

Ballantyne Agri

April 8th, 2020

Konrad Crockford
North Dakota Weights and Measures
600 E. Boulevard, Dept. 408
Bismarck, ND 58505
kerockford@nd.gov

Variance Permit Request – Article 69-10-01-04.1

We are requesting a permanent variance permit for the use of our permanent pit-less truck scale that is installed on a floating slab. We previously were granted a temporary variance permit (Case No. WM-16-633, Permit No. 512) on November 22nd 2017. The variance was granted for our scale which is an 80' x 11' Rice Lake Weighing Systems Model OTR Series, S/N 6RNK. The scale has an overall capacity of 200,000 lbs. and a concentrated load capacity of 100,000 lbs. capacity. The scale was installed following the foundation requirements set forth in the original variance permit. The scale is located at the address below:

Ballantyne Agri
10050 County Road 17A
Westhope, ND 58793

In addition to this request, we have also included all test reports for the scale since January 1st 2018 as requested. Please feel free to reach out to myself or Prairie Scale Systems, Inc. with any questions.

Thank you,

Mitch Opdahl

Ballantyne Agri

Date 05/07/2019	PSC Device Code 3V5	No. of Sections 5	Complete each item with Y (Yes), N (No), or NA (Not Applicable)
Name of Business Ballantyne Agri			<input type="checkbox"/> New Installation (w/ RFI Check) <input type="checkbox"/> Performed Calibration
Mailing Address 10050 County Road 17A Westhope ND 58793			<input type="checkbox"/> Modified Equipment <input type="checkbox"/> Use as a Reference Scale
Device Location Westhope 10050 Co. Rd 17A			<input type="checkbox"/> Replaced Existing Equipment <input type="checkbox"/> Non-Commercial
City Westhope	State ND	Zip Code 58793	<input type="checkbox"/> Scale Indoors
County		Telephone Number null	Y Variance Permit Posted; Expiration Date: 12/31/2018
Device Contact/Manager null		Cell Number	NA Stored/Recalled Weights meet NDAC 69-10-02-23 & 69-10-02-24
Email Address null			NA Software is NTEP Approved
			NA Built-In Standards; Date Certified:
			<input type="checkbox"/> Multiple Decks/Single Indicator <input type="checkbox"/> Customer Has Clear View
			<input type="checkbox"/> Clearance Below Scale Clear <input type="checkbox"/> Video Camera Working
			<input type="checkbox"/> Approach Requirements Met <input type="checkbox"/> View Distance > 200'
			<input type="checkbox"/> Pit Coping and Crush Strip Good <input type="checkbox"/> Two-Way Audio Working
NA In response to PSC Quality Assurance Inspection			

Scale Information - OTR ID - 015219

Scale Manufacturer Rice Lake	Indicator Manufacturer/Model Rice Lake 720i	Indicator Serial No. 1774200254	Weighing Elements 10 cell DESB 75K
Capacity/Divisions/Units 160,000 lbs x 20 lbs	Legible Label _ Y _ N	Class IIIL	Printer Manufacturer/Model Epson TM-295
Deck Size 80' x 11'	Clearance (inches) 12"	Approach - 12' Concrete Level New	Printer Serial No. J9KF161110
SR or Discrimination Test Zero Load = NA Loaded = NA		Motion Detection Range = 3d	Hard Surface Approach (Length/Slope/Condition) Good
			AZSM (Auto Zero) Range = 3d

Test Data

LBP / Section / Product Wt.	Value of Test Weights Used	Serial/Test Number	Errors +/-		LBP / Section / Product Wt.	Value of Test Weights Used	Serial/Test Number	Errors +/-	
			As Found	As Left				As Found	As Left
Description: Section Test					Description: Corner Test				
1	20,000 lbs		0	0	1	10,000 lbs			0/+
2	20,000 lbs		-40	0	2	10,000 lbs			0
3	20,000 lbs		-20	0	3	10,000 lbs			0
4	20,000 lbs		-20	0	4	10,000 lbs			0
5	20,000 lbs		-20	0	5	10,000 lbs			0
					6	10,000 lbs			0
	BC=0				7	10,000 lbs			0
					8	10,000 lbs			0
					9	10,000 lbs			0
					10	10,000 lbs			0
						BC=0			

Strain Load Test

Section (Increasing or Decreasing)	Increasing Two	Remarks (include environmental conditions, if applicable). Attach additional sheets as necessary.
Full Truck Weight	60,700 lbs	
Test Weight	20,000 lbs	
Empty Truck Weight	40,700 lbs	
Errors	0	
Physical Seal <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Electronic Audit Trail: <input type="checkbox"/> Y <input type="checkbox"/> N	Audit Trail Information:	Performed quarter inspection and test on RLWS truck scale, found no major build up or binds. Tested scale and found four of the five sections running minus. Adjusted scale as needed.
Seal Date: 05/07/2019	Seal Type: Lead	
Meets tolerances in PSC adopted NIST Handbook 44? <input checked="" type="checkbox"/> Maintenance_ Acceptance <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected <input type="checkbox"/> Taken out of Service <input checked="" type="checkbox"/> 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.		
<i>Cody Barnett</i> Permit Holder Signature	1718 Permit Number	
Operator Signature	05/07/2019 Date	



PRAIRIE SCALE SYSTEMS, INC.
P.O. Box 69 Horace, ND 58047-0069 701-281-9591

Invoice: MC-101914
Scale ID: 015219

Date 11/08/2018	PSC Device Code 3V5	No. of Sections 5	Complete each item with Y (Yes), N (No), or NA (Not Applicable)	
Name of Business Ballantyne Agri			<input type="checkbox"/> New Installation (w/ RFI Check)	<input checked="" type="checkbox"/> Performed Calibration
Mailing Address 10050 County Road 17A Westhope ND 58793			<input type="checkbox"/> Modified Equipment	<input checked="" type="checkbox"/> Use as a Reference Scale
Device Location Westhope 10050 Co. Rd 17A			<input type="checkbox"/> Replaced Existing Equipment	<input type="checkbox"/> Non-Commercial
City Westhope	State ND	Zip Code 58793	<input checked="" type="checkbox"/> Variance Permit Posted; Expiration Date: 12/31/2018	
County	Telephone Number null		<input checked="" type="checkbox"/> Stored/Recalled Weights meet NDAC 69-10-02-23 & 69-10-02-24	
Device Contact/Manager null	Cell Number		<input checked="" type="checkbox"/> Software is NTEP Approved	
Email Address null			<input type="checkbox"/> Built-In Standards; Date Certified:	
			<input type="checkbox"/> Multiple Decks/Single Indicator	<input type="checkbox"/> Customer Has Clear View
			<input checked="" type="checkbox"/> Clearance Below Scale Clear	<input checked="" type="checkbox"/> Video Camera Working
			<input checked="" type="checkbox"/> Approach Requirements Met	<input type="checkbox"/> View Distance > 200'
			<input checked="" type="checkbox"/> Pit Coping and Crush Strip Good	<input checked="" type="checkbox"/> Two-Way Audio Working
<input type="checkbox"/> In response to PSC Quality Assurance Inspection				


Scale Information - OTR ID - 015219

Scale Manufacturer Rice Lake	Indicator Manufacturer/Model Rice Lake 720i	Indicator Serial No. 1774200254	Weighing Elements 10 cell DESB 75K
Capacity/Divisions/Units 160,000 lbs x 20 lbs	Legible Label <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Class III	Printer Manufacturer/Model Epson TM-295
Deck Size 80' x 11'	Clearance (inches) 12"	Approach - 12' Concrete Level New	Printer Serial No. J9KF161110
SR or Discrimination Test Zero Load = NA Loaded = NA	Motion Detection Range = 3d	AZSM (Auto Zero) Range = 3d	

Test Data

LBP / Section / Product Wt.	Value of Test Weights Used	Serial/Test Number	Errors +/-		LBP / Section / Product Wt.	Value of Test Weights Used	Serial/Test Number	Errors +/-	
			As Found	As Left				As Found	As Left
Description: Section Test					Description: Corner Test				
1	20,000 lbs		+20/40	0	1	10,000 lbs		-	0
2	20,000 lbs		+60	0/-20	2	10,000 lbs		-	0/-20
3	20,000 lbs		+60	0	3	10,000 lbs		-	0
4	20,000 lbs		+60	0	4	10,000 lbs		-	0
5	20,000 lbs		+40	0	5	10,000 lbs		-	0
					6	10,000 lbs		-	0
	BC=0				7	10,000 lbs		-	0
					8	10,000 lbs		-	0
					9	10,000 lbs		-	0
					10	10,000 lbs		-	0
						BC=0			

