



**Minnesota Pollution Control Agency**

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

# Underground Storage Tanks

## Cathodic Protection System Evaluation

### Sacrificial Anode Type

Submit this form to the MPCA within 30 days after conducting an evaluation of a regulated underground storage tank (UST) system with a sacrificial anode (galvanic) type cathodic protection system

MPCA Use Only	
Site #:	4581
County:	Crow Wing
Date rec'd	9-16-08

**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 Tester.
- 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: Dons One Stop  
 Address: 2 East Main Street  
 City: Crosby, State: MN Zip code: 56441  
 Phone: 763-681-5113 County: Crow Wing Site # (if known): \_\_\_\_\_

**Owner Information**

Site name: Horizon Bank Dan Daigle Rep Phone: 763-691-5113  
 Address: 600 Hillside Avenue S.W  
 City: Pine City State: MN Zip code: 55063

**Cathodic Protection Tester Information**

Site name: Lakewood Petroleum Services LLC---Kevin Vadnais  
 Address: Box 298  
 City: Brainerd State: MN Zip code: 56401  
 Phone: 218-820-1351 STI certification #: CP-81904 NACE certification #: \_\_\_\_\_

**Reason for Evaluation**

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

**Result of Evaluation**

- Pass All protected structures at this facility pass the cathodic protection evaluation Cathodic protection is adequate (- 850 mv or greater) to protect the UST system.
- Fail One or more protected structures at this facility fail the cathodic protection evaluation Cathodic protection is inadequate (- 850 mv or less) 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) 11-4-08**

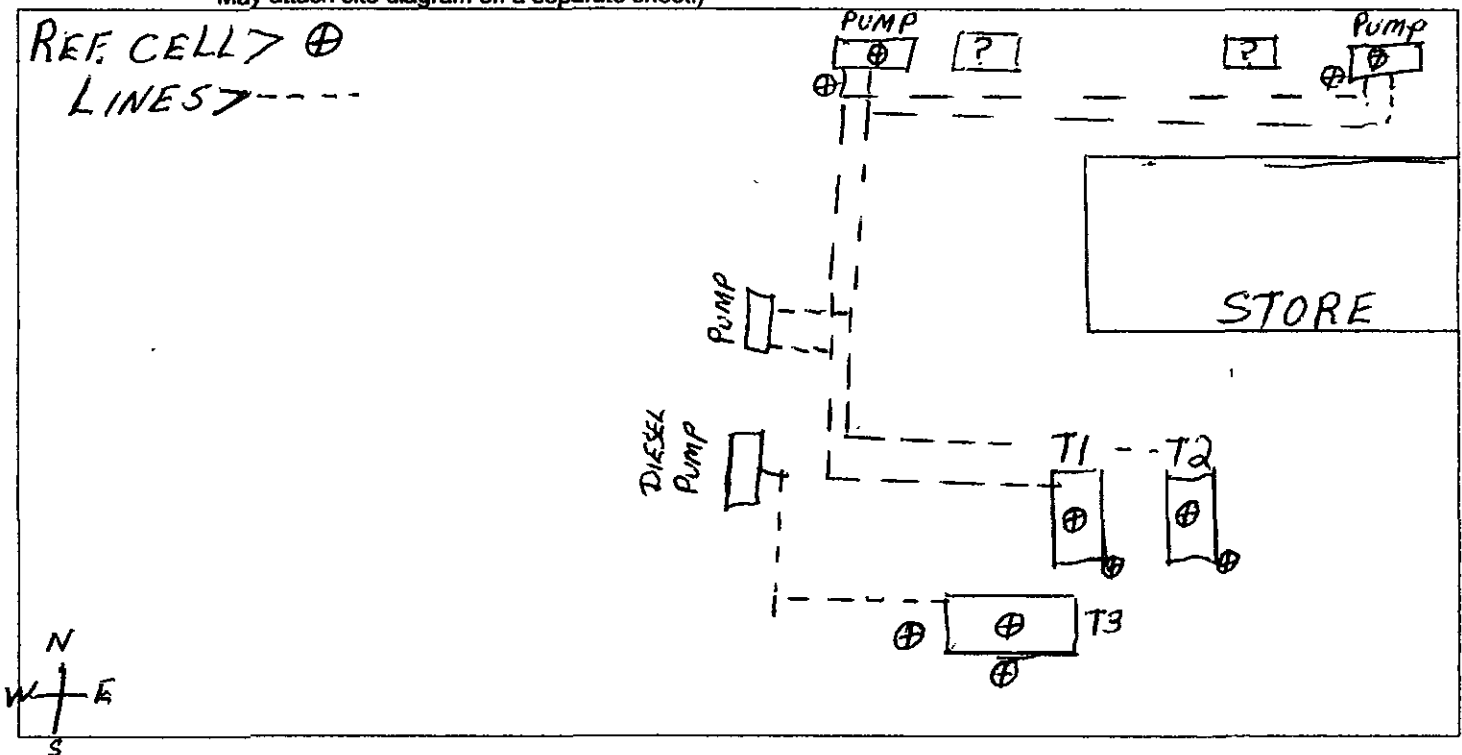
# Test Results

Test Point	Structure Description	*Potential Volts (V)	Structure Status
(example)	Tank #1: Diesel	.989	Pass
1	Tank 1# unleaded	-1.04	PASS
2	Tank 1# "" ""	-1.07	PASS
3	Tank 2# Premium	-.98	PASS
4	Tank 2# "" ""	-.97	PASS
5	Tank 3# Diesel	-.74	FAIL
6	Tank 3# "" ""	-.54	FAIL
7			
8	Line 1# unleaded	-.51	FAIL
9	Line 1# " "	-.63	FAIL
10	Line 2# Premium	-.51	FAIL
11	Line 2# " "	-.53	FAIL
12	Line 3# Diesel	-.52	FAIL
13	Line 3# " "	-.60	FAIL
14			
15			
16	SUCTION SYSTEM		
17			
18			
19			

Structure Isolation	Voltage	Isolated
Tank to tank		
Tank to conduit		
Tank to pipe		
Pipe to pipe		
Pipe to conduit		

Half-cell placement (Describe soil type, e.g. clay, gravel, black dirt): gravel,sand

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 Tester:

*Kevin J. Vadnais*

Date of evaluation: (mm/dd/yyyy)

9-4-08