APPLICATION FOR REGISTRATION AS A REGISTERED SERVICE COMPANY

Public Service Commission
SFN 51277 (2/2014)

RECEIVED
SEP 4 2015
ND Public Service Commission

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

Name of Company	Email Address	Application Date	
Montana Dakota Scale Service Inc	MTNDSS.1976@yahoo.com	8-21-15	
Mailing Address	**City**	**State**	**Zip Code**
13217 Hwy 200	Fairview	MT	59221
Telephone Number	**Cell Phone Number**	**Fax Number**	
406 742 5944	406 480 2264	406 742 8944	

Select below all device types your company will certify:

Scales (include maximum capacity, if applicable)	**Liquid** (include maximum flow rate, if applicable)
☑ 1. Rail	☐ 1. Retail Fuel (less than 20 gal. per minute)
☑ 2. Truck	☐ 2. High Flow Retail Fuel (20 gal. per minute or greater)
☑ 3. Livestock	☐ 3. Vehicle Tank: Max. Flow Rate: _____
☑ 4. Hopper: Max. Capacity: _____	☐ 4. Stationary Bulk (fuel or oil): Max. Flow Rate: _____
☐ 5. Belt	☐ 5. LPG
☑ 6. Over 30 lbs.: Max. Capacity: _____	☐ 6. Stationary LPG
☑ 7. 30 lbs. or less	☐ 7. Fertilizer: Max. Flow Rate: _____
☐ 8. Class II **(indicate on your calibration report which weight kit is Class II certified)**	☐ 8. Chemical
☐ 9. Other: Please List:	☐ 9. Anhydrous
	☐ 10. Loading Rack
	☐ 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*
1454	Lance Walker	~~1~~, 2, 3, 4, 6, 7

Continued on Page 2

Application for Registration as a Registered Service Company
Page 2

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

18 - 50lb weights	
4 - 25lb weights	
8 - 1000lb weights	
3 - 2500lb weights	
1 - 2000lb cart	
1 - 2500lb cart	
1 - 32lb kit	
1 - 2kg kit	

Additional Application Items (initial where appropriate):

Standardized Test Report	✓ Copy enclosed __ No change in report filed previously
Tested and Approved Sticker	X Copy enclosed _ No change in sticker filed previously
Photocopy of Crimped Lead Wire Seal	X Copy enclosed _____ 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 president, 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

MDSS MONTANA DAKOTA SCALE SERVICE

13217 Hwy 200 - Fairview, Montana 59221 • Phone: (406) 742-5944

Test Report

Date	PSC Device Code	No. of Sections
Name of Business		
Mailing Address		
City	State	Zip Code
County	Telephone Number	
Device Contact/Manager	Cell Number	
Email Address		
Device Location		

Complete each item with Y (Yes), N (No), or NA (Not Applicable)

___ New Installation (w/ RFI Check)
___ Modified Equipment
___ Replaced Existing Equipment
___ Performed Calibration
___ Use as a Reference Scale
___ Non-Commercial

___ Variance Permit Posted; Expiration Date: _____
___ Stored/Recalled Weights Meet NDAC §§ 69-10-02-23 & 69-10-02-24
___ Software is NTEP Approved
___ Built-In Standards; Date Certified: _____

___ Multiple Decks/Single Indicator
___ Clearance Below Scale Clear
___ Approach Requirements Met
___ Pit Coping and Crush Strip Good
___ Customer Has Clear View
___ Video Camera Working
___ View Distance > 200'
___ Two-Way Audio Working

___ In Response to PSC Quality Assurance Inspection

Scale Information

Scale Manufacturer	Indicator Manufacturer/Model		Indicator Serial No.	Weighing Elements
Capacity/Divisions/Units	Legible Label ___ Y ___ N	Class	Printer Manufacturer/Model	Printer Serial No.
Deck Size	Clearance (inches)		Approach – 12' Concrete Level	Hard Surface Approach (Length/Slope/Condition)
SR or Discrimination Test Zero Load = _____ lb. Loaded = _____ lb.			Motion Detection Range = _____ lb.	AZSM (Auto Zero) Range = _____ lb.

