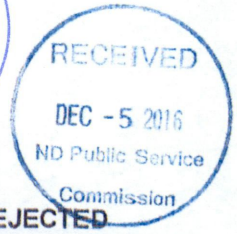




APPLICATION FOR REGISTRATION AS A REGISTERED SERVICE COMPANY

Public Service Commission
SFN 51277 (2/2014)



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

Name of Company Midwest Liquid Systems, Inc.	Email Address mls@midwestliquid.com	Application Date 11/23/2016	
Mailing Address 1414 21 st Ave	City Eldora	State IA	Zip Code 50627
Telephone Number (641) 858-2668	Cell Phone Number	Fax Number (641) 858-3424	

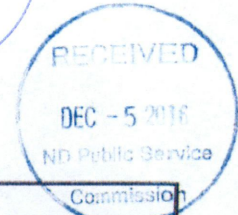
Select below all device types your company will certify:

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):

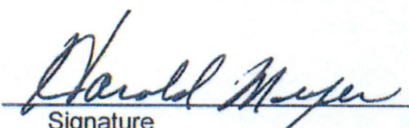
Standardized Test Report	<input checked="" type="checkbox"/> Copy enclosed
	<input checked="" type="checkbox"/> No change in report filed previously
Tested and Approved Sticker	<input checked="" type="checkbox"/> Copy enclosed
	<input checked="" type="checkbox"/> No change in sticker filed previously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

Bauske, Shelly A.

Subject: FW: ND Application for Registration as a Registered Service Company

-----Original Message-----

From: Midwest Liquid Systems [<mailto:mls@midwestliquid.com>]
Sent: Thursday, February 09, 2017 9:51 AM
To: Bauske, Shelly A.
Subject: RE: ND Application for Registration as a Registered Service Company

***** CAUTION: This email originated from an outside source. Do not click links or open attachments unless you know they are safe. *****

Please use the PO Box. Filling in the street address is a habit of mine that I need to work on!
Thanks,

Lori Roberts
Midwest Liquid Systems
1414 21st Ave.
Eldora, IA 50627
P: 641-858-2668
F: 641-858-3424

-----Original Message-----

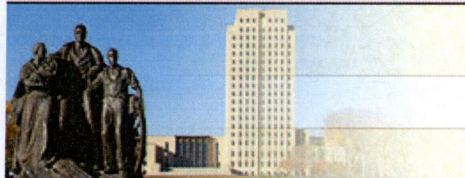
From: Bauske, Shelly A. [<mailto:sbauske@nd.gov>]
Sent: Thursday, February 9, 2017 9:32 AM
To: Midwest Liquid Systems <mls@midwestliquid.com>
Subject: RE: ND Application for Registration as a Registered Service Company

Hi Lori

One more question - I currently have your mailing address as PO Box 71. Do you still use that as a mailing address or should I change the address to 1414 21st Ave?

Thank you.

North Dakota

nd.gov Official Portal for
North Dakota State GovernmentNorth Dakota
LEGENDARY

SECRETARY OF STATE NORTH DAKOTA

[Home](#) | [Business Records Search](#)

MIDWEST LIQUID SYSTEMS, INC.

Corporation Details

System ID: 33934300**Phone:** (641) 858-2668**Type:** FOREIGN BUSINESS CORPORATION**Status:** Active & Good Standing**Original File Date:** 04/09/2013**Effective Date:** 04/09/2013**State of Origin:** Iowa

Nature of Business

INSTALL & MAINTAIN UNDERGROUND TANKS AND PIPING

Principal Office

1414 21ST AVE PO BOX 71 ELDORA, IA 50627-0071

Registered Agent

C T CORPORATION SYSTEM

314 E THAYER AVE

BISMARCK, ND 58501-4018

Established Date: Apr 09, 2013

Generate an Annual Report To File

To Generate a Annual Report form to be filed with the Secretary of State, select the appropriate year of the report you intend to file. This report does not contain details of a report previously filed with the Secretary of State. The annual report years reflected are an indication of the various report forms available in this site and is not an indication that an entity needs to file reports for all years. Missing years indicate that the forms for the missing year have not yet been deployed to the website, or have already been removed, and can be obtained by contacting the Secretary of State.

[2016](#) (generates a forms-fillable pdf in a new pop-up window)[Return to Search Results](#)[Contact Us](#)[Disclaimer](#)[Privacy Policy](#)

We use Secure Sockets Layer (SSL) encryption technology to ensure your information is secure and protected.

Will open a new window (pop-up).

W3C WAI AA, CSS, XHTML Compliant | Copyright 2006. All Rights Reserved. The State of North Dakota.



