

## G2 - HL Records & Field 8636

UTC Standard Inspection Report  
Intrastate Hazardous Liquid  
FORM G2: State-Specific Requirements

### Inspector and Operator Information

<b>Inspection Link</b> 8636	<b>Inspector - Lead</b> Anderson, Scott	<b>Inspector - Assist</b>
<b>Operator</b> Tidewater - Snake River Terminal	<b>Unit</b> Tidewater	<b>Records Location - City &amp; State</b> Pasco, WA
<b>Inspection Start Date</b> 06-27-2023	<b>Inspection Exit Interview Date</b> 07-05-2023	<b>Engineer Submit Date</b>

You must include the following in your inspection summary:

- \*Inspection Scope and Summary
- \*Facilities visited and Total AFOD
- \* Summary of Significant Findings
- \* Primary Operator contacts and/or participants

NOTE: Setup/Pre-plan Analysis is not required for this type of WA intrastate inspection.

#### Inspection Scope and Summary

This inspection consisted of review of Tidewater Terminal Company's records and field assets.

#### Facilities visited and Total AFOD

3 AFOD

#### Summary of Significant Findings

*(DO NOT Discuss Enforcement options)*

No findings

### Instructions and Ratings Definitions

#### INSTRUCTIONS

S - Satisfactory

U - Unsatisfactory

Area Of Concern

N/A- Not Applicable (does not apply in this inspection)

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

#### INSPECTION RESULTS

Unsatisfactory Responses

0

Area of Concern Responses

0

Not Applicable Responses

2

Not Checked / Evaluated Responses

0

Unsatisfactory List

Area of Concern List

Not Applicable List

3,4,

Not Checked / Evaluated List

**\*\*If an item is marked Unsat, N/A, or N/C, an explanation must be included in the "Notes" block for that question, and summarized in the "RECORDS: REQUIRED COMMENTS" section.**

### RECORDS REVIEW

### MAPPING RECORDS

#### Question 1

Do records indicate that the operator prepares, maintains, and provides to the commission upon request copies of maps, drawings, and records that pertain to their system? Are these documents in sufficient scale and detail to show size and type of material of all facilities?

**Q1 Reference**  
WAC 480-75-600

**Q1 Notes**  
Maps and records were readily available.

## REPORTING RECORDS

---

## DAMAGE PREVENTION RECORDS

---

### Question 2

Does the operator have a quality assurance program in place for monitoring the locating and marking of facilities? Do records indicate that the operator conducts regular field audits of the performance of locators/contractors and take action when necessary?

#### Q2 Reference

PHMSA State Program Question

#### Q2 Result

Satisfactory

#### Q2 Notes

Tidewater uses their own employees to locate facilities. Since the ROW is regularly patrolled this is used as a quality assurance program.

### Question 3

Do records indicate operator includes performance measures in facility locating services contracts with corresponding and meaningful incentives and penalties?

#### Q3 Reference

WAC 480-75-200

#### Q3 Result

Not Applicable

#### Q3 Notes

Tidewater does not use contractors for locating. No damage prevention issues.

### Question 4

Do locate entities address performance problems for persons performing locating services through mechanisms such as re-training, process change, or changes in staffing levels?

#### Q4 Reference

WAC 480-75-200

#### Q4 Result

Not Applicable

#### Q4 Notes

Tidewater does not use contract locators.

### Question 5

Does the operator periodically review the Operator Qualification plan criteria and methods used to qualify personnel to perform locates?

#### Q5 Reference

WAC 480-75-200

#### Q5 Result

Satisfactory

#### Q5 Notes

Tidewater's OQ plan is annually reviewed.

## OPERATIONS & MAINTENANCE RECORDS

---

## CORROSION CONTROL RECORDS

---

## DESIGN/CONSTRUCTION RECORDS

---

## RECORDS: 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.

## FIELD INSPECTION OBSERVATIONS

---

**Comments - Field Observations - Any rating other than Satisfactory, requires comments. Ensure you annotate the question number for each comment.**

---

# Inspection Output (IOR)

Generated on 2023.July.05 12:30

## Report Filters

Assets Tidewater - Snake River Terminal / 88982 (1019)

Results All

## Inspection Information

Inspection Name	8636 - Tidewater Standard Records & Field	Operator(s)	TIDEWATER, INC (31051)	Plan Submitted	01/19/2023
		Lead	Scott Anderson	Plan Approval	01/19/2023 by Dennis Ritter
		Team Members	David Cullom, Lex Vinsel, Anthony Dorrough, Derek Norwood	All Activity Start	06/26/2023
Status	PLANNED	Observer(s)	John Trier	All Activity End	06/29/2023
Start Year	2023	Supervisor	Dennis Ritter	Inspection Submitted	--
System Type	HL	Director	Scott Rukke	Inspection Approval	--
Protocol Set ID	WA.HL.2022.02				

## Inspection Summary

NOTE: Setup/Pre-plan Analysis is not required for this type of WA intrastate inspection.

### Inspection Scope and Summary

This inspection consisted of review of Tidewater Terminal Company's records and field assets. Tidewater operates a number of breakout tanks and associated piping along with 1, 4-inch pipeline to BNSF and 3, 6-inch lines—2 inbound and 1 outbound to Marathon. Tidewater had multiple API 653 inspections during this inspection interval. Tidewater's 653 inspection documentation was adequate and certain repairs have been done as required by the documentation. See inspection question results for details.

### Facilities visited and Total AFOD

3 AFOD

### Summary of Significant Findings

(DO NOT Discuss Enforcement options)

No findings

### Primary Operator contacts and/or participants

Joshua Jarman, Quality and Compliance Manager, Tidewater Terminal Company

Chris Riggins, Maintenance Manager.

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

William H. (Bill) Collins

Vice President, QHSSE

Tidewater Terminal Company

6305 NW Lower River Rd.

Vancouver, WA 98660

## Scope (Assets)

#	Short Name	Long Name	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Total Inspected	Required % Complete
1.	88982 (1019)	Tidewater - Snake River Terminal	unit	88982	Pump Stations Offshore	170	170	170	100.0%

8636 - Tidewater Standard Records & Field

Page 1 of 29

Report Filters: Results: all

#	Short Name	Long Name	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Inspected	Total	Required % Complete
					GOM Crosses Nav. HVL CO2 Biofuels Reg Rural Gather Rural Low Stress Abandoned					

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

## Plans

#	Plan Assets	Focus Directives	Involved Groups/Subgroups	Qst Type(s)	Extent Notes
1.	88982 (1019)	WUTC Standard Inspection	AR, CR, DC, TDC, EP, FS, IM, MO, PD, RPT, SRN, TD, TQ, 114, P, R, O, S GENERIC		Detail --

## Plan Implementations

#	Activity Name	SMAR T Act#	Start Date	Focus Directive	Involved Groups/Subgroups	Assets	Qst Type(s)	Planned	Required	Inspected	Total	Required % Complete
1	Tidewater Standard	--	06/26/2023	WUTC Standard Inspection	AR, CR, DC, TDC, EP, FS, IM, MO, PD, RPT, SRN, TD, TQ, 114, GENERIC	88982 (1019)	all types	170	170	170	170	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	Tidewater Standard	COMPLETED	07/03/2023	Tidewater Standard	88982 (1019)

## Results (all values, 170 results)

197 (instead of 170) results are listed due to re-presentation of questions in more than one sub-group.

### CR.CRMRR: Roles and Responsibilities

1. Question Result, ID, References: NA, CR.CRMRR.PRESSLIMITS.O, 195.446(b)(2)  
 Question Text: Are controllers aware of the current MOPs of all pipeline segments for which they are responsible, and have they been assigned the responsibility to maintain those pipelines at or below the MOP?  
 Assets Covered: 88982 (1019)  
 Result Notes: No such relevant facilities/equipment existed in the scope of inspection review.

## CR.LD: Leak Detection (Non-CPM)

2. Question Result, ID, References **NA, CR.LD.EVAL.R, 195.444(a) (195.444(b), 195.134(a), 195.134(b),)**  
Question Text *Do records show that the operator evaluated the capability of its leak detection system to protect the public, property, and the environment and modified as necessary?*  
Assets Covered **88982 (1019)**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
3. Question Result, ID, References **NA, CR.LD.LDSYSTEM.R, 195.404(c) (195.134(b), 195.444(b))**  
Question Text *Do records demonstrate the operator's leak detection system is performing within the system design requirements?*  
Assets Covered **88982 (1019)**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
4. Question Result, ID, References **NA, CR.LD.LDTRAINING.R, 195.507(a) (195.507(b))**  
Question Text *Do records show that pipeline controllers are trained to recognize leaks using the chosen leak detection method/system?*  
Assets Covered **88982 (1019)**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
5. Question Result, ID, References **NA, CR.LD.LDTRAINING.O, 195.505**  
Question Text *Are the Pipeline Controllers trained to recognize leaks?*  
Assets Covered **88982 (1019)**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
6. Question Result, ID, References **NA, CR.LD.ALARMDISPLAY.O, 195.444(b)**  
Question Text *Are the Leak Detection alarms adequate?*  
Assets Covered **88982 (1019)**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
7. Question Result, ID, References **NA, CR.LD.LDSTEST.R, 195.134(b) (195.444(b))**  
Question Text *Have leak detection system testing records and results been retained/available and indicate adequate results?*  
Assets Covered **88982 (1019)**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
8. Question Result, ID, References **NA, CR.LD.LDSINSTRUMENT.R, 195.444(b) (195.446(j))**  
Question Text *Do records indicate the calibration of field instrumentation used in the leak detection system was performed?*  
Assets Covered **88982 (1019)**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

## DC.CO: Construction

9. Question Result, ID, References **NA, DC.CO.ASMECONSTRUCTION.R,**  
Question Text *Do records indicate that new pipelines are designed and constructed in accordance with ASME B31.4?*  
Assets Covered **88982 (1019)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
10. 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 **88982 (1019)**

Result Notes All valves were locked and chained.

