

Bauske, Shelly A.

From: LOURDES VIDAURRI <LVIDAURRI@fairbanks.com>
Sent: Tuesday, March 08, 2016 4:28 PM
To: Bauske, Shelly A.
Subject: RE: REMINDER: ND Application for Registration as a Registered Service Company was Due February 12, 2016
Attachments: South Dakota Weight Certs 2016.pdf



Good afternoon,
Please see the weight certifications. We will be using these for this application.

Thank you,

-Luli

Lourdes Vidaurri | Service Administrator | Office: 800-435-4660 or 303-209-5691 | Fax:303-296-0269
| lvidaurri@fairbanks.com Fairbanks Scales Inc. | 4850 Broadway | Denver, CO 80216 |

Fairbanks Scales Inc. | 1525 South Gladiola | SLC, UT 84104 | www.fairbanksservice.com
Office: 800-453-8303 or 801-972-1491 | Fax:801-972-4389

Whitepaper: What every truck scale owner should know about scale maintenance.

"This email may contain confidential information intended only for the individual or organization named. If you received this email in error, please contact the above sender and or return or destroy the email as instructed. Thank you for your help in this matter."

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

From: Bauske, Shelly A. [<mailto:sbauske@nd.gov>]
Sent: Tuesday, March 08, 2016 2:02 PM
To: LOURDES VIDAURRI <LVIDAURRI@fairbanks.com>
Subject: RE: REMINDER: ND Application for Registration as a Registered Service Company was Due February 12, 2016

Good Afternoon Luli

Please complete the "Additional Application Items" portion of the attached Application for Registration as a Registered Service Company and return it to me.

Also, do you have a metrology appointment set for the weights that were tested in Colorado? Those certificates have expired or are about to expire.

Thank you.

Shelly Bauske
Public Service Commission

3 WM-15-767 Filed: 3/8/2016 Pages: 9
Clarification on test weights used in North Dakota
and calibration reports

Fairbanks Scales Inc.

600 E Boulevard Ave Dept 408
Bismarck ND 58505-0480
701-328-4070
701-328-2410 (fax)
sbauske@nd.gov



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

From: LOURDES VIDAURRI [<mailto:LVIDAURRI@fairbanks.com>]
Sent: Wednesday, February 24, 2016 10:35 AM
To: Bauske, Shelly A.
Subject: RE: REMINDER: ND Application for Registration as a Registered Service Company was Due February 12, 2016

Shelly,

Please see the attached application with our weight certifications attached. Let me know if you need anything else.

Best regards,

-Luli

Lourdes Vidaurri | Service Administrator | Office: 800-435-4660 or 303-209-5691 | Fax:303-296-0269
| lvidaurri@fairbanks.com Fairbanks Scales Inc. | 4850 Broadway | Denver, CO 80216 |

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Whitepaper: What every truck scale owner should know about scale maintenance.

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

From: Bauske, Shelly A. [<mailto:sbauske@nd.gov>]
Sent: Tuesday, February 23, 2016 9:33 AM
To: LOURDES VIDAURRI <LVIDAURRI@fairbanks.com>
Subject: REMINDER: ND Application for Registration as a Registered Service Company was Due February 12, 2016

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**South Dakota Department of Public Safety
Office of Weights and Measures
Metrology Lab**

Lab: 1500 N Garfield - E. Truck Bypass Phone: 605-773-3170
Office: 118 West Capitol Avenue Phone: 605-773-3697
Pierre SD 57501

REPORT OF CALIBRATION

LAB TEST NUMBER: MP3417
DATE OF REPORT: 01/19/2016
DATE RECEIVED: 01/18/2016
DATE OF TEST: 01/19/2016



Submitted By: Fairbanks Scale
Contact: Glen Meyer
Mailing Address: 4850 Broadway
City, State, Zip: Denver, CO 80216
Phone: 605-310-3738
S/A Number: 55

Standards Submitted:

- 18 - 1000 lb weights
- 1 - 3000 lb cart
- 10 - 50 lb test weights
- 1 - 21 piece avoirdupois kit
- 1 - 20 piece metric kit

Uncertainty Statement: The combined standard uncertainty includes the standard uncertainty reported for the standard and the standard uncertainty for the measurement process. The combined standard uncertainty is multiplied by a coverage factor k to provide an expanded uncertainty which defines an interval having a level of confidence of approximately 95 percent. The expanded uncertainty presented in this report is consistent with the 1995 ISO/IEC Guide to the Expression of Uncertainty in Measurement. The expanded uncertainty is not to be confused with a tolerance limit for the user during application.