Receipt Date: December 27, 2016
Cal. Date: December 27, 2016
Report Date: December 27, 2016

Report No.: 336992
Serial No.: 13-91651
Barcode: 202622

Calibration Certificate

MIDWEST LIQUID SYSTEMS
1414 21ST AVENUE
ELDORA, IA 50627
Contact: DAN TIENSVOLD
Phone: 641-858-2668
PO Number: NONE
SOP: 19
Technician ID: 07

Item(s) Submitted: 5 Gallon Measure
Manufacturer: SERAPHIN
Material: Stainless Steel
Type: Measure
Condition: Good/Dirty
Temperature: 18.1 °C
Pressure: 739.3 mmHg
Relative Humidity: 45.3 %
Standard H₂O Temp.: 15.0 °C
Artifact H₂O Temp.: 15.0 °C

Nominal		Calibrated				
Volume (gal)		Volume (gal)	Error (in ³)	<i>k</i>	U (in ³)	CCE (°F)
5	As Found	4.9994	-0.14	2.06	0.24	0.0000265
	As Left	4.9994	-0.14			

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

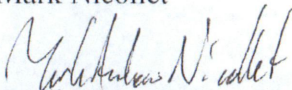
This measure has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds followed by a drain time of 10 seconds after cessation of full flow.

The vessel 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.

All tolerances and specifications were evaluated according to NIST Handbook 105-3 (2010). Uncertainty calculations contain the components in NIST SOP 19 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including coverage factors (*k*) calculated at the approximate 95.45 % confidence level. Results apply to item identified in this report only.

CCE is the cubical coefficient of thermal expansion, and the reference temperature is 60 °F
Conversion to SI unit: 1 gallon = 231 in³ = 0.00378541 m³.

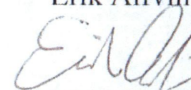
Mark Nicollet



Quality Manager

Reviewed by:

Erik Alfvin



Metrologist



Receipt Date: December 27, 2016
Cal. Date: December 27, 2016
Report Date: December 27, 2016

Report No.: 336993
Serial No.: 04-20835-02
Barcode: 200307

Calibration Certificate

MIDWEST LIQUID SYSTEMS
1414 21ST AVENUE
ELDORA, IA 50627
Contact: DAN TIENSVOLD
Phone: 641-858-2668
PO Number: NONE
SOP: 19
Technician ID: 07

Item(s) Submitted: 5 Gallon Measure
Manufacturer: Seraphin
Material: Stainless Steel
Type: Measure
Condition: Good
Temperature: 18.1 °C
Pressure: 739.3 mmHg
Relative Humidity: 45.3 %
Standard H₂O Temp.: 14.8 °C
Artifact H₂O Temp.: 14.8 °C

Nominal Volume (gal)		Calibrated		<i>k</i>	U (in ³)	CCE (1/°F)
		Volume (gal)	Error (in ³)			
5	As Found	5.0019	0.44	2.06	0.24	0.0000265
	As Left	4.9995	-0.12			

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

This measure has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds followed by a drain time of 10 seconds after cessation of full flow.

The vessel 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.

All tolerances and specifications were evaluated according to NIST Handbook 105-3 (2010). Uncertainty calculations contain the components in NIST SOP 19 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including coverage factors (*k*) calculated at the approximate 95.45 % confidence level. Results apply to item identified in this report only.

CCE is the cubical coefficient of thermal expansion, and the reference temperature is 60 °F
Conversion to SI unit: 1 gallon = 231 in³ = 0.00378541 m³.

Mark Nicollet

Quality Manager

Reviewed by:

Erik Alfvén

Metrologist



Receipt Date: December 27, 2016
Cal. Date: December 27, 2016
Report Date: December 27, 2016

Report No.: 336994
Serial No.: 11-06420
Barcode: 202937

Calibration Certificate

MIDWEST LIQUID SYSTEMS
1414 21ST AVENUE
ELDORA, IA 50627
Contact: DAN TIENSVOLD
Phone: 641-858-2668
PO Number: NONE
SOP: 19
Technician ID: 07

Item(s) Submitted: 5 Gallon Measure
Manufacturer: SERAPHIN
Material: Stainless Steel
Type: Measure
Condition: Good/DEF
Temperature: 18.1 °C
Pressure: 739.3 mmHg
Relative Humidity: 45.3 %
Standard H₂O Temp.: 14.8 °C
Artifact H₂O Temp.: 14.8 °C

Nominal		Calibrated		k	U (in ³)	CCE (°F)
Volume (gal)		Volume (gal)	Error (in ³)			
5	As Found	4.9994	-0.14	2.06	0.24	0.0000265
	As Left	4.9994	-0.14			

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

This measure has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds followed by a drain time of 10 seconds after cessation of full flow.

The vessel 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.

All tolerances and specifications were evaluated according to NIST Handbook 105-3 (2010). Uncertainty calculations contain the components in NIST SOP 19 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including coverage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to item identified in this report only.

CCE is the cubical coefficient of thermal expansion, and the reference temperature is 60 °F
Conversion to SI unit: 1 gallon = 231 in³ = 0.00378541 m³.

