



10100 DIXIE HWY. * CLARKSTON, MI 48348
(248) 620-0070 * (248) 549-3610
FAX: (248) 620-0071 * 620-0072

Site Name:	COUNTRY CUPBOARD #5305	Date:	5/5/2025
Street Address:	26395 State Road 2	Call Number:	250313-0094
City, State, Zip Code:	South Bend, IN, 46619-4720	Phone Number:	5742871990
		Email Address:	

CATHODIC PROTECTION SURVEY RESULTS

The Oscar W. Larson Company is pleased to have the opportunity to provide you with our services for this project. We use the criteria established by NACE international for underground storage tank protection. The NACE standard RP0285 must be met to achieve the cathodic protected status.

The Oscar W. Larson Company recently conducted the cathodic protection testing of the following structures:

DATA ITEM	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6	Tank 7	Tank 8	Tank 9	Tank 10
Tank Ident	No Lead	Diesel	Premium	Kerosene						
Tank Capacity	12,000-Gal	8,000-Gal	6,000-Gal	2,000-Gal						

The results of the survey indicate that all structures ☒ Do ☐ Do Not meet either the -.850 millivolts criterion and/or the 100 millivolts polarization cathodic criterion for cathodic protection as established by NACE.

NACE RP0285-2002; 5.4.2 abnormal conditions in which protection is ineffective or only partially effective sometimes exists. Such conditions may include elevated temperatures, disbanded coatings, shielding, bacterial attack, and unusual contaminates in the soil.

In summary, the structures ☒ Do ☐ Do Not meet regulatory requirements and are cathodically protected in accordance with one of the criteria established by NACE international as the data indicates.

The collected field data consists of continuity and structure to soil potential measurements. This field data is attached below for your review.

Should you have any questions regarding the following information, please do not hesitate to call us.

Sincerely,

Justin Delong
Oscar W. Larson Co.
P: 248-240-0713
E: justin.delong@owlservices.com

CATHODIC PROTECTION TEST RESULTS

Site Name:	COUNTRY CUPBOARD #5305	Date:	5/5/2025
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EQUIPMENT INFORMATION

Test Meter:	FLUKE 27	Serial #:	47950757sv	Calibration Date:	5/5/2024
Half Cell Type:	COPPER	Serial #:	013	Calibration Date:	5/5/2025
Weather Conditions:	Sunny	Temperature:	68°		
Rectifier Make:		Serial No.:		Model:	
Rectifier Settings:		Course:		Fine:	
Rectifier Readings:		Voltage:		Amperage:	
Shunt Reading:					

STRUCTURE INFORMATION -- SACRIFICIAL

DATA ITEM	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6	Tank 7	Tank 8	Tank 9	Tank 10
Tank Cover	Concrete	Concrete	Concrete	Concrete						
Tank Ident	No Lead	Diesel	Premium	Kerosene						
Tank Capacity	12,000-Gal	8,000-Gal	6,000-Gal	2,000-Gal						
Pipe Material	Flexible	Flexible	Flexible	Flexible						
Pipe System Type	Pressure	Pressure	Pressure	Suction						
NACE Tester Certification #	201869 ICC#10398459									

NOTES: New install on kerosene tank



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Sacrificial System							
TANK #	TANK IDENT	CONTACT POINT #	CONTACT POINT	LOCATION OF REFERENCE CELL		VOLTAGE (CURRENT ON)	COMMENTS (PASS / FAIL)
1	No Lead	1	Tank Bottom		Fill	-1.215	Pass
	No Lead	2	Tank Bottom		Middle	-1.280	Pass
	No Lead	3	Tank Bottom		End	-1.198	Pass
	No Lead		Tank Bottom		Remote	-1.147	Pass
2	Diesel	4	Tank Bottom		Fill	-1.144	Pass
	Diesel	5	Tank Bottom		Middle	-1.093	Pass
	Diesel	6	Tank Bottom		End	-1.058	Pass
	Diesel		Tank Bottom		Remote	-1.024	Pass
3	Premium	7	Tank Bottom		Fill	-1.124	Pass
	Premium	8	Tank Bottom		Middle	-1.187	Pass
	Premium	9	Tank Bottom		End	-1.190	Pass
	Premium		Tank Bottom		Remote	-1.120	Pass
4	Kerosene	10	Tank Bottom		Fill	-1.198	Pass
	Kerosene	11	Tank Bottom		Middle	-1.272	Pass
	Kerosene	12	Tank Bottom		End	-1.263	Pass
	Kerosene		Tank Bottom		Remote	-1.201	Pass
5							



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Date: 5/5/2025

Call Number: 250313-0094

Phone Number: 5742871990

Email Address:

Sacrificial System							
TANK #	TANK IDENT	CONTACT POINT #	CONTACT POINT	LOCATION OF REFERENCE CELL		VOLTAGE (CURRENT ON)	COMMENTS (PASS / FAIL)
6							
7							
8							
9							
10							



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Continuity Measurements -- Galvanic System

Location of Reference Cell:

FIX REFERENCE

TANK #	TANK IDENT	CONTACT POINT	VOLTAGE (CURRENT ON)	COMMENTS (CONTINUOUS / INCONCLUSIVE / ISOLATED)
1	No Lead	Fill	-.679	Isolated
	No Lead	Gauge	-.631	Isolated
	No Lead	Sub	-.523	Isolated
	No Lead	Tank Bottom	-1.147	
2	Diesel	Fill	-.647	Isolated
	Diesel	Gauge	-.589	Isolated
	Diesel	Sub	-.523	Isolated
	Diesel	Tank Bottom	-1.024	
3	Premium	Fill	-.613	Isolated
	Premium	Gauge	-.590	Isolated
	Premium	Sub	-.524	Isolated
	Premium	Tank Bottom	-1.120	
4	Kerosene	Fill	-.523	Isolated
	Kerosene	Gauge	-.581	Isolated
	Kerosene	Tank Bottom	-1.201	
	Kerosene			
5				



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FIX REFERENCE

TANK #	TANK IDENT	CONTACT POINT	VOLTAGE (CURRENT ON)	COMMENTS (CONTINUOUS / INCONCLUSIVE / ISOLATED)
6				
7				
8				
9				
10				
Readings Over 1.0 MV Confirmed with Second Wire			☐	

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SITE SKETCH



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Location: 26395 STATE RD 2 (Country Cupboard)

SITE SKETCH

Building

NL 3 2 1	SUB G FILL	DSL 6 5 4	SUB G FILL	PRE 9 8 7	SUB G FILL	KERO 12 11 10	Gauge FILL
12K		8K		6K		2K	

R