

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

GALVANIC CATHODIC PROTECTION SYSTEM EVALUATION (APPENDIX K)

- Use this form when evaluating underground storage tank (UST) cathodic protection systems in the State of Alaska.
- Access to the soil directly over the cathodically protected structure being evaluated must be provided.
- Complete the Site Sketch (*Appendix L*) of tank and piping cathodic protection systems, including reference cell placements.

I. UST OWNER		II. UST FACILITY	
NAME:		FACILITY NAME:	FAC #
ADDRESS:		ADDRESS:	
CITY:	STATE/ZIP:	CITY:	CONTACT PHONE:

III. CP TESTER	IV. CP TESTER'S QUALIFICATIONS
CP TESTER'S NAME:	ADEC CATHODIC PROTECTION-TESTER LICENSE NUMBER:
COMPANY:	NACE INTERNATIONAL CERTIFICATION NUMBER:
EMAIL:	STEEL TANK INSTITUTE CERTIFICATION NUMBER:
CONTACT PHONE:	OTHER (EXPLAIN):

V. REASON SURVEY WAS CONDUCTED (mark only one)

Routine 3-year test
 Survey after fix/upgrade, within six months
 Routine - 6 months after install
 60-day resurvey after fail
 Date of the next required cathodic protection survey: _____ (required within six months of installation and every three years thereafter).

VI. CATHODIC PROTECTION TESTER'S EVALUATION (mark only one)

PASS All protected structures at this facility pass the cathodic protection survey and it is judged that adequate cathodic protection is provided to the UST system (complete Section VIII).
 FAIL One or more protected structures at this facility fail the cathodic protection survey and adequate cathodic protection has not been provided to the UST system (complete Section IX).
 INCONCLUSIVE If the remote and the local do not both indicate the same test result on all protected structures (both pass or both fail), inconclusive is indicated and the survey must be evaluated and/or conducted by a corrosion expert (complete Section VII).

CP TESTER'S SIGNATURE:	DATE CP SURVEY PERFORMED:
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VII. CORROSION EXPERT'S EVALUATION (mark only one)

The survey must be conducted and/or evaluated by a corrosion expert (*18 AAC 78.995(40)*) when: an inconclusive is indicated for any protected structure; repairs or upgrades to galvanized or uncoated steel piping are done; supplemental anodes are added (not just replaced) to the tanks and/or piping.

PASS All protected structures at this facility pass the cathodic protection survey and it is judged that adequate cathodic protection has been provided to the UST system (indicate all criteria applicable by completion of Section VIII).
 FAIL One or more protected structures at this facility fail the cathodic protection survey and it is judged that adequate cathodic protection has not been provided to the UST system (indicate what action is necessary by completion of Section IX).

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

VIII. CRITERIA APPLICABLE TO EVALUATION (mark all that apply)

-850 mV ON Structure-to-soil potential more negative than -850 mV with respect to a Cu/CuSO₄ reference electrode with the protective current applied (This criteria applies to any galvanically protected structure).
 -850mV OFF Structure-to-soil potential more negative than -850 mV with respect to a Cu/CuSO₄ reference electrode with protective current temporarily interrupted (this criteria applies only to those galvanic systems where the anodes can be disconnected).
 100 mV POLARIZATION Structure tested exhibits at least 100 mV of cathodic polarization (This criterion is applicable to galvanic systems where the anodes can be temporarily disconnected).

IX. ACTION REQUIRED AS A RESULT OF THIS EVALUATION (mark only one)

NONE Cathodic protection is adequate. No further action is necessary at this time. Test again within three years (see Section V).
 RETEST Cathodic protection may not be adequate. Retest during the next 90 days to determine if passing results can be achieved.
 FIX/UPGRADE & TEST Cathodic protection is not adequate. Required to upgrade, replace or fix within 60 days unless ADEC approves written request for an extension.