Strain Load Test

Section (Increasing or Decreasing)	Section 2 (Inc)	Remarks (include environmental conditions, if applicable). Attach additional sheets as necessary.
Full Truck Weight	60,240	Quarterly test of the Rice Lake truck scale. Scale has a variance for a floating slab. Found all the sections running plus. We gave the scale a new calibration, then adjusted out the errors.
Test Weight	20,000	
Empty Truck Weight	40,260	
Errors	-20	
Physical Seal <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Electronic Audit Trail: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Audit Trail Information:	
Seal Date: 11/08/2018	Seal Type: Lead	
Meets tolerances in PSC adopted NIST Handbook 44? <input type="checkbox"/> Maintenance <input checked="" type="checkbox"/> Acceptance <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected <input type="checkbox"/> Taken out of Service <input checked="" type="checkbox"/> 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	1514	Permit Number
Operator Signature	11/08/2018	Date



PRAIRIE SCALE SYSTEMS, INC.
P.O. Box 69 Horace, ND 58047-0069 701-281-9591

Invoice: JW-100337
Scale ID: 015219

Date 08/20/2018	PSC Device Code 3V5	No. of Sections 5	Complete each item with Y (Yes), N (No), or NA (Not Applicable) <input type="checkbox"/> New Installation (w/ RFI Check) <input type="checkbox"/> Performed Calibration <input type="checkbox"/> Modified Equipment <input type="checkbox"/> Use as a Reference Scale <input type="checkbox"/> Replaced Existing Equipment <input type="checkbox"/> Non-Commercial <input type="checkbox"/> Scale Indoors <input checked="" type="checkbox"/> Variance Permit Posted; Expiration Date: 12/31/2018 <input checked="" type="checkbox"/> Stored/Recalled Weights meet NDAC 69-10-02-23 & 69-10-02-24 <input checked="" type="checkbox"/> Software is NTEP Approved <input checked="" type="checkbox"/> Built-In Standards; Date Certified: <input checked="" type="checkbox"/> Multiple Decks/Single Indicator <input checked="" type="checkbox"/> Customer Has Clear View <input checked="" type="checkbox"/> Clearance Below Scale Clear <input checked="" type="checkbox"/> Video Camera Working <input checked="" type="checkbox"/> Approach Requirements Met <input checked="" type="checkbox"/> View Distance > 200' <input checked="" type="checkbox"/> Pit Coping and Crush Strip Good <input checked="" type="checkbox"/> Two-Way Audio Working <input checked="" type="checkbox"/> In response to PSC Quality Assurance Inspection
Name of Business Ballantyne Agri			
Mailing Address 10050 County Road 17A Westhope ND 58793			
Device Location Westhope 10050 Co. Rd 17A			
City Westhope	State ND	Zip Code 58793	
County		Telephone Number null	
Device Contact/Manager null		Cell Number	
Email Address null			

Scale Information - OTR ID - 015219

Scale Manufacturer Rice Lake	Indicator Manufacturer/Model Rice Lake 720i	Indicator Serial No. 1774200254	Weighing Elements 10 cell DESB 75K
Capacity/Divisions/Units 160,000 lbs x 20 lbs	Legible Label X Y _ N	Class IIIIL	Printer Manufacturer/Model Epson TM-295
Deck Size 80' x 11'	Clearance (inches) 12"	Approach - 12' Concrete Level New	Printer Serial No. J9KF161110
SR or Discrimination Test Zero Load = NA Loaded = NA		Motion Detection Range = 3d	Hard Surface Approach (Length/Slope/Condition) Good
			AZSM (Auto Zero) Range = 3d

Test Data

LBP / Section / Product Wt.	Value of Test Weights Used	Serial/Test Number	Errors +/-		LBP / Section / Product Wt.	Value of Test Weights Used	Serial/Test Number	Errors +/-	
			As Found	As Left				As Found	As Left
Description:					Description:				
1	20,000 lbs		-60	0	1	10,000 lbs		-20/40	0
2	20,000 lbs		-40	0	2	10,000 lbs		-20	0
3	20,000 lbs		-40	0	3	10,000 lbs		-40	0
4	20,000 lbs		-60	0	4	10,000 lbs		-40	0
5	20,000 lbs		-20		5	10,000 lbs		-20	0
					6	10,000 lbs		0	0
	BC=0				7	10,000 lbs		-20	0
					8	10,000 lbs		0	0
					9	10,000 lbs		-20	0
					10	10,000 lbs		-20	0
						BC=0			

Strain Load Test

Section (Increasing or Decreasing)	Sec 2 Increasing	Remarks (include environmental conditions, if applicable). Attach additional sheets as necessary. Quarterly test and inspection of Rice Lake OTR that has a variance for being on an Floating slab. Found scale to be free of binds and obstructions. Upon testing we found scale to be running minus everywhere from -20 to -60. We adjusted corners and sections as needed. Found scale to be accurate no further adjustments needed at this time.
Full Truck Weight	59,780 lbs.	
Test Weight	20,000 lbs.	
Empty Truck Weight	39,780 lbs.	
Errors	0	
Physical Seal <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Electronic Audit Trail: <input type="checkbox"/> Y <input type="checkbox"/> N	
Seal Date: 08/20/2018	Audit Trail Information:	
Seal Type: Lead		
Meets tolerances in PSC adopted NIST Handbook 44? <input type="checkbox"/> Maintenance <input checked="" type="checkbox"/> Acceptance <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected <input type="checkbox"/> Taken out of Service <input checked="" type="checkbox"/> 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		1802 Permit Number
_____ Operator Signature		08/20/2018 Date



Public Service Commission

State of North Dakota

COMMISSIONERS

Randy Christmann
Julie Fedorchak
Brian Kroshus

Executive Secretary
Darrell Nitschke

600 East Boulevard, Dept. 408
Bismarck, North Dakota 58505-0480
Web: www.psc.nd.gov
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Phone: 701-328-2400
ND Toll Free: 1-877-245-6685
Fax: 701-328-2410
TDD: 800-366-6888 or 711

TEMPORARY VARIANCE PERMIT APPROVAL EXTENSION

Expires: Midnight on December 31, 2018

Ballantyne Agri Variance Permit Application

Case No. WM-16-633

Issued To:

Ballantyne Agri
10050 County Road 17A
Westhope, ND 58793

Scale Location:

Ballantyne Agri
1 ¼ mile west of Westhope on County Road 6

Truck Scale Information:

Rice Lake Weighing Systems OTR Series, S/N 6RNK, 200,000 lb. (100,000 lb. CLC), 11' x 80'

Request To:

Operate in commerce a scale with a floating slab foundation.

Temporary Variance Permit Conditions:

- The foundation of the scale must be constructed on soil that has a uniform natural or engineered soil bearing of at least 1,500 pounds per square foot.
- A base of uniform, compacted, permeable aggregate, at least 24 inches deep must be installed. The concrete slab foundation must be poured on top of this base.
- The scale weighing element or elements must be supported on a monolithic, steel reinforced 12" thick concrete slab and must conform to the scale manufacturer's installation and reinforcing requirements.
- The top surface of the foundation slab must be installed above the surrounding grade level so that water will flow away from the foundation and away from the permeable aggregate base that supports the foundation.

Ballantyne Agri
Page 2

- The scale will not be used beyond its 200,000 lb. capacity.
- During the temporary variance period, the scale must maintain acceptance tolerance.
- The scale must be retested and adjusted, if applicable, by a registered service company in January 2018, April 2018, July 2018, and November 2018.
- The service company test reports must be submitted to the Commission within seven working days of the test date and a copy retained by Ballantyne Agri.
- The service company test reports must include both the "as found" and "as left" readings.
- Except for the specific variance granted by Permit Number 512, the scale must be operated according to all applicable North Dakota Laws and Rules.
- The enclosed Temporary Variance Permit must be posted near the scale in a place clearly visible to the public.
- Failure to comply with the variance permit conditions may result in revocation.
- At least thirty days prior to the expiration date, if the scale is still used in commerce, you must make written request for a permanent variance permit. The request must include the service company test reports for the retests performed during the temporary variance permit period.

