



March 17, 2020

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

Attention: Konrad Crockford - Director

Subject: Variance Permit Request – Existing Temporary Variance Permit 523 expired.

We are requesting a variance permit for the permanent use of a pit-less truck scale that was installed onto a floating slab foundation. We have a fertilizer facility near Litchville, ND. We use the scale for the weighing of anhydrous ammonia trailers. We have chosen to apply for the floating slab variance as we believe the floating slab option better suits our application. Our location for the scale 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 was installed by Prairie Scale Systems Inc. to meet all accuracy requirements.

The scale that has been used is a 24 ft x 12 ft Rice Lake Weighing Systems OTR Series truck scale. This particular scale, has an overall capacity of 120,000 lbs and a concentrated load capacity of 100,000 lbs. The scale was setup, tested, and certified to meet the tolerances of a legal for trade scale. I have included an attachment of the test reports since the Temporary Variance was granted.

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

Thank you,
Waylon Triepke
701-793-7769
Waylon.triepke@chsinc.com



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
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TDD: 800-366-6888 or 711

TEMPORARY VARIANCE PERMIT APPROVAL

Expires: Midnight on December 31, 2019

CHS Dakota Plains Ag Variance Permit Application

Case No. WM-17-375

Issued To:

CHS Dakota Plains Ag
5324 165th Ave SE
PO Box 265
Kindred ND 58051

Scale Location:

CHS Dakota Plains Ag
10802 Highway 46
Litchville ND 58461

Truck Scale Information:

Rice Lake Weighing Systems OTR Series, 120,000 lb. (100,000 lb. CLC), 24' x 12'

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.

- The scale will not be used beyond its 120,000 lb. capacity.
- The scale must be placed into service by a registered service company and the serial number of the scale and the indicator recorded on the test report.
- During the temporary variance permit period, the scale must maintain acceptance tolerance.
- The scale must be retested and adjusted, if applicable, by a registered service company in May 2018, November 2018, May 2019, and November 2019.
- The service company test reports must be submitted to the Commission within seven working days of the test date and a copy retained by CHS Dakota Plains Ag.
- The service company test reports must include both the "as found" and "as left" readings.
- Except for the specific variance granted by Permit Number 523, 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 commercially, you must make written request for a permanent variance permit. The request must include the service company test reports for the installation and subsequent 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 October 16, 2017



Konrad Crockford, Director
Compliance Division



Public Service Commission

TEMPORARY VARIANCE PERMIT

Issued To:

Permit No. 523

CHS Dakota Plains Ag
5324 165th Ave SE
PO Box 265
Kindred ND 58051

Expiration Date: December 31, 2019

Scale Location:

CHS Dakota Plains Ag
10802 Highway 46
Litchville ND 58461

Scale Information:

Rice Lake Weighing Systems OTR Series, 120,000 lb. (100,000 lb. CLC), 24' x 12'

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

This Permit is conditioned upon CHS Dakota Plains Ag adhering to the terms of the October 16, 2017 Temporary Variance Permit Approval.

Dated October 16, 2017

A handwritten signature in blue ink, appearing to read "Konrad Crockford".

Konrad Crockford, Director
Compliance Division

Date 10/31/2017	PSC Device Code 3V2	No. of Sections 2	Complete each item with Y (Yes), N (No), or NA (Not Applicable)	
Name of Business CHS - Dakota Plains Ag			<input checked="" type="checkbox"/> New Installation (w/ RFI Check)	<input checked="" type="checkbox"/> Performed Calibration
Mailing Address PO Box 265 5324 165th Ave S Kindred ND 58051			<input checked="" type="checkbox"/> Modified Equipment	<input checked="" type="checkbox"/> Use as a Reference Scale
Device Location Litchville - Fertilizer 10802 Hwy 46			<input checked="" type="checkbox"/> Replaced Existing Equipment	<input checked="" type="checkbox"/> Non-Commercial
City Litchville	State ND	Zip Code 58461	<input checked="" type="checkbox"/> Scale Indoors	
County		Telephone Number 701-762-5015	<input checked="" type="checkbox"/> Variance Permit Posted; Expiration Date: 12/31/2019	
Device Contact/Manager Waylon Triepke		Cell Number	<input checked="" type="checkbox"/> Stored/Recalled Weights meet NDAC 69-10-02-23 & 69-10-02-24	
Email Address waylon.triepke@chsinc.com			<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	