Test Data

LBP / Section / Product Wt.	Value of Test Weights Used	Errors +/-		LBP / Section / Product Wt.	Value of Test Weights Used	Errors +/-	
		As Found	As Left			As Found	As Left

Strain Load Test

Section (Increasing or Decreasing)			
Full Truck Weight			
Test Weight			
Empty Truck Weight			
Errors			

___ Physical Seal ___ Y ___ N
Seal Date:
Seal Type:

___ Electronic Audit Trail: ___ Y ___ N
Audit Trail Information:

Meets tolerances in PSC adopted NIST Handbook 44? ___ Maintenance ___Acceptance

___ Approved ___ Rejected ___Taken out of Service ___ Sticker Applied

By signing this test report, I declare that I have examined this report and to the best of my knowledge and belief, the report is complete and the facts stated are sufficient, true and correct. I also declare that, except for conditions noted in "Remarks," the device meets the minimum requirements of the State laws and rules, including NIST Handbook 44, for use of the device in commerce.

_____ _____
Permit Holder Signature Permit No.

_____ _____
Operator Signature Date

Remarks (include environmental conditions, if applicable). Attach additional sheets as necessary.

MDSS
MONTANA DAKOTA SCALE SERVICE
13217 Hwy 200
Fairview, Montana 59221
Phone: (406) 742-5944

Servicing All Makes of Scales

TESTED & APPROVED
BY LANCE WALLER
ND Reg. #1454
MT Reg. #312

Month: 1 2 3 4 5 6 7 8 9 10 11 12
Year: 14 15 16 17 18 19

North Dakota nd.gov Official Portal for North Dakota State Government

SECRETARY OF STATE
NORTH DAKOTA

MONTANA DAKOTA SCALE SERVICE, INC.

Corporation Details

System ID: 37547300
Type: FOREIGN BUSINESS CORPORATION
Status: Active & Good Standing
Original File Date: 09/16/2014
State of Origin: Montana

Phone: (406) 742-5944

Effective Date: 09/16/2014

Nature of Business

SCALE INSTALLATION & REPAIR

Principal Office

13217 HIGHWAY 200 FAIRVIEW, MT 59221-9447

Registered Agent

GIMBEL BUSINESS SERVICE LLC
147 MAIN ST
PO BOX 265
HAZELTON, ND 58544-0265
Established Date: Sep 16, 2014

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.

2015 (generates a forms-fillable pdf in a new pop-up window)

Return to Search Results

Certificate of Mass Calibration

Montana Department of Labor & Industry Metrology Laboratory
2801 N Cooke St. Helena, Montana 59601
(406)449-2582 FAX (406)443-8163

Company Name & Address:	Date of Test:	Test Number:
Lance Waller	6/29/2015	2015-080
Montana-Dakota Scale Service		
Route 1, Box 1640	Serial Number:	1000's
Fairview, MT 59221		

All results contained within this report only relate to the item(s) listed in this report. This calibration report must not be used to claim product endorsement by the State of Montana or any other government agency.

Date these weights were received: 6/29/2015

Description and condition of artifacts received: Items were in good condition.

Environmental Conditions at Time of Test:

Temperature °C		Pressure mmHg	Relative Humidity %	
Start	End	Duration of Test	Start	End
23.54	25.65	670.56	42.65	45.71

Conventional Mass Value: Assumed Density of Artifacts: 7.2 g/cm^3

Nominal	Serial No.	As Found (g)	As Left (g)	Uncertainty ± (g)	NIST 105-1 Class F ± (g)	*k factor*
1000 lb	4	-8.9	-8.9	5.9	45	2.28
1000 lb	5	-1.9	-1.9	5.9	45	2.28
1000 lb	6	47.1	-10.9	5.9	45	2.28
2500 lb	03X6	30.4	30.4	7.7	91	2.28
2500 lb	1	-9.6	-9.6	7.7	91	2.28
2500 lb	2	-5.6	-5.6	7.7	91	2.28
2500 lb	Cart	-423.5	42.7	7.7	227	2.28

Standards and Procedures used for testing:

The Standards used for this comparison are continuously monitored by a measurement control program for ensuring continued accuracy and traceability within the level of uncertainty reported. These standards were calibrated by a nationally accredited laboratory on 10/2009 (Reports on File) and are traceable to the SI. The test number listed above is traceable to National Standards through an unbroken chain of comparison each having stated uncertainties. This information is on file and available upon request.

