Result, ID, References **Sat, FS.FG.SIGNAGE.O, 195.434** (also presented in: ALO.FS)

Question Text *Are there operator signs around each pumping station, breakout tank area, and other applicable facilities?*

Assets Covered **Unit 55935**

58. Question Result, ID, References **Sat, FS.FG.PROTECTION.P, 195.402(c)(3) (195.436)**

Question Text *Does the process require facilities to be protected from vandalism and unauthorized entry?*

Assets Covered **Unit 55935**

59. Question Result, ID, References **Sat, FS.FG.FACPROTECT.O, 195.436** (also presented in: ALO.FS)

Question Text *Are facilities adequately protected from vandalism and unauthorized entry?*

Assets Covered **Unit 55935**

60. Question Result, ID, References **Sat, FS.FG.IGNITION.P, 195.402(c)(3) (195.438)**

Question Text *Does the process prohibit smoking and open flames in each pump station and breakout tank area or where there is the possibility of the leakage of a flammable hazardous liquid or of the presence of flammable vapors?*

Assets Covered **Unit 55935**

61. Question Result, ID, References **Sat, FS.FG.IGNITION.O, 195.438** (also presented in: ALO.FS)

Question Text *Is there signage that prohibits smoking and open flames around pump stations, launchers and receivers, breakout tank areas, or other applicable facilities?*

Assets Covered **Unit 55935**

62. Question Result, ID, References **Sat, FS.FG.FIREPROT.P, 195.402(c)(3) (195.430(a); 195.430(b); 195.430(c))**

Question Text *Does the process require firefighting equipment at pump station/breakout tank areas?*

Assets Covered **Unit 55935**

63. Question Result, ID, References **Sat, FS.FG.FIREPROT.O, 195.430(a) (195.430(b); 195.430(c); 195.262(e))** (also presented in: ALO.FS)

Question Text *Has adequate fire protection equipment been installed at pump station/breakout tank areas and is it maintained properly?*

Assets Covered **Unit 55935**

## **FS.TS: Tanks and Storage**

64. Question Result, ID, References **NA, FS.TS.PRVTSTHVLBO.P, 195.402(c)(3) (195.428(b))**

Question Text *Does the process require inspection and testing of pressure relief valves on HVL pressure breakout tanks at the required frequency?*

Assets Covered Unit 55935

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

65. Question Result, ID, References NA, FS.TS.PRVTSTHVLBO.R, 195.404(c)(3) (195.428(b))

Question Text *Do records document testing and inspection of relief valves on HVL pressure breakout tanks at the required frequency?*

Assets Covered Unit 55935

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

66. Question Result, ID, References NA, FS.TS.PRVTSTHVLBO.O, 195.428(a) (also presented in: ALO.FS)

Question Text *Do pressure control devices installed on HVL pressure breakout tanks appear to be in satisfactory mechanical condition and to be functioning properly?*

Assets Covered Unit 55935

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

67. Question Result, ID, References Sat, FS.TS.OVERFILLBO.P, 195.402(c)(3) (195.428(a); 195.428(c); 195.428(d))

Question Text *Does the process require adequate testing and inspection of overfill devices on aboveground breakout tanks at the required interval? [Note: This question applies to both non-HVL and HVL pressure breakout tanks.]*

Assets Covered Unit 55935

68. Question Result, ID, References Sat, FS.TS.OVERFILLBO.R, 195.404(c)(3) (195.428(a); 195.428(c); 195.428(d))

Question Text *Do records document the inspection and testing of overfill protection devices on aboveground breakout tanks at the required interval? [Note: This question applies to both non-HVL and HVL pressure breakout tanks.]*

Assets Covered Unit 55935

69. Question Result, ID, References Sat, FS.TS.OVERFILLBO.O, 195.428(c) (also presented in: ALO.FS)

Question Text *Do selected overfill protection systems on aboveground breakout tanks that were constructed or significantly altered after October 2, 2000 function properly and are they in good mechanical condition? [Note: This question applies to both non-HVL and HVL pressure breakout tanks.]*

Assets Covered Unit 55935

70. Question Result, ID, References Sat, FS.TS.BOINSPECTION.O, 195.432(a) (195.432(b); 195.432(c); 195.401(b)) (also presented in: ALO.FS)