Scale Information - Anhydrous OTR 020857

Scale Manufacturer RLWS OTR	Indicator Manufacturer/Model RLWS 420 Plus-2A	Indicator Serial No. 1815200111	Weighing Elements 4 Load cell
Capacity/Divisions/Units 100,000x20 lbs.	Legible Label X Y _ N	Class III	Printer Manufacturer/Model Epson TM-U295
Deck Size 24' x 12'	Clearance (inches) 13"	Approach - 12' Concrete Level 12' concrete	Printer Serial No. J9KF177509
SR or Discrimination Test Zero Load = Loaded =		Motion Detection Range = 1d	Hard Surface Approach (Length/Slope/Condition) 13'/steep/packed gravel
			AZSM (Auto Zero) Range = 3

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: Shift Test				
1	20,000		+40	0	1	10,000		+20	0
2	20,000		0	0	2	10,000			0
					3	10,000		-20	0
					4	10,000		+20	0

Strain Load Test

Section (Increasing or Decreasing) Sec 2 Increasing	Remarks (include environmental conditions, if applicable). Attach additional sheets as necessary.
Full Truck Weight 35,860 lbs.	On site to finish install of RLWS OTR Anhydrous scale . We finished up wiring the home run cable to the transient protection box mounted the indicator to the wall and terminated the home run to the indicator. We performed calibration and adjusted corners as needed we found scale to be accurate no further adjustments were needed at this time. Scale is now certified and placed into service and the variance is posted above the indicator.
Test Weight 20,000 lbs.	
Empty Truck Weight 15,860 lbs.	
Errors 0	
Physical Seal <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N Electronic Audit Trail: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
Seal Date: 10/31/2017 Audit Trail Information:	
Seal Type: Lead	
Meets tolerances in PSC adopted NIST Handbook 44? <input checked="" 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.	
<i>Waylon Triepke</i> Permit Holder Signature	1802 Permit Number
<i>Waylon Triepke</i> Operator Signature	10/31/2017 Date

Date 04/30/2018	PSC Device Code 3V2	No. of Sections 2	Complete each item with Y (Yes), N (No), or NA (Not Applicable)	
Name of Business CHS - Dakota Plains Ag			<input type="checkbox"/> New Installation (w/ RFI Check)	<input type="checkbox"/> Performed Calibration
Mailing Address PO Box 265 5324 165th Ave S Kindred ND 58051			<input type="checkbox"/> Modified Equipment	<input checked="" type="checkbox"/> Use as a Reference Scale
Device Location Litchville - Fertilizer 10802 Hwy 46			<input type="checkbox"/> Replaced Existing Equipment	<input type="checkbox"/> Non-Commercial
City Litchville	State ND	Zip Code 58461	<input type="checkbox"/> Scale Indoors	
County			Y Variance Permit Posted; Expiration Date: 12/31/2019	
Device Contact/Manager Waylon Triepke			NA Stored/Recalled Weights meet NDAC 69-10-02-23 & 69-10-02-24	
Email Address waylon.triepke@chsinc.com			NA Software is NTEP Approved	
Telephone Number 701-762-5015			NA Built-In Standards; Date Certified:	
Cell Number			<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 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 type="checkbox"/> In response to PSC Quality Assurance Inspection	