11. Question Result, ID, Sat, DC.CO.VALVELOCATION.R, 195.266(f) (195.260(a), 195.260(b), 195.260(c), 195.260(d),  
References 195.260(e), 195.260(f))  
Question Text *Do records indicate that valves are located as specified by 195.260?*  
Assets Covered 88982 (1019)  
Result Notes Reviewed Tidewater alignment sheets and P&IDs showing locations of all assets. Valves were located as specified by 195.260.
12. Question Result, ID, Sat, DC.CO.VALVELOCATION.O, 195.260(a) (195.260(b), 195.260(c), 195.260(d), 195.260(e),  
References 195.260(f))  
Question Text *Are valves located as specified by 195.260?*  
Assets Covered 88982 (1019)  
Result Notes Valves were installed in the required locations.
13. Question Result, ID, Sat, DC.CO.RECORDS.R, 195.266(a) (195.266(b), 195.266(c), 195.266(d), 195.266(e), 195.266(f))  
References  
Question Text *Do records indicate that construction records are being maintained for the life of each pipeline?*  
Assets Covered 88982 (1019)  
Result Notes Reviewed tidewater construction records from 2000 when the facility piping was replaced. No other construction has occurred on piping since 2000.

## DC.COCMP: Construction - Pump Stations

14. Question Result, ID, Sat, DC.COCMP.VALVEPROTECT.O, 195.258(a)  
References  
Question Text *Are valves accessible to authorized employees and protected from damage or tampering?*  
Assets Covered 88982 (1019)  
Result Notes Valves were locked and protected and only accessible to authorized employees.
15. Question Result, ID, Sat, DC.COCMP.VALVELOCATION.R, 195.266(f) (195.260(a), 195.260(b), 195.260(c), 195.260(d),  
References 195.260(e), 195.260(f))  
Question Text *Do records indicate that valves are located as specified by 195.260?*  
Assets Covered 88982 (1019)  
Result Notes Reviewed Tidewater alignment sheets and P&IDs showing locations of all assets. Valves were located as specified by 195.260.
16. Question Result, ID, Sat, DC.COCMP.VALVELOCATION.O, 195.260(a) (195.260(b), 195.260(c), 195.260(d), 195.260(e),  
References 195.260(f))  
Question Text *Are valves located as specified by 195.260?*  
Assets Covered 88982 (1019)  
Result Notes Valves were installed in the required locations.
17. Question Result, ID, NA, DC.COCMP.PMPPROPERTY.R,  
References  
Question Text *Do records indicate that pump stations are designed, sited, and constructed consistent with the requirements in WAC 480-75-380?*  
Assets Covered 88982 (1019)  
Result Notes No such event occurred, or condition existed, in the scope of inspection review.

## DC.WELDINS: Construction Weld Inspection

18. Question Result, ID, NA, DC.WELDINS.WELDINSPECT.R, 195.228(a) (195.228(b), 195.234) (also presented in:  
References TDC.WELDINS)  
Question Text *Do records indicate welds are inspected to ensure compliance with the requirements of 195.228?*  
Assets Covered 88982 (1019)  
Result Notes No such event occurred, or condition existed, in the scope of inspection review.
19. Question Result, ID, NA, DC.WELDINS.WELDINSPECT.O, 195.228(a) (195.228(b), 195.234) (also presented in:  
References TDC.WELDINS)

Question Text *Are welds being inspected to ensure compliance with the requirements of 195.228?*

Assets Covered 88982 (1019)

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

20. Question Result, ID, NA, DC.WELDINSR.WELDNDT.R, 195.234(a) (195.234(b), 195.234(c)) (also presented in: References TDC.WELDINSR)

Question Text *Do records indicate adequate nondestructive testing and determination of standards of acceptability?*

Assets Covered 88982 (1019)

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

21. Question Result, ID, NA, DC.WELDINSR.WELDNDT.O, 195.234(a) (195.234(b), 195.234(c)) (also presented in: References TDC.WELDINSR)

Question Text *Are NDT activities performed in accordance with approved processes?*

Assets Covered 88982 (1019)

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

22. Question Result, ID, NA, DC.WELDINSR.GIRTHWELDNDT.R, 195.234(d) (195.266(a)) (also presented in: TDC.WELDINSR)

Question Text *Do records demonstrate at least 10% of all welds that are made by each welder during each welding day are nondestructively tested over the entire circumference of the welds or that more welds are tested per the operator's own procedures?*

Assets Covered 88982 (1019)

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

23. Question Result, ID, NA, DC.WELDINSR.GIRTHWELDNDTLOCATE.R, 195.234(e) (195.266(a)) (also presented in: References TDC.WELDINSR)

Question Text *Do records demonstrate all girth welds installed each day in selected locations specified in 195.234(e) are nondestructively tested over their entire circumference?*

Assets Covered 88982 (1019)

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

24. Question Result, ID, NA, DC.WELDINSR.GIRTHWELDNDTUSED.R, 195.234(f) (195.266(a)) (also presented in: TDC.WELDINSR)

Question Text *Do records demonstrate that when installing used pipe, 100% of the old girth welds are nondestructively tested?*

Assets Covered 88982 (1019)

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

25. Question Result, ID, NA, DC.WELDINSR.GIRTHWELDNDTTIEIN.R, 195.234(g) (195.266(a)) (also presented in: References TDC.WELDINSR)

Question Text *Do records demonstrate 100% of the girth welds have been nondestructively tested at selected pipe tie-ins?*

Assets Covered 88982 (1019)

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

## DC.WELDERQUAL: Construction Welder Qualification

26. Question Result, ID, NA, DC.WELDERQUAL.WELDERQUAL.R, 195.222(a) (195.222(b), 195.214(a), API-1104 Section 6, ASME Boiler & Pressure Vessel Code Section IX) (also presented in: TDC.WELDERQUAL)

Question Text *Do records indicate that welders are qualified in accordance with API-1104 or the ASME Boiler & Pressure Vessel Code?*

Assets Covered 88982 (1019)

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

## DC.WELDPROCEDURE: Construction Welding Procedures

27. Question Result, ID, NA, DC.WELDPROCEDURE.WELDPROCEDURE.R, 195.214(b) (also presented in: TDC.WELDPROCEDURE)

Question Text *Do records indicate welding procedures and qualifying tests recorded in detail?*

Assets Covered 88982 (1019)

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

## DC.DN: Design

28. Question Result, ID, References Sat, DC.DN.VALVE.O, 195.116(f) (195.116(b), 195.116(c), 195.116(e))  
Question Text *Do pipeline system valves meet the requirements of 195.116?*  
Assets Covered 88982 (1019)  
Result Notes Valves meet the requirements of 195.116.
29. Question Result, ID, References Sat, DC.DN.LDDESIGN.R, 195.134(a) (195.134(b), 195.134(c), 195.444(a), 195.444(b), 195.444(c))  
Question Text *Do records indicate evaluation of the leak detection system for its capability to protect the public, property, and the environment?*  
Assets Covered 88982 (1019)  
Result Notes Tidewater uses a volume balance "meter out" vs "meter in" method. Reviewed documentation regarding the leak detection system from 3rd party EDM Services. Tidewater staff also contacts Marathon to verify the amount sent matched. Also reviewed meter proving reports. Tidewater uses a 7.5% differential between the meter readings and it is monitored 24/7.
30. Question Result, ID, References NA, DC.DN.LDDESIGN.O, 195.134(b) (195.134(c), 195.444(b), 195.444(c))  
Question Text *Does the leak detection system perform to the system design requirements?*  
Assets Covered 88982 (1019)  
Result Notes No such activity/condition was observed during the inspection.

## DC.MO: Maintenance and Operations

31. Question Result, ID, References Sat, DC.MO.SAFETY.O, 195.422(a) (195.402(c)(14))  
Question Text *Are pipeline maintenance construction and testing activities performed safely and in accordance with procedures to prevent damage to persons and property?*  
Assets Covered 88982 (1019)  
Result Notes Testing of equipment was performed safely and IAW procedures.
32. Question Result, ID, References NA, DC.MO.MOVE.R,  
Question Text *Do records indicate that a study was prepared before moving or lowering a hazardous liquid pipeline?*  
Assets Covered 88982 (1019)  
Result Notes No such event occurred, or condition existed, in the scope of inspection review.
33. Question Result, ID, References NA, DC.MO.MOVE.O, 195.424(a) (195.424(b), 195.424(c))  
Question Text *Does the operator perform pipeline movements in accordance with 195.424?*  
Assets Covered 88982 (1019)  
Result Notes No such event occurred, or condition existed, in the scope of inspection review.

## DC.PT: Pressure Testing

34. Question Result, ID, References Sat, DC.PT.PRESSTEST.R, 195.310 (195.305(b))  
Question Text *Are pressure test records available and adequate?*  
Assets Covered 88982 (1019)  
Result Notes Reviewed pressure test records, the most recent was from 2014.
35. Question Result, ID, References NA, DC.PT.PRESSTEST.O, 195.302(a) (195.304, 195.305(a), 195.305(b), 195.306(a), 195.306(b), 195.306(c), 195.306(d), 195.307(a), 195.307(b), 195.307(c), 195.307(d), 195.307(e), 195.308)  
Question Text *Is pressure testing being adequately conducted?*  
Assets Covered 88982 (1019)  
Result Notes No such activity/condition was observed during the inspection.



