

PHMSA Form 10 Question Set (IA Equivalent)  
BREAKOUT TANK INSPECTION FORM

<b>Name of Operator:</b>	Tidewater Terminal Company	<b>Insp. ID:</b> 6764
<b>OPID No. 31051</b>	<b>Unit ID No.</b>	
<b>HQ Address:</b>	<b>System/Unit Name &amp; Address:</b>	
P.O. Box 1210 6305 NW Old Lower River Rd Vancouver, WA 98660	671 Tank Farm Rd Pasco, WA 99301	
<b>Operator Official:</b> Bruce Reed	<b>Address:</b>	
<b>Title:</b>	<b>City:</b>	
<b>Phone:</b>	<b>State:</b>	
<b>Emergency Phone/Cell:</b> 509-547-7701	<b>Zip Code:</b>	
<b>Persons Interviewed</b>	<b>Title</b>	<b>Phone No.</b>
Josh Jarman	Quality & Compliance Manager	360-693-1491
<b>State Representative(s):</b>		<b>Inspection Date(s)</b> August 5 – October 20, 2016
<b>Records Location:</b>		

<b>Unit Description:</b>
<b>Portion of Unit Inspected:</b>

<p><b>Sat+ - Exceeds requirements/exemplary performance</b>  <b>Sat - Meets requirements</b>  <b>Con - "Concern" meets requirements, but is an area of recommendation and/or area that if not addressed may lead to non-compliance</b>  <b>Unsat - Does not meet requirements</b>  <b>N/A - Not Applicable</b>  <b>N/C - Not Checked</b></p>
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## Design and Construction - Construction

### 17. Valve Accessibility

**(detail)** Are valves accessible to authorized employees and protected from damage or tampering? (DC.CO.VALVEPROTECT.O) (detail)

195.258(a)

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

### 24. Valve Locations

**(detail)** Are valves located as specified by 195.260? (DC.CO.VALVELOCATION.O) (detail)

195.260(a) (195.260(b); 195.260(c); 195.260(d); 195.260(e); 195.260(f))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

## Design and Construction - Maintenance and Operations

### 1. Safety - Maintenance Construction and Testing

**(detail)** Does the process ensure that pipeline maintenance construction and testing activities are made in a safe manner and are made so as to prevent damage to persons and property? (DC.MO.SAFETY.P) (detail)

195.402(a) (195.422(a); 195.402(c)(14))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 500.1

## Design and Construction - New Tanks and Storage

### 1. New Aboveground Breakout Tanks

**(detail)** Are new aboveground breakout tanks required to be designed and constructed to the specifications required by 195.132? (DC.TSNEW.BOSPEC.P) (detail)

195.132(a) (195.132(b))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 205.1

**2. New Aboveground Breakout Tanks**

**(detail)** Do records indicate new aboveground breakout tanks designed and constructed to the specifications required by 195.132(b)? (DC.TSNEW.BOSPEC.R) (detail)

195.132(b)

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**7. Breakout Tank Impoundment**

**(detail)** Are new aboveground breakout tank impoundments, protection against entry, normal/emergency venting or pressure/vacuum reliefs required to comply with the requirements of 195.264? (DC.TSNEW.BOIMPOUNDPROTECT.P) (detail)

195.202 (195.264(a); 195.264(b); 195.264(c); 195.264(d); 195.264(e))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 205.3

**Design and Construction - Pressure Testing - Breakout Tanks**

**3. Pressure Testing - New Breakout Tanks**

**(detail)** Have written test procedures been developed for testing new breakout tanks in accordance with 195.307? (DC.PTBO.BOPRESSTEST.P) (detail)

195.202 (195.307(a); 195.307(b); 195.307(c); 195.307(e); 195.310; API Specification 12F; API 620; API 650)

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 205.5

**6. Breakout Tank Pressure Testing - Repairs, Alterations, and Reconstructions**

**(detail)** Have written test procedures been developed for testing repaired, altered, or reconstructed breakout tanks that were returned to service after October 2, 2000? (DC.PTBO.BOPRESSTESTMODIFY.P) (detail)

