LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
GALVANIC CATHODIC PROTECTION SYSTEM EVALUATION

- This form may be utilized to evaluate underground storage tank (UST) cathodic protection (CP) systems in Louisiana.
- A site drawing depicting the UST system must be attached to the evaluation form.

I. UST OWNER		II. UST FACILITY	
NAME:		**NAME:**	**AI#**
ADDRESS:		**ADDRESS:**	
CITY:	**STATE:**	**CITY:**	**PARISH:**

III. REASON SURVEY WAS CONDUCTED

☐ Routine - 3 year ☐ After Repair/Modification ☐ Within 6 months of Installation

IV. CATHODIC PROTECTION TESTER'S EVALUATION

☐ **PASS**	All protected structures at this facility pass the CP survey and the continuity survey indicates all protected structures are isolated
☐ **FAIL**	One or more protected structures at this facility fail the CP survey
☐ **INCONCLUSIVE**	Remote and local do not indicate the same test result on all protected structures (both pass or both fail), continuity survey indicates continuous or inconclusive results, or stray current is suspected to be affecting the structure

CP TESTER'S SIGNATURE:	**DATE OF CP SURVEY:**

CP TESTER	CP TESTER'S QUALIFICATIONS
TESTER'S NAME:	**NACE INTERNATIONAL CERTIFICATION NUMBER:**
COMPANY NAME:	**OTHER:**
ADDRESS:	**OTHER:**

V. CORROSION EXPERT'S EVALUATION

☐ **PASS**	All protected structures at this facility have been judged to have adequate CP
☐ **FAIL**	One or more protected structures at this facility fail the CP survey and it is judged that adequate CP has not been provided to the UST system

CORROSION EXPERT'S NAME:	**COMPANY NAME:**
NACE INTERNATIONAL CERTIFICATION:	**NACE INTERNATIONAL CERTIFICATION NUMBER:**
CORROSION EXPERT'S SIGNATURE:	**DATE:**

VI. CRITERIA APPLICABLE TO EVALUATION

☐ **850 On**	Structure-to-soil potential more negative than –850 mV with respect to a $Cu/CuSO_4$ reference electrode with the protective current applied
☐ **850 Instant Off**	Structure-to-soil potential more negative than –850 mV with respect to a $Cu/CuSO_4$ reference electrode with protective current temporarily interrupted (all anodes disconnected)
☐ **100 mV Polarization**	Structure tested exhibits at least 100 mV of cathodic polarization

VII. ACTION REQUIRED AS A RESULT OF THIS EVALUATION

☐ **None**	Cathodic protection is adequate and no further action is necessary at this time
☐ **Retest**	Cathodic protection may not be adequate – Retest during next 30 days to achieve passing results
☐ **Repair & Retest**	Cathodic protection is not adequate - Repair within 60 days of first fail and retest after repair

The next "routine" test of the cathodic protection system must be conducted by no later than:

VIII. DESCRIPTION OF UST SYSTEM

STATUS	PRODUCT	CAPACITY	TANK MATERIAL	INSTALL	PIPE MATERIAL	INSTALL	STP CONT. SUMP	MPD CONT. SUMP

PIPING FLEX CONNECTORS

LOCATION	TYPE of CORROSION PROTECTION		LOCATION	TYPE of CORROSION PROTECTION

IX. DESCRIPTION OF CATHODIC PROTECTION SYSTEM REPAIRS AND/OR MODIFICATION

☐ Anodes added to sti-P_3® tank ☐ Anodes added to buried metallic pipe ☐ Anodes added to containment sumps

☐ Other (explain):

COMMENTS:

DESCRIPTION OF REPAIRS NEEDED:

RECOMMENDATIONS FOR CONTINUED OPERATION:

X. CONTINUITY SURVEY

STRUCTURES TESTED		POINT-TO-POINT TEST	FIXED CELL-MOVING GROUND TEST			TEST RESULT
STRUCTURE "A"	STRUCTURE "B"	POINT-TO-POINT VOLTAGE DIFFERENCE (mV)	STRUCTURE "A" FIXED REMOTE VOLTAGE (mV)	STRUCTURE "B" FIXED REMOTE VOLTAGE (mV)	STRUCTURE "A" / "B" VOLTAGE DIFFERENCE(mv)	ISOLATED/ CONTINUOUS/ INCONCLUSIVE

REMARKS:

XI. STRUCTURE-TO-SOIL POTENTIAL SURVEY

LOCATION OF REMOTE REFERENCE CELL 1 (R1): | **NOTE: All measurements recorded in millivolts (mV) unless noted**

LOCATION OF REMOTE REFERENCE CELL 2 (R2): | **Ending voltage(s) recorded after (elapsed time):**

STRUCTURE	STRUCTURE CONTACT POINT	LOCATION OF LOCAL REFERENCE CELL	LOCAL/ON VOLTAGE	REMOTE 1 VOLTAGE	REMOTE 2 VOLTAGE	INSTANT OFF VOLT	ENDING VOLTAGE	VOLTAGE SHIFT	PASS/FAIL/ INCONCLUSIVE

REMARKS: