

Kentucky Department for Environmental Protection
Division of Waste Management
Underground Storage Tank Branch
300 Sower Boulevard, Second Floor – Frankfort KY 40601
(502) 564-5981

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UST Galvanic Cathodic Protection Evaluation

1. UST Facility Information

Agency Interest Number (AI)	2808		
UST Facility Name	Marathon		
UST Facility Physical Address	Street Address: 1701 W. Jefferson		
	City: Plymouth, IN	County: Marshall	Zip Code: 46356-

2. Cathodic Protection Tester Evaluation (mark only one)

Date of Evaluation	11 / 14 / 2020		
Reason for Evaluation (mark only one)	☐ New Install (within 180 days) ☐ Re-evaluation following repair / modification (within 180 days) ☒ Routine (every 36 months) ☐ Re-evaluation following a failure (within 30 days)		

All protected structures at this UST facility pass the cathodic protection system evaluation and it is judged that adequate cathodic protection has been provided to the UST system. Complete Section 4.

☒ Pass

One or more protected structure at this UST facility fail the cathodic protection system evaluation and it is judged that adequate cathodic protection has not been provided to the UST system. Complete Section 5.

☐ Fail

If the remote and the local potential readings do not both indicate the same test result on all protected structure (both pass or both fail), the cathodic protection system shall be re-evaluate and/or retested by a corrosion expert. Complete Section 3.

☐ Inconclusive

I certify that all the information provided on this document is true, accurate, and complete.

Cathodic Protection Tester Certification	Printed	Adam Case	Date	11 / 14 / 2020
	Signature	Adam Case		
Certification Type (mark all that apply)	☐ NACE ☒ STI ☐ Other (specify):			
Certification	Number: CPT 16264		Expiration Date: 10 / 3 / 2021	
Contact Information	Phone: (800)975-1436		Email: adam@midwesttanktesting.com	
Company Name	Midwest Tank Testing			

3. Corrosion Expert Evaluation (mark only one)

The evaluation shall be conducted and/or evaluated by a corrosion expert when: a) an inconclusive is indicated for any protected structure since both the local and the remote structure-to-soil potentials do not result in the same outcome (both pass or both fail); b) repairs to galvanized or uncoated steel piping are conducted or c) supplemental anodes are added to the tanks and/or piping without following an acceptable industry code.

Date of Evaluation	/ /		
All protected structures at this UST facility pass the cathodic protection system evaluation and it is judged that adequate cathodic protection has been provided to the UST system. Complete Section 4.	☐ Pass		
One or more protected structure at this UST facility fail the cathodic protection system evaluation and it is judged that adequate cathodic protection has not been provided to the UST system. Complete Section 5.	☐ Fail		

I certify that all the information provided on this document is true, accurate, and complete.

Corrosion Expert Certification	Printed		Date	/ /
	Signature			
	License #		License Expiration Date	/ /

AI _____

4. Applicable Evaluation Criteria (mark all that apply)

Structure-to-soil potential more negative than -850mV with respect to a Cu/CuSO ₄ reference electrode with the protective current applied. Applicable to any galvanically protected structure.	☒ 850 On
Structure-to-soil potential more negative than -850mV with respect to a Cu/CuSO ₄ reference electrode with the protective current temporarily interrupted. Applicable to galvanic systems where anodes can be disconnected.	☐ 850 Off
Structure tested exhibits at least 100mV of cathodic polarization. Applicable to galvanic systems where anodes can be disconnected.	☐ 100 mV Polarization

5. Required Actions (mark only one)

Cathodic protection is adequate. No further action is necessary at this time. Next evaluation due 3 years from the date of this evaluation or if another reason listed in Section 2 (Reason for Evaluation) occurs.	☒ None
Cathodic protection may not be adequate. Re-evaluate during the next 90 days to determine if passing results can be achieved.	☐ Re-evaluation
Cathodic protection is not adequate. A repair or modification is necessary as soon as practical, but within the next 90 days.	☐ Repair & Re-evaluation

Next Cathodic Protection Evaluation shall be completed by 11 / 14 / 2023

6. Description of Evaluated UST System

Tank	Product	Capacity (gal)	Tanks	Piping	Flex Connectors	
					STP	UDC
1	Reg		FRP	Flex		
2	Prem		FRP	Flex		
3	Des		FRP	Flex		
4	Reg 2		FRP	Flex		
5	Kero		Steel	FRP		
6						

7. Description of Cathodic Protection System Repairs and/or Modifications

Provide detailed information about all modifications or repairs made to the cathodic protection system. Provide a detailed drawing below of the UST facility and cathodic protection systems. Sufficient detail shall be given in order to clearly indicate where the reference electrode was placed for each structure-to-soil potential that is recorded on the survey forms. At a minimum indicate the following:

- | | |
|--------------------------|--|
| a) Tanks | e) Anodes and Wires |
| b) Piping | f) Location of CP Test Stations |
| c) Dispensers | g) Each reference electrode placement (indicated by a code: 1, 2, T-1, T-2) corresponding with the appropriate line number in Section 9. |
| d) Buildings and Streets | |

- ☐ Supplemental anodes for metallic pipe (attach corrosion expert's design or documentation that industry standard was followed).
- ☐ Supplemental anodes for a sti-P³® tank (attach corrosion expert's design or documentation that industry standard was followed).
- ☐ Galvanically protected tanks/piping not electrically isolated (explain in "Remarks/Other" below).

Remarks/Other

Detailed Drawing

Use this section to document a survey of a galvanic cathodic protection system by obtaining structure-to-soil potential measurements.

Comments

If you have questions on how to fill out this form please contact the cabinet at (502) 564-5981 or visit our web site at <http://waste.ky.gov/ust>. For copies of UST facility records please visit <http://eec.ky.gov/pages/openrecords.aspx> or email EEC.KORA@ky.gov.

¹³ Indicate whether the tested structure passed or failed the -850 mV “on” criterion based on the interpretation of the test data.



AN ENVIRONMENTAL COMPLIANCE COMPANY

209 S Calumet Rd
Chesterton, IN 46304

CPS Diagram

TEST DATE

11/14/2020

Testing Company Information

Name Midwest Tank Testing

Address 209 S Calumet Rd

City/State/Zip Chesterton, IN 46304

Phone 800-975-1436

Tech Name Adam Case

Cert # 27-1160

Test Location Information

Name and FID # Marathon - FID # 2808

Address 1701 W. Jefferson

City/State/Zip Plymouth, IN 46563

