GALVANIC CATHODIC PROTECTION EVALUATION CHECKLIST

FOR UNDERGROUND STORAGE TANKS

This checklist certifies that cathodic protection testing activities were performed and conducted in accordance with Chapter 173-360A WAC. Instructions are found on the back page.

I. UST FACILITY	II. CERTIFIED CATHODIC PROTECTION TESTER
Facility Compliance Tag #: **A0005**	Service Provider Name: **MARCUS ROUNDS**
UST ID #: **3997**	Company Name: **MTM SERVICES LLC**
Site Name: **FOODMART #0605**	Address: **PO BOX 576**
Site Address: **108 HWY 603**	City: **TWISP** State: **WA** Zip: **98856**
City: **CHEHALIS**	Phone: **509-560-0421** Email: **MARCUS.ROUNDS94@GMAIL.COM**
County: **LEWIS**	Certification Type: **STI**
Phone: **253-255-0487**	Certification Number: **CP- 16624** Exp. Date: **06-25**

III. RESULTS OF EVALUATION (which include results of both continuity and system surveys)

☒ **PASS** ☐ **FAIL**

The criteria used to evaluate whether cathodic protection is adequate were in accordance with a code of practice developed by a nationally recognized association (e.g. NACE), as required by the Washington State Underground Storage Tank Regulations.

Date CP Evaluation Performed: 9/18/2024

IV. CRITERIA APPLICABLE TO EVALUATION

☒ **PASS** – continuity data is passing and no action is needed

☐ **FAIL** – continuity data is failing and the system requires a repair or retrofit

Neg. 850 mV ON	☒ PASS			3		A negative (cathodic) potential of at least -850 mV with the cathodic protection applied. This potential is with respect to a saturated copper-copper sulfate reference electrode containing electrolyte.
	☐ FAIL					
Neg. 850 mV Instant Off	☐ PASS					A negative polarized potential of at least 850 mV relative to a saturated copper-copper sulfate reference electrode (Instant Off Potential).
	☐ FAIL					
100 mV Polarization	☐ PASS					A minimum of 100 mV of cathodic polarization between the structure surface and a stable reference electrode contacting the electrolyte.
	☐ FAIL					

V. ACTION REQUIRED AS A RESULT OF THIS EVALUATION (check one box and explain further in comment box below)

☒ NONE	The cathodic protection system is adequately providing protection. No further action is necessary at this time. System must be tested in three years unless more immediate attention is required.
☐ RETEST	The cathodic protection system may not be adequately protecting steel from corroding. Retesting is necessary.
☐ RETROFIT/REPAIR	The cathodic protection system is not adequately providing protection. Retrofitting or repairing is necessary.
☐ RETEST AFTER RETROFIT/REPAIR	The cathodic protection system has been retrofitted or repaired and tested at time of the retrofit/repair. Testing is required again within one to six months after the retrofit or repair.

Comments (include type of testing gear used, steel components tested, etc.: **FLUKE 110 MULTIMETER, MCMILLER RE-5 REFERENCE CELL, COPPER ROD, WIRE SPOOL**

1. If no submersible turbine pump (STP) is present, these steel flex connectors (SFC) are on the tank end of piping.
2. If no dispenser is installed, these SFCs are on the non-tank end of piping.

VI. Continuity Survey

Structure "A"	Structure "B"	Point "A" to Point "B" or Fixed Cell Location >30'	Structure "A" Fixed Voltage >30'	Structure "B" Fixed Voltage >30'	Point-to-Point or Fixed Voltage Difference	PASS	FAIL	Method and Standards Used (e.g. RP-0285, R051)
FLEX 680	FILL	30' SOUTH	-1228 MV	-528 MV	700 MV	☒	☐	R051
FLEX 182	FILL	"	-1349 MV	-474 MV	875 MV	☒	☐	"
FLEX 181	FILL	"	-1466 MV	-472 MV	-994 MV	☒	☐	"
						☐	☐	
						☐	☐	
						☐	☐	
						☐	☐	
						☐	☐	
						☐	☐	
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						☐	☐	