Question Text *Is the condition of steel atmospheric or low pressure tanks acceptable?*

Assets Covered Unit 55935

71. Question Result, ID, References Unsat, FS.TS.IGNITIONBO.P, 195.402(c)(3) (195.405(a))

Question Text *Does the process describe how the operator protects against ignitions arising out of static electricity, lightning, and stray currents during operation and maintenance activities of aboveground breakout tanks?*

Assets Covered Unit 55935

Result Issue Summary The operator did not have reference to or note in the procedural manual why compliance with all or certain provisions of API Recommended Practice 2003 is not necessary for the safety of a particular breakout tank or tank farm.

Standard Issues A1 (Significant impact/widespread occurrence) : 195.402(c)(3) : No process

Additional Comments

Decision

72. Question Result, ID, References Unsat, FS.TS.IGNITIONBO.R, 195.404(c) (195.405(a))

Question Text *Do records indicate protection against ignitions arising out of static electricity, lightning, and stray currents during operation and maintenance activities of aboveground breakout tanks?*

Assets Covered Unit 55935

Result Issue Summary **There were no records due to the lack of a procedure or a justification by the operator as to why API Recommended Practice 2003 is not necessary for the safety of a particular breakout tank or tank farm.**

Additional Comments  
Decision

73. Question Result, ID, References **Sat, FS.TS.FLOATINGROOF.P, 195.402(c)(3) (195.405(b))**  
Question Text *Does the process associated with access/egress onto floating roofs of in-service aboveground breakout tanks to perform inspection, service, maintenance or repair activities of in-service tanks indicate that the operator has reviewed and considered the potentially hazardous conditions, safety practices and procedures in API Publication 2026?*  
Assets Covered **Unit 55935**
74. Question Result, ID, References **Sat, FS.TS.FLOATINGROOF.R, 195.404(c) (195.405(b))**  
Question Text *Do records indicate access/egress onto floating roofs of in-service aboveground breakout tanks to perform inspection, service, maintenance, or repair activities of in-service tanks is performed consistent with API Publication 2026?*  
Assets Covered **Unit 55935**
75. Question Result, ID, References **NA, FS.TS.IMPOUNDBO.R, 195.404(c) (195.264(b))**  
Question Text *If a breakout tank first went into service after October 2, 2000 do records indicate it has an adequate impoundment?*  
Assets Covered **Unit 55935**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
76. Question Result, ID, References **NA, FS.TS.IMPOUNDBO.O, 195.264(b)**  
Question Text *If a breakout tank first went into service after October 2, 2000 does it have an adequate impoundment?*  
Assets Covered **Unit 55935**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
77. Question Result, ID, References **Sat, FS.TS.VENTBO.R, 195.404(c) (195.264(d))**  
Question Text *Do records indicate that normal/emergency relief venting and pressure/vacuum-relieving devices installed on aboveground breakout tanks after October 2, 2000 are adequate?*  
Assets Covered **Unit 55935**
78. Question Result, ID, References **NA, FS.TS.BOVENT.O, 195.264(d) (also presented in: ALO.FS)**  
Question Text *Is normal/emergency relief venting and pressure/vacuum-relieving devices installed on aboveground breakout tanks after October 2, 2000 adequate?*  
Assets Covered **Unit 55935**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No vents have been added after October 2, 2000 to the tanks.**
79. Question Result, ID, References **Sat, FS.TS.PRESSTESTBO.R, 195.310(a) (195.310(b); 195.307)**  
Question Text *Have aboveground breakout tanks been pressure tested to their corresponding API or ASME Standard or Specification and do pressure test records contain the required information?*  
Assets Covered **Unit 55935**

## FS.VA: Valves

80. Question Result, ID, References **Sat, FS.VA.VALVEMAIN.O, 195.420(a) (also presented in: ALO.FS)**  
Question Text *Are valves necessary for the safe operation the pipeline systems in good working order?*  
Assets Covered **Unit 55935**
81. Question Result, ID, References **Sat, FS.VA.VALVEPROTECT.O, 195.420(c) (also presented in: ALO.FS)**

Question Text *Are valves protected from unauthorized operation and vandalism?*  
Assets Covered [Unit 55935](#)

