



Minnesota Pollution Control Agency

520 Lafayette Road North
St. Paul, MN 55155-4194

Underground Storage Tanks

Cathodic Protection System Evaluation
Impressed Current Type

ID 12032

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.

Table with 2 columns: Field (Site #, County, Date rec'd) and Value (12032)

Ways to submit:

- Mail: Attn: Joann Henry at above address
Fax: 651-297-2343 or 651-297-8883, 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: Olsons Transfer Station
Address: 4101 148th St NW
City: Hasty / Clearwater State: MN Zip code:
Phone: County: Wright Site # (if known):

Owner Information

Site name: Ron Olson Phone:
Address:
City: State: Zip code:

Cathodic Protection Expert Information

Site name: Westside Equipment
Address: 902 West Humphreys
City: Medina State: MN Zip code: 55340
Phone: 762-478-9572 STI certification #: CP-SP13-07 NACE certification #:

Reason for Evaluation

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

Result of Evaluation

- [X] 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.
[X] 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

- [X] 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):

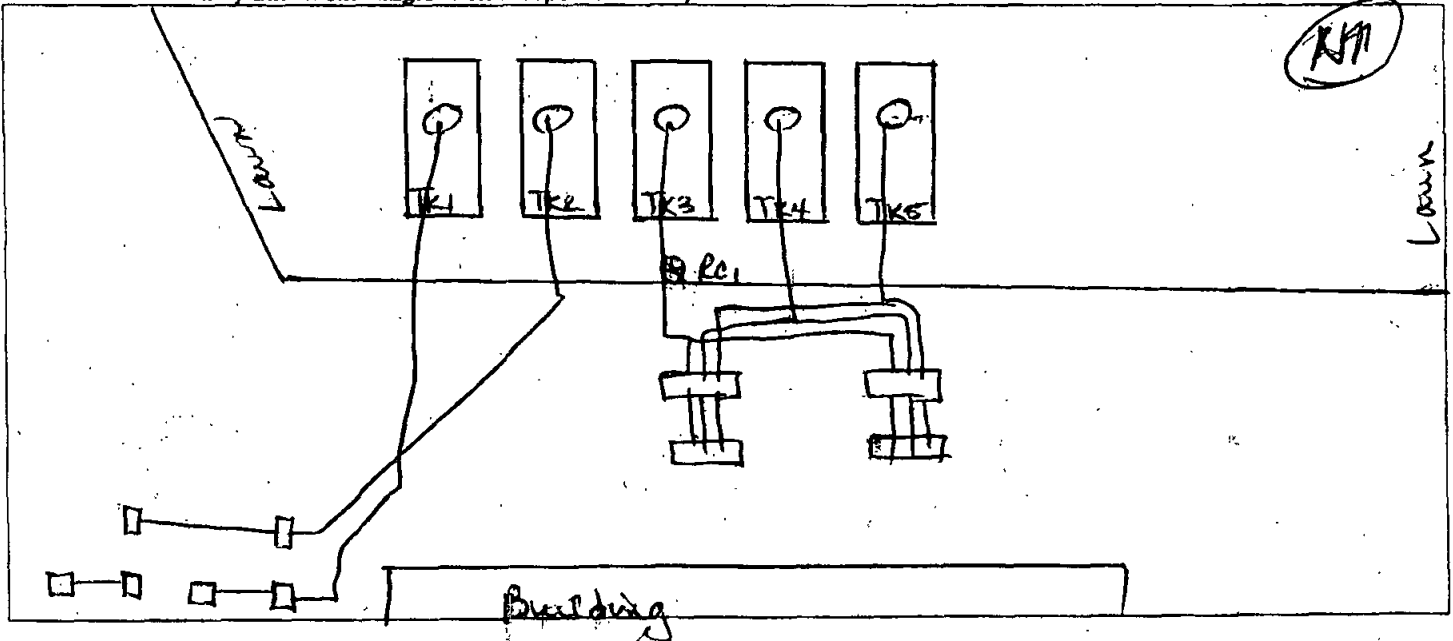
Test Results

Test Point	Structure description	*Structure to Soil Potential - Volts					Structure Status (connected or isolated to CP system)
		Rectifier ON	Instant OFF	Depol reading	Depol change	Native (max depolarization)	
1	Tank 1, bottom tank @ fill	-1.925	-930	-890	-.040	-714	pass
2	Tank 2	-1.934	-951	-904	-.047		pass
3	Tank 3	-1.987	-970	-928	-.042		pass
4	Tank 4	-1.974	-976	-938	-.038		pass
5	Tank 5	-1.953	-981	-941	-.040		pass
6	Line 1, out STP	-1.824	-922	-914	-.008		pass
7	Line 2	-1.869	-931	-916	-.005		pass
8	Line 3	-1.901	-933	-916	-.017		pass
9	Line 4	-1.945	-945	-918	-.027		pass
10	Line 5	-1.952	-960	-921	-.039		pass
11	Line 1, out deep piping	-1.802	-902	-890	-.012		pass
12	Line 2	-1.847	-908	-887	-.021		pass
13	Line 3	-1.899	-918	-892	-.026		pass
14	Line 4	-1.921	-921	-894	-.027		pass
15	Line 5	-1.931	-942	-908	-.034		pass
16							*reading from conduct @
17							cathodic power source
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: not available this system Measured rectifier output: 12 V 7 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)

5-20-09