Procedure Used: SOP-7

All procedures used in this laboratory are in accordance to National Institute of Standards and Technology Intermediate Report (NISTIR) 6969, Issue February 2012, and the *Quality Assurance of Metrological Measurements*.

Traceability Statement:

The equipment in this report has been compared to the standards of the State of Montana. The States equipment complies with the specifications and tolerances listed in NIST 105-1 Class F tolerances. The standards of the State of Montana are traceable to the SI through the National Institute of Standards and Technology.

Uncertainty Statement:

The expanded uncertainty presented in this report is consistent with the 1993 *ISO Guide to Expression of Uncertainty in Measurement* and follows *NISTIR 6969*, Issue February 2012, SOP-29. The reported uncertainty is calculated by combining the uncertainty of the standard used, with the uncertainty of the measurement process in a root sum square formula using a calculated *k* factor, for a confidence level of 95.45%.

State Metrologist: ***Dave Fraser***

David Fraser

Email: dafraser@mt.gov

Certificate of Mass Calibration

Montana Department of Labor & Industry Metrology Laboratory
2801 N Cooke St. Helena, Montana 59601
(406)449-2582 FAX (406)443-8163

Company Name & Address:	Date of Test:	Test Number:
Lance Waller	6/29/2015	2015-077
Montana-Dakota Scale Service		
Route 1, Box 1640	Serial Number:	1000's
Fairview, MT 59221		

All results contained within this report only relate to the item(s) listed in this report. This calibration report must not be used to claim product endorsement by the State of Montana or any other government agency.

Date these weights were received: 6/29/2015

Description and condition of artifacts received: Items were in good condition.

Environmental Conditions at Time of Test:

Temperature °C		Pressure mmHg	Relative Humidity %	
Start	End	Duration of Test	Start	End
23.54	25.65	670.56	42.65	45.71

Conventional Mass Value: Assumed Density of Artifacts: 7.2 g/cm^3

Nominal	Serial No.	As Found (g)	As Left (g)	Uncertainty ± (g)	NIST 105-1 Class F ± (g)	*k factor*
1000 lb	8	-37.0	-0.9	5.9	45	2.28
1000 lb	1	-4.9	-4.9	5.9	45	2.28
1000 lb	5JIL	5.1	5.1	5.9	45	2.28
1000 lb	5JIK	25.1	25.1	5.9	45	2.28
1000 lb	2	-57.9	-10.9	5.9	45	2.28
2000 lb	Cart	-124.9	-124.9	6.7	227	2.28

Standards and Procedures used for testing:

The Standards used for this comparison are continuously monitored by a measurement control program for ensuring continued accuracy and traceability within the level of uncertainty reported. These standards were calibrated by a nationally accredited laboratory on 10/2009 (Reports on File) and are traceable to the SI. The test number listed above is traceable to National Standards through an unbroken chain of comparison each having stated uncertainties. This information is on file and available upon request.

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State Metrologist: ***Dave Fraser***

David Fraser

Email: dafraser@mt.gov

Certificate of Mass Calibration

Montana Department of Labor & Industry Metrology Laboratory
2801 N Cooke St. Helena, Montana 59601
(406)449-2582 FAX (406)443-8163

Company Name & Address:	Date of Test:	Test Number:
Lance Waller	6/29/2015	2015-075
Montana-Dakota Scale Service	Kit Number	
Route 1, Box 1640	No Kit #	
Fairview, MT 59221		

All results contained within this report only relate to the Item(s) listed in this report. This calibration report must not be used to claim product endorsement by the State of Montana or any other government agency.

Date these weights were received: 6/29/2015

Description and condition of artifacts received: Items were in good condition.