If you have any further questions, or require additional information, please feel free to contact me at (701) 328-4097.

Dated November 22, 2017



Konrad Crockford, Director
Compliance Division



Public Service Commission

TEMPORARY VARIANCE PERMIT EXTENSION

Issued To:

Permit No. 512

Ballantyne Agri
10050 County Road 17A
Westhope, ND 58793-9773

Expiration Date: December 31, 2018

Scale Location:

Ballantyne Agri
1 ¼ mile west of Westhope on County Road 6

Scale Information:

Rice Lake Weighing Systems OTR Series, S/N 6RNK, 200,000 lb. (100,000 lb. CLC),
11' x 80'

This Permit allows the above referenced **scale with a floating slab foundation to be operated in commerce.**

This Permit is conditioned upon Ballantyne Agri adhering to the terms of the November 22, 2017 Temporary Variance Permit Approval.

Dated November 22, 2017

A handwritten signature in blue ink, appearing to read "Konrad Crockford", is written over a horizontal line.

Konrad Crockford, Director
Compliance Division

Bauske, Shelly A.

From: Cooper Anderson <coopera@prairiescale.com>
Sent: Friday, November 17, 2017 7:54 AM
To: Bauske, Shelly A.
Subject: Re: PrairieScales Test Report #GT-100598 - Email 1 of 1

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

Shelly,

I just wanted to follow up on this test report/Ballantyne Agri in Westhope. This test report may solve the testing issues that we and Wayne had seen. The scale readings since new were not as good as what they should be.. Ballantyne had called last week and said there scale was drifting. The guys tested out the electronics to find a load cell had been breaking down/failed. I would guess that this may answer some of the questions on why this scale was working so great. I told the end user that we will be stopping by and checking the scale when we are in the area to make sure we have solved the problem. I will have our guys send you the reports so we can monitor it.

Call with any questions.

Thanks Shelly,

Cooper Anderson

Prairie Scale Systems Inc.
7805 112th Ave S.
Horace, ND 58047
Office: 701-281-9591
Fax: 701-281-9373
www.prairiescale.com

From: service@prairiescale.com <service@prairiescale.com>
Sent: Wednesday, November 8, 2017 10:20 AM
To: service_Prairie-Scale; sbauske@nd.gov; opdahl97@gmail.com
Subject: PrairieScales Test Report #GT-100598 - Email 1 of 1

Attached is scale test details for order #GT-100598.

Thank you for your business!

Prairie Scale Systems, Inc. | <http://PrairieScale.com>

Ballantyne Agri

Nov. 3, 2017

North Dakota Weights and Measures
600 E. Boulevard, Dept. 408
Bismarck, ND 58505

Attention: Konrad Crockford - Director

Subject: Variance Permit Request – Article 69-10-01-04.1

We are requesting a permanent variance permit for the use of our pit-less truck scale that is installed on a floating slab foundation. This particular scale was installed under a temporary variance permit which has recently expired. We chose to apply for the floating slab variance as we believe the floating slab option better suits our application. Our scale location has a high water table and we feel the floating slab option will work better long term if the foundation is not down in the wet ground. The permanent truck scale and foundation has been installed by Prairie Scale Systems Inc. to meet all accuracy requirements. Construction for the new scale was completed and the scale has been tested as per the temporary variance.

The permanent scale that is to be used is an 80 ft x 11 ft Rice Lake Weighing Systems OTR Series truck scale, S/N 6RNK. This particular scale, has an overall capacity of 200,000 lbs and a concentrated load capacity of 100,000 lbs. The scale is to be setup, tested, and certified to meet the tolerances of a legal for trade scale.

We appreciate your cooperation with our request. If we are granted a permanent variance, we plan to operate the truck scale according to all applicable North Dakota Laws and Rules.

Thank you,
Mitch Opdahl
Ballantyne Agri