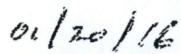
Traceability statement:

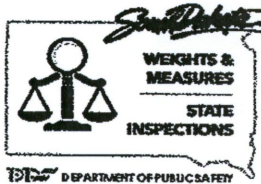
The Standards of the SD Metrology Laboratory used for comparison are traceable to the International System of Units (SI) through the National Institute of Standards and Technology. The laboratory test number identified above is the unique report number to be used in referencing measurement traceability for artifacts identified in this report only.

This document does not represent or imply endorsement by NIST Office of Weights and Measures or any agency of the State and/or national governments. The reported test values relate only to the observations made at the time and conditions of the test. This report may not be reproduced, except in full without the written approval of this laboratory. The client must not use this document to claim product endorsement by this laboratory.


Ron Peterson, Metrologist




Date



South Dakota Department of Public Safety
Office of Weights and Measures
Metrology Lab
 Lab: 1500 N Garfield – E. Truck Bypass Phone: 605-773-3170
 Office: 118 West Capitol Avenue Phone: 605-773-3697
 Pierre SD 57501



Submitted by:	Fairbanks Scale	Report Number:	MP3417
Mailing Address:	4850 Broadway	Date Received:	01/18/16
City, State, Zip:	Denver, CO 80216	Date tested:	01/19/16
Manufacturer:	Kanawha	Condition of Cart:	GOOD
Serial Number:	020315K/ 15A05-03	Temperature (c):	20.0
Test Method Used:	SOP 33 Calibrations of Weight Carts, Sep 2014	Humidity:	40.0%
Nominal (lb):	3000	Pressure (mm/Hg):	717.2
Tolerance (lb):	1.00		

The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory.

NOTE: Fuel level must be at 2.0. Cart was heavy but there was not enough weight in the adjustment cavity to bring cart within tolerance. Please remove weight from cart prior to calibration in 2017.

As Found (lb)	As Left (lb)	Uncertainty-lb. (K=2)
4.04	-0.21	0.22

The weight cart was allowed to come to environmental equilibrium in the laboratory prior to calibration. The weight cart was adjusted, as needed and noted above, as close as possible to zero error. All fluid levels must be maintained as close to reference levels as possible during use. Any maintenance, repairs or damage to weight cart or its components will likely result in an out-of-tolerance condition; therefore, maintenance or replacement of components such as batteries, tires, filters, etc. will require calibration of the weight cart prior to subsequent use.

Test equipment used include recently calibrated weights and a Sartorius PR 6246/33 load cell.

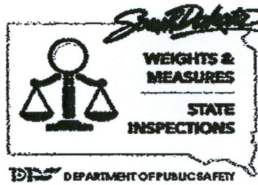
The above weight cart was compared with standards of the State of South Dakota, which are traceable the National Institute of Standards and Technology(NIST) Weights and Measures Division. The assigned test number provides documented evidence for measurement traceability.



 Ron Peterson, Metrologist

01/19/2016

 Date of Report



South Dakota Department of Public Safety
Office of Weights and Measures
Metrology Lab
 Lab: 1500 N Garfield – E. Truck Bypass Phone: 605-773-3170
 Office: 118 West Capitol Avenue Phone: 605-773-3697
 Pierre SD 57501



Submitted by:	Fairbanks Scale	Report Number:	MP3417
Mailing Address:	4850 Broadway	Date Received:	01/18/16
City, State, Zip:	Denver, CO 80216	Date tested:	01/19/16
Artifacts Submitted	18 - 1000 lb test weights	Condition of Weights:	FAIR
		Temperature (c):	21.5
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	47.5
Equipment Used:	Russell Balance/ Vaisala PTU301	Pressure (mm/Hg):	719.2

Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight.

Standards Used: SD Lab 1000 lb and/or 500 lb Working Standards.

The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism and effects of magnetism is not included in the uncertainties.

A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Serial Number	Correction As Found		Correction As Left		Tolerance	Uncertainty	K
1000 lb	1	0.012 lb	5.3 g			45 g	6.8 g	2.03
1000 lb	2	-0.027 lb	-12.3 g			45 g	6.8 g	2.03
1000 lb	3	-0.047 lb	-21.3 g			45 g	6.8 g	2.03
1000 lb	4	0.002 lb	1.0 g			45 g	6.8 g	2.03
1000 lb	5	-0.044 lb	-20.1 g			45 g	6.8 g	2.03
1000 lb	6	-0.031 lb	-14.2 g			45 g	6.8 g	2.03
1000 lb	7	-0.070 lb	-31.7 g	0.000 lb	0.2 g	45 g	6.8 g	2.03
1000 lb	8	-0.031 lb	-14.1 g			45 g	6.8 g	2.03
1000 lb	9	-0.014 lb	-6.2 g			45 g	6.8 g	2.03
1000 lb	11	-0.053 lb	-23.9 g	0.002 lb	0.7 g	45 g	6.8 g	2.03
1000 lb	12	-0.048 lb	-21.6 g			45 g	6.8 g	2.03
1000 lb	13	0.004 lb	2.0 g			45 g	6.8 g	2.03
1000 lb	15	-0.019 lb	-8.4 g			45 g	6.8 g	2.03
1000 lb	16	-0.028 lb	-12.5 g			45 g	6.8 g	2.03
1000 lb	17	-0.034 lb	-15.6 g			45 g	6.8 g	2.03
1000 lb	61-4-80	-0.008 lb	-3.4 g			45 g	6.8 g	2.03
1000 lb	61-4-85	-0.022 lb	-9.8 g			45 g	6.8 g	2.03
1000 lb	61-4-88	0.014 lb	6.4 g			45 g	6.8 g	2.03


 Ron Peterson, Metrologist

01/19/2016
 Date of Report



**South Dakota Department of Public Safety
Office of Weights and Measures
Metrology Lab**

Lab: 1500 N Garfield - E. Truck Bypass Phone: 605-773-3170
Office: 118 West Capitol Avenue Phone: 605-773-3697
Pierre SD 57501



Submitted by:	Fairbanks Scale	Report Number:	MP3417
Mailing Address:	4850 Broadway	Date Received:	01/18/16
City, State, Zip:	Denver, CO 80216	Date tested:	
Artifacts Submitted	50 lb test weights	Condition of Weights:	GOOD
		Temperature (c):	21.3
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	44.3%
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Pressure (mm/Hg):	707.1

Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight.

Standards Used: SD Lab Working Standards.

The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism and effects of magnetism is not included in the uncertainties.

A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	K
50 lb	FWS-D-31	-964 mg		2300 mg	284 mg	2.04
50 lb	614-317	2181 mg	81 mg	2300 mg	284 mg	2.04
50 lb	1	976 mg		2300 mg	284 mg	2.04
50 lb	FWS-D-11	-1199 mg		2300 mg	284 mg	2.04
50 lb	FWS-D-24	-369 mg		2300 mg	284 mg	2.04
50 lb	FM-D-76	-1584 mg	-44 mg	2300 mg	284 mg	2.04
50 lb	FWS-D-22	-979 mg		2300 mg	284 mg	2.04
50 lb	614-304	-409 mg		2300 mg	284 mg	2.04
50 lb	CSS-D-21	-1259 mg		2300 mg	284 mg	2.04
50 lb	FWS-D-4	-129 mg		2300 mg	284 mg	2.04


Ron Peterson, Metrologist

01/19/2016
Date of Report



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Pierre SD 57501



Submitted by:	Fairbanks Scale	Report Number:	MP3417
Mailing Address:	4850 Broadway	Date Received:	01/18/16
City, State, Zip:	Denver, CO 80216	Date tested:	01/19/16
Artifacts Submitted	21 piece avoirdupois kit	Condition of Weights:	GOOD
	SN 020805A	Temperature (c):	20.6
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	47.7
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	717.5

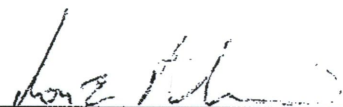
Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight.

Standards Used: SD Lab Working Standards.

The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism and effects of magnetism is not included in the uncertainties.