Environmental Conditions at Time of Test:

Temperature °C		Pressure mmHg	Relative Humidity %	
Start	End	Duration of Test	Start	End
22.98	24.23	667.51	40.1	42.73

Conventional Mass Value: Assumed Density of Artifacts: 7.2 g/cm^3

Nominal	Serial No.	As Found ± (g)	As Left ± (g)	Uncertainty ± (g)	NIST 105-1 Class F ± (g)	*k factor*
50 lb	2	-5.79	0.23	0.30	2.3	2.28
50 lb	20	-6.86	0.37	0.30	2.3	2.28
50 lb	4	-4.82	0.26	0.30	2.3	2.28
50 lb	12	-7.30	0.24	0.30	2.3	2.28
50 lb	8	-5.82	0.27	0.30	2.3	2.28
50 lb	10	-5.40	0.17	0.30	2.3	2.28
50 lb	6	-4.95	0.18	0.30	2.3	2.28
50 lb	21	-4.37	0.24	0.30	2.3	2.28
50 lb	16	-5.77	0.21	0.30	2.3	2.28

Standards and Procedures used for testing:

The Standards used for this comparison are continuously monitored by a measurement control program for ensuring continued accuracy and traceability within the level of uncertainty reported. These standards were calibrated by a nationally accredited laboratory on 10/2009 (Reports on File) and are traceable to the SI. The test number listed above is traceable to National Standards through an unbroken chain of comparison each having stated uncertainties. This information is on file and available upon request.

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State Metrologist: ***Dave Fraser***

David Fraser

Email: dafraser@mt.gov

Certificate of Mass Calibration

Montana Department of Labor & Industry Metrology Laboratory
2801 N Cooke St. Helena, Montana 59601
(406)449-2582 FAX (406)443-8163

Company Name & Address:
Lance Waller
Montana-Dakota Scale Service
Route 1, Box 1640
Fairview, MT 59221

Date of Test: 6/29/2015

Test Number: 2015-075

Kit Number No Kit #

All results contained within this report only relate to the item(s) listed in this report. This calibration report must not be used to claim product endorsement by the State of Montana or any other government agency.

Date these weights were received: 6/29/2015

Description and condition of artifacts received: Items were in good condition.

Environmental Conditions at Time of Test:

Temperature °C		Pressure mmHg	Relative Humidity %	
Start	End	Duration of Test	Start	End
22.98	24.23	667.51	40.1	42.73

Conventional Mass Value: Assumed Density of Artifacts: 7.2 g/cm^3

Nominal	Serial No.	As Found ± (g)	As Left ± (g)	Uncertainty ± (g)	NIST 105-1 Class F ± (g)	*k factor*
50 lb	18	-6.16	0.25	0.30	2.3	2.28
50 lb	13	-5.63	0.61	0.30	2.3	2.28
50 lb	19	-5.51	0.40	0.30	2.3	2.28
50 lb	17	-5.39	-0.35	0.30	2.3	2.28
50 lb	15	-5.89	0.23	0.30	2.3	2.28
50 lb	22	-4.77	0.27	0.30	2.3	2.28
50 lb	11	-5.68	0.52	0.30	2.3	2.28
50 lb	1	-5.77	0.28	0.30	2.3	2.28
50 lb	14	-4.75	0.26	0.30	2.3	2.28

Standards and Procedures used for testing:

The Standards used for this comparison are continuously monitored by a measurement control program for ensuring continued accuracy and traceability within the level of uncertainty reported. These standards were calibrated by a nationally accredited laboratory on 10/2009 (Reports on File) and are traceable to the SI. The test number listed above is traceable to National Standards through an unbroken chain of comparison each having stated uncertainties. This information is on file and available upon request.

Procedure Used: SOP-7

Traceability Statement:

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State Metrologist: ***Dove Fraser***

David Fraser

Email: dafraser@mt.gov

Certificate of Mass Calibration

Montana Department of Labor & Industry Metrology Laboratory
2801 N Cooke St. Helena, Montana 59601
(406)449-2582 FAX (406)443-8163

Company Name & Address:	Date of Test:	Test Number:
Lance Waller	6/30/2015	2015-076
Montana-Dakota Scale Service	Kit Number	
Route 1, Box 1640	25 lb	
Fairview, MT 59221		

All results contained within this report only relate to the item(s) listed in this report. This calibration report must not be used to claim product endorsement by the State of Montana or any other government agency.

