

07/24/2013

ND Public Service Commission
Testing & Safety Division
600 East Boulevard Avenue
Bismarck, ND 58505

Request for Variance Permit:

CHS, Inc. d.b.a. CHS – Milton Group (CHS) is requesting a variance permit for the installation of four new truck scales that will be located at the following sites (two scales at each location):

CHS Calvin Grain Terminal
401 Railroad Street
Calvin, ND 58323

CHS Langdon East Terminal
10617 92nd Street NE
Langdon, ND 58249

All four scales are manufactured by Rice Lake Weighing Systems (RLWS) out of Rice Lake, WI. The scales being installed are above ground RLWS SURVIVOR® OTR Model EZ11712-SC-100-OTR truck scales with guide rails. The deck size is 117' x 12'. The concentrated load capacity (CLC) is 100,000lbs. All trucks weighed on the scales will fall within their CLC and not pose a safety hazard. The truck scale serial numbers are 56E2 & 56DN (Langdon Site) and 56E3 & 56DP (Calvin Site).

CHS is requesting a variance permit to allow the foundation of each scale to be a floating slab design, instead of piers below frost. CHS floating slab design specs exceed the manufacturer's minimum requirements for slab on grade design. (Please see foundation PDF reference-only drawing.) CHS will submit a copy of the soil tests for the area where the scales will be placed. The slab foundation shall have the following specifications:

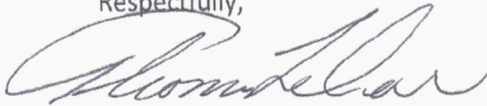
- The foundation shall be a 16" thick floating slab with the minimum soil bearing of 1500 psf.
- Installation shall incorporate a minimum 12" free draining granular material below slab to provide adequate drainage and circumvent the effects of frost heave. The granular fill material shall consist of sound, tough, durable broken stone. It should be free from soft, thin, disintegrated pieces, as well as mud, dirt, or other deleterious material. Something such as #57 crushed stone would meet this requirement.
- Two mats of rebar are required at load bearing sections. Rebar in the top face perpendicular to traffic shall be at least #5 at 4" on center (O.C.), with 5'-0", #4 bars in the direction of traffic at 12" O.C. Rebar in the bottom face and in the direction of traffic shall be spaced at 6" O.C. beneath the cells within the development length, and spaced at 12" O.C. across the mid-span of the slab. Between load bearing sections, a single mat of #4 rebar at 12" O.C. shall be incorporated in both directions.
- Scale(s) will have a minimum of 12 inches clearance, between "I" beam and the slab.
- The end piers of the foundation must have end walls to prevent fill material from interfering with the scale(s) operations.
- Past the 12' flat approach required by the state, an additional 25' sloped approaches the same width as the flat approaches will be added. The slope of these approaches shall not exceed 1"

per foot and shall end at the finished road elevation with a maximum length of 37'. The sloped approaches shall have thickened footing on the sides down to the surrounding road elevation.

Upon receiving approval for the temporary variance permit, CHS will be responsible for having the scale(s) tested quarterly by a registered service company for a period of one year. After one year, CHS desires the ND Public Service Commission review the scale(s) performance and grant a permanent variance permit.

Please let me know if you have any questions regarding this request, or if you require any further information. Thank you in advance for your consideration.

Respectfully,

A handwritten signature in black ink, appearing to read "Tom Lehar", written in a cursive style.

Tom Lehar
General Manager
CHS – Milton Group
515 W. Montrose Ave.
Milton, ND 58260
tom.lehar@chsinc.com
(701) 496-3141

Bauske, Shelly A.

From: Bauske, Shelly A.
Sent: Monday, July 29, 2013 12:59 PM
To: 'Fahn, Patrick J.'
Subject: FW: Floating Slab Variance Request
Attachments: Scan0003.pdf

From: CO-Milton, Tom Lehar [<mailto:Tom.Lehar@chsinc.com>]
Sent: Monday, July 29, 2013 9:57 AM
To: Bauske, Shelly A.
Cc: Jim Jacobs
Subject: Floating Slab Variance Request

Thomas Lehar
General Manager
CHS Country Operations
Milton, ND

701-496-3141 Office
701-370-0100 Mobile

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