A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Identifier	Correction As Found	Correction As Left	Tolerance Class F	Uncertainty	k
5 lb	1	77 mg		230 mg	28 mg	2.05
5 lb	2	56 mg		230 mg	28 mg	2.05
5 lb	3	85 mg		230 mg	28 mg	2.05
5 lb	4	27 mg		230 mg	28 mg	2.05
5 lb	5	70 mg		230 mg	28 mg	2.05
1 lb	1	21.6 mg		70 mg	8.5 mg	2.05
1 lb	2	19.6 mg		70 mg	8.5 mg	2.05
1 lb	4	17.6 mg		70 mg	8.5 mg	2.05
1 lb	5	40.6 mg		70 mg	8.5 mg	2.05
0.5 lb		12.1 mg		45 mg	5.5 mg	2.05
0.2 lb		4.4 mg		18 mg	2.2 mg	2.06
0.2 lb	.	4.2 mg		18 mg	2.2 mg	2.06
0.1 lb		3.9 mg		9.1 mg	1.1 mg	2.06
0.05 lb		1.32 mg		4.5 mg	0.55 mg	2.06
0.02 lb		0.51 mg		1.8 mg	0.22 mg	2.06
0.02 lb	.	0.64 mg		1.8 mg	0.22 mg	2.06
0.01 lb		0.66 mg		1.5 mg	0.19 mg	2.06
0.005 lb		0.77 mg		1.2 mg	0.18 mg	2.06
0.002 lb		0.30 mg		0.87 mg	0.11 mg	2.06
0.002 lb	.	0.47 mg		0.87 mg	0.11 mg	2.06
0.001 lb		0.32 mg		0.7 mg	0.10 mg	2.06


Ron Peterson, Metrologist

01/19/2016
Date of Report



**South Dakota Department of Public Safety
Office of Weights and Measures
Metrology Lab**


Lab: 1500 N Garfield - E. Truck Bypass Phone: 605-773-3170
Office: 118 West Capitol Avenue Phone: 605-773-3697
Pierre SD 57501



Submitted by:	Fairbanks Scale	Report Number:	MP3417
Mailing Address:	4850 Broadway	Date Received:	01/18/16
City, State, Zip:	Denver, CO 80216	Date tested:	01/19/16
Artifacts Submitted	20 piece Metric kit	Condition of Weights:	GOOD
	SN 12AG	Temperature (c):	20.6
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	47.7
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	717.5

Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight.
Standards Used: SD Lab Working Standards.
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism and effects of magnetism is not included in the uncertainties.
A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Identifier	Correction As Found	Correction As Left	Tolerance Class F	Uncertainty	k
500 g		3 mg	0.7 mg	70 mg	8.6 mg	2.06
200 g		9 mg	0.4 mg	40 mg	5.0 mg	2.06
200 g		17 mg	0.4 mg	40 mg	5.0 mg	2.06
100 g		4.5 mg	0.1 mg	20 mg	2.4 mg	2.06
50 g		3.4 mg	0.0 mg	10 mg	1.2 mg	2.06
20 g		1.6 mg	0.0 mg	4 mg	0.49 mg	2.05
20 g		1.4 mg	0.0 mg	4 mg	0.49 mg	2.05
10 g		0.4 mg	0.0 mg	2 mg	0.25 mg	2.05
5 g		-0.1 mg	0.0 mg	1.5 mg	0.39 mg	2.06
2 g		0.0 mg	0.0 mg	1.1 mg	0.14 mg	2.06
2 g		0.4 mg	0.0 mg	1.1 mg	0.14 mg	2.06
1 g		0.16 mg	0.0 mg	0.9 mg	0.12 mg	2.06
500 mg		0.18 mg	0.0 mg	0.72 mg	0.09 mg	2.06
200 mg		0.10 mg	0.0 mg	0.54 mg	0.08 mg	2.06
200 mg		0.10 mg	0.0 mg	0.54 mg	0.08 mg	2.06
100 mg		0.05 mg	0.0 mg	0.43 mg	0.08 mg	2.06
50 mg		0.20 mg	0.0 mg	0.35 mg	0.06 mg	2.07
20 mg		0.11 mg	0.0 mg	0.26 mg	0.09 mg	2.06
20 mg		0.12 mg	0.0 mg	0.26 mg	0.09 mg	2.06
10 mg		0.06 mg	0.0 mg	0.21 mg	0.07 mg	2.06


Ron Peterson, Metrologist

01/19/2016
Date of Report

United States Department of Commerce

National Institute of Standards and Technology

Certificate of Metrological Traceability For:

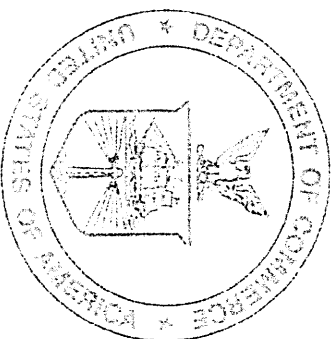
South Dakota

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 III
30 kg to 100 mg
1000 lb to 0.001 lb
8 oz to 0.03125 oz
Weight Carts
4000 lb to 2000 lb
Volume Transfer, II
5 gal



2016

A handwritten signature in black ink, appearing to read "Carol T. Hoekert".

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

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