Date these weights were received: 6/29/2015

Description and condition of artifacts received: Items were in good condition with no discernable defects.

Environmental Conditions at Time of Test:

Temperature °C		Pressure mmHg	Relative Humidity %	
Start	End	Duration of Test	Start	End
22.56	23.58	668.53	42.54	44.72

Conventional Mass Value: Assumed Density of Artifacts: 7.2 g/cm^3

Nominal	Serial No.	As Found ±(g)	As Left ±(g)	Uncertainty ± (g)	NIST 105-1 Class F ± (g)	*k factor*
25 lb	1	-4.81	0.07	0.30	1.1	2.28
25 lb	2	-5.01	0.05	0.30	1.1	2.28
25 lb	3	9.97	0.11	0.30	1.1	2.28
25 lb	4	-4.11	0.13	0.30	1.1	2.28

Standards and Procedures used for testing:

The Standards used for this comparison are continuously monitored by a measurement control program for ensuring continued accuracy and traceability within the level of uncertainty reported. These standards were calibrated by a nationally accredited laboratory on 10/2009 (Reports on File) and are traceable to the SI. The test number listed above is traceable to National Standards through an unbroken chain of comparison each having stated uncertainties. This information is on file and available upon request.

Procedure Used: SOP-7

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State Metrologist: ***Dave Fraser***

David Fraser

Email: dafraser@mt.gov

Certificate of Mass Calibration

Montana Department of Labor & Industry Metrology Laboratory
2801 N Cooke St. Helena, Montana 59601
(406)449-2582 FAX (406)443-8163

Company Name & Address:	Date of Test:	Test Number:
Lance Waller	7/1/2015	2015-078
Montana-Dakota Scale Service	Kit Number	
Route 1, Box 1640	200	
Fairview, MT 59221		

All results contained within this report only relate to the item(s) listed in this report. This calibration report must not be used to claim product endorsement by the State of Montana or any other government agency.

Date these weights were received: 6/29/2015

Description and condition of artifacts received: Items were in good condition with no discernable defects.

Environmental Conditions at Time of Test:

Temperature °C		Pressure mmHg	Relative Humidity %	
Start	End	Duration of Test	Start	End
24.56	25.48	665.23	42.26	44.54

Conventional Mass Value: Assumed Density of Artifacts: 7.84 g/cm^3

Nominal	Serial No.	As Found ±(g)	As Left ±(g)	Uncertainty ± (g)	NIST 105-1 Class F ± (g)	*k factor*
5 lb	A	0.068	0.068	0.017	0.23	2.28
5 lb	B	0.036	0.036	0.017	0.23	2.28
5 lb	C	0.043	0.043	0.017	0.23	2.28
5 lb	D	0.045	0.045	0.017	0.23	2.28
5 lb	E	0.069	0.069	0.017	0.23	2.28
1 lb	A	0.023	0.023	0.002	0.07	2.28
1 lb	B	0.022	0.022	0.002	0.07	2.28
1 lb	C	0.023	0.023	0.002	0.07	2.28
1 lb	D	0.030	0.030	0.002	0.07	2.28

Standards and Procedures used for testing:

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State Metrologist: *Dave Fraser*

David Fraser

Email: dafraser@mt.gov

Certificate of Mass Calibration

Montana Department of Labor & Industry Metrology Laboratory
2801 N Cooke St. Helena, Montana 59601
(406)449-2582 FAX (406)443-8163

Company Name & Address:	Date of Test:	Test Number:
Lance Waller	7/1/2015	2015-078
Montana-Dakota Scale Service	Kit Number	
Route 1, Box 1640	200	
Fairview, MT 59221		

All results contained within this report only relate to the item(s) listed in this report. This calibration report must not be used to claim product endorsement by the State of Montana or any other government agency.

Date these weights were received: 6/29/2015

Description and condition of artifacts received: Items were in good condition with no discernable defects.