## MO.LO: Liquid Pipeline Operations

82. Question Result, ID, References [Sat, MO.LO.OMLOCATION.O, 195.402\(a\)](#) (also presented in: ALO.MO)

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

Assets Covered [Unit 55935](#)

## TD.CPBO: External Corrosion - Breakout Tank Cathodic Protection

83. Question Result, ID, References [Sat, TD.CPBO.BO651.P, 195.402\(c\)\(3\) \(195.565, 195.563\(d\)\)](#)

Question Text *Does the process describe when cathodic protection must be installed on breakout tanks?*

Assets Covered [Unit 55935](#)

84. Question Result, ID, References [Sat, TD.CPBO.BO.P, 195.402\(c\)\(3\) \(195.573\(d\)\)](#)

Question Text *Does the process adequately detail when and how cathodic protection systems will be inspected on breakout tanks?*

Assets Covered [Unit 55935](#)

85. Question Result, ID, References [Sat, TD.CPBO.BO.R, 195.589\(c\) \(195.573\(d\)\)](#)

Question Text *Do records document adequate cathodic protection system inspections on breakout tanks?*

Assets Covered [Unit 55935](#)

86. Question Result, ID, References [NA, TD.CPBO.BO.O, 195.573\(d\)](#) (also presented in: ALO.TD)

Question Text *Are cathodic protection monitoring tests performed correctly on breakout tank bottoms?*

Assets Covered [Unit 55935](#)

Result Notes [No such relevant facilities/equipment existed in the scope of inspection review. El Secundo Bottoms](#)

## TD.CPMONITOR: External Corrosion - Cathodic Protection Monitoring

87. Question Result, ID, References [NA, TD.CPMONITOR.TESTLEADMAINT.O, 195.567\(c\)](#) (also presented in: ALO.TD)

Question Text *Are CP test lead wires properly maintained?*

Assets Covered [Unit 55935](#)

Result Notes [No such relevant facilities/equipment existed in the scope of inspection review.](#)

88. Question Result, ID, References [Sat, TD.CPMONITOR.MONITORCRITERIA.P, 195.402\(c\)\(3\) \(195.571\)](#)

Question Text *Does the process require that CP monitoring criteria be used that is acceptable?*

Assets Covered [Unit 55935](#)

89. Question Result, ID, References [Sat, TD.CPMONITOR.MONITOR.O, 195.571](#) (also presented in: ALO.TD)

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

Assets Covered [Unit 55935](#)

90. Question Result, ID, References [Sat, TD.CPMONITOR.CURRENTTEST.O, 195.573\(c\)](#) (also presented in: ALO.TD)

Question Text *Are rectifiers, interference bonds, diodes, and reverse current switches properly maintained and are they functioning properly?*

Assets Covered [Unit 55935](#)

91. Question Result, ID, References **Sat, TD.CPMONITOR.INTFRCURRENT.P, 195.402(c)(3) (195.577(a); 195.577(b))**  
 Question Text *Does the process give sufficient guidance and detail for identifying and testing areas of potential stray current, and minimizing the detrimental effects of stray currents?*  
 Assets Covered **Unit 55935**
92. Question Result, ID, References **NA, TD.CPMONITOR.INTFRCURRENT.O, 195.577(a)** (also presented in: ALO.TD)  
 Question Text *Are areas of potential stray current identified, and if found, the detrimental effects of stray currents minimized?*  
 Assets Covered **Unit 55935**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No stray current has been found on either the Pasco or Spokane facilities**

