



Underground Storage Tanks

Cathodic Protection System Evaluation

Impressed Current Type

Submit this form to the MPCA **within 30 days** after conducting an evaluation of a regulated underground storage tank (UST) system with an **impressed current type** cathodic protection system.

MPCA Use Only	
Site #:	
County:	
Date rec'd:	

Ways to submit:

- Mail: Attn: Joann Henry at above address
- Fax: 651-297-2343 or 651-297-8683, Attn: Joann Henry

Important:

- Form must be completed and signed by a qualified Cathodic Protection Expert.
- Evaluation must be in accordance with NACE RP0285, Corrosion Control of UST Systems by Cathodic Protection.
- At least two test points per tank and per piping run must be utilized.
- A site diagram showing tank and piping locations and reference cell placement must be provided.
- **Incomplete and unsigned forms will be returned.**

Site Information

Site name: _____
 Address: _____
 City: _____ State: _____ Zip code: _____
 Phone: _____ County: _____ Site # (if known): _____

Owner Information

Site name: _____ Phone: _____
 Address: _____
 City: _____ State: _____ Zip code: _____

Cathodic Protection Expert Information

Site name: _____
 Address: _____
 City: _____ State: _____ Zip code: _____
 Phone: _____ STI certification #: _____ NACE certification #: _____

Reason for Evaluation

- Routine annual evaluation
- Re-evaluation within six months of installation
- Re-evaluation with six months of a repair/modification

Result of Evaluation

- Pass -850 mV Structure to soil potential more negative than -850 mV when protective current interrupted (instant off). All protected structures at this facility pass the cathodic protection evaluation. Cathodic protection is adequate to protect the UST system.
- Pass 100 mV Structure tested exhibits at least 100 mV cathodic depolarization (decay) after protective current disconnected or turned off. All protected structures at this facility pass the cathodic protection evaluation. Cathodic protection is adequate to protect the UST system.
- Fail One or more protected structures at this facility fail the cathodic protection evaluation. Cathodic protection is inadequate to protect the UST system. **See results on back.**

Action Required

- None Cathodic protection is adequate. No further action is necessary at this time.
- Repair & Retest Cathodic protection is not adequate. Repair/modification is necessary as soon as possible, not to exceed 60 days. Re-evaluation required within 6 months of repair/modification.

Test again no later than (mm/dd/yyyy): _____

Test Results

Test Point	Structure description	*Structure to Soil Potential - Volts					Structure Status <small>(connected or isolated to CP system)</small>
		Rectifier ON	Instant OFF	Depol reading	Depol change	Native (max depolarization)	
(example)	Tank 1, bottom tank at fill	-1.175	-.926	-.650	-.276	-.531	PASS
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							

* All structure to soil potentials are negative unless otherwise noted.
 All **OFF** structure to soil potentials must be 0.850V or more negative to meet criteria **OR**
 depolarization voltage must be at least **.100V** less than **Instant OFF** voltage to meet criteria.

Rectifier setting: _____ Measured rectifier output: _____ V _____ A

Site Diagram (Show location of all tanks, piping, and dispensers. Show each half-cell placement. Number each test point.
 May attach site diagram on a separate sheet.)

Signature of Cathodic Protection Expert: _____ Date of evaluation: (mm/dd/yyyy) _____