Environmental Conditions at Time of Test:

Temperature °C		Pressure mmHg	Relative Humidity %	
Start	End	Duration of Test	Start	End
24.56	25.48	665.23	42.26	44.54

Conventional Mass Value: Assumed Density of Artifacts: 7.84 g/cm^3

Nominal	Serial No.	As Found ±(g)	As Left ±(g)	Uncertainty ± (g)	NIST 105-1 Class F ± (g)	*k factor*
1 lb	E	0.017	0.017	0.0022	0.07	2.28
8 oz	1	0.009	0.009	0.0022	0.045	2.28
4 oz	1	0.005	0.005	0.00074	0.023	2.28
2 oz	1	0.003	0.003	0.00074	0.011	2.28
1 oz	1 oz	0.002	0.002	0.00074	0.0054	2.28
1/2 oz	1/2 oz	0.001 0	0.001 0	0.000 3	0.003	2.28
1/4 oz	1/4 oz	0.000 7	0.000 7	0.000 3	0.002	2.28
1/8 oz	1/8 oz	0.000 3	0.000 3	0.000 3	0.0013	2.28
1/16 oz	1	0.000 31	0.000 31	0.000 27	0.0011	2.28

Standards and Procedures used for testing:

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Uncertainty Statement:

The expanded uncertainty presented in this report is consistent with the 1993 *ISO Guide to Expression of Uncertainty in Measurement* and follows *NISTIR 6969*, issue February 2012, SOP-29. The reported uncertainty is calculated by combining the uncertainty of the standard used, with the uncertainty of the measurement process in a root sum square formula using a calculated *k* factor, for a confidence level of 95.45%.

State Metrologist: *Dave Fraser*

David Fraser

Email: dafraser@mt.gov

Certificate of Mass Calibration

Montana Department of Labor & Industry Metrology Laboratory
2801 N Cooke St. Helena, Montana 59601
(406)449-2582 FAX (406)443-8163

Company Name & Address:	Date of Test:	Test Number:
Lance Waller	7/1/2015	2015-078
Montana-Dakota Scale Service	Kit Number	
Route 1, Box 1640	200	
Fairview, MT 59221		

All results contained within this report only relate to the item(s) listed in this report. This calibration report must not be used to claim product endorsement by the State of Montana or any other government agency.

Date these weights were received: 6/29/2015

Description and condition of artifacts received: Items were in good condition with no discernable defects.

Environmental Conditions at Time of Test:

Temperature °C		Pressure mmHg	Relative Humidity %	
Start	End	Duration of Test	Start	End
20.34	21.77	665.23	42.10	42.60

Conventional Mass Value: Assumed Density of Artifacts: 7.84 g/cm^3

Nominal	Serial No.	As Found ±(g)	As Left ±(g)	Uncertainty ±(g)	NIST 105-1 Class F ±(g)	*k factor*
1/32 oz	1	0.000 45	0.000 45	0.000 04	0.00087	2.28
1/32 oz	2	-0.000 01	-0.000 01	0.000 04	0.00087	2.28

Standards and Procedures used for testing:

The Standards used for this comparison are continuously monitored by a measurement control program for ensuring continued accuracy and traceability within the level of uncertainty reported. These standards were calibrated by a nationally accredited laboratory on 10/2009 (Reports on File) and are traceable to the SI. The test number listed above is traceable to National Standards through an unbroken chain of comparison each having stated uncertainties. This information is on file and available upon request.

Procedure Used: SOP-7

All procedures used in this laboratory are in accordance to National Institute of Standards and Technology Intermediate Report (NISTIR) 6969, issue February 2012, and the *Quality Assurance of Metrological Measurements*.

Traceability Statement:

The equipment in this report has been compared to the standards of the State of Montana. The States equipment complies with the specifications and tolerances listed in NIST 105-1 Class F tolerances. The standards of the State of Montana are traceable to the SI through the National Institute of Standards and Technology.

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(406)449-2582 FAX (406)443-8163

Company Name & Address:	Date of Test:	Test Number:
Lance Waller	7/1/2015	2015-081
Montana-Dakota Scale Service	Kit Number	
Route 1, Box 1640	10	
Fairview, MT 59221		

All results contained within this report only relate to the item(s) listed in this report. This calibration report must not be used to claim product endorsement by the State of Montana or any other government agency.

