



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 <i>Midwest Liquid Sys. Inc.</i>	Email Address <i>mls@midwestliquid.com</i>	Application Date <i>11/10/17</i>	
Mailing Address <i>1414 21st Ave</i>	City <i>Eldora</i>	State <i>IA</i>	Zip Code <i>50627</i>
Telephone Number <i>641 858 2668</i>	Cell Phone Number	Fax Number <i>641 858 3424</i>	

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 checked="" 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)
<i>e.g. 1001</i>	<i>e.g. John Doe</i>	<i>e.g. Scales - 2, 3, 6, 8; e.g. Liquid - 1, 2, 6</i>
<i>1731</i>	<i>James Smith</i>	<i>Liquid 1+2</i>

Application for Registration as a Registered Service Company

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

Seraphin 50 gal	SUN# 14-56263-02
Seraphin 5 gal	04-20835-02
Seraphin 5 gal	13-91651
Seraphin 5 gal	10-07021

Additional Application Items (initial where appropriate):

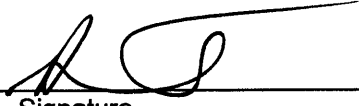
Standardized Test Report	<input checked="" type="checkbox"/> Copy enclosed
	<input type="checkbox"/> No change in report filed previously
Tested and Approved Sticker	<input type="checkbox"/> Copy enclosed
	<input type="checkbox"/> No change in sticker filed previously
Photocopy of Crimped Lead Wire Seal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

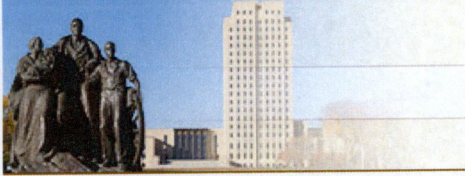
Yes No

I am Don Tienwald, 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



SECRETARY OF STATE NORTH DAKOTA

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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.

[2017](#) [2018](#) (generates a forms-fillable pdf in a new pop-up window)

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 Will open a new window (pop-up).

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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		<i>k</i>	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.

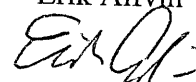
Mark Nicollet



Quality Manager

Reviewed by:

Erik Alfvin



Metrologist

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		k	U (in ³)	CCE (°F)
	As Found	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.: 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 Volume (gal)	Calibrated		k	U (in ³)	CCE (°F)
	As Found	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 Alfvén

 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.

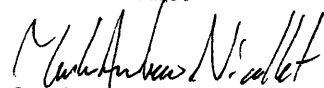
This measure has been calibrated as a "to contain after wet down" vessel with a pour time of 30 seconds followed by a drain time of 10 seconds after cessation of full flow.

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.

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