## **TD.ATM: External Corrosion - Atmospheric**

93. Question Result, ID, References **Sat, TD.ATM.ATMCORRODECOAT.P, 195.402(c)(3) (195.581(a); 195.581(b); 195.581(c))**  
 Question Text *Does the process give adequate instruction for the protection of pipeline against atmospheric corrosion?*  
 Assets Covered **Unit 55935**
94. Question Result, ID, References **Sat, TD.ATM.ATMCORRODEINSP.P, 195.402(c)(3) (195.583(a); 195.583(b); 195.583(c))**  
 Question Text *Does the process give adequate instruction for the inspection of aboveground pipeline segments exposed to the atmosphere?*  
 Assets Covered **Unit 55935**
95. Question Result, ID, References **Sat, TD.ATM.ATMCORRODEINSP.R, 195.589(c) (195.583(a); 195.583(b); 195.583(c))**  
 Question Text *Do records document inspection of aboveground pipe exposed to atmospheric corrosion?*  
 Assets Covered **Unit 55935**
96. Question Result, ID, References **Sat, TD.ATM.ATMCORRODEINSP.O, 195.583(c) (195.581(a))** (also presented in: ALO.TD)  
 Question Text *Is aboveground pipe that is exposed to atmospheric corrosion protected?*  
 Assets Covered **Unit 55935**

## **TD.CP: External Corrosion - Cathodic Protection**

97. Question Result, ID, References **Sat, TD.CP.MAPRECORD.R, 195.589(a) (195.589(b))**  
 Question Text *Do maps and or records document cathodic protection system appurtenances that have been installed on pipelines that have been constructed, relocated, replaced, or otherwise changed or been converted to hazardous liquid service?*  
 Assets Covered **Unit 55935**
98. Question Result, ID, References **Sat, TD.CP.ISOLATE.O, 195.575(a) (195.575(b); 195.575(c); 195.575(d))** (also presented in: ALO.TD)  
 Question Text *Are measures performed to ensure electrical isolation of each buried or submerged pipeline from other metallic structures unless they electrically interconnect and cathodically protect the pipeline and the other structures as a single unit?*  
 Assets Covered **Unit 55935**

## **TD.ICP: Internal Corrosion - Preventive Measures**

99. Question Result, ID, References **NA, TD.ICP.INHIBITOR.O, 195.579(b)** (also presented in: ALO.TD)  
 Question Text *Are internal corrosion monitoring devices placed in appropriate locations?*  
 Assets Covered **Unit 55935**  
 Result Notes **No such activity/condition was observed during the inspection. The product is not inherently corrosive,**

but the tanks are lined to mitigate IC.

100. Question Result, ID, References Sat, TD.ICP.BOLINING.R, 195.589(c) (195.579(d))

Question Text *Do records document the adequate installation of breakout tank bottom linings?*

Assets Covered Unit 55935

## TQ.OQ: Operator Qualification

101. Question Result, ID, References Sat, TQ.OQ.OQPLAN.O, 195.505(h) (also presented in: ALO.TQ)

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

Assets Covered Unit 55935

## TQ.PROT9: OQ Protocol 9

102. Question Result, ID, References Sat, TQ.PROT9.TASKPERFORMANCE.O, 195.501(a) (195.509(a)) (also presented in: ALO.PROT9)

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

Assets Covered Unit 55935

103. Question Result, ID, References Unsat, TQ.PROT9.QUALIFICATIONSTATUS.O, 195.501(a) (195.509(a)) (also presented in: ALO.PROT9)

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

Assets Covered Unit 55935

Result Issue Summary For employee Yantzee Everett covered task (CT-18 Inspection of breakout tanks.) He has been performing the monthly tank inspections. From April 2014 until this inspection he was expired on his qualification for this task and there were no records of qualification under Chevron or Tesoro for him to perform this task. The OQ HQ plan for Tesoro's handling of mergers and acquisitions may need to be reviewed during the next integrated OQ HQ audit.

Standard Issues A2 (Significant impact/limited occurrence) : 195.507(a)(3) : Inadequate documentation of completed actions

Additional Comments	
Decision	

104. Question Result, ID, References Sat, TQ.PROT9.AOCRECOG.O, 195.501(a) (195.509(a)) (also presented in: ALO.PROT9)

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

Assets Covered Unit 55935

105. Question Result, ID, References Unsat, TQ.PROT9.VERIFYQUAL.O, 195.501(a) (195.509(a)) (also presented in: ALO.PROT9)

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

Assets Covered Unit 55935

Additional Comments	
Decision	

106. Question Result, ID, References NA, TQ.PROT9.CORRECTION.O, 195.501(a) (195.509(a)) (also presented in: ALO.PROT9)

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

Assets Covered Unit 55935

Result Notes No such activity/condition was observed during the inspection. The HQ OQ needs to occur and then this item will be able to be properly

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