Date these weights were received: 6/29/2015

Description and condition of artifacts received: Items were in good condition.

Environmental Conditions at Time of Test:

Temperature °C		Pressure mmHg	Relative Humidity %	
Start	End	Duration of Test	Start	End
23.66	24.15	664.72	49.5	47.3

Conventional Mass Value: Assumed Density of Artifacts: 7.84 g/cm^3

Nominal	Serial No.	As Found ±(g)	As Left ±(g)	Uncertainty ± (g)	NIST 105-1 Class F ± (g)	*k factor*
1 kg	10	0.024	0.024	0.012	0.1	2.28
500 g	10	0.032	0.032	0.0083	0.07	2.28
200 g	10	0.0102	0.0102	0.0051	0.04	2.28
200 g *	10	0.0055	0.0055	0.0051	0.04	2.28
100 g	10	0.00451	0.00451	0.00074	0.02	2.28
50 g	10	0.00323	0.00323	0.00073	0.01	2.28
20 g	10	0.00061	0.00061	0.00014	0.004	2.28
20 g *	10	-0.00001	-0.00001	0.00014	0.004	2.28
10 g	10	0.00055	0.00055	0.00014	0.002	2.28

Standards and Procedures used for testing:

The Standards used for this comparison are continuously monitored by a measurement control program for ensuring continued accuracy and traceability within the level of uncertainty reported. These standards were calibrated by a nationally accredited laboratory on 10/2009 (Reports on File) and are traceable to the SI. The test number listed above is traceable to National Standards through an unbroken chain of comparison each having stated uncertainties. This information is on file and available upon request.

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Traceability Statement:

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State Metrologist: *Dave Fraser*

David Fraser

Email: dafraser@mt.gov

Certificate of Mass Calibration

Montana Department of Labor & Industry Metrology Laboratory
2801 N Cooke St. Helena, Montana 59601
(406)449-2582 FAX (406)443-8163

Company Name & Address:
Lance Waller
Montana-Dakota Scale Service
Route 1, Box 1640
Fairview, MT 59221

Date of Test: 7/1/2015

Test Number: 2015-081

Kit Number 10

All results contained within this report only relate to the item(s) listed in this report. This calibration report must not be used to claim product endorsement by the State of Montana or any other government agency.

Date these weights were received: 6/29/2015

Description and condition of artifacts received: Items were in good condition.

Environmental Conditions at Time of Test:

Temperature °C		Pressure mmHg	Relative Humidity %	
Start	End	Duration of Test	Start	End
23.66	24.15	664.72	49.5	47.3

Conventional Mass Value: Assumed Density of Artifacts: 7.84 g/cm³

Nominal	Serial No.	As Found ±(g)	As Left ±(g)	Uncertainty ± (g)	NIST 105-1 Class F ± (g)	*k factor*
5 g	10	-0.00019	-0.00019	0.00027	0.0015	2.28
2 g	10	0.00041	0.00041	0.00027	0.0011	2.28
2 g *	10	0.00011	0.00011	0.00027	0.0011	2.28
1 g	10	0.000409	0.000409	0.000044	0.0009	2.28

Standards and Procedures used for testing:

The Standards used for this comparison are continuously monitored by a measurement control program for ensuring continued accuracy and traceability within the level of uncertainty reported. These standards were calibrated by a nationally accredited laboratory on 10/2009 (Reports on File) and are traceable to the SI. The test number listed above is traceable to National Standards through an unbroken chain of comparison each having stated uncertainties. This information is on file and available upon request.

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State Metrologist: ***Dave Fraser***

David Fraser

Email: dafraser@mt.gov

United States Department of Commerce

National Institute of Standards and Technology

Certificate of Metrological Traceability For:

Montana

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.

2015

Scope

Mass Echelon III

30 kg to 1 mg

3000 lb to 0.001 lb

8 oz to 0.03125 oz

Weight Carts

5000 lb to 2000 lb

Volume Transfer, II

1500 gal to 5 gal

100 gal LPG to 25 gal LPG

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

Effective Dates: 2015-01-01 to 2015-12-31

(Rev.: March 2013)