Scale Information - Anhydrous OTR 020857

Scale Manufacturer RLWS OTR	Indicator Manufacturer/Model RLWS 420 Plus-2A	Indicator Serial No. 1815200111	Weighing Elements 4 Load cell
Capacity/Divisions/Units 100.000x20 lbs.	Legible Label X Y _ N	Class III	Printer Manufacturer/Model Epson TM-U295
Deck Size 24' x 12'	Clearance (inches) 13"	Approach - 12' Concrete Level 12' concrete	Printer Serial No. J9KF177509
SR or Discrimination Test Zero Load = Loaded =		Motion Detection Range = 1d	Hard Surface Approach (Length/Slope/Condition) 13'/steep/packed gravel
			AZSM (Auto Zero) Range = 3

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		+20	0	1	10,000		+20	0
2	20,000		0	0	2	10,000		0	0
					3	10,000		0	0
					4	10,000		+20	0

Strain Load Test

Section (Increasing or Decreasing)	Strain Test section 2	Remarks (include environmental conditions, if applicable). Attach additional sheets as necessary. Annual Test. Adjusted section 1 as needed. Tested and Approved.
Full Truck Weight	35,640 lbs	
Test Weight	20,000 lbs	
Empty Truck Weight	15,640 lbs	
Errors	0	
Physical Seal <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Electronic Audit Trail: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
Seal Date: 04/30/2018	Audit Trail Information:	
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.		
Permit Holder Signature	Permit Number	
Operator Signature	Date	
	04/30/2018	

Date 11/07/2019	PSC Device Code 3V2	No. of Sections 2	Complete each item with Y (Yes), N (No), or NA (Not Applicable)	
Name of Business CHS - Dakota Plains Ag			<input type="checkbox"/> New Installation (w/ RFI Check)	<input checked="" type="checkbox"/> Performed Calibration
Mailing Address PO Box 265 5324 165th Ave S Kindred ND 58051			<input type="checkbox"/> Modified Equipment	<input checked="" type="checkbox"/> Use as a Reference Scale
Device Location Litchville - Fertilizer 10802 Hwy 46			<input type="checkbox"/> Replaced Existing Equipment	<input type="checkbox"/> Non-Commercial
City Litchville	State ND	Zip Code 58461	<input checked="" type="checkbox"/> Scale Indoors	
County			Y Variance Permit Posted; Expiration Date: 12/31/2019	
Device Contact/Manager Waylon Triepke			NA Stored/Recalled Weights meet NDAC 69-10-02-23 & 69-10-02-24	
Email Address waylon.triepke@chsinc.com			NA Software is NTEP Approved	
Telephone Number 701-762-5015			NA Built-In Standards; Date Certified:	
Cell Number			<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 type="checkbox"/> In response to PSC Quality Assurance Inspection	



Scale Information - Anhydrous OTR 020857

Scale Manufacturer RLWS OTR	Indicator Manufacturer/Model RLWS 420 Plus-2A	Indicator Serial No. 1815200111	Weighing Elements 4 Load cell
Capacity/Divisions/Units 100,000x20 lbs.	Legible Label X Y _ N	Class III	Printer Manufacturer/Model Epson TM-U295
Deck Size 24' x 12'	Clearance (inches) 13"	Approach - 12' Concrete Level 12' concrete	Printer Serial No. J9KF177509
SR or Discrimination Test Zero Load = Loaded =		Motion Detection Range = 1d	Hard Surface Approach (Length/Slope/Condition) 13'/steep/packed gravel
			AZSM (Auto Zero) Range = 3

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		-20	0	1	10,000		-	0
2	20,000		-20	0	2	10,000		-	0
					3	10,000		-	0
		BC=0@0			4	10,000		-	0
							BC=0@0		

Strain Load Test

Section (Increasing or Decreasing)	Section 1 (Inc)	Remarks (include environmental conditions, if applicable). Attach additional sheets as necessary. Annual test of the Rice Lake NH3 scale. Found the scale running minus on both sections. It was given a new span and retested. No other adjustments were needed.
Full Truck Weight	34,160	
Test Weight	20,000	
Empty Truck Weight	14,160	
Errors	0	
Physical Seal <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Electronic Audit Trail: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
Seal Date: 11/07/2019	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.		
	1514	
Permit Holder Signature	Permit Number	
	11/07/2019	
Operator Signature	Date	