36. Question Result, ID, References **NA, DC.PT.PRESSTESTTIEIN.R, 195.308**  
 Question Text *Do records indicate pipe associated with tie-ins has been pressure tested?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
37. Question Result, ID, References **NA, DC.PT.PRESSTESTRPT.R,**  
 Question Text *Do records indicate the operator filed a report with the commission at least 45 days prior to pressure testing when increasing the MOP of the pipeline?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

## DC.TQOQ: Training and Qualification (OQ)

38. Question Result, ID, References **Sat, DC.TQOQ.OQCONTRACTOR.R, 195.505(b) (Operators OQ program manual)**  
 Question Text *Are qualification records for contractor personnel maintained?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Tidewater uses 3rd party, US Tank Protectors, for annual CP work. Lewis Koszewski performs the activities his OQs are adequate and up to date. Also, Powers Engineering and Inspection performs API 653 inspections, reviewed OQs for API 653 inspectors. They were up to date and adequate.**
39. Question Result, ID, References **NA, DC.TQOQ.OQCONTRACTOR.O, 195.505(b) (Operators OQ program manual)**  
 Question Text *Do selected contractor individuals performing covered tasks demonstrate adequate skills and knowledge?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such activity/condition was observed during the inspection.**
40. Question Result, ID, References **Sat, DC.TQOQ.RECORDS.R, 195.505(b) (Operators OQ program manual)**  
 Question Text *Does the operator maintain qualification records for operator personnel?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Tidewater maintains OQs for all operator personnel. Reviewed a sampling of employee qualification records.**
41. Question Result, ID, References **Sat, DC.TQOQ.OQPLAN.O, 195.505(b) (Operators OQ program manual)**  
 Question Text *Do selected operator individuals performing covered tasks demonstrate adequate skills and knowledge?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Tidewater employee Tim Berry performed all covered tasks, cathodic protection related operations, valve operations, and level alarm operation. His OQs were adequate and up to date.**
42. Question Result, ID, References **Sat, DC.TQOQ.EXCAVATE.R, 195.505(b) (ADB-06-01)**  
 Question Text *Do records demonstrate individuals who oversee marking, trenching and backfilling operations are qualified?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Tidewater performs locates with their own employees, they are qualified and dates are adequate. Trenching and backfilling is performed by a 3rd party if it is necessary, this did not occur in this inspection interval.**
43. Question Result, ID, References **NA, DC.TQOQ.EXCAVATE.O, 195.505(b) (ADB-06-01)**  
 Question Text *Do selected individuals who oversee marking, trenching and backfilling operations demonstrate adequate skills and knowledge?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

## TDC.650REGS: New API 650 Tanks - Part 195 Requirements

44. Question Result, ID, References **NA, TDC.650REGS.TANKSPEC.R, 195.132(b)(3) (API Std 650)**  
 Question Text *Do the design records and drawings indicate new aboveground atmospheric breakout tanks are designed and constructed to the specifications required by 195.132(b)(3)?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
45. Question Result, ID, References **NA, TDC.650REGS.REPAIRSPEC.R, 195.205(b)(1) (API Std 650, API Std 653)**  
 Question Text *Do records indicate breakout tanks were repaired, altered, or reconstructed in compliance with the requirements of 195.205(b)(1)?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
46. Question Result, ID, References **NA, TDC.650REGS.CPDESIGN.O, 195.565 (195.563(d), API RP 651, Section 6.3.4, API RP 651, Section 6.3.5, API RP 651, Section 7.2.1)**  
 Question Text *Do field observations confirm new breakout tanks have cathodic protection installed in accordance with 195.565?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
47. Question Result, ID, References **Sat, TDC.650REGS.OVERFILLPROT.R, 195.428(c) (195.404(a), 195.404(b), 195.404(c), 195.132(b)(3), API Std 2350, Section 4.6, API Std 2350, Section 4.8)**  
 Question Text *Do records indicate product level alarm devices were installed and set to alarm at a level above the normal and overfill protection levels in accordance with 195.428(c)?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Tidewater inspects tank level alarms monthly. They test the Hi and Hi-Hi level alarms prior to receipt into their tanks. Reviewed level alarm documentation.**
48. Question Result, ID, References **Sat, TDC.650REGS.OVERFILLPROT.O, 195.428(c) (195.132(b)(3), API Std 2350, Section 4.6, API Std 2350, Section 4.8)**  
 Question Text *Do field observations confirm product level alarm devices were installed and set to alarm at the design levels (level above the normal and overfill protection levels) in accordance with 195.428(c)?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Tested Hi and Hi-Hi level alarms on tanks 25 and 31. The Hi level alarm indicated a strobing amber light, the Hi-Hi alarm indicated a white strobing light. Alarms were audible throughout the facility also.**
49. Question Result, ID, References **Sat, TDC.650REGS.FIREEQUIP.O, 195.430(a) (195.430(b), 195.430(c))**  
 Question Text *Do field observations confirm the necessary firefighting equipment to respond to emergencies is included at the facility's breakout tank area?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Fire protection equipment was readily available throughout the breakout tank area. Fire extinguishers appeared in good working order, they were also up to date. Exits were clearly marked.**

## EP.ERL: Emergency Response Liquids

50. Question Result, ID, References **Sat, EP.ERL.LIAISON.R, 195.402(a) (195.402(c)(12), 195.440(c), API RP 1162 Section 4.4) (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 **88982 (1019)**  
 Result Notes **Reviewed Tidewater liaison spreadsheet. The list is up to date and updated quarterly.**
51. Question Result, ID, References **NA, EP.ERL.NOTICES.R, 195.402(a) (195.402(e)(1))**  
 Question Text *Do records indicate receiving, identifying, classifying and communicating notices of events requiring immediate response in accordance with procedures?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

52. Question Result, ID, References **NA, EP.ERL.AUTHORITIES.R, 195.402(a) (195.402(e)(7))**  
 Question Text *Do records indicate that notifications were made to fire, police, and other appropriate public officials of hazardous liquid emergencies and were coordinated with preplanned and actual responses (including additional precautions necessary for an emergency involving HVLs)?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
53. Question Result, ID, References **NA, EP.ERL.POSTEVTNTREVIEW.R, 195.402(a) (195.402(e)(7), 195.402(e)(9))**  
 Question Text *Do records indicate post-accident reviews of employee activities were performed to determine whether the procedures were effective in each emergency and take corrective action where deficiencies are found?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
54. Question Result, ID, References **NA, EP.ERL.COMMSYS.R, 195.408(b)**  
 Question Text *Do records indicate emergency communication system(s) use was as required?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

## **EP.ETR: Emergency Training of Personnel**

55. Question Result, ID, References **Sat, EP.ETR.TRAINING.R, 195.403(a)**  
 Question Text *Do records indicate the operator provided training to its emergency response personnel as required?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Reviewed Tidewater sign in sheets for emergency response training. Tidewater uses their annual HAZWOPER and manual review as their emergency response training. Tidewater's HAZWOPER training is geared only toward their facility and is changed annually.**
56. Question Result, ID, References **Sat, EP.ETR.TRAININGREVIEW.R, 195.403(b)**  
 Question Text *Have annual reviews of the emergency response training program been conducted and appropriate changes made as necessary to ensure it is effective?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Reviewed revisions log in Tidewater's emergency procedures. Managers are tasked quarterly with the annual review of the ER training program. The training subject matter is changed annually.**
57. Question Result, ID, References **Sat, EP.ETR.TRAININGSUPERVISE.R, 195.403(c)**  
 Question Text *Do records indicate verification that supervisors are knowledgeable of emergency response procedures for which they are responsible?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Reviewed the revisions log of the ER plan. Reviewed sign-in sheets for emergency trainings and supervisors are included. Also managers are tasked quarterly with the annual review of the ER procedures.**
58. Question Result, ID, References **NA, EP.ETR.TRAININGSUPERVISE.O, 195.403(c)**  
 Question Text *Do emergency response supervisors demonstrate adequate skills and knowledge?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such activity/condition was observed during the inspection.**

## **FS.TSAPIINSPECT: Tanks and Storage - Inspection**

59. 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 88982 (1019)

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

60. Question Result, ID, References Sat, FS.TSAPIINSPECT.BOINSRVCINSP.R, 195.404(c)(3) (195.432(b))

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 88982 (1019)

Result Notes Reviewed Tidewater's monthly in-service inspections, all inspections were done within the required interval. OQs for individuals performing this task was adequate.

61. 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 88982 (1019)

Result Notes Tidewater had 4 external 653 inspections in 2020 on tanks 26, 28, 33, and 34. Powers Engineering and inspection performs all the API 653 inspections at tidewater. There were no required action items listed in the inspection documentation from Powers.

Tidewater had 7 external 653 inspections in 2021, they were on tanks 1, 2, 22, 25, 31, 34, and 35. There were no required action items listed in the inspection documentation from Powers. Also reviewed the API 653 inspectors qualifications, all were adequate and up to date.

No API 653 external inspections occurred in 2022.

62. 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 88982 (1019)

Result Notes UT testing is done when the API 653 external inspection occurs at Tidewater. For the tanks that received external API 653 inspections in 2020-2022, no deficiencies were identified in the UT scans. Powers Engineering and Inspection provided the inspections and documentation.