195.402(c) (195.307(d); 195.310(a); 195.310(b); API 653)

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 205.5

## Design and Construction - Tanks and Storage

### 1. Cathodic Protection for Breakout Tanks

**(detail)** Is cathodic protection on breakout tanks required to be installed in accordance with API RP 651? (DC.TS.BOCP.P) (detail)

195.402(c)(3) (195.565; 195.563(d))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 400.1 (g), (h)

### 3. Cathodic Protection for Breakout Tanks

**(detail)** Is cathodic protection on breakout tanks being installed in accordance with API RP 651? (DC.TS.BOCP.O) (detail)

195.565 (195.563(d))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

### 7. Installing Bottom Linings in Aboveground Breakout Tanks

**(detail)** Are bottom linings required to be installed in aboveground breakout tanks to meet the requirements specified in §195.579(d)? (DC.TS.BOBOTTOM.P) (detail)

195.402(c) (195.579(d))

Sat+	Sat	Concern	Unsat	NA	NC
				X	

**Notes:** Tidewater has not installed tank bottom linings, the products they transfer/store have been determined to be non-corrosive

### 10. Repair, Alteration and Reconstruction of Aboveground Breakout Tanks that have Been in Service

**(detail)** Are breakout tanks required to be repaired, altered, or reconstructed in compliance with the requirements of §195.205? (DC.TS.BOMODIFY.P) (detail)

195.205(a) (195.205(b))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 205.2

**11. Repair, Alteration and Reconstruction of Aboveground Breakout Tanks that have Been in Service**

**(detail)** Do records indicate breakout tanks repaired, altered, or reconstructed in compliance with the requirements of 195.205(b)? (DC.TS.BOMODIFY.R) (detail)

195.266 (195.205(b))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**Facilities and Storage - Tanks and Storage - Inspection**

**2. Breakout Tank Inspection**

**(confirm)** 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? (FS.TSAPIINSPECT.BOINSPECTION.R) (confirm)

195.404(c)(3) (195.432(a))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**3. Breakout Tank Inspection - In-service**

**(detail)** Does the process describe the interval and method for performing routine in-service inspections of steel atmospheric or low pressure breakout tanks? (FS.TSAPIINSPECT.BOINSRVCINSP.P) (detail)

195.402(c)(3) (195.432(b))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 205.9

**4. Breakout Tank Inspection - In-service**

**(confirm)** 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? (FS.TSAPIINSPECT.BOINSRVCINSP.R) (confirm)

195.404(c)(3) (195.432(b))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**5. Breakout Tank Inspection - External**

**(detail)** Does the process describe the interval and method for performing external inspections of breakout tanks that are steel (atmospheric or low pressure) tanks? (FS.TSAPIINSPECT.BOEXTINSP.P) (detail)

195.402(c)(3) (195.432(b))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 205.9

**6. Breakout Tank Inspection - External**

**(confirm)** 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? (FS.TSAPIINSPECT.BOEXTINSP.R) (confirm)

195.404(c)(3) (195.432(b))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**7. Breakout Tank Inspection - External UT**

**(detail)** Does the process describe the interval and method for performing external, ultrasonic thickness inspections of breakout tanks that are steel (atmospheric or low pressure) tanks? (FS.TSAPIINSPECT.BOEXTUTINSP.P) (detail)

195.402(c)(3) (195.432(b))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 205.9(d)

**8. Breakout Tank Inspection - External UT**

**(confirm)** 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? (FS.TSAPIINSPECT.BOEXTUTINSP.R) (confirm)

195.404(c)(3) (195.432(b))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**9. Breakout Tank Inspection - Internal**

**(detail)** Does the process describe the interval and method for performing formal internal inspections of breakout tanks that are steel (atmospheric or low pressure) tanks? (FS.TSAPIINSPECT.BOINTINSP.P) (detail)

195.402(c)(3) (195.432(b))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 205.9(d)

**10. Breakout Tank Inspection - Internal**

**(confirm)** 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? (FS.TSAPIINSPECT.BOINTINSP.R) (confirm)

195.404(c)(3) (195.432(b))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**11. Breakout Tank Inspection - External Visual**