Mark Nicollet

Quality Manager

Reviewed by:

Erik Alfvin

Metrologist



Receipt Date: December 27, 2016
Cal. Date: December 27, 2016
Report Date: December 27, 2016

Report No.: 336995
Serial No.: 10-07021
Barcode: 201615

Calibration Certificate

MIDWEST LIQUID SYSTEMS
1414 21ST AVENUE
ELDORA, IA 50627
Contact: DAN TIENSVOLD
Phone: 641-858-2668
PO Number: NONE
SOP: 19
Technician ID: 07

Item(s) Submitted: 5 Gallon Measure
Manufacturer: Seraphin
Material: Stainless Steel
Type: Measure
Condition: Fair/Dirty
Temperature: 18.1 °C
Pressure: 739.3 mmHg
Relative Humidity: 45.3 %
Standard H₂O Temp.: 15.0 °C
Artifact H₂O Temp.: 15.0 °C

Nominal		Calibrated				
Volume (gal)		Volume (gal)	Error (in ³)	<i>k</i>	U (in ³)	CCE (°F)
5	As Found	4.9971	-0.67	2.06	0.24	0.0000265
	As Left	4.9995	-0.12			

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

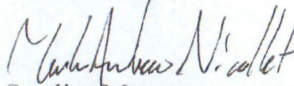
This measure has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds followed by a drain time of 10 seconds after cessation of full flow.

The vessel 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.

All tolerances and specifications were evaluated according to NIST Handbook 105-3 (2010). Uncertainty calculations contain the components in NIST SOP 19 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including coverage factors (*k*) calculated at the approximate 95.45 % confidence level. Results apply to item identified in this report only.

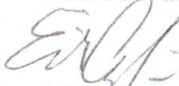
CCE is the cubical coefficient of thermal expansion, and the reference temperature is 60 °F
Conversion to SI unit: 1 gallon = 231 in³ = 0.00378541 m³.

Mark Nicollet


Quality Manager

Reviewed by:

Erik Alfvin


Metrologist



Receipt Date: December 27, 2016
Cal. Date: December 27, 2016
Report Date: December 27, 2016

Report No.: 336991
Serial No.: 14-56263-02
Barcode: 202678

Calibration Certificate

MIDWEST LIQUID SYSTEMS
1414 21ST AVENUE
ELDORA, IA 50627
Contact: DAN TIENSVOLD
Phone: 641-858-2668
PO Number: NONE
SOP: 19
Technician ID: 07

Item(s) Submitted: 50 Gallon Prover
Manufacturer: SERAPHIN
Material: Stainless Steel
Type: No Bottom Zero
Condition: Good
Temperature: 18.7 °C
Pressure: 739.9 mmHg
Relative Humidity: 39.1 %
Standard H₂O Temp.: 10.4 °C
Artifact H₂O Temp.: 10.8 °C

Nominal Volume (gal)	Calibrated			k	U (in ³)	CCE (°F)
	As Found	Volume (gal)	Error (in ³)			
50	As Found	49.993	-1.5	2.11	2.4	0.0000265
	As Left	49.994	-1.5			

Neck Calibration: No neck calibration was performed 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.

The vessel 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.

All tolerances and specifications were evaluated according to NIST Handbook 105-3 (2010). Uncertainty calculations contain the components in NIST SOP 19 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including coverage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to item identified in this report only.

CCE is the cubical coefficient of thermal expansion, and the reference temperature is 60 °F
Conversion to SI unit: 1 gallon = 231 in³ = 0.00378541 m³.

Mark Nicollet

Quality Manager

Reviewed by:

Erik Alfvin

Metrologist

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Metrological Traceability For:

Minnesota

This laboratory has demonstrated evidence of an unbroken chain of metrological traceability of its standards to the international system of units (SI), documented measurement uncertainties, uses documented measurement procedures, successfully completed training and proficiency tests, documented calibration intervals, submitted a quality management system, and demonstrated suitable measurement assurance for the Scope listed on this certificate.

The Office of Weights and Measures Program assesses laboratories to NIST Handbook 143 - Program Handbook for State Weights and Measures Laboratories and ISO/IEC 17025:2005.

Scope

Mass Echelon II	Weight Carts	Volume Gravimetric, I
50 kg to 1 mg	10 000 lb to 2000 lb	20 L to 10 mL
1000 lb to 0.001 lb	Wheel Load Weighers	100 gal to 0.25 qt
4 oz to 0.03125 oz	20 000 lb to 2000 lb	Volume Transfer, II
Mass Echelon III	Railroad Test Cars	1500 gal to 5 gal
50 kg to 1 mg	110 000 lb to 80 000 lb	100 gal to 25 gal LPG
5000 lb to 0.001 lb		
4 oz to 0.03125 oz		



2016 to 2017

Carol T. Hocken, Chief
NIST Office of Weights and Measures

Effective Dates: 2016-01-01 to 2017-12-31