63. 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 88982 (1019)

Result Notes Tidewater had 2 internal API 653 inspections in 2020 on tanks 4 and 23. Tank 4 is a non DOT tank but required 27 lap-patch plates and two puddle welds to repair MIC along the product side of the bottom plates. Tank 23 did not have any required action items from Powers but 14 items to consider. Tidewater has performed some of the considerations. Approximately 60" of corner weld was replaced and five puddle welds were performed on the floor. The floating roof seal was completely replaced along with penetration gaskets. Multiple roof deck holes and mechanical damage were repaired. Reviewed OQs for individuals performing welding, along with API 653 certifications, all were adequate and up to date. NDT was also reviewed.

Tidewater had 2 internal API 653 inspections in 2021 on tanks 27 and 28. Tank 27 did not receive and required action items from Powers but 11 items to consider. Tidewater has performed some of the considerations. Two seal welded repads were installed, one under the center column approximately 48"x72" and one under the float support approximately 22"x8". Coatings were touched up along the cone roof, shell, bottom, appurtenances and access structures. Reviewed welder, API 653 inspector, and NDT inspector qualifications. All were adequate and up to date

Tidewater had 1 internal API 653 inspections in 2022 on tank 30. Tank 30 received 7 required action items. Install four 12"x12" seal welded lap patches at marked locations of soil-side corrosion and top-side pitting. Install puddle weld repairs to 27 areas marked on tank bottom for pitting corrosion along the tank bottom. Repair 6" diameter hole on the aluminum internal floating roof next to the gauge well. Repair or replace the 1 pontoon with fuel found inside. All required action items were completed by Summer 2022.

Tidewater also completed two considered actions. Installed new penetration gaskets on the aluminum floating roof components and removed the floating roof legs with a suspension system. Reviewed welder, API 653 inspector, and NDT inspector qualifications. All were adequate and up to date

64. 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 **88982 (1019)**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**
65. Question Result, ID, References **NA, FS.TSAPIINSPECT.BOINTINSPAPI2510.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 **88982 (1019)**  
Result Notes **No such relevant facilities/equipment existed in the scope of inspection review.**

## FS.FG: Facilities General

66. Question Result, ID, References **Sat, FS.FG.FACPROTECT.O, 195.436** (also presented in: PD.SN)  
Question Text *Are facilities adequately protected from vandalism and unauthorized entry?*  
Assets Covered **88982 (1019)**  
Result Notes **Facilities were adequately protected from vandalism and unauthorized entry.**
67. Question Result, ID, References **Sat, FS.FG.IGNITION.O, 195.438** (also presented in: PD.SN)  
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 **88982 (1019)**  
Result Notes **Adequate no smoking/open flames signage throughout the facility. The only smoking area is located outside of the facility.**
68. Question Result, ID, References **Sat, FS.FG.SIGNAGE.O, 195.434** (also presented in: PD.SN)  
Question Text *Are there operator signs around each pumping station, breakout tank area, and other applicable facilities?*  
Assets Covered **88982 (1019)**  
Result Notes **Adequate signage around facility equipment.**
69. Question Result, ID, References **Sat, FS.FG.FIREPROT.R, 195.404(c)(3) (195.430(a), 195.430(b), 195.430(c))**  
Question Text *Are records of inspections of firefighting equipment adequate?*  
Assets Covered **88982 (1019)**  
Result Notes **Reviewed annual inspections done by Performance Systems Integrated. Also reviewed monthly inspections performed by Tidewater staff.**
70. Question Result, ID, References **Sat, FS.FG.FIREPROT.O, 195.430(a) (195.430(b), 195.430(c), 195.262(e))**  
Question Text *Has adequate fire protection equipment been installed at pump station/breakout tank areas and is it maintained properly?*  
Assets Covered **88982 (1019)**  
Result Notes **Fire monitors and extinguishing equipment was installed throughout the facility and maintained properly.**

## FS.TS: Tanks and Storage

71. 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 88982 (1019)
- Result Notes Tidewater inspects tank level alarms monthly. They test the Hi and Hi-Hi level alarms prior to receipt into their tanks. Reviewed level alarm documentation.
72. Question Result, ID, References Sat, FS.TS.OVERFILLBO.O, 195.428(c)
- 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 88982 (1019)
- Result Notes Hi and Hi-Hi level alarms that were tested functioned properly and were in good mechanical condition. All tanks were installed prior to 10/2/2000.
73. 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.TSAPIINSPECT)
- Question Text *Is the condition of steel atmospheric or low pressure tanks acceptable?*
- Assets Covered 88982 (1019)
- Result Notes Acceptable tank conditions.
74. Question Result, ID, References Sat, 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 88982 (1019)
- Result Notes Grounding straps are listed in the monthly tank visual inspection report. Reviewed from 2020-2022.
75. Question Result, ID, References NA, 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 88982 (1019)
- Result Notes No such relevant facilities/equipment existed in the scope of inspection review.
76. 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 88982 (1019)
- Result Notes No such relevant facilities/equipment existed in the scope of inspection review. Tidewater has adequate impoundment at their facility 1996 was the most recent tank install.
77. Question Result, ID, References Sat, 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 88982 (1019)
- Result Notes Breakout tank impoundment was adequate. All tanks were installed prior to 10/2/2000.
78. Question Result, ID, References NA, 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 88982 (1019)
- Result Notes No such relevant facilities/equipment existed in the scope of inspection review. No new tanks after 10/2/2000.
79. Question Result, ID, References NA, 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 88982 (1019)

Result Notes No such relevant facilities/equipment existed in the scope of inspection review. No new tanks after 10/2/2000

## MO.LO: Liquid Pipeline Operations

80. Question Result, ID, References Sat, MO.LO.OMMANUALREVIEW.R, 195.402(a)

Question Text *Do records indicate annual reviews of the written procedures in the manual were conducted as required?*

Assets Covered 88982 (1019)

Result Notes Reviewed O&M manual revisions log. Reviews have been done annually as required.

81. Question Result, ID, References Sat, MO.LO.OMHISTORY.R, 195.404(a) (195.404(c), 195.9, 195.402(c)(1))

Question Text *Do records indicate current maps and records of the pipeline system are maintained and made available as necessary?*

Assets Covered 88982 (1019)

Result Notes Maps and records of the system were available as necessary.

82. Question Result, ID, References Sat, MO.LO.OMEFFECTREVIEW.R, 195.402(a) (195.402(c)(13), 195.404(a))

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

Assets Covered 88982 (1019)

Result Notes O&M effectiveness reviews are done quarterly at Tidewater. Employees are assigned a procedure to review and determine effectiveness. Reviewed a sampling of forms.

## MO.LMOPP: Liquid Pipeline Overpressure Protection

83. Question Result, ID, References Sat, MO.LMOPP.PRESSREGTEST.R, 195.404(c) (195.428(a)) (also presented in: FS.PS)

Question Text *Do records indicate inspection and testing of each overpressure safety device on its non-HVL pipelines at intervals not to exceed 15 months, but at least once each calendar year?*

Assets Covered 88982 (1019)

Result Notes Reviewed Tidewater's annual relief valve inspection reports. Inspections were completed within the required time interval.

## MO.LMOP: Liquid Pipeline MOP

84. Question Result, ID, References Sat, MO.LMOP.MOPDETERMINE.R, 195.402(c)(3) (195.406(a), 195.406(b), 195.302(b), 195.302(c))

Question Text *Do records indicate the maximum operating pressure was established in accordance with 195.406?*

Assets Covered 88982 (1019)

Result Notes Tidewater outbound pipeline MOP is 285psig, inbound pipeline MOP is 285psig. Tidewater O&M section 218 and systems operation manuals section 4 breaks down the determination of the MOP.

## MO.LMOPP: Liquid Pipeline Overpressure Protection

85. Question Result, ID, References NA, MO.LMOPP.PRESSREGTEST.O, 195.428(a) (also presented in: FS.PS)

Question Text *Are inspections of overpressure safety devices adequate (including HVL lines)?*

Assets Covered 88982 (1019)

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

86. Question Result, ID, References Sat, MO.LMOPP.LAUNCHRECVRELIEF.O, 195.426 (also presented in: FS.PS)

Question Text *Are launchers and receivers equipped with relief devices?*

Assets Covered 88982 (1019)

Result Notes Launchers and receivers were equipped with relief devices.

87. Question Result, ID, References Sat, MO.LMOPP.SURGEANALYSIS.R,

Question Text Do records indicate that a surge analysis was completed to ensure that the surge pressure does not exceed one hundred ten percent of the MOP?

Assets Covered 88982 (1019)

Result Notes Reviewed Tidewater surge analysis documentation created by EDM services in August 2000.

## MO.RW: ROW Markers, Patrols, Monitoring and Analysis

88. Question Result, ID, References Sat, MO.RW.PATROL.R, 195.412(a) (195.412(b)) (also presented in: PD.RW)

Question Text Do records indicate ROW surface conditions and crossings under navigable waterways were inspected, and reporting and appropriate mitigation performed?

Assets Covered 88982 (1019)

Result Notes Tidewater performs ROW inspection weekly. Reviewed the ROW/marker inspection form. Tidewater does not cross under navigable waterways.

89. Question Result, ID, References Sat, MO.RW.ROWCONDITION.O, 195.412(a) (also presented in: PD.RW)

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

Assets Covered 88982 (1019)

Result Notes ROW conditions were acceptable. Tidewater employees regularly patrol the ROW, walking or vehicle.

