



**APPLICATION FOR REGISTRATION AS A REGISTERED SERVICE COMPANY**

Public Service Commission  
SFN 51277 (2/2014)



**TYPE OR PRINT - AN INCOMPLETE OR ILLEGIBLE APPLICATION WILL BE REJECTED**

<b>Name of Company</b> Midwest Liquid Systems, Inc	<b>Email Address</b> mls@midwestliquid.com	<b>Application Date</b> 11/23/2016	
<b>Mailing Address</b> 144 21 <sup>st</sup> Ave	<b>City</b> Eldora	<b>State</b> IA	<b>Zip Code</b> 50627
<b>Telephone Number</b> (641) 858-2668	<b>Cell Phone Number</b>	<b>Fax Number</b> (641) 858-3424	

Select below all device types your company will certify:

Scales (include maximum capacity, if applicable)	Liquid (include maximum flow rate, if applicable)
<input type="checkbox"/> 1. Rail <input type="checkbox"/> 2. Truck <input type="checkbox"/> 3. Livestock <input type="checkbox"/> 4. Hopper: Max. Capacity: _____ <input type="checkbox"/> 5. Belt <input type="checkbox"/> 6. Over 30 lbs.: Max. Capacity: _____ <input type="checkbox"/> 7. 30 lbs. or less <input type="checkbox"/> 8. Class II (indicate on your calibration report which weight kit is Class II certified) <input type="checkbox"/> 9. Other: Please List:	<input checked="" type="checkbox"/> 1. Retail Fuel (less than 20 gal. per minute) <input type="checkbox"/> 2. High Flow Retail Fuel (20 gal. per minute or greater) <input type="checkbox"/> 3. Vehicle Tank: Max. Flow Rate: _____ <input type="checkbox"/> 4. Stationary Bulk (fuel or oil): Max. Flow Rate: _____ <input type="checkbox"/> 5. LPG <input type="checkbox"/> 6. Stationary LPG <input type="checkbox"/> 7. Fertilizer: Max. Flow Rate: _____ <input type="checkbox"/> 8. Chemical <input type="checkbox"/> 9. Anhydrous <input type="checkbox"/> 10. Loading Rack <input type="checkbox"/> 11. Other: Please List:

List below all persons employed by your company as a North Dakota Registered Service Person and the device types they are registered to certify (attach a separate sheet to list additional employees):

Permit No.	Employee	Device Types Registered to Certify (list using device type numbers from above)
e.g. 1001	e.g. John Doe	e.g. Scales - 2, 3, 6, 8; e.g. Liquid - 1, 2, 6
1731	James Smith	Liquid #1

Continued on Page 2



List below all field standards (attach current calibration reports):

Seraphin - 5 Gallon	SN: 13 - 91651
Seraphin - 5 Gallon	SN: 11 - 06420
Seraphin - 5 Gallon	SN: 10 - 07021
Seraphin - 5 Gallon	SN: 04 - 20835 - 02
Seraphin - 50 Gallon	SN: 14 - 56263 - 02

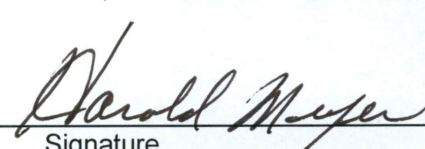
Additional Application Items (initial where appropriate):

Standardized Test Report	<input checked="" type="checkbox"/> Copy enclosed <input type="checkbox"/> No change in report filed previously
Tested and Approved Sticker	<input type="checkbox"/> Copy enclosed <input type="checkbox"/> No change in sticker filed previously
Photocopy of Crimped Lead Wire Seal	<input type="checkbox"/> Copy enclosed <input type="checkbox"/> No change in crimped lead wire seal filed previously

Public Company Listing:

Include my company information on your registered service company list for public contact.  
 Yes     No

I am Harold Meyer, and have authority to represent this company.  
By signing this application, I declare that I have examined this form and accompanying documentation, and to the best of my knowledge and belief, the facts stated and documentation provided is true, correct, and complete.