VII. System Survey

Structure	Contact Point	Half Cell Location	Local Voltage "ON"	Local Voltage "Instant Off"	Remote Voltage "ON" >30'	Local Voltage (Depolarized)	PASS	FAIL	Method and Standard Used
FLEX 680	LINE	STP	-1092 MV		-1228 MV		☒	☐	-850 ON
FLEX 182	"	"	-1146 MV		-1349 MV		☒	☐	"
FLEX 181	"	"	-1253 MV		-1466 MV		☒	☐	"
							☐	☐	
							☐	☐	
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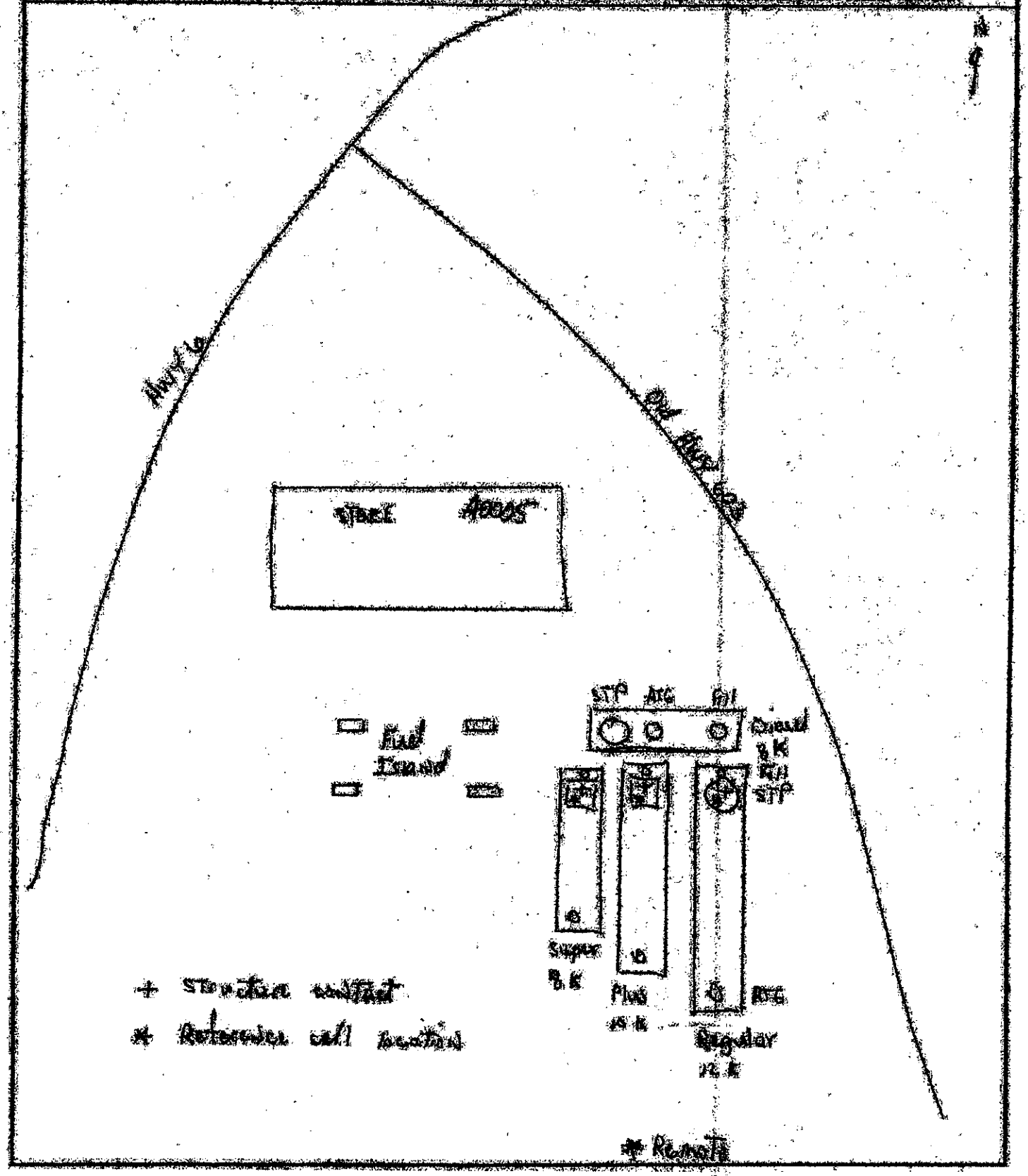
							☐	☐	
							☐	☐	

Diagram the UST System, including tanks, piping, and dispenser locations, approximate scale, and any other notable structures/physical features, indicate north with arrow. On the map below, include the fall of land before and during testing. All test points must be easily identifiable, so that testing can be reproduced and your results verified.



IX. Retrofit or Repair Design (if applicable)

All retrofitting or repairs to CP systems shall be designed by a Corrosion Expert. I certify that I am a Corrosion Expert qualified to engage in the practice of corrosion control on buried or submerged metal piping systems and metal tanks. I have attached copies of the retrofit/repair design and of the Underground Storage Tank Retrofit and Repair Checklist.

Corrosion Expert's Name:	Company's Name:
Nationally Recognized Association:	Certification Number:
Corrosion Expert's Signature:	***Date:***

X. Required Signatures

The certified supervisor certifies the criteria used to evaluate whether cathodic protection is adequate were in accordance with a code of practice developed by a nationally recognized association (e.g. NACE), as required by the Washington State Underground Storage Tank Regulations.

9-18-2024		Marcus Rounds
Date	Signature of Certified Supervisor	Print or Type Name
9-18-2024	AMAN	AMAN
Date	Signature of Tank Owner or Authorized Representative	Print or Type Name