## MO.ABNORMAL: Liquid Pipeline Abnormal Operations

90. Question Result, ID, References Sat, MO.ABNORMAL.ABNORMAL.R, 195.404(b) (195.402(d)(1))

Question Text Do records indicate operator's personnel responded to indications of abnormal operations as required by the written procedures?

Assets Covered 88982 (1019)

Result Notes Tidewater had 1 AOC in 2020, 5 AOCs in 2021, and 1 AOC in 2022. Reviewed Tidewater's AOC Restart Checklist, records indicated that personnel responded IAW company procedures. Most AOCs were due to unnecessary valve closure at Marathon.

## MO.RW: ROW Markers, Patrols, Monitoring and Analysis

91. Question Result, ID, References Sat, MO.RW.ROWMARKER.O, 195.410(a) (195.410(b), 195.410(c)) (also presented in: PD.RW)

Question Text Are line markers placed and maintained as required?

Assets Covered 88982 (1019)

Result Notes Markers were adequately placed and maintained as required. Phone number connected directly to dispatch.

## MO.LM: Liquid Pipeline Maintenance

92. Question Result, ID, References Sat, MO.LM.VALVEMAIN.T.R, 195.404(c) (195.420(a), 195.420(b)) (also presented in: FS.VA)

Question Text Do records indicate each mainline valve was inspected as required?

Assets Covered 88982 (1019)

Result Notes Reviewed Tidewater's semi-annual mainline block valve inspection reports. All inspections were done within the required time interval.

93. Question Result, ID, References Sat, MO.LM.VALVEMAIN.T.O, 195.420(a) (195.420(c)) (also presented in: FS.VA)

Question Text Do the pipeline system valves appear to be in good working order and are they protected from unauthorized operation?

Assets Covered 88982 (1019)



Result Notes Tim Berry performed valve operation on: T-25 pipeline suction valve, T-27 pipeline suction, T-31 pipeline suction, BNSF mainline BV-Tidewater side, and BNSF mainline BV-BNSF side. All valves operated properly. Tim's OQs for valve operation expire in 2024.

## MO.ABNORMAL: Liquid Pipeline Abnormal Operations

94. Question Result, ID, References Sat, MO.ABNORMAL.ABNORMALREVIEW.R, 195.404(b) (195.402(d)(5))
- Question Text *Do records indicate post-event reviews of actions taken by operator personnel to determine the effectiveness of the abnormal operation procedures and whether corrective actions were taken where deficiencies were found?*
- Assets Covered 88982 (1019)
- Result Notes Tidewater's AOC response procedure is adequate. Reviewed Tidewater's AOC Restart Checklists. No deficiencies.

## MO.RW: ROW Markers, Patrols, Monitoring and Analysis

95. Question Result, ID, References Sat, MO.RW.DEPTHSURVEY.R,
- Question Text *Do records indicate that depth of cover surveys were completed as required by WAC 480-75-640?*
- Assets Covered 88982 (1019)
- Result Notes Tidewater had a depth-of-cover survey performed in 2021 by Spectrum Pipeline Services. Reviewed Tidewater documentation.
96. Question Result, ID, References NA, MO.RW.CHANGEINCLASS.R,
- Question Text *Do records indicate that the operator reevaluated class location periodically, but not less often than once every five years?*
- Assets Covered 88982 (1019)
- Result Notes No such event occurred, or condition existed, in the scope of inspection review. There have been no class location changes.

## MO.LC: Liquid Conversion

97. Question Result, ID, References NA, MO.LC.CONVERSION.R, 195.5(c) (195.5(a), 195.5(d))
- Question Text *Do records indicate the process was followed for converting any pipelines into Part 195 service?*
- Assets Covered 88982 (1019)
- Result Notes No such event occurred, or condition existed, in the scope of inspection review.

## MO.EW: Extreme Weather

98. Question Result, ID, References NA, MO.EW.EXTWEATHERINSPIMPL.R, 195.404(c) (195.414(a), 195.414(b), 195.414(c), 195.414(d))
- Question Text *Do records indicate the operator conducted the required inspection following and extreme weather or natural disaster event?*
- Assets Covered 88982 (1019)
- Result Notes No such event occurred, or condition existed, in the scope of inspection review.
99. Question Result, ID, References NA, MO.EW.EXTWEATHERINSPSAFE.O, 195.414(d)
- Question Text *Are the pipeline facilities that were affected by an extreme weather or natural disaster event back to a safe operating condition?*
- Assets Covered 88982 (1019)
- Result Notes No such event occurred, or condition existed, in the scope of inspection review.

## PD.DP: Damage Prevention

100. Question Result, ID, References **Sat, PD.DP.PROGRAM.R, 195.442(a)**  
 Question Text *Do records indicate the damage prevention program is being carried out as written?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Records indicated that it is being carried out as written.**
101. 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 **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
102. 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 480-75-630(6)?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
103. Question Result, ID, References **Sat, PD.DP.LOCATES.R,**  
 Question Text *Do records indicate hazardous liquid pipeline locations have been marked in the timeframe outlined in RCW 19.122?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Reviewed a sampling of locate requests, all marks were put down within two business days.**

## PD.PA: Public Awareness

104. Question Result, ID, References **Sat, PD.PA.AUDIENCEID.R, 195.440(d) (195.440(e), 195.440(f), API RP 1162 Section 2.2, API RP 1162 Section 3)**  
 Question Text *Do records identify the individual stakeholders in the four affected stakeholder audience groups: (1) affected public, (2) emergency officials, (3) local public officials, and (4) excavators, as well as affected municipalities, school districts, businesses, and residents to which it sends public awareness materials and messages?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Reviewed Tidewater's four affected stakeholder group spreadsheet.**
105. Question Result, ID, References **Sat, PD.PA.EDUCATE.R, 195.440(d) (195.440(f))**  
 Question Text *Did delivered messages specifically include provisions to educate the public, emergency officials, local public officials, and excavators on: (1) Use of a one-call notification system prior to excavation and other damage prevention activities; (2) Possible hazards associated with unintended releases from a hazardous liquid or carbon dioxide pipeline facility; (3) Physical indications of a possible release; (4) Steps to be taken for public safety in the event of a hazardous liquid or carbon dioxide pipeline release; and (5) Procedures to report such an event?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Reviewed the Tidewater PA mailers. There is one for public officials, affected public, and excavators.**
106. Question Result, ID, References **Sat, PD.PA.LOCATIONMESSAGE.R, 195.440(e) (195.440(f))**  
 Question Text *Were messages developed and delivered to advise affected municipalities, school districts, businesses, and residents of pipeline facility location?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Reviewed the Tidewater PA mailers. There is one for public officials, affected public, and excavators.**
107. Question Result, ID, References **Sat, PD.PA.MESSAGEFREQUENCY.R, 195.440(c) (API RP 1162 Table 2-1)**  
 Question Text *Did the delivery of materials and messages meet or exceed the baseline delivery frequencies specified in API RP 1162, Table 2-1?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Tidewater delivers their messages annually for all groups.**

108. Question Result, ID, References **Sat, PD.PA.LANGUAGE.R, 195.440(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 **88982 (1019)**  
 Result Notes **Tidewater's mailer is also in Spanish.**
109. Question Result, ID, References **Sat, PD.PA.EVALIMPL.R, 195.440(c) (195.440(i), API RP 1162 Section 8.3)**  
 Question Text *Has an audit or review of the public awareness program implementation been performed annually since the program was developed?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Reviewed annual audits of Tidewater's PA program.**
110. Question Result, ID, References **Sat, PD.PA.AUDITMETHODS.R, 195.440(c) (195.440(i), API RP 1162 Section 8.3)**  
 Question Text *Was one or more of the three acceptable methods (i.e., internal assessment, 3rd-party contractor review, or regulatory inspections) used to complete the annual audit or review of the public awareness program implementation?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Tidewater uses an internal assessment to review PA program implementation. Reviewed annual audits performed by Josh Jarman.**
111. Question Result, ID, References **NA, PD.PA.PROGRAMIMPROVE.R, 195.440(c) (API RP 1162 Section 8.3)**  
 Question Text *Were changes made to improve the program and/or the implementation process based on the results and findings of the annual audit(s)?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
112. Question Result, ID, References **Sat, PD.PA.EVALEFFECTIVENESS.R, 195.440(c) (API RP 1162 Sections 8.4)**  
 Question Text *Have effectiveness evaluation(s) of the program been performed for all stakeholder groups in all notification areas along all systems covered by the program?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Third party Enertech performed Tidewater's 4 yr effectiveness review. It was reviewed.**
113. Question Result, ID, References **Sat, PD.PA.MEASUREOUTREACH.R, 195.440(c) (API RP 1162 Section 8.4.1)**  
 Question Text *In evaluating effectiveness, was actual program outreach for each stakeholder audience tracked?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Program outreach for each stakeholder audience was tracked. Tidewater's effectiveness review was checked.**
114. Question Result, ID, References **Sat, PD.PA.MEASUREUNDERSTANDABILITY.R, 195.440(c) (API RP 1162 Section 8.4.2)**  
 Question Text *In evaluating program effectiveness, was the percentage of each stakeholder audience that understood and retained the key information from the messages determined?*  
 Assets Covered **88982 (1019)**  
 Result Notes **After reviewing program effectiveness, stakeholder audiences understood and retained key information from the messages, according to the effectiveness review.**
115. Question Result, ID, References **Sat, PD.PA.MEASUREBEHAVIOR.R, 195.440(c) (API RP 1162 Section 8.4.3)**  
 Question Text *In evaluating program effectiveness, was evaluation made of whether appropriate preventive, response, and mitigative behaviors were understood and likely to be exhibited?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Per the effectiveness review, appropriate preventive, response, and mitigative behaviors were understood and exhibited.**
116. Question Result, ID, References **NA, PD.PA.MEASUREBOTTOM.R, 195.440(c) (API RP 1162 Section 8.4.4)**

Question Text *Did the operator attempt to measure bottom-line results of the program by tracking third-party incidents and consequences including: (1) near misses, (2) excavation damages resulting in pipeline failures, (3) excavation damages that do not result in pipeline failures?*

Assets Covered 88982 (1019)

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

117. Question Result, ID, References Sat, PD.PA.CHANGES.R, 195.440(c) (API RP 1162 Section 2.7 (Step 12), API RP 1162 Section 8.5)

Question Text *Were needed changes and/or modifications to the program identified and documented based on the results and findings of the program effectiveness evaluations?*

Assets Covered 88982 (1019)

Result Notes Enertech recommended a number of changes/modifications. Tidewater is in the process of making these changes.

## RPT.RR: Regulatory Reporting (Traditional)

118. Question Result, ID, References Sat, RPT.RR.ANNUALREPORT.R, 195.49 (195.13(b), 195.15(b))

Question Text *Do the records indicate that complete and accurate Annual Reports have been submitted?*

Assets Covered 88982 (1019)

Result Notes Annual reports submitted 6/1/23 for CY 22, 6/14/22 for CY 21, 6/8/21 for CY 20. Annual reports were accurate and complete.

119. Question Result, ID, References NA, RPT.RR.GRAVITY.R, 195.49 (195.13(b))

Question Text *Do Annual Reports include applicable information for gravity lines?*

Assets Covered 88982 (1019)

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

120. Question Result, ID, References NA, RPT.RR.REGONLYGATHER.R, 195.49 (195.15(b))

Question Text *Do Annual Reports include applicable information for regulated-only gathering lines?*

Assets Covered 88982 (1019)

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

121. Question Result, ID, References NA, RPT.RR.ACCIDENTREPORT.R, 195.54(a) (195.50(a), 195.50(b), 195.50(c), 195.50(d), 195.50(e), 195.13(b), 195.15(b))

Question Text *Do records indicate the original accident reports were filed as required?*

Assets Covered 88982 (1019)

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

122. Question Result, ID, References NA, RPT.RR.ACCIDENTREPORTSUPP.R, 195.54(b) (195.13(b), 195.15(b))

Question Text *Do records indicate accurate supplemental accident reports were filed and within the required timeframe?*

Assets Covered 88982 (1019)

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

123. Question Result, ID, References NA, RPT.RR.IMMEDREPORT.R, 195.52(a) (195.52(b), 195.52(c), 195.52(d))

Question Text *Do records indicate immediate notifications of accidents were made in accordance with 195.52?*

Assets Covered 88982 (1019)

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

124. Question Result, ID, References NA, RPT.RR.SRCR.R, 195.56(a) (195.55(a), 195.55(b), 195.56(b), 195.13(b), 195.15(b))

Question Text *Do records indicate Safety-Related Condition Reports were filed as required?*

Assets Covered 88982 (1019)

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

125. Question Result, ID, References Sat, RPT.RR.NPMSANNUAL.R, 195.61(a) (195.61(b))

Question Text *Do records indicate: NPMS submissions are completed each year, on or before June 15, representing all in service, idle and retired assets as of December 31 of the previous year, and if no modifications occurred an email to that effect was submitted?*

Assets Covered 88982 (1019)

Result Notes submitted 6/1/23 for CY 22, 6/13/22 for CY 21, 6/8/21 for CY 20.

126. 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 88982 (1019)

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

127. Question Result, ID, References NA, RPT.RR.CONSTRUCTIONREPORT.R,

Question Text *Do records indicate operator has reported all construction of new pipelines intended to operate at 20% SMYS or greater at least 45 days prior to construction?*

Assets Covered 88982 (1019)

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

128. 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 88982 (1019)

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

## TD.ATM: Atmospheric Corrosion

129. 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 88982 (1019)

Result Notes Reviewed Tidewater atmospheric corrosion surveys, all were done within the required intervals and there are no issues.

130. Question Result, ID, References Sat, TD.ATM.ATMCORRODEINSP.O, 195.583(c) (195.581(a))

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

Assets Covered 88982 (1019)

Result Notes The soil-to-air interface was adequate at exposed portions of pipe.

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

131. Question Result, ID, References Sat, TD.CPBO.BO.R, 195.589(c) (195.573(d))

Question Text *Do records adequately document when and how cathodic protection systems were inspected on breakout tanks?*

Assets Covered 88982 (1019)

Result Notes Records adequately documented when and how cathodic protection systems were inspected on breakout tanks. Tidewater uses both the -850mV and 100mV shift criteria. A 3rd party performs annual checks.

132.  
Question Result, ID, References Sat, TD.CPBO.BO.O, 195.573(d)

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

Assets Covered 88982 (1019)

**Result Notes** All CP tank readings were performed by Tim Berry, his CP OQs expire in 2024. Tidewater uses both -850mV off criteria, natives are also known for the 100mV shift criteria. Any reads under -850 were verified with the native potential. Reads were taken on. Voltmeter and half-cell calibration expiration 4/17/24.

Field reads:

Tank 1

North	Northeast	East	Southeast	South	Southwest	West	Northwest
-1090mV CSE	-1142mV CSE	-620mV CSE	-1693mV CSE	-827mV CSE	-765mV CSE	-1445mV CSE	-900mV CSE

Tank 2

North	Northeast	East	Southeast	South	Southwest	West	Northwest
-1527mV CSE	-1155mV CSE	-775mV CSE	-783mV CSE	-1435mV CSE	-820mV CSE	-1032mV CSE	-683mV CSE

Tank 27

North	East	South	West
-1260mV CSE	-1076mV CSE	-1074mV CSE	-1790mV CSE

Tank 31

North	East	South	West
-1428mV CSE	-1065mV CSE	-665mV CSE	-1031mV CSE

Tank 32

North	East	South	West
-1485mV CSE	-1350mV CSE	-1789mV CSE	-1485mV CSE

Tank 33

North	East	South	West
-1932mV CSE	-2163mV CSE	-1520mV CSE	-2253mV CSE

133. Question Result, ID, References **NA, TD.CPBO.DEFICIENCYBO.R, 195.589(c) (195.573(e))**

Question Text *Do records document adequate operator actions taken to correct any identified deficiencies in breakout tank corrosion control?*

Assets Covered **88982 (1019)**

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

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

134. Question Result, ID, References **NA, TD.CP.NEWOPERATE.R, 195.589(c) (195.563(a))**

Question Text *Do records document when cathodic protection was operational on constructed, relocated, replaced, converted to service, or otherwise changed pipelines?*

Assets Covered **88982 (1019)**

Result Notes **No such relevant facilities/equipment existed in the scope of inspection review. No constructed, relocated, replaced, converted to service, or otherwise changed pipelines.**

135. Question Result, ID, References **NA, TD.CP.UNPROTECT.R, 195.589(c) (195.573(b)(1), 195.573(b)(2))**

Question Text *Do records document the adequate re-evaluation of buried pipelines with no cathodic protection for areas of active corrosion?*

Assets Covered 88982 (1019)

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

136. Question Result, ID, References Sat, TD.CP.ISOLATE.R, 195.589(c) (195.575(a), 195.575(b), 195.575(d))

Question Text *Do records document adequate 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 88982 (1019)

Result Notes Reviewed Tidewater isolation records.

137. Question Result, ID, References Sat, TD.CP.ISOLATE.O, 195.575(a) (195.575(b), 195.575(d))

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 88982 (1019)

Result Notes Tested isolation @ Tidewater/Marathon -- Tidewater -1415mV CSE, Marathon -1092mV CSE

138. Question Result, ID, References NA, TD.CP.DEFICIENCY.R, 195.589(c) (195.573(e)) (also presented in: TD.CP.MONITOR, TD.CP.EXPOSED)

Question Text *Do records document adequate operator actions taken to correct any identified deficiencies in corrosion control?*

Assets Covered 88982 (1019)

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

139. Question Result, ID, References Sat, TD.CP.MAPRECORD.R, 195.589(a) (195.589(b)) (also presented in: TD.CP.MONITOR)

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 88982 (1019)

Result Notes Tidewater's maps and records document where CP appurtenances are installed, none have changed.

## TD.CP.MONITOR: External Corrosion - Cathodic Protection Monitoring

140. Question Result, ID, References Sat, TD.CP.MONITOR.TESTLEADINSTALL.R, 195.589(c) (195.567(b))

Question Text *Do records document that pipelines with cathodic protection have electrical test leads installed in accordance with requirements of Subpart H?*

Assets Covered 88982 (1019)

Result Notes Reviewed Tidewater's Monthly Test Lead Inspection form. All have been installed IAW subpart H.

141. Question Result, ID, References Sat, TD.CP.MONITOR.TESTLEADINSTALL.O, 195.567(a) (195.567(b))

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

Assets Covered 88982 (1019)

Result Notes Test leads were installed IAW the requirements of Subpart H.

142. Question Result, ID, References Sat, TD.CP.MONITOR.TESTLEADMAINT.R, 195.589(c) (195.567(c))

Question Text *Do records document that CP test lead wires have been properly maintained?*

Assets Covered 88982 (1019)

Result Notes Reviewed Tidewater's Monthly Test Lead Inspection form. All have been installed IAW subpart H.

