



Colorado Department of Labor and Employment
 Division of Oil and Public Safety – Compliance Section
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Tank Integrity Certification

(Revised 11/2013)

For use with *Three Methods of Assessing of Buried Steel Tanks Prior to the Addition of Cathodic Protection*, ASTM G158-98.
 Upgrades using ASTM G158-98 must be combined with monthly monitoring for release detection.

Facility Information

Facility Name:	Facility ID:	
Facility Address:	City/State/ZIP:	

Corrosion Testing Company Information

Company Name:		
Company Address:	City/State/ZIP:	
Corrosion Tester:	Phone Number:	
Corrosion Expert:	Phone Number:	
Corrosion Expert Certification Information:	<input type="checkbox"/> NACE Certification type and number: <input type="checkbox"/> Professional Engineer certification type and number:	

Methodology

The method, chosen below, follows the specific ASTM G158-98 procedures of field and laboratory testing and analysis.

Method A: Noninvasive with primary emphasis on statistical and electrochemical analysis of external site environmental corrosion

Method B: Invasive ultrasonic thickness testing with external corrosion evaluation

Method C: Invasive permanently recorded visual inspection including external corrosion assessment

Tank Information

OPS Tank ID Number					
Tank Capacity	gal	gal	gal	gal	gal
Tank Dimensions					
Product Stored in Tank					
Year Installed					
Tank Material					

Analysis and Determination of Suitability for Addition of Cathodic Protection

Tank Tightness Test Result				
Was soil contamination encountered?				
Percent Corrosion Immediately Below Fill Riser	%	%	%	%
Soil Resistivity at the Average Tank Depth	ohm-cm	ohm-cm	ohm-cm	ohm-cm
Soil pH				
Soluble Chloride Ion Concentration	ppm	ppm	ppm	ppm
Sulfide Test				
Average Tank-to-Soil Potential on the UST	mV	mV	mV	mV
Expected Leak-Free Life of Tank	years	years	years	years
Is the tank age less than the expected leak-free life?				
Integrity Assessment Result				
Is the tank suitable for the addition of cathodic protection?				

Corrosion Expert Certification

I certify under penalty of law that:

- All phases of work under ASTM G158-98 were conducted under the responsible supervision of a corrosion expert;
- Personnel performing the assessment work on the tank(s) are knowledgeable of all the applicable procedures in ASTM G158-98;
- All work was performed in strict accordance with ASTM G158-98; and
- All information on this and all attached document is true, accurate and complete.

Corrosion Expert Signature	Date
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Owner/Operator Certification

I certify under penalty of law that:

- I have personally examined and am familiar with the information submitted in this and all attached documents; and
- Based on my inquiry of those individuals immediately responsible for obtaining the information, this information is true, accurate and complete.

Owner/Operator Signature	Date
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Please attach the following documents.

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|---|---|
| 1. Tank tightness test results | 5. Anticipated current requirement for impressed current systems |
| 2. All site-specific data collected to determine suitability for the addition of cathodic protection (soil type, resistivity, pH, etc.) | 6. Location of rectifier for impressed current systems |
| 3. All calculations used to determine suitability for the addition of cathodic protection | 7. Type, size, location and burial depth of all anodes |
| 4. All calculations used to determine system requirements | 8. Location of all test points |
| | 9. Location and burial depth of all subsurface wiring for impressed current systems |