  
Signature

Send Completed Application and Related Documents To:

Public Service Commission  
600 E Boulevard Ave Dept 408  
Bismarck ND 58505-0480  
Telephone: (701) 328-2400  
Fax: (701) 328-2410



Receipt Date: December 28, 2015  
Test Date: December 29, 2015  
Report Date: December 29, 2015

State Test No.: 335269  
Serial No.: 13-91651  
Barcode: 202622

## Calibration Report

MIDWEST LIQUID SYTEMS  
1414 21ST AVENUE  
ELDORA, IA 50627  
Contact: Dan Tiensvold  
Phone: 641-858-2668  
PO Number: None  
SOP: 32  
Technician ID: 19

Item(s) Submitted: 5 Gallon Measure  
Manufacturer: Seraphin  
Material: Stainless Steel  
Equipment Number: None  
Condition: Good  
Temperature: 18.6 °C  
Pressure: 737.1 mmHg  
Relative Humidity: 35.7 %  
Standard H<sub>2</sub>O Temp.: 13.6 °C  
Artifact H<sub>2</sub>O Temp.: 13.6 °C

Nominal Volume (gal)		Error (in <sup>3</sup> )	Volume at Zero Line (gal)	Uncertainty (in <sup>3</sup> )	Coefficient of Expansion (1/°F)
5	As Found	0.29	5.0012	0.24	0.0000265
	As Left	-0.01	4.9999	0.24	

Neck Calibration: No neck calibration was done at this time.

This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota using water as the calibration medium. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008). The confidence interval is 95%.

Erik Alfvín  
*Erik Alfvín*  
Metrologist

Reviewed by:  
Mark Nicollet  
*Mark Nicollet*  
Quality Manager



Receipt Date: December 28, 2015  
Test Date: December 29, 2015  
Report Date: December 29, 2015

State Test No.: 335270  
Serial No.: 11-06420  
Barcode: 202937

## Calibration Report

MIDWEST LIQUID SYTEMS  
1414 21ST AVENUE  
ELDORA, IA 50627  
Contact: Dan Tiensvold  
Phone: 641-858-2668  
PO Number: None  
SOP: 32  
Technician ID: 19

Item(s) Submitted: 5 Gallon Measure  
Manufacturer: Seraphin  
Material: Stainless Steel  
Equipment Number: None  
Condition: Good  
Temperature: 18.6 °C  
Pressure: 737.1 mmHg  
Relative Humidity: 35.7 %  
Standard H<sub>2</sub>O Temp.: 13.2 °C  
Artifact H<sub>2</sub>O Temp.: 13.2 °C

Nominal Volume (gal)		Error (in <sup>3</sup> )	Volume at Zero Line (gal)	Uncertainty (in <sup>3</sup> )	Coefficient of Expansion (1/°F)
5	As Found	0.24	5.0010	0.24	0.0000265
	As Left	-0.01	4.9999	0.24	

Neck Calibration: No neck calibration was done at this time.

This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota using water as the calibration medium. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008). The confidence interval is 95%.

Erik Alfvin  
*Erik Alfvin*  
Metrologist

Reviewed by:  
Mark Nicollet  
*Mark Nicollet*  
Quality Manager



Receipt Date: December 29, 2015  
 Test Date: December 29, 2015  
 Report Date: December 29, 2015

State Test No.: 335272  
 Serial No.: 10-07021  
 Barcode: 201615

## Calibration Report

MIDWEST LIQUID SYTEMS  
 1414 21ST AVENUE  
 ELDORA, IA 50627  
 Contact: Dan Tiensvold  
 Phone: 641-858-2668  
 PO Number: None  
 SOP: 32  
 Technician ID: 19

Item(s) Submitted: 5 Gallon Measure  
 Manufacturer: Seraphin  
 Material: Stainless Steel  
 Equipment Number: None  
 Condition: Good  
 Temperature: 18.6 °C  
 Pressure: 737.1 mmHg  
 Relative Humidity: 35.7 %  
 Standard H<sub>2</sub>O Temp.: 13.2 °C  
 Artifact H<sub>2</sub>O Temp.: 13.2 °C

Nominal Volume (gal)		Error (in <sup>3</sup> )	Volume at Zero Line (gal)	Uncertainty (in <sup>3</sup> )	Coefficient of Expansion (1/°F)
5	As Found	-0.16	4.9993	0.24	0.0000265
	As Left	-0.16	4.9993	0.24	

Neck Calibration: No neck calibration was done at this time.