143. Question Result, ID, References Sat, TD.CP.MONITOR.TESTLEADMAINT.O, 195.567(c)

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

Assets Covered 88982 (1019)

Result Notes Test lead wires were properly maintained.

144. Question Result, ID, References Sat, TD.CPMONITOR.MONITOR.O, 195.571  
Question Text *Do the methods for taking CP monitoring readings allow for the application of appropriate CP monitoring criteria?*  
Assets Covered 88982 (1019)  
Result Notes 4" BN line @ Tidewater facility -1440mV CSE  
  
4" BN line @ BN rail yard -1616mV CSE  
  
Test Station #1 -1145mV CSE, casing -281mV CSE  
  
Test Station #10 -1325mV CSE  
  
Test Station #11 -1031mV CSE  
  
Test Station #13 -1059mV CSE  
  
Test Station #16 -1337mV CSE, casing -222mV CSE
145. Question Result, ID, References Sat, TD.CPMONITOR.TEST.R, 195.589(c) (195.573(a)(1))  
Question Text *Do records adequately document required tests have been done on pipe that is cathodically protected?*  
Assets Covered 88982 (1019)  
Result Notes Annual checks are performed by a 3rd party. Reviewed annual tank and pipeline CP reads. All were adequate.
146. Question Result, ID, References NA, TD.CPMONITOR.CIS.R, 195.589(c) (195.573(a)(2))  
Question Text *Do records document, when circumstances dictated a need for close interval surveys, dates of completed surveys, data from completed surveys and analysis of completed surveys?*  
Assets Covered 88982 (1019)  
Result Notes No such event occurred, or condition existed, in the scope of inspection review.
147. Question Result, ID, References Sat, TD.CPMONITOR.CURRENTTEST.R, 195.589(c) (195.573(c))  
Question Text *Do records document adequate electrical checks of rectifiers, interference bonds, diodes, and reverse current switches and at the required intervals?*  
Assets Covered 88982 (1019)  
Result Notes Reviewed Tidewater rectifier checks, all were done within the required intervals.
148. Question Result, ID, References Sat, TD.CPMONITOR.CURRENTTEST.O, 195.573(c)  
Question Text *Are rectifiers, interference bonds, diodes, and reverse current switches properly maintained and are they functioning properly?*  
Assets Covered 88982 (1019)  
Result Notes See rectifier reads in the attachments. All were adequate.
149. Question Result, ID, References Sat, TD.CPMONITOR.INTFRCURRENT.R, 195.589(c) (195.577(a))  
Question Text *Do records document that the operator has an effective program in place to minimize the detrimental effects of interference currents on their pipeline system, and is minimizing detrimental effects of interference currents from their CP systems on other underground metallic structures?*  
Assets Covered 88982 (1019)  
Result Notes Reviewed interference records, check were done within the required time interval.

## **TD.COAT: External Corrosion - Coatings**

150. Question Result, ID, References NA, TD.COAT.NEWPIPEINSPECT.R,



Question Text *Do records indicate that the operator electrically inspected all new coated pipe using a holiday detector?*

Assets Covered 88982 (1019)

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

151. Question Result, ID, References NA, TD.COAT.NEWPIPE.R, 195.589(c) (195.557(a), 195.559, 195.401(c))

Question Text *Do records document that coatings for pipelines constructed, relocated, replaced, or otherwise changed meet the requirements of §195.559?*

Assets Covered 88982 (1019)

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

152. Question Result, ID, References NA, TD.COAT.CONVERTPIPE.R, 195.589(c) (195.557(b), 195.559)

Question Text *Do records document that pipelines that have been converted to liquid service and were constructed after the applicable date in 195.401(c) have external coating?*

Assets Covered 88982 (1019)

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

153. Question Result, ID, References NA, TD.COAT.COATAPPLY.O, 195.561(a) (195.561(b), 195.559(b), 195.252(b))

Question Text *Is protective coating adequately applied?*

Assets Covered 88982 (1019)

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

## **TD.CPEXPOSED: External Corrosion - Exposed Pipe**

154. Question Result, ID, References NA, TD.CPEXPOSED.EXPOSEINSPECT.R, 195.589(c) (195.569)

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

Assets Covered 88982 (1019)

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, 195.569

Question Text *Verify that exposed buried piping is examined for corrosion and deteriorated coating.*

Assets Covered 88982 (1019)

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

156. Question Result, ID, References NA, TD.CPEXPOSED.EXTCORRODEREPAIR.R, 195.589(c) (195.585(a), 195.585(b))

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 88982 (1019)

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

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

157. Question Result, ID, References NA, TD.ICP.INVESTREMED.R, 195.589(c) (195.579(a))

Question Text *Do records document investigation and mitigation of the corrosive effects of hazardous liquids or carbon dioxide being transported?*

Assets Covered 88982 (1019)

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

158. Question Result, ID, References NA, TD.ICP.INHIBITOR.R, 195.589(c) (195.579(b)(1), 195.579(b)(2), 195.579(b)(3))

Question Text *Do records document that corrosion inhibitors have been used in sufficient quantity?*

Assets Covered 88982 (1019)

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

159. Question Result, ID, References **NA, TD.ICP.EXAMINE.R, 195.589(c) (195.579(c), 195.579(a))**  
 Question Text *Do records document examination of removed pipe for evidence of internal corrosion?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
160. Question Result, ID, References **NA, 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 **88982 (1019)**  
 Result Notes **Tidewater tanks 84 and 85 are the only breakout tanks with bottom liners and they were installed before 10/2/2000.**

## TQ.PROT9: OQ Protocol 9

161. Question Result, ID, References **Sat, TQ.PROT9.TASKPERFORMANCE.O, 195.501(a) (195.509(a))**  
 Question Text *Verify the qualified individuals performed the observed covered tasks in accordance with the operator's procedures or operator approved contractor procedures.*  
 Assets Covered **88982 (1019)**  
 Result Notes **Tim Berry performed all covered tasks, he performed tasks IAW company procedures.**
162. Question Result, ID, References **Sat, TQ.PROT9.QUALIFICATIONSTATUS.O, 195.501(a) (195.509(a))**  
 Question Text *Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks.*  
 Assets Covered **88982 (1019)**  
 Result Notes **Tim Berry performed all covered tasks, his OQ task list was verified prior to any field activities. Expiration is in 2024 for all tasks performed.**
163. Question Result, ID, References **Sat, TQ.PROT9.AOCRECOG.O, 195.501(a) (195.509(a))**  
 Question Text *Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed.*  
 Assets Covered **88982 (1019)**  
 Result Notes **Field staff was cognizant of AOCs.**
164. Question Result, ID, References **Sat, TQ.PROT9.VERIFYQUAL.O, 195.501(a) (195.509(a))**  
 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 **88982 (1019)**  
 Result Notes **Tim Berry performed all covered tasks, his OQ task list was verified prior to any field activities. Expiration is in 2024 for all tasks performed.**
165. Question Result, ID, References **NA, TQ.PROT9.CORRECTION.O, 195.501(a) (195.509(a))**  
 Question Text *Have potential issues identified by the OQ plan inspection process been corrected at the operational level?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

## TQ.OQ: Operator Qualification

166. Question Result, ID, References **Sat, TQ.OQ.OQCONTRACTOR.R, 195.507(a) (195.507(b))**  
 Question Text *Are adequate records containing the required elements maintained for contractor personnel?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Tidewater uses 3rd party, US Tank Protectors, for annual CP work. Lewis Koszewski performs the activities his OQs are adequate and up to date. Also, Powers Engineering and Inspection performs API**

653 inspections, reviewed certifications for API 653 inspectors. They were all up to date and adequate. OQs were also checked for NDT staff.

167. Question Result, ID, References **Sat, TQ.OQ.RECORDS.R, 195.507(a) (195.507(b))**  
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 **88982 (1019)**  
Result Notes **Tidewater uses EWN to evaluate field staff. Reviewed a sample evaluations given for certain covered tasks. Reviewed Tidewater employee Tim Berry OQs and they were verified and adequate.**

### **TQ.QU: Qualification of Personnel - Specific Requirements**

168. Question Result, ID, References **Sat, TQ.QU.CORROSIONSUPERVISE.R, 195.589(c) (195.507(a), 195.507(b))** (also presented in: TD.CP)  
Question Text *Is qualification of supervisors in corrosion control procedures documented?*  
Assets Covered **88982 (1019)**  
Result Notes **Reviewed supervisor qualification in CP procedures.**

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

169. Question Result, ID, References **NA, TQ.QUOMCONST.INSPECTORQUAL.R, 195.204**  
Question Text *Do records indicate adequate qualification documentation for personnel who conduct pipe or pipeline system construction inspections? (TQ.QUOMCONST.INSPECTORQUAL.R) (detail)*  
Assets Covered **88982 (1019)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review. No new construction.**

### **TQ.TROMCONST: Training of Personnel - O and M Construction**

170. Question Result, ID, References **Sat, TQ.TROMCONST.NDT.R, 195.234(b)(2)**  
Question Text *Is training for personnel, who perform nondestructive testing of welds, documented and demonstrated?*  
Assets Covered **88982 (1019)**  
Result Notes **Reviewed multiple NDT records along with individuals performing the task. All individuals had adequate and up to date OQs.**

### **TDC.WELDPROCEDURE: New Tank Piping - Construction Welding Procedures (Re-Presented)**

171. Question Result, ID, References **NA, DC.WELDPROCEDURE.WELDPROCEDURE.R, 195.214(b)** (also presented in: DC.WELDPROCEDURE)  
Question Text *Do records indicate welding procedures and qualifying tests recorded in detail?*  
Assets Covered **88982 (1019)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

### **TDC.WELDERQUAL: New Tank Piping - Construction Welder Qualification (Re-Presented)**

172. Question Result, ID, References **NA, DC.WELDERQUAL.WELDERQUAL.R, 195.222(a) (195.222(b), 195.214(a), API-1104 Section 6, ASME Boiler & Pressure Vessel Code Section IX)** (also presented in: DC.WELDERQUAL)  
Question Text *Do records indicate that welders are qualified in accordance with API-1104 or the ASME Boiler & Pressure Vessel Code?*  
Assets Covered **88982 (1019)**  
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

### **TDC.WELDINSPECTION: New Tank Piping - Construction Weld Inspection (Re-Presented)**

173. Question Result, ID, **NA, DC.WELDINSP.WELDINSPECT.R, 195.228(a) (195.228(b), 195.234)** (also presented in: References **DC.WELDINSP**)  
 Question Text *Do records indicate welds are inspected to ensure compliance with the requirements of 195.228?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
174. Question Result, ID, **NA, DC.WELDINSP.WELDINSPECT.O, 195.228(a) (195.228(b), 195.234)** (also presented in: References **DC.WELDINSP**)  
 Question Text *Are welds being inspected to ensure compliance with the requirements of 195.228?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
175. Question Result, ID, References **NA, DC.WELDINSP.WELDNDT.R, 195.234(a) (195.234(b), 195.234(c))** (also presented in: **DC.WELDINSP**)  
 Question Text *Do records indicate adequate nondestructive testing and determination of standards of acceptability?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
176. Question Result, ID, References **NA, DC.WELDINSP.WELDNDT.O, 195.234(a) (195.234(b), 195.234(c))** (also presented in: **DC.WELDINSP**)  
 Question Text *Are NDT activities performed in accordance with approved processes?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such activity/condition was observed during the inspection.**
177. Question Result, ID, References **NA, DC.WELDINSP.GIRTHWELDNDT.R, 195.234(d) (195.266(a))** (also presented in: **DC.WELDINSP**)  
 Question Text *Do records demonstrate at least 10% of all welds that are made by each welder during each welding day are nondestructively tested over the entire circumference of the welds or that more welds are tested per the operator's own procedures?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
178. Question Result, ID, References **NA, DC.WELDINSP.GIRTHWELDNDTLOCATE.R, 195.234(e) (195.266(a))** (also presented in: **DC.WELDINSP**)  
 Question Text *Do records demonstrate all girth welds installed each day in selected locations specified in 195.234(e) are nondestructively tested over their entire circumference?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
179. Question Result, ID, References **NA, DC.WELDINSP.GIRTHWELDNDTUSED.R, 195.234(f) (195.266(a))** (also presented in: **DC.WELDINSP**)  
 Question Text *Do records demonstrate that when installing used pipe, 100% of the old girth welds are nondestructively tested?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
180. Question Result, ID, References **NA, DC.WELDINSP.GIRTHWELDNDTTIEIN.R, 195.234(g) (195.266(a))** (also presented in: **DC.WELDINSP**)  
 Question Text *Do records demonstrate 100% of the girth welds have been nondestructively tested at selected pipe tie-ins?*  
 Assets Covered **88982 (1019)**  
 Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

## **FS.TSAPIINSPECT: Tanks and Storage - Inspection**

181. Question Result, ID, **Sat, FS.TS.BOINSPECTION.O, 195.432(a) (195.432(b), 195.432(c), 195.401(b))** (also presented in: References **FS.TS**)  
 Question Text *Is the condition of steel atmospheric or low pressure tanks acceptable?*  
 Assets Covered **88982 (1019)**  
 Result Notes **Acceptable tank conditions.**

## FS.PS: Pump Stations

182. Question Result, ID, References **Sat, MO.LMOPP.PRESSREGTEST.R, 195.404(c) (195.428(a))** (also presented in: MO.LMOPP)  
Question Text *Do records indicate inspection and testing of each overpressure safety device on its non-HVL pipelines at intervals not to exceed 15 months, but at least once each calendar year?*  
Assets Covered **88982 (1019)**  
Result Notes **Reviewed Tidewater's annual relief valve inspection reports. Inspections were completed within the required time interval.**
183. Question Result, ID, References **NA, MO.LMOPP.PRESSREGTEST.O, 195.428(a)** (also presented in: MO.LMOPP)  
Question Text *Are inspections of overpressure safety devices adequate (including HVL lines)?*  
Assets Covered **88982 (1019)**  
Result Notes **No such activity/condition was observed during the inspection.**
184. Question Result, ID, References **Sat, MO.LMOPP.LAUNCHRECVRELIEF.O, 195.426** (also presented in: MO.LMOPP)  
Question Text *Are launchers and receivers equipped with relief devices?*  
Assets Covered **88982 (1019)**  
Result Notes **Launchers and receivers were equipped with relief devices.**

## FS.VA: Valves

185. Question Result, ID, References **Sat, MO.LM.VALVEMAIN.T.R, 195.404(c) (195.420(a), 195.420(b))** (also presented in: MO.LM)  
Question Text *Do records indicate each mainline valve was inspected as required?*  
Assets Covered **88982 (1019)**  
Result Notes **Reviewed Tidewater's semi-annual mainline block valve inspection reports. All inspections were done within the required time interval.**
186. Question Result, ID, References **Sat, MO.LM.VALVEMAIN.O, 195.420(a) (195.420(c))** (also presented in: MO.LM)  
Question Text *Do the pipeline system valves appear to be in good working order and are they protected from unauthorized operation?*  
Assets Covered **88982 (1019)**  
Result Notes **Tim Berry performed valve operation on: T-25 pipeline suction valve, T-27 pipeline suction, T-31 pipeline suction, BNSF mainline BV-Tidewater side, and BNSF mainline BV-BNSF side. All valves operated properly. Tim's OQs for valve operation expire in 2024.**

## PD.PA: Public Awareness

187. Question Result, ID, References **Sat, EP.ERL.LIAISON.R, 195.402(a) (195.402(c)(12), 195.440(c), API RP 1162 Section 4.4)** (also presented in: EP.ERL)  
Question Text *Do records indicate that liaison has been established and maintained with appropriate fire, police, public officials, and utility owners?*  
Assets Covered **88982 (1019)**  
Result Notes **Reviewed Tidewater liaison spreadsheet. The list is up to date and updated quarterly.**

## PD.RW: ROW Markers, Patrols, Monitoring

188. Question Result, ID, References **Sat, MO.RW.PATROL.R, 195.412(a) (195.412(b))** (also presented in: MO.RW)  
Question Text *Do records indicate ROW surface conditions and crossings under navigable waterways were inspected, and reporting and appropriate mitigation performed?*  
Assets Covered **88982 (1019)**  
Result Notes **Tidewater performs ROW inspection weekly. Reviewed the ROW/marker inspection form. Tidewater does not cross under navigable waterways.**
189. Question Result, ID, References **Sat, MO.RW.ROWCONDITION.O, 195.412(a)** (also presented in: MO.RW)

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

Assets Covered 88982 (1019)

Result Notes ROW conditions were acceptable. Tidewater employees regularly patrol the ROW, walking or vehicle.

190. Question Result, ID, References Sat, MO.RW.ROWMARKER.O, 195.410(a) (195.410(b), 195.410(c)) (also presented in: MO.RW)

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

Assets Covered 88982 (1019)

Result Notes Markers were adequately placed and maintained as required. Phone number connected directly to dispatch.

## PD.SN: Facilities Signage and Security

191. 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 88982 (1019)

Result Notes Facilities were adequately protected from vandalism and unauthorized entry.

192. 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 88982 (1019)

Result Notes Adequate no smoking/open flames signage throughout the facility. The only smoking area is located outside of the facility.

193. 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 88982 (1019)

Result Notes Adequate signage around facility equipment.

## TD.CP: External Corrosion - Cathodic Protection

194. Question Result, ID, References Sat, TQ.QU.CORROSIONSUPERVISE.R, 195.589(c) (195.507(a), 195.507(b)) (also presented in: TQ.QU)

Question Text *Is qualification of supervisors in corrosion control procedures documented?*

Assets Covered 88982 (1019)

Result Notes Reviewed supervisor qualification in CP procedures.

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

195. Question Result, ID, References NA, TD.CP.DEFICIENCY.R, 195.589(c) (195.573(e)) (also presented in: TD.CP, TD.CPEXPOSED)

Question Text *Do records document adequate operator actions taken to correct any identified deficiencies in corrosion control?*

Assets Covered 88982 (1019)

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

196. Question Result, ID, References Sat, TD.CP.MAPRECORD.R, 195.589(a) (195.589(b)) (also presented in: TD.CP)

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 88982 (1019)

Result Notes Tidewater's maps and records document where CP appurtenances are installed, none have changed.

## TD.CPEXPOSED: External Corrosion - Exposed Pipe

197. Question Result, ID, References **NA, TD.CP.DEFICIENCY.R, 195.589(c) (195.573(e))** (also presented in: TD.CP, TD.CPMONITOR)

Question Text *Do records document adequate operator actions taken to correct any identified deficiencies in corrosion control?*

Assets Covered **88982 (1019)**

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

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