

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

Date 11/01/2016	PSC Device Code SV	No. of Sections 5	Complete each item with Y (Yes), N (No), or NA (Not Applicable)	
Name of Business Ballantyne Agri			<input checked="" type="checkbox"/> New Installation (w/ RFI Check)	<input checked="" type="checkbox"/> Performed Calibration
Mailing Address 10050 County Road 17A Westhope ND 58793			<input checked="" type="checkbox"/> Modified Equipment	<input checked="" type="checkbox"/> Use as a Reference Scale
Device Location Westhope 10050 Co. Rd 17A			<input checked="" type="checkbox"/> Replaced Existing Equipment	<input checked="" type="checkbox"/> Non-Commercial
City Westhope	State ND	Zip Code 58793	<input checked="" type="checkbox"/> Variance Permit Posted; Expiration Date: 09/30/2017	
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 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	


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 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 = Loaded =		Motion Detection Range =	Hard Surface Approach (Length/Slope/Condition) Good
			AZSM (Auto Zero) Range =

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		-	0	1	10,000 lbs		-	0
2	20,000 lbs		-	0	2	10,000 lbs		-	0
3	20,000 lbs		-	0	3	10,000 lbs		-	0
4	20,000 lbs		-	0	4	10,000 lbs		-	0
5	20,000 lbs		-	0	5	10,000 lbs		-	0
					6	10,000 lbs		-	0
					7	10,000 lbs		-	0
					8	10,000 lbs		-	0
					9	10,000 lbs		-	0
					10	10,000 lbs		-	0

Strain Load Test

Section (Increasing or Decreasing)	1 Increasing	Remarks (include environmental conditions, if applicable). Attach additional sheets as necessary.
Full Truck Weight	60,420 lbs	Installed calibrated and tested new OTR scale on floating slab. Variance permit is posted next to the indicator. Approaches are not finished at this time. Returned and verified approaches are finished 11/9/16 - CA.
Test Weight	20,000 lbs	
Empty Truck Weight	40,400/20 lbs	
Errors	0/+	
Physical Seal <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N Electronic Audit Trail: <input type="checkbox"/> Y <input type="checkbox"/> N	Audit Trail Information:	
Seal Date: 11/01/2016	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		1768 Permit Number
Operator Signature		11/01/2016 Date



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

Invoice: CR-101223
Scale ID: 015219

Date 04/05/2017	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 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"/> Scale Indoors	
County		Telephone Number null	<input checked="" type="checkbox"/> Variance Permit Posted; Expiration Date: 09/30/2017	
Device Contact/Manager null		Cell Number	<input checked="" type="checkbox"/> Stored/Recalled Weights meet NDAC 69-10-02-23 & 69-10-02-24	
Email Address null			<input checked="" type="checkbox"/> Software is NTEP Approved	
			<input checked="" type="checkbox"/> Built-In Standards; Date Certified:	
			<input 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 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				

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 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		+80	0	1	10,000 lbs		+40	0
2	20,000 lbs		+100	0	2	10,000 lbs		+40	0
3	20,000 lbs		+60	0	3	10,000 lbs		+40/60	0
4	20,000 lbs		+60	0	4	10,000 lbs		+40	0
5	20,000 lbs		+60	0	5	10,000 lbs		+40	0
					6	10,000 lbs		+20	0
	BC=0				7	10,000 lbs		+20	0
					8	10,000 lbs		+20	0
					9	10,000 lbs		+60	0
					10	10,000 lbs		+40	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	59,520/540	
Test Weight	20,000	
Empty Truck Weight	39,520	
Errors	0/-	
Physical Seal <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Electronic Audit Trail: <input type="checkbox"/> Y <input type="checkbox"/> N	Performed inspection and test on RLWS truck scale, tested scale and found all sections running plus. Re-calibrated and adjusted scale as needed. Verified printer working correctly.
Seal Date: 04/05/2017	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.		
Cody Bennick	1718	
Permit Holder Signature	Permit Number	
	04/05/2017	
Operator Signature	Date	

Scale Test Report

North Dakota Public Service Commission
Testing and Safety Division
SFN 19243 (5/2002)

Invoice# **WG 59198**

Operator# 9333

Inspected Date: 10/24/2017 12:57:16

Date Last Tested: 4/5/2017

Ballantyne Agri
10050 Co Rd 17A

Westhope ND 58793

Phone: 701-263-1454

Variance Posted: **Yes temp. var. is EXPIRED**

Contact:

E Mail: opdahl97@gmail.com

Item Code: 3V5 1

Location Of Device:

Manufacturer: Rice Lake

Indicating Element: 720i

Capacity: 160,000 x 20

Serial #: **1774200254**

Class: III L

Lever System/Weighing Elements: 10 Cell

Platform Size: 11 x 80

Pit Depth: 12"

Approaches: 12' conc., h/s ok

Printer: Epson TM-295

Printer SN: NA

Environmental Conditions:

Test Results

Initial Zero Test: 0

Section Test

Section	Test Weight	Error
1	20,000	0
2	20,000	-120
3	20,000	20/40
4	20,000	20/40
5	20,000	

Balance Check: 0

Sensitivity Response OR Discrimination Test

ZeroLoad	NA
Loaded	NA

Strain Test

Shift Test

Load Pt.	Test Weight	Error
1	10,000	
2	10,000	
3	10,000	
4	10,000	
5	10,000	
6	10,000	
7	10,000	
8	10,000	
9	10,000	
10	10,000	

Balance Check: 0

	Wt Full	Test Weight	Wt Empty	Error
1	51640	20,000	31600	40
2		20,000		
3		20,000		
4		20,000		

Remarks: **Red Tag: Cannot be used commercially until repaired (>1D out of tol.)**

Scale is: **W**

Scale Test Report

North Dakota Public Service Commission

Testing and Safety Division

SFN 19243 (5/2002)

Invoice# **WG 59198**

Inspected By **Grangaard**

Date 10/24/2017	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: 09/30/2017 <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			

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			As Found	As Left				As Found	As Left
Description: Section Test					Description: Corner Test				
1	20,000 lbs		-40	0	1	10,000 lbs		-20	0
2	20,000 lbs		-180	0	2	10,000 lbs		-80	0
3	20,000 lbs		-20	0	3	10,000 lbs		-20	0
4	20,000 lbs		+20	0	4	10,000 lbs		0	0
5	20,000 lbs		+20	0	5	10,000 lbs		0	0
					6	10,000 lbs		+20	0
	BC=0				7	10,000 lbs		-20	0
					8	10,000 lbs		0	0
					9	10,000 lbs		-80	0
					10	10,000 lbs		-20	0
						BC=0			

Strain Load Test

Section (Increasing or Decreasing)	Increasing Four	Remarks (include environmental conditions, if applicable). Attach additional sheets as necessary. Found scale red tagged by state inspector. Inspected scale, found no build up or binds. Tested scale and found close readings to state report. Adjusted scale into tolerance and found no other adjustments needed. Placed scale back into service.
Full Truck Weight	60,540	
Test Weight	20,000	
Empty Truck Weight	40,540	
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:	
Seal Date: 10/24/2017	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		_____ 1718 Permit Number
_____ Operator Signature		_____ 10/24/2017 Date