This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota using water as the calibration medium. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008). The confidence interval is 95%.

Erik Alfvin

Metrologist

Reviewed by:  
 Mark Nicollet

Quality Manager



Receipt Date: December 28, 2015  
Test Date: December 29, 2015  
Report Date: December 29, 2015

State Test No.: 335268  
Serial No.: 04-20835-02  
Barcode: 200307

## Calibration Report

MIDWEST LIQUID SYTEMS  
1414 21ST AVENUE  
ELDORA, IA 50627  
Contact: Dan Tiensvold  
Phone: 641-858-2668  
PO Number: None  
SOP: 32  
Technician ID: 19

Item(s) Submitted: 5 Gallon Measure  
Manufacturer: Seraphin  
Material: Stainless Steel  
Equipment Number: None  
Condition: Good  
Temperature: 18.6 °C  
Pressure: 737.1 mmHg  
Relative Humidity: 35.7 %  
Standard H<sub>2</sub>O Temp.: 13.6 °C  
Artifact H<sub>2</sub>O Temp.: 13.6 °C

Nominal Volume (gal)		Error (in <sup>3</sup> )	Volume at Zero Line (gal)	Uncertainty (in <sup>3</sup> )	Coefficient of Expansion (1/°F)
5	As Found	-0.01	4.9999	0.24	0.0000265
	As Left	-0.01	4.9999	0.24	

Neck Calibration: No neck calibration was done at this time.

This measure or prover has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds, a drain time of 10 seconds after cessation of full flow and at a reference temperature of 60 °F.

The measure or prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota using water as the calibration medium. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008). The confidence interval is 95%.

Erik Alfvín

Metrologist

Reviewed by:  
Mark Nicollet

Quality Manager



Receipt Date: December 29, 2015  
Test Date: December 29, 2015  
Report Date: December 29, 2015

State Test No.: 335273  
Serial No.: 14-56263-02  
Barcode: 202678

## Calibration Report

MIDWEST LIQUID SYTEMS  
1414 21ST AVENUE  
ELDORA, IA 50627  
Contact: DAN TIENSVOLD  
Phone: 641-858-2668  
PO Number: NONE  
SOP: 33  
Technician ID: 07

Item(s) Submitted: 50 Gallon Prover  
Manufacturer: SERAPHIN  
Material: Stainless Steel  
Description: Dry Bottom  
Condition: Good  
Temperature: 18.1 °C  
Pressure: 738.2 mmHg  
Relative Humidity: 39.8 %  
Standard H<sub>2</sub>O Temp.: 10.4 °C  
Artifact H<sub>2</sub>O Temp.: 10.7 °C

Nominal Volume (gal)		Tested Volume (gal)	Error (in <sup>3</sup> )	Uncertainty (in <sup>3</sup> )	Coefficient of Expansion(/°F)
50	As Found	49.990	-2.4	3.3	0.0000265
	As Left	49.990	-2.4	3.3	

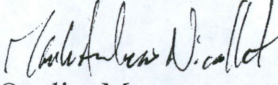
Neck Calibration: No neck calibration was done at this time.

This prover has been calibrated as a "to contain after wet down" vessel with a drain time of 30 seconds after cessation of full flow and at a reference temperature of 60 °F.

The prover listed above has been compared by volumetric transfer methods to the standards of the State of Minnesota using water as the calibration medium. The standards are traceable to the SI through NIST. Statistical process control charts indicate standards are currently in control. All gauges were sealed in place.

The reported uncertainty conforms to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008). The confidence interval is 95%.

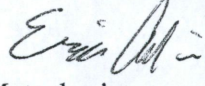
Mark Nicollet



Quality Manager

Reviewed by:

Erik Alfvin



Metrologist