**(detail)** Does the process describe the interval and method for performing visual external inspections of in-service pressure steel aboveground breakout tanks built to API Standard 2510? (FS.TSAPIINSPECT.BOEXTINSPAPI2510.P) (detail)

195.402(c)(3) (195.432(c))

Sat+	Sat	Concern	Unsat	NA	NC
				X	

**Notes:** Tidewater has no tanks built to API Standard 2510

**12. Breakout Tank Inspection - External Visual**

**(confirm)** 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? (FS.TSAPIINSPECT.BOEXTINSPAPI2510.R) (confirm)

195.404(c)(3) (195.432(c))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**13. Breakout Tank Inspection -Internal In-service**

**(detail)** Does the process describe the interval and method for performing internal inspections of in-service pressure steel aboveground breakout tanks built to API Standard 2510? (FS.TSAPIINSPECT.BOINTINSPAPI2510.P) (detail)

195.402(c)(3) (195.432(c))

Sat+	Sat	Concern	Unsat	NA	NC
				X	

**Notes:** Tidewater has no tanks built to API Standard 2510

**14. Breakout Tank Inspection -Internal In-service**

**(confirm)** 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?  
(FS.TSAPIINSPECT.BOINTINSPAPI2510.R) (confirm)

195.404(c)(3) (195.432(c))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**Facilities and Storage - Facilities General**

**1. Signage**

**(detail)** Does the process require operator signs to be posted around each pump station and breakout tank area?  
(FS.FG.SIGNAGE.P) (detail)

195.402(c)(3) (195.434)

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 211.2

**2. Signage**

**(confirm)** Are there operator signs around each pumping station, breakout tank area, and other applicable facilities?  
(FS.FG.SIGNAGE.O) ([Also presented in ALO.FS #1](#)) (confirm)

195.434

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**3. Facility Protection**

**(detail)** Does the process require facilities to be protected from vandalism and unauthorized entry? (FS.FG.PROTECTION.P)  
(detail)

195.402(c)(3) (195.436)

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 212



**4. Facility Protection**

**(confirm)** Are facilities adequately protected from vandalism and unauthorized entry? (FS.FG.FACPROTECT.O) ([Also presented in ALO.FS #2](#)) (confirm)

195.436

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**5. Smoking/Open Flames**

**(detail)** Does the process prohibit smoking and open flames in each pump station and breakout tank area or where there is the possibility of the leakage of a flammable hazardous liquid or of the presence of flammable vapors? (FS.FG.IGNITION.P) (detail)

195.402(c)(3) (195.438)

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 213

**7. Smoking/Open flames**

**(confirm)** Is there signage that prohibits smoking and open flames around pump stations, launchers and receivers, breakout tank areas, or other applicable facilities? (FS.FG.IGNITION.O) ([Also presented in ALO.FS #3](#)) (confirm)

195.438

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**8. Firefighting Equipment**

**(detail)** Does the process require firefighting equipment at pump station/breakout tank areas? (FS.FG.FIREPROT.P) (detail)

195.402(c)(3) (195.430(a); 195.430(b); 195.430(c))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 210

**10. Pump Station Fire Protection**

**(confirm)** Has adequate fire protection equipment been installed at pump station/breakout tank areas and is it maintained properly? (FS.FG.FIREPROT.O) ([Also presented in ALO.FS #4](#)) (confirm)

195.430(a) (195.430(b); 195.430(c); 195.262(e))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**Facilities and Storage - Tanks and Storage**

**3. Testing HVL Breakout Tank Reliefs**

**(detail)** Does the process require inspection and testing of pressure relief valves on HVL pressure breakout tanks at the required frequency? (FS.TS.PRVTTESTHVLBO.P) (detail)

195.402(c)(3) (195.428(b))

Sat+	Sat	Concern	Unsat	NA	NC
				X	

**Notes:** Tidewater has no HVL breakout tanks

**4. Testing HVL Breakout Tank Reliefs**

**(confirm)** Do records document testing and inspection of relief valves on HVL pressure breakout tanks at the required frequency? (FS.TS.PRVTTESTHVLBO.R) (confirm)

195.404(c)(3) (195.428(b))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**6. Breakout Tank Overfill Protection**

**(detail)** Does the process require adequate testing and inspection of overfill devices on aboveground breakout tanks at the required interval? [Note: This question applies to both non-HVL and HVL pressure breakout tanks.] (FS.TS.OVERFILLBO.P) (detail)

195.402(c)(3) (195.428(a); 195.428(c); 195.428(d))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 205.8, 590(c), TM-SRT-004

**7. Breakout Tank Overfill Protection**

**(confirm)** 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.] (FS.TS.OVERFILLBO.R) (confirm)

195.404(c)(3) (195.428(a); 195.428(c); 195.428(d))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**8. Breakout Tank Overfill Protection**

**(confirm)** 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.] (FS.TS.OVERFILLBO.O) (Also presented in ALO.FS #8) (confirm)

195.428(c)

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**10. Protection Against Ignitions During O&M of Breakout Tanks**

**(detail)** Does the process describe how the operator protects against ignitions arising out of static electricity, lightning, and stray currents during operation and maintenance activities of aboveground breakout tanks? (FS.TS.IGNITIONBO.P) (detail)

195.402(c)(3) (195.405(a))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 205.6.2

**11. Protection Against Ignitions During O&M of Breakout Tanks**

**(detail)** Do records indicate protection against ignitions arising out of static electricity, lightning, and stray currents during operation and maintenance activities of aboveground breakout tanks? (FS.TS.IGNITIONBO.R) (detail)

195.404(c) (195.405(a))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

1. Verify that protection is provided against ignitions arising out of static electricity, lightning, and stray currents during operation and maintenance activities of aboveground breakout tanks.
2. If an operator believes it is not necessary to follow all or certain provisions of API Recommended Practice 2003 for the safety of a particular breakout tank then the operator must document why in the procedures.

**13. Floating Roof Access/Egress Hazards**

**(detail)** Does the process associated with access/egress onto floating roofs of in-service aboveground breakout tanks to perform inspection, service, maintenance or repair activities of in-service tanks indicate that the operator has reviewed and considered the potentially hazardous conditions, safety practices and procedures in API Publication 2026? (FS.TS.FLOATINGROOF.P) (detail)

195.402(c)(3) (195.405(b))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Safety Management System (SMS) – Confined Space Procedure

**14. Floating Roof Access/Egress Hazards**

**(detail)** 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? (FS.TS.FLOATINGROOF.R) (detail)

195.404(c) (195.405(b))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**16. Breakout Tank Impoundments**

**(detail)** *If a breakout tank first went into service after October 2, 2000 do records indicate it has an adequate impoundment?* (FS.TS.IMPOUNDBO.R) (detail)

195.404(c) (195.264(b))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**17. Breakout Tank Impoundments**

**(detail)** *If a breakout tank first went into service after October 2, 2000 does it have an adequate impoundment?* (FS.TS.IMPOUNDBO.O) (detail)

195.264(b)

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**18. Breakout Tank Venting**

**(detail)** *Do records indicate that normal/emergency relief venting and pressure/vacuum-relieving devices installed on aboveground breakout tanks after October 2, 2000 are adequate?* (FS.TS.VENTBO.R) (detail)

195.404(c) (195.264(d))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**21. Breakout Tank Pressure Testing**

**(detail)** *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?* (FS.TS.PRESSTESTBO.R) (detail)

195.310(a) (195.310(b); 195.307)

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

## Maintenance and Operations - Liquid Pipeline Operations

### 4. Normal Maintenance and Operations - History

**(detail)** Does the process include procedures for making construction records, maps, and operating history available as necessary for safe operation and maintenance? (MO.LO.OMHISTORY.P) (detail)

195.402(a) (195.402(c)(1); 195.404(a); 195.404(a)(1);  
195.404(a)(2); 195.404(a)(3); 195.404(a)(4); 195.404(c)(1);  
195.404(c)(2); 195.404(c)(3))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 705(a)

### 5. Normal Maintenance and Operations - History

**(detail)** Do records indicate current maps and records of its pipeline systems are maintained and made available as necessary? (MO.LO.OMHISTORY.R) (detail)

195.404(a) (195.404(b); 195.404(c); 195.9; 195.402(c)(1))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

## Time-Dependent Threats - External Corrosion - Atmospheric

### 1. Atmospheric Corrosion Coating

**(detail)** Does the process give adequate instruction for the protection of pipeline against atmospheric corrosion? (TD.ATM.ATMCORRODECOAT.P) (detail)

195.402(c)(3) (195.581(a); 195.581(b); 195.581(c))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 403.7

### 3. Atmospheric Corrosion Monitoring

**(detail)** Does the process give adequate instruction for the inspection of aboveground pipeline segments exposed to the atmosphere? (TD.ATM.ATMCORRODEINS.P) (detail)

195.402(c)(3) (195.583(a); 195.583(b); 195.583(c))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 403.7

**4. Atmospheric Corrosion Monitoring**

**(confirm)** Do records document inspection of aboveground pipe exposed to atmospheric corrosion?  
(TD.ATM.ATMCORRODEINSP.R) (confirm)

195.589(c) (195.583(a); 195.583(b); 195.583(c))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**5. Atmospheric Corrosion Monitoring**

**(confirm)** Is aboveground pipe that is exposed to atmospheric corrosion protected? (TD.ATM.ATMCORRODEINSP.O) ([Also presented in ALO.TD #7](#)) (confirm)

195.583(c) (195.581(a))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

## Time-Dependent Threats - External Corrosion - Breakout Tank Cathodic Protection

**1. Cathodic Protection for Breakout Tanks**

**(detail)** Does the process describe when cathodic protection must be installed on breakout tanks? (TD.CPBO.BO651.P) (detail)

195.402(c)(3) (195.565, 195.563(d))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 400.1(g), (h)

**2. Cathodic Protection for Breakout Tanks**

**(detail)** Does the process adequately detail when and how cathodic protection systems will be inspected on breakout tanks? (TD.CPBO.BO.P) (detail)

195.402(c)(3) (195.573(d))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 403.10

**3. Cathodic Protection for Breakout Tanks**

**(detail)** Do records document adequate cathodic protection system inspections on breakout tanks? (TD.CPBO.BO.R) (detail)

195.589(c) (195.573(d))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**4. Cathodic Protection for Breakout Tanks**

**(confirm)** Are cathodic protection monitoring tests performed correctly on breakout tank bottoms? (TD.CPBO.BO.O) ([Also presented in ALO.TD #4](#)) (confirm)

195.573(d)

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**Time-Dependent Threats - External Corrosion - Cathodic Protection**

**8. Cathodic Protection System Maps and Records**

**(confirm)** 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? (TD.CP.MAPRECORD.R) (confirm)

195.589(a) (195.589(b))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

**Time-Dependent Threats - External Corrosion - Cathodic Protection Monitoring**

**7. Cathodic Protection Monitoring Criteria**

**(detail)** Does the process require that CP monitoring criteria be used that is acceptable? (TD.CP.MONITOR.MONITORCRITERIA.P) (detail)

195.402(c)(3) (195.571)

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** [Section 401.2](#)

**17. Interference Currents**

**(detail)** Does the process give sufficient guidance and detail for identifying and testing areas of potential stray current, and minimizing the detrimental effects of stray currents? (TD.CPMONITOR.INTFRCURRENT.P) (detail)

195.402(c)(3) (195.577(a); 195.577(b))

Sat+	Sat	Concern	Unsat	NA	NC
	X				

**Notes:** Section 402.5

## Time-Dependent Threats - Internal Corrosion - Preventive Measures

**16. Internal Corrosion Lining of Breakout Tanks**

**(confirm)** Do records document the adequate installation of breakout tank bottom linings? (TD.ICP.BOLINING.R) (confirm)

195.589(c) (195.579(d))

Sat+	Sat	Concern	Unsat	NA	NC
					X

**Notes:** This inspection is only a Procedures and Plan Review. No O and R questions answered.

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