

Iowa Department of Natural Resources Underground Storage Tank Section 6200 Park Ave Ste 200 Des Moines IA 50321

Iowa Department of Natural Resources UST Cathodic Protection Inspection Form

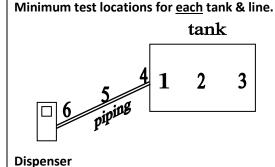
Iowa UST Site Registration Number	f:	Date:	
Cathodic protection system is:	Galvanic Impressed curi	rent Date Installed: _	
	Facility Inform	ation	
Facility Name:			
Address:	City:	ZIP Co	de:
	Cathodic Protection	on Tester	
Tester Name:		Phone Number:	
Company Name:			
Address:			
City:	State:	Zip Co	de:
Tester Qualifications/Training (567-	Chapter 135 IAC, Definitions):		
If NACE Certified Provide Certification No.	.:		
Weather Conditions:			
Temperature: Soi	il/Backfill Conditions (check):	moist dry sand	d gravel soil
	Minimum Inspection Requi	rements Checklist	
potential readings. For impresse voltage settings. Reviewed record of previous car previous inspectors comments a amp and voltage readings and r Provided site diagram with testi Tested the system for electrical equipment. Conducted structure to soil pote along the center line, at the end from anode locations). Conduct For impressed current system, or readings not meeting the -850 For impressed current system, owner if any physical changes h	sing locations properly marked. I continuity: tanks, product lines, entials on all protected tanks, pigds and middle. For each product ted additional tests on long piping conducted structure to soil poter mV requirement, tested for 100 checked rectifier operation and chave been made at site since instant the site owner on the cathodic	ture to soil native potential reaction: tank to soil potential read current systems, review the reflex connectors, vent lines, corping, and flex connectors. A miline, tested above piping at the gruns. Intials for rectifier instant off reamy polarization decay. Current to anodes at any juncticallation.	ings, test locations, and ecord for previous rectifier and other tank system nimum of three per tank e ends and middle (away adings. For polarization on boxes in system. Asked
	Cathodic Protection Syste	em Certification	
The cathodic protection system is o	perating according to its design s	standards and is providing cath	odic protection to the tanks
and product lines: Yes] No		
Signatu	ure of Tester		Date

Registration No.:	Facility Name:	
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Site Diagram

Sketch the facility below showing tanks, piping, buildings, vent lines and dispenser islands. Include all surface openings to tanks for pumps, fill pipes, tank monitoring, etc. Provide tank identification.

On the diagram identify reference cell test locations with an "R" and a sequential number (R1, R2, etc.). Do the same for structure locations using "S" (S1, S2, etc.).



When taking structure to soil potential readings, the reference cell must be as close to the structure as possible and be in direct contact with the soil or backfill material around the tank and piping. For tank potential readings, soil or backfill may be accessed through openings for pump risers, tank monitors, etc. directly above tank when available. Permanent cathodic protection monitoring stations providing access to soil or backfill may need to be established through concrete or asphalt paving above tank and piping. Do not take structure to soil potential readings with the reference cell directly on concrete or asphalt paving. Potential readings made in this manner are not valid and will not be accepted.

Rectifier Readings (for impressed current system only)						
Design settings: Amperes	Volts	Comments:				
Current readings: Amperes	Volts					

registration from	Registration No.:	Facility Name:	
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CONT	INUITY MEASUREN	MENTS	STRUCTURE TO SOIL POTENTIAL MEASUREMENTS					
	(in millivolts)		(All Potential Measurements in millivolts)					
Location Code*	Location Description	Voltage (mV)	Location Code*	Location Description	System Operating Potential	Rectifier Instant Off Potential	Rectifier Off Final Potential (Native)	Potential Shift
Tank #	Volume:	_ l	Product:					
R			S			Impressed	current syst	ems only
S			R					
S			R					
S			R					
S			R					
S			R					
S			R					
Tank #	Volume:		Product:					1
R			S			Impressed	current syst	ems only
S			R					
S			R					
S			R					
S			R					
S			R					
S			R					
Tank #	Volume:		Product:			Improceed	current cust	ome only
R			S			Impressed	Lurrent syst	enis only
S			R					
S			R					
S			R					
S			R					
S			R					
S			R					
Tank #	Volume:		Product:		_	Impressed	current cyct	ems only
R			S			iiiipiessea		eilis Ulliy
S			R					
S			R					
S			R					
S			R					
S			R					
S			R			_		
COMMEN	TS							

^{*} R = reference electrode location, S = structure contact

Registration No.:	Facility Name:	
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CONTINUITY MEASUREMENTS			STRUCTURE TO SOIL POTENTIAL MEASUREMENTS						
	(in millivolts)		(All Potential Measuren						
Location Code*	Location Description	Voltage (mV)	Location Code*	Location Description	System Operating Potential	Rectifier Instant Off Potential	Rectifier Off Final Potential (Native)	Potential Shift	
Tank #	Volume:		Product	:	-				
R			S			Impressed	current syst	ems only	
S			R						
S			R						
S			R						
S			R						
S			R						
S			R						
Tank #	Volume:		Product	:					
R			S			Impressed	current syst	ems only	
S			R						
S			R						
S			R						
S			R						
S			R						
S			R						
Tank #	Volume:		Product	•	•	Imamagaad		ome only	
R			S			Impressed	- Lurrent syst	enis only	
S			R						
S			R						
S			R						
S			R						
S			R						
S			R						
Tank #	Volume:		Product			Impressed	current cyct	oms only	
R			S			impressed	current syst	erris Orriy	
S			R						
S			R						
S			R						
S			R						
S			R						
S			R